



TO: Lakewood City Council  
FROM: John Caulfield, City Manager  
PREPARED BY: Tiffany Speir, Planning Division Manager  
THROUGH: Jeff Rimack, PPW Director  
DATE: September 9, 2024  
SUBJECT: 2024 Lakewood Comprehensive Plan Periodic Review (24CPPR)

**ATTACHMENTS:**

Draft Lakewood Comprehensive Plan, and Technical Appendix (**Attachment A**) Page 53;  
Draft Tillicum-Woodbrook Subarea Plan and draft amendments to the Downtown Subarea Plan and the Station District Subarea Plan (**Attachment B**) Page 584;  
Comprehensive Plan Audit Table (**Attachment C**) Page 724;  
Draft amendments to Development Regulations in Titles 14, 16, 17, 18A, 18B, and 18C of the Lakewood Municipal Code (LMC) (**Attachment D**) Page 1114;  
Development Regulations Partial Audit Table (**Attachment E**) Page 1144;  
Draft amendments to LMC Title 18B to update allowed locations and minimum acreage for master planned developments in the Downtown Subarea and updating references to the Lakewood Planning & Public Works Department (**Attachment F**) Page 1158.

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**BACKGROUND**

Lakewood's 2024 periodic review of its Comprehensive Plan and development regulations (24CPPR) must be completed by December 31, 2024; future periodic reviews will be conducted every 10 years starting in 2034. Lakewood must be up to date with the requirements of the Growth Management Act (GMA), including periodic review requirements, to be eligible for grants and loans from certain state infrastructure programs.

The City Council held study sessions on July 22, August 12, and August 26, and held public hearings on August 19 and September 3. Responses to public comments submitted at public hearings and to questions asked by the City Council are included in the following Discussion section.

**Exhibit A** (pp. 50-52) includes potential amendments to the 24CPPR package discussed by the City Council to date. **Attachments A-F** are described above.

The City Council is scheduled to take action on the 24CPPR package on September 16. The City will submit the adopted package to the PSRC and Department of Commerce within 10 days thereafter as required.

**DISCUSSION**

The Discussion section includes responses to public comments (pp. 2-41) and the draft updated Downtown Transportation Mitigation Fee Administrative Policy and updated Downtown transportation project cost estimates (pp. 42-52.)

Responses to Public Comments

The City has prepared responses to the public comments received at the August 19 and September 3 public hearings, which are summarized in the tables below.

Commenter	Comments Summary	City Response
Josh Friedman, LRI/LeMay, Inc., 9/3/24	Request to rezone parcel 0319061001 from AC1 to I1 submitted in public comment on 8/19/24. Supportive of draft recommendation from city staff to change allowed uses in the AC1 zone.	Recommendation to add “recycling facility” to conditional uses allowed in the AC1 zone and not rezone parcel 0319061001 provided to City Council on 9/9/24.
James Dunlop, 9/3/24	<p>My name is James Dunlop and I am a Lakewood resident. I wish to be a party of record.</p> <p>Improvement of the tree canopy is an important priority for the City of Lakewood. Policies which increase the canopy and which protect the existing canopy, should therefore be prioritized.</p> <p>One threat to the tree canopy is ivy. It is an invasive species, which can overwhelm trees and lead to catastrophic damage. It impacts all trees, including the Garry oak. Homeowners and renters are often unaware of the damage that ivy can cause. Yet removing ivy, particularly at an early stage of infestation, can be relatively easy and does not require outside contractors. Indeed volunteer groups can usually do it.</p> <p>While homeowners have control over their trees, and also have a feeling of ownership, renters are in a different position. The trees are generally not their responsibility and even if they wanted to remove ivy they may feel that they need the owner's permission. This can be difficult, especially given that much rental property in Lakewood is owned by management companies.</p> <p>I therefore propose that the City of Lakewood extends existing legislation regarding the condition of rental property to include the state of trees, with particular reference to ivy.</p> <p>Insisting that individuals and companies renting out property control ivy on trees on their property, or at least on important trees, like the Garry oak. In the same way that the City insists on certain safety and construction standards for rental property. This requirement would not be onerous on property owners who are renting their property out and it would also support the tree canopy.</p>	The comment is noted and forwarded to City decision-makers.
Tichomír Dunlop, 9/3/24	My name is Tichomír Dunlop, and I was a member of the ad hoc advisory committee on the tree code and I am currently the secretary of the Garry Oak Coalition.	The comment is noted and forwarded to City decision-makers.



	<p>For the GMA update, I'd like to point out some issues regarding ivy and rental properties. Most homes in Lakewood are rentals. English ivy is an invasive that's a hazard to the health and safety of our Garry oaks and other trees, and our non-profit has encountered some issues when approaching renters to talk to them about removing ivy from their trees. Often, they say that they'd be happy to have the ivy removed from their tree, but feel worried that they would need permission from their landlord. Upon request, the landlord, which is often a large management corporation, never responds, leaving us stuck.</p> <p>As a part of the GMA update, I feel like something should be changed to lessen these concerns of renters about managing invasives on their property. <b>Fundamentally, ivy is a weed like any other. Obviously, renters have the right to remove dandelions and other weeds from their lawn, so why should removing ivy from their trees be an issue?</b></p> <p>Removing ivy is a necessity to keep in pace with tree canopy goals; on p. 204 of 1,031 pages of today's agenda, NE-6.7 "Work towards a citywide goal of 40% tree canopy cover by the year 2050." If ivy is not removed, trees will inevitably die and/or become hazardous and need to be removed. Going around the city, I see many forested lots that are utterly infested with ivy. The city should be more to incentivize and require land owners to manage their own ivy.</p> <p><b>Ivy spreads, not just through vines, but through its berries, which are eaten by birds and spread to other properties. By allowing ivy on your own property, you are being a nuisance to the rest of the community.</b></p>	
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**Proposed Critical Area Regulations and 2024 Lakewood City-wide Tree Inventory**

The City of Lakewood faces challenges in managing trees and vegetation. Streets and sidewalks must safely accommodate vehicular traffic, cyclists, and pedestrian access, while also providing conveyance for underground and overhead utilities, stormwater facilities, and other critical infrastructure. Right-of-way landscaping integrates these diverse infrastructure needs while contributing to the community's aesthetic appeal and providing numerous benefits. Likewise, maintaining healthy trees and vegetation during development within a highly urbanized environment is challenging. To address the challenges of supporting tree canopy during development and to minimize infrastructure conflicts, careful planning, site design and preparation, as well as species selection, must be considered to support long-term tree health.

Generally, most streetscapes and urbanized environments have previously experienced soil loss and compaction due to existing infrastructure. Compaction from additional construction activities can cause immediate root loss in existing trees, while foot traffic over time can apply pressure similar to that of vehicles (Corish 1995), significantly reducing soil quality and impacting tree health.

Climate change is expected to lead to hotter, drier summers and warmer, and

wetter winters in the Pacific Northwest. As a result, plant species that have evolved under historical climate conditions may struggle to adapt to these new conditions. This shift could cause significant changes in species distribution globally, with trees particularly affected as they approach their biological limits. Many plant species may face a decline in their distribution (Esperon-Rodriguez et al. 2022). The hot, dry summers exacerbate tree stress, making them more vulnerable to insects and pathogens. A warming climate is likely to increase tree mortality, even in well-established trees, especially when compounded by additional stressors such as limited soil volume, exposure to pollution, traffic-related wind tunnels, and radiated heat.

As part of the 2024 Periodic Review, the City’s objective is to align with state environmental protection laws requiring no net loss of critical area functions and values while also meeting the statutory requirements to plan for increased housing and job densification within Lakewood. The requirements for dense urban development outlined in the GMA pose challenging implications for preserving species and habitats of local importance within small urban lots. The City has also sought to establish a clear and consistent approach for reviewing critical area requirements under LMC Title 14.

Oregon white oak (aka “Garry Oak”) woodlands are afforded protections under the draft Critical Areas Ordinance (CAO) as fish & wildlife habitat conservation areas (FWHCAs) per LMC 14.154.080. In addition to critical area protections, Oregon white oak (OWO) management and protection is also addressed in the city’s development code under Lakewood Municipal Code (LMC) Title 18A.70 *Community Design, Landscaping, and Tree Preservation* (see in particular LMC 18A.70.330 *Oregon white oak preservation*.)

To inform future regulatory updates to the city’s development code, in 2024 the City has invested in a city-wide tree inventory of public and private trees. This includes an assessment of trees within public rights-of-way and public parks through physical inspection and LiDAR analysis as well as an assessment of trees on private land using GIS tools and LiDAR. This data will be used to characterize the city’s urban forest makeup and resources, and will be referenced to inform future regulatory approaches to Oregon white oak regulations. The tree inventory is ongoing with analysis of data expected to wrap up by the end of November 2024.

The following table included responses to comments submitted by the Garry Oak Coalition and by Christina Manetti as an individual between April 18, 2024 and the September 3, 2024 City Council public hearing.

Name/Organization	No.	Comment Summary	Responses
<b>Christina Manetti Garry Oak Coalition, 4/18/2024</b>	1-1	Please accept this public comment related to the Critical Areas update that is currently underway.	

Name/Organization	No.	Comment Summary	Responses
	1-2	<p><b>1) NEW WDFW GARRY OAK RECOMMENDATIONS:</b>  Please relay to those working on the Critical Areas update that the City needs to update its Critical Areas regulations this year to reflect the new Garry oak (Oregon white oak) recommendations that were published by WDFW in February 2024, applicable also to the Garry oaks in Lakewood: "Best management practices for mitigating impacts to Oregon white oak priority habitat". (See attached file.)</p>	<ul style="list-style-type: none"> <li>The provisions for protection under Title 14 (Environmental Protection) have been reviewed with WDFW to ensure compliance. Note that additional revisions to Title 14 are being coordinated to address additional considerations.</li> </ul>
	1-3	<p>The City is bound by GMA to make these changes to its Critical Areas ordinance, as this WDFW publication reflects best available science on the subject of Garry oak (Oregon white oak) management, including in urban and urbanizing contexts: "Cities and counties must conduct a best available science review when updating critical area regulations."  <a href="https://app.leg.wa.gov/WAC/">https://app.leg.wa.gov/WAC/</a>  The City will find this document very instructive. Here are just a few highlights:</p>	<ul style="list-style-type: none"> <li>See comment 1-2</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	1-4	<p>In it, the recommendations specify for example, that impacts to Garry oaks should be avoided (i.e., they should not be destroyed), and outlines mitigations of up to 250 Garry oak seedlings for the destruction of just one Garry oak: <i>Compensating for the loss of individual locally important trees [...]</i></p> <ul style="list-style-type: none"> <li>• For trees &gt; 30 inches diameter at breast height (dbh), use a tree replacement ratio of 250:1</li> <li>• For trees between 24 - 30 inches dbh, use a tree replacement ratio of 200:1</li> <li>• For trees between 18 - 24 inches dbh, use a tree replacement ratio of 150:1</li> <li>• For trees between 12 - 18 inches dbh, use a tree replacement ratio of 100:1</li> <li>• For trees between 12 - 6 inches dbh, use a tree replacement ratio of 50:1</li> </ul> <p>(p. 18)</p> <p>For the destruction of 1 acre of Garry oak woodland, the mitigation would be 1000 oaks planted over two acres: "To restore an acre of woodland, use a 2:1 replacement ratio. Plant 1000 trees across 2 acres." (p. 18)</p> <p>Among other things, the recommendations also stipulate that the understory should also be recreated when replanting (pp. 18-19): When restoring an OWO woodland or compensating for the loss of a single OWO tree, we recommend filling the space between planted OWO with a diverse native understory community, leaving at least 5 feet of space around the OWO. Plant at least eight different native understory species.</p>	<ul style="list-style-type: none"> <li>• Both the 1998 and 2024 WDFW BAS recognize that individual oak trees provide several critical ecological functions with mature oaks providing the most value. The WDFW BAS also recognizes that impacts on some Oregon white oak habitats are unavoidable given reasonable use of property, prior zoning designations, and existing rights of way or public infrastructure (WDFW 2024).</li> <li>• Mitigating the loss of locally important trees based on the dbh of the tree is a common strategy used within urban tree regulations to mitigate the loss of ecosystem service benefits and habitat value afforded by mature canopy trees. However, the replacement ratios cited in the BAS as outlined here would not be feasible for small urban lots or in urbanizing areas of the city.</li> </ul>

	1-5	<p><b>2) REGULATIONS TO ENSURE WELL-BEING OF GARRY OAKS</b> (and other trees): If the City is interested in preserving Lakewood's Garry oaks, the Critical Areas ordinance or tree code should also include new regulations to ensure that Garry oaks are able to thrive in Lakewood. Two important ways that the City can do this is to:</p> <p><b>2) PROHIBIT DAMAGE BY IVY AND OTHER INVASIVES:</b>  During work on the Critical Areas ordinance, the City should add a regulation specifically prohibiting property owners from allowing ivy and other invasive vines to grow onto and cover Garry oaks and other trees. The ivy -- as we saw recently on Brook Lane -- eventually becomes so heavy that the tree falls under its weight, while also being smothered under the ivy's heavy foliage. That Garry oak on Brook Lane measured 12" across and was surely over one hundred years old.</p> <p>The City would benefit from a more far-ranging regulation that would require property owners to eradicate the all the major invasives found in Lakewood (English holly, English ivy, Himalayan blackberry, English (cherry) laurel, Scotch broom), some of which have already destroyed parts of our forested areas (such the many Garry oaks and other trees that have succumbed to ivy along 112th across from Christ Lutheran, to Interlaaken).</p> <p>Other jurisdictions, such as Oak Harbor and Portland (see attached files), have such regulations. As we read in a document produced by the City of Portland, there are many important ecological reasons to eradicate invasive species within our cities and towns : Invasive plants are the second largest threat to native biodiversity, behind habitat loss, and they are one of the primary factors that lead to a species listing under the Endangered Species Act (City of Portland Invasive Plants Strategy Report 2008). Invasive plants degrade water quality, reduce biodiversity, impair habitat, decrease tree populations and growth rates, increase the likelihood and spread of fire, decrease the ability of</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
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Name/Organization	No.	Comment Summary	Responses
		<p>stormwater infiltration and increase soil erosion. Removing invasive species and planting native vegetation is critical for improvement and maintenance of watershed health. Fish, wildlife, and the citizens of Portland benefit from the management of invasive species. (<a href="https://www.portland.gov/">https://www.portland.gov/</a>, p. 5)</p>	
<p><b>Christina Manetti, Garry Oak Coalition, 6/26/2024</b></p>	<p>2-1</p>	<p>Please include the following comments from the Garry Oak Coalition, an environmental non-profit based in Lakewood, in the record for Lakewood's 2024 GMA updates, as well as the attached previous comments. Those contain many of the Coalition's main comments regarding Garry oaks, which were submitted previously to Ms. Tiffany Spier.</p>	

Name/Organization	No.	Comment Summary	Responses
	2-2	Garry oaks should be made critical areas and protected – mature are considered to be 15" DBH, hundreds of years old, but we need to ensure that there will be more oaks in the future. Young ones less than 6" DBH to even just 1" DBH should also be protected.	<ul style="list-style-type: none"> <li>WDFW's January 2, 2024 Priority Habitats and Species Management Recommendations address oak woodlands; individual Oregon white oak trees can be considered a priority habitat if they provide considerable value to wildlife. PHS recommendations include avoidance, minimization and compensation. The proposed definition of Priority Oregon white oak woodland includes both a description of a more complex habitat and a single tree if it has particular value for the habitat. PHS recommendations include assessment tools for both woodlands and individual trees.</li> <li>Oregon white oak trees, woodlands, and savannahs (latter added in proposed code) are provided with protection as per LMC 14.154.080. They are also addressed in 18A.70.330.</li> </ul> <p>The City has recently started an Urban Forestry Program and a tree survey is underway (See: <a href="https://cityoflakewood.us/trees/">https://cityoflakewood.us/trees/</a>.) The City does not recommend consideration of potential amendments to tree regulations in LMC Chapter 14 .154.080 until after the tree inventory is complete.</p>



Name/Organization	No.	Comment Summary	Responses
	2-3	Inventory: There needs to be an inventory of Garry oaks and other trees on private as well as public property – otherwise the City does not know what its critical areas are and therefore is not protecting them, as required to do by GMA.	<ul style="list-style-type: none"> <li>To inform future regulatory updates to the development code, the City is investing in a city-wide tree inventory of public and private trees. This includes an assessment of trees within public rights-of-way and public parks as well as an assessment of trees on private land using GIS tools and LiDAR analysis. This data will be used to characterize the city's urban forest makeup and resources and can inform future regulatory approaches to Oregon white oak regulations. This inventory is ongoing with analysis of data expected to wrap up by the end of November 2024.</li> </ul>
	2-4	Utilities cannot be given a free hand to cut down and mutilate Garry oaks and other trees, such as in this photo from June 2022: [See original submittal letter for photo].	<ul style="list-style-type: none"> <li>The comment is noted and forwarded to City decision-makers.</li> <li>Utility standards for trimming, and requirements for notification prior to trimming or removal of Oregon white oak are required in 18A.70.330, and critical area requirements apply per LMC 14.154.</li> </ul>
	2-5	The City is not subject to tree preservation regulations. It must not be given a free hand in this manner – it has resulted in the destruction and mutilation of many Garry oaks and other trees. The City's destruction of large Garry oaks in its own public right of way, where the City is subject to no oversight or regulation, has resulted in a net loss of critical areas in the shape of priority Garry oak habitat.	<ul style="list-style-type: none"> <li>The City is subject to regulations at LMC 14.154.080 and 18A.70.320, including proper management of critical areas and tree preservation.</li> </ul>
	2-6	Penalties for ivy infestations: There must be penalties for people who allow ivy to grow on and cover trees.	<ul style="list-style-type: none"> <li>The comment is noted and forwarded to City decision-makers.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	2-7	Paving or landscaping solely with rocks within the Critical Root Zones of Garry oaks and other trees must not be permitted, and paving must be removed where it is found, allowing for the improvement of conditions for the protected Garry oaks in our drier, hotter conditions.	<ul style="list-style-type: none"> <li>• No hard surfaces are allowed within the dripline to the maximum extent possible per 18A.70.330.E.</li> <li>• Where it is not avoidable a tree protection plan by a certified arborist is required.</li> </ul>
	2-8	Monitoring of Garry oaks and other trees during construction should be required, as well as strict penalties for people who disregard regulations.	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• See 18A.70.340 which applies civil penalties to the City Tree Fund.</li> </ul>
	2-9	Single Garry oaks: The City does not take into account the fact that both the 1998 and 2024 WDFW oak recommendations say that SINGLE OAKS can qualify for protection. It is important to note that clearly not every single oak is “documented” by PHS or DNS, etc., which would mean that they are excluded from protection. There need to be broader protections for single Garry oaks, regardless of whether they have been “documented” specifically by PHS and DNR – who themselves say that their PHS and DNR maps are not complete. – p. 492, p. 8 of 11, Ch. 14.154 Fish and Wildlife Habitat Conservation Areas	<ul style="list-style-type: none"> <li>• See Response to Comment 2-2.</li> </ul>
	2-10	“During building or construction operations, suitable protective measures in LMC 18A.70.320(A) shall be erected...” There must be more oversight:	<ul style="list-style-type: none"> <li>• See Response to Comment 2-7.</li> </ul>
	2-11	“Removal of diseased trees and trees that present an imminent threat to properties...”  This section goes against the WDFW recommendations, which recommend that dead trees remain standing to decay in place, adding valuable habitat. p. 12 of 1998 recommendations: “Retain large, dominant oaks and standing dead and dying trees.” In 2024 recommendations, too, one reads about the value of dead and dying trees for habitat. If endangering a structure, they can simply be made safer through pruning and cabling, for example, in consultation with an arborist specializing in Garry oaks.	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• The paragraph referenced here goes on the cite 18A.70.330 which also indicates that removal of a damaged or diseased tree is allowed unless it constitutes an important wildlife habitat – see 18A.70.320.A.3.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	2-12	<p>“Tree replacement is required at a two-to-one ratio per LMC 18A.70.330.” Also mentioned in single-family property section. p. 15 of 11</p> <p>This is not in keeping with the 2024 recommendations, p. 18, which recommend a replacement ratio of from 50 to 250 to one, depending on diameter at breast height. (50 to 1 for trees from 6-12” DBH, 250 to 1 for trees 30” DBH or larger).</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• The City does not recommend consideration of potential amendments to tree regulations in LMC Chapter 14 .154.080 until after the 2024 city-wide tree inventory is complete.</li> <li>• Section 14.154.080.C.4 references use of PHS management recommendations or (proposed language) review by WDFW for non-single family developments.</li> <li>• Criteria for avoidance and incentives for preservation are in critical area and tree protection regulations for single-family and other developments.</li> </ul>
	2-13	<p>“Utility pruning” – p. 15 of 11</p> <p>Utility pruning must be done under the supervision of an independent arborist specializing in Garry oak trees to insure that they are not harmed.</p> <p>A certified arborist advising the Garry Oak Coalition has recommended that the code state the following: “must be supervised by a ISA Certified Utility Specialist”.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision makers. The comment addresses the code and not the Draft SEIS.</li> <li>• Tree pruning for utilities is required to be conducted by ISA Best Management Practices in 18A.70.310.C. Utility companies typically use ISA certified crews who are utility specialists.</li> </ul>
	2-14	<p>“Additional impervious area for the driveway will be permitted” – p. 15 of 11</p> <p>The Critical Root Zones of Garry oaks must not be paved over (or driven over).</p>	<ul style="list-style-type: none"> <li>• See Response to Comment 2-7.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	2-15	<p>"1,500 square feet for a single-family residence, 1,000 square feet for an accessory dwelling unit, and 1,000 square feet for a detached garage." – p. 15 of 11</p> <p>On properties with Garry oaks, the houses should be built up, keeping the footprint as minimal as possible. Instead of allowing 2,000 extra square feet for an ADU and detached garage, in new constructions, the garage should be made under the house and the ADU should be a second or third floor, to avoid impacts to Garry oaks.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• The dimensions are maximum footprints and the review criteria include "the proposal results in the least possible impact to the critical area to achieve a feasible development."</li> </ul>
	2-16	<p>"Impervious Surface Bonus" under "incentives" LMC 18A.70.320(J) – This "incentive" is harmful to the Garry oaks that the code is trying to protect, as well as to the environment in general. In addition to increasing stormwater run-off and decreases infiltration, an increase in allowed impervious surfaces damages the root zones of the Garry oaks, which can stretch for hundreds of feet in radius from the trunk. No impervious surfaces should be allowed on single-family properties, and especially not those with Garry oaks that we are trying to protect. This "incentive" should be struck.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• Impervious area is not allowed under the drip line. See Response to Comment 2-7.</li> </ul>
	2-17	<p>"The report and mitigation prepared by a qualified biologist or certified arborist..." p. 16 of 11 of Ch. 14.165 Definitions – Here and elsewhere, the qualified biologist or certified arborist must not be one hired by the developer, which we have seen can lead to the consultant simply approving whatever is most expedient to the developer.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• The proposed definitions provide qualifications for professions that are omitted in the current code.</li> <li>• The City applies its code and has added an urban forest program with an arborist, and the City can require third-party review where necessary.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	2-18	<p>“Priority Oregon white oak woodland” – p. 11 of 15 of Ch. 14.165 Definitions – p. 542 of file</p> <p>This needs to specify that all Garry oaks are to be considered a priority – the larger ones for current habitat value, and the younger ones so that there is a succession that will preserve the habitat for future without leading to a temporal gap when the large ones die.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• This is providing a definition and not stating policy.</li> </ul>
	2-19	<p>“Prairies” – p. 11 of 15 of Ch. 14.165 Definitions – p. 542 of file</p> <p>Because prairies are associated with Garry oaks, provisions should also be made to protect and restore remnant prairies, as defined by physical features and presence of any indicator species.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision makers.</li> <li>• Prairies are referenced as a habitat in 14.154.020.B.</li> </ul>
	2-20	<p>“Qualified professional” p. 11 of 15 of Ch. 14.165 Definitions – p. 539 of 999 file</p> <p>This definition needs to specify that qualified professionals assessing critical areas and specifically Garry oaks must not be hired by the developers, or utilities companies, or whoever is proposing to cut down Garry oaks, because this is a clear conflict of interest. A system must be developed in which outside Garry oak experts are the ones to determine how best to protect this protected species.</p>	<ul style="list-style-type: none"> <li>• See Response to Comment 2-17.</li> </ul>
	2-21	<p>“Reasonable use” – p. 11 of 15 of Ch. 14.165 Definitions, p. 539 of 999 file</p> <p>In considering “reasonable use”, environmental protection and avoidance of adverse environmental impacts must be given precedence. Although it may seem on a case by case basis that the impact on a single property is not significant, the cumulative impact of all these actions negatively affecting for example the Garry oaks and other critical areas are indeed significant, and must be borne in mind.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• Without reasonable use, the City would risk being challenged on a potential taking due to regulations removing all productive use of property.</li> <li>• To minimize impacts the criteria for reasonable use regarding Oregon white oak woodland include that “the proposal results in the least possible impact to the critical area to achieve a feasible development, and includes mitigation to offset any impacts to critical areas.”</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	2-22	<p>“Prior tree removal has met Chapter 18A.70 LMC, Article III in effect at the time.” Ch. 14.154, p. 16 of 11</p> <p>No retroactive permits shall be issued for illegal cutting of Garry oaks and other trees.</p>	<ul style="list-style-type: none"> <li>• The point of the quoted text at 14.154.080.C.3 is to ensure that reasonable use is applied to qualified properties and not to reward prior non-compliant activity.</li> </ul>
	2-23	<p>“No person shall willfully remove, top, damage, destroy, break, injure, mutilate or kill any priority Oregon white oak trees, savannas, and woodlands except as allowed by this chapter.” Ch. 14.154, p. 15 of 11</p> <p>Specific mention must be made of the fact that it will be illegal to allow a Garry oak or other tree to have ivy or other invasive vines growing on it. It is not enough to prohibit them from being engulfed in vines – this is already too late. The presence of invasive vines must be banned. This is a major cause of tree death in Lakewood, and is especially grievous when involving the very slow-growing Garry oaks. As part of Lakewood’s effort to preserve and increase tree canopy, a regulation must be in place prohibiting the presence of ivy and other invasive vines on trees.</p> <p>In this context, invasive holly also needs to be mentioned, because it is a serious problem, crowding out native species in Lakewood’s wooded areas.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>

**Table continued on following pages**

	2-24	<p>“Priority Oregon white oak woodland” Ch. 14.165 Definitions, Page 11 of 15</p> <p>Why has this section been struck? “forested areas of pure oak, or of oak/conifer associations one acre or larger, and all oak trees located within, where oak canopy coverage of the area is at least 25 percent. Stands of oaks less than one acre in size may also be considered priority habitat when found to be particularly valuable to fish and wildlife (i.e., they contain many cavities, have a large diameter at breast height (dbh), are used by priority species, or have a large canopy).</p> <p>It contains important information about how stands less than 1 acre or single trees can be identified as priority habitat. “Large diameter” should be defined, or perhaps removed. As I have mentioned elsewhere, all Garry oaks must be protected in order to guarantee a succession without a temporal gap when the current mature oaks die.</p> <p>Garry oaks are very slow-growing and even small diameter trees can be a century old. According to WDFW’s 2024 recommendations, for each inch of diameter growth, it takes 15-20 years. Thus, a 6” diameter at breast height Garry oak is already from 90 – 120 years old. A Douglas fir at this age would be already so wide that a person could not embrace it.</p> <p>In addition, many or even most Garry oaks in Lakewood have a large canopy, which is a straightforward way of identifying oaks valuable to wildlife, as are cavities. As habitat biologist Darrin Masters told me when discussing the Hipkins oaks, at least one of which was cut down by the city for a roundabout, those two oaks were clearly valuable to wildlife and should be preserved. I relayed to the City that he invited them to call with questions.</p> <p>If the aim in the amendments to the Critical Areas Ordinance is to strengthen protections for Garry oaks, it seems that striking this section – which originates in the 1998 WDFW recommendations for Garry oaks – is not helpful.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision makers.</li> </ul>
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Name/Organization	No.	Comment Summary	Responses
	2-25	<p>Riparian Management Zone buffers. – p. 496, p. 12 of 11 of Ch. 14.154 Fish and Wildlife Habitat Conservation Areas  </p> <p>It seems misguided to allow the lowering of riparian buffers, which constitutes a move in the wrong direction. We want more protection for our salmon-bearing and other creeks, not less.</p>	<ul style="list-style-type: none"> <li>• See the stream buffer assessment technical memo, Facet NW, August 2, 2024.</li> </ul>
	2-26	<p>Affordable housing: - should not have special consideration for “religious organizations” – this is inconsistent with principle of separation of church and state</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• This provision is specifically required for Lakewood as per RCW <a href="#">35A.63.300</a>.</li> </ul>
	2-27	<p>- Lakewood cannot provide density if there won't be enough water, or infrastructure (roads, sewers), all of which must be carefully studied. The City's residents must be confident that Lakewood can support this proposed growth, and all of these issued must be carefully studied and the results shared with the public. The City must always err on the side of caution whenever our water is concerned.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• The Comprehensive Plan provides details on the necessary infrastructure to support intended growth over the next 20 years, as well as intended growth targets for housing and employment uses.</li> </ul>
	2-28	<p><u>Tillicum:</u> Tillicum is home to magnificent Garry oaks, many of them single-stemmed (trunked) specimens that will be better able to resist drought and climate change. A priority in Tillicum must be to protect the Garry oaks of this neighborhood, including development such as that planned at the new library site, which are key to providing the protective shade needed for this lower-income neighborhood that is so fortunate to already have a gigantic mature Garry oak canopy to protect it from the heat.</p> <p>Tillicum must not become a heat island. The Garry oaks of Tillicum should feature prominently in that neighborhood's area plan.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• The policies and codes addressing the protection of trees are also applied to the Tillicum-Woodbrook subarea.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	2-29	<p><u>Affordable housing:</u>            “Affordable housing” cannot take precedence over environmental considerations – a safe and healthy environment and ecosystem is required for people of all income levels.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers. The comment addresses the plan and not the Draft SEIS.</li> <li>• The Comprehensive Plan is intended as a document with multiple goals, including ensuring both environmental quality and affordable housing for all residents. Prioritizing environmental concerns exclusively over housing goals would not be in compliance with the GMA.</li> </ul>
	2-30	<p><u>18A.90 Housing Incentives Program</u>            “Updating inclusionary density bonuses up to increase of to 25% above base zone density in all zones for inclusion of low- or extremely low-income housing in project and making this density bonus exclusive of any other bonus density options in chapter”</p> <p>Moreover, preferential treatment should not be given to religious organizations in affordable housing deals, as this would violate the separation of church and state:</p> <p>“New density bonus discussion for affordable housing created in partnership with religious organizations”</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• Please note above regarding the provisions of RCW <a href="#">35A.63.300</a>.</li> </ul>
	2-31	<p>Aspen stands added – Where do we have aspen stands in Lakewood? p. 492, p. 8 of 11, Ch.14.154 Fish and Wildlife Habitat Conservation Areas  </p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• Aspen stands are added in LMC 14.154 as a priority habitat and species per state guidance.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
<b>Christina Manetti, Resident, 7/3/2024</b>	3-1	<p>Please accept my following public comment about Lakewood’s Draft Supplemental Environmental Impact Statement. Please make me a party of record in this process.</p> <p>In reviewing the DSEIS, please also take into consideration the public comments I submitted for the GMA update previously, as well as those submitted by the Garry Oak Coalition. I am resubmitting them together with this comment. Any others, such as those submitted to the Planning Commission recently, should also be included.</p>	
	3-2	<p>Draft SEIS Page 283 of file, Critical Areas Ordinance Gap Analysis: The City’s habitat conservation areas regulations require some modifications to align with BAS and to clarify applicability and facilitate ease of use.... Best Available Science recommends that single Garry oaks qualify for protection when in urban and urbanizing contexts such as those in Lakewood. ...despite what Best Available Science says (WDFW recommendations published in 1998 and 2024 and WDFW habitat biologist Darrin Masters), there are no recommended changes to the sections related to Oregon white oaks (Garry oaks) in this EIS (p. 284 of file):</p>	<ul style="list-style-type: none"> <li>• To inform future regulatory updates to the development code, the City is investing in a city-wide tree inventory of public and private trees. This includes an assessment of trees within public rights-of-way and public parks as well as an assessment of trees on private land using GIS tools and LiDAR analysis. This data will be used to characterize the city’s urban forest makeup and resources and can inform future regulatory approaches to Oregon white oak regulations. This inventory is ongoing with analysis of data expected to wrap up by the end of November 2024.</li> <li>• The code changes also reference the WDFW review as well as the use of the PHS recommendations for non-single-family developments and reasonable use.</li> </ul>
	3-3	<p>The City, because it does not have any inventory of Oregon white oaks on all public and private property, does not know what critical areas lie within its boundaries. Therefore, losses of critical areas will also be unknown.</p>	<ul style="list-style-type: none"> <li>• The City has recently started an Urban Forestry Program and a tree survey is underway.<sup>1</sup></li> </ul>

<sup>1</sup> See: <https://cityoflakewood.us/trees/>.

Name/Organization	No.	Comment Summary	Responses
	3-4	<p>Because mitigation is impossible in practice for Oregon white oaks, and because no attempt is even made to try actually to mitigate the loss of critical areas such as those in Springbrook, there is a resultant net loss of critical areas in Lakewood. By allowing Oregon white oaks to continue to be cut down on public and private property, the City is allowing a net loss of critical areas within its boundaries, which is prohibited by the Growth Management Act.</p> <p>There should also be added a “no-net-loss” to the Oregon white oak section.</p>	<ul style="list-style-type: none"> <li>• The critical area regulations require mitigation sequencing which includes avoidance, minimization, and compensation. See Response to Comment 2-11.</li> <li>• Amendments to LMC 14.142.100.B.1.e would require no net loss of ecological function for any critical area.</li> </ul>
	3-5	<p>It was surprising to see that the applicant is tasked with identifying critical habitat areas (see p. 285 of file). It seems that “expanding on the sources and methods of identifying critical fish and wildlife habitat areas” still remains too dependent on the property owner and any consultants he or she may hire.</p>	<ul style="list-style-type: none"> <li>• See Response to Comment 2-16.</li> </ul>
	3-6	<p>The oak and priority habitats and species maps (Exhibits 3-3, 3-4, and 3-5) are not very useful because they are not exhaustive – in both the 1998 and 2024 WDFW Oregon white oak (Garry oak) guidelines, single oaks in “urban and urbanizing” contexts may be protected, and these will not necessarily appear on these maps. There are many oaks that are not part of a larger group that would not be taken into account. Similarly, as WDFW says itself, its PHS online map is also not exhaustive and should not be treated as such, and DNR also has a caveat that its oak map is also not exhaustive.</p>	<ul style="list-style-type: none"> <li>• Maps are a reference but definitions and field conditions prevail in the application of the City’s critical areas ordinance. Note that a tree survey is underway per Comment 3-3.</li> </ul>
	3-7	<p>Oregon white oaks are also adversely affected by subdivisions (because if the property on which a stand of oaks stands is subdivided into lots of less than one acre, then the stand is considered to be less than one acre and therefore not protected in Lakewood – although WDFW’s recommendations clearly state that single trees may also qualify for protection.</p>	<ul style="list-style-type: none"> <li>• See Response to Comment 3-2.</li> <li>• Subdivisions are subject to critical area regulations as well as tree protection at 18A.70.310.A.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	3-8	In terms of identifying Oregon white oaks as critical areas, the City has also caused there to be a loss in critical areas because of its requirement that an appellant personally observe threatened or endangered species in the Oregon white oaks, using them. This despite the clear statement of WDFW habitat biologist Darrin Masters, which was included as an exhibit in multiple appeals before the hearing examiner, that it is not necessary for someone to personally observe species using the Oregon white oaks in order for us to know that they are valuable to wildlife.	<ul style="list-style-type: none"> <li>• Comment noted.</li> </ul>
<b>Christina Manetti, Garry Oak Coalition 8/19/2024 (Full comment letter attached hereto.)</b>	4-1	I am writing on behalf of the Garry Oak Coalition, an environmental non-profit in Lakewood. <b>Please make our non-profit a party of record.</b> Please find below our comments related to the latest draft of the 2024 Comp Plan updates. We will be referring to the page numbers in this document: <a href="https://cityoflakewood.us/wp-content/uploads/2024/08/2024-08-19-Council-Agenda.pdf">https://cityoflakewood.us/wp-content/uploads/2024/08/2024-08-19-Council-Agenda.pdf</a>	
	4-2	p. 490 – “no net loss” of ecological function This determination must be made by a consultant not hired by the property owner	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-3	p. 520 of file: Aspens As one sees in iNaturalist, there appear to be no aspens in Lakewood, so their inclusion in this list is surprising.	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• Aspen stands are added in LMC 14.154 as a priority habitat and species per state guidance.</li> </ul>
	4-4	p. 520 of file: resources incomplete The resources listed cannot be the only ones recognized, because as the authors of the DNR or WDFW maps concede, their maps are not complete. 2. Mapping. The resources listed below provide information on fish and wildlife habitat conservation areas...	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-5	Error on p. 522, should not be changed from original “in”: The City shall give substantial weight to the management recommendations contained in the Washington Department of Fish and Wildlife Priority Habitats and Species Program. [Ord. 775 § 1 (Exh. A), 2022; Ord. 630 § 2, 2015; Ord. 362 § 3, 2004.]	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	4-6	<p>p. 527 of file: specific mention of ivy and other invasive species needed This needs to be reinforced in the code with a section explicitly making it illegal to allow ivy or other invasive species to climb onto oaks or other trees. Ivy will kill a tree by making it fall under its weight, or by covering its leaves so as to make photosynthesis impossible, as well as by stealing precious water resources from it.</p>	<ul style="list-style-type: none"> <li>The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-7	<p>p. 527 of file: 14.154.080 This must be enforced. While it is currently in the code, it has not been enforced on multiple occasions</p>	<ul style="list-style-type: none"> <li>The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-8	<p>p. 527 of file: As per WDFW recommendations (1998 and 2024), Garry oaks should be allowed to remain standing, as they are extremely valuable to wildlife. "Diseased" can be interpreted here as being affected by fungus, though this is a positive attribute in terms of habitat value, according to WDFW's 2024 recommendations. (See p. 33 of WDFW's Management recommendations for Washington's priority habitats: Best management practices for mitigating impacts to Oregon white oak priority habitat, 2024.) As a result, this section of the code fails to follow Best Available Science:</p>	<ul style="list-style-type: none"> <li>The paragraph referenced goes on the cite 18A.70.330 which also indicates that removal of a damaged or diseased tree is allowed unless it constitutes an important wildlife habitat – see 18A.70.320.A.3.</li> </ul>
	4-9	<p>p. 528 of file: "Two-to-one replacement ratio" This section of the code requiring a "two-to-one replacement ratio" for Garry oaks "fails to meet the standards of Best Available Science."  According to WDFW's 2024 management recommendations, and therefore Best Available Science, the replacement ratio for the removal of one Garry oak, depending on diameter at breast height, ranges from 50:1 to 250:1. See p. 18 of WDFW's Management recommendations for Washington's priority habitats: Best management practices for mitigating impacts to Oregon white oak priority habitat, 2024.)</p>	<ul style="list-style-type: none"> <li>See comment 1-4</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	4-10	<p>p. 527 of file:            If during new construction there are Garry oaks on a property and the construction of a garage would adversely impact the Garry oaks, it should be required that the garage be designed underground. If the construction of a new garage for an existing house would adversely impact Garry oaks, it should not be allowed. Oak hundreds of years old that grow extremely slowly and the habitat they provide must be given precedence over sheltering a motor vehicle in a permanent structure. If there are Garry oaks on a property, an accessory dwelling unit should not be allowed. While a primary residence is "reasonable use", an accessory dwelling unit is just that – accessory. "Accessory", according to Merriam Webster, means "a thing which can be added to something else in order to make it more useful, versatile, or attractive."</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-11	<p>p. 528 – "certified arborist"            Here and elsewhere where it says that reports should be prepared by qualified biologists or "certified arborists", this should be changed to only qualified Garry oak habitat biologists, since what we are dealing with when even looking at a single Garry oak is not just a tree, but a complex being that represents a particular kind of habitat. Not all habitat biologists know about Garry oaks, and arborists do not know about habitat. Therefore, a simple certified arborist, as we have seen in past appeals, is not sufficient to adequately assess a Garry oak or oaks, nor is just any "habitat biologist".</p>	<ul style="list-style-type: none"> <li>• See comment 2-17</li> </ul>
	4-12	<p>p. 528 of file:            It is not sufficient to say that the City "may consult with WDFW...as needed". As we have seen in the past, either the City does not consult with WDFW, or, if WDFW is consulted, its recommendations are not heeded. Here, the wording should be changed to say that the City "will consult WDFW and follow its recommendations as being representative of Best Available Science":</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>



Name/Organization	No.	Comment Summary	Responses
	4-13	<p>pp. 571-2 of file: "Oregon white oak savanna"</p> <p>This definition seems problematic, since it would mean that mixed forests where oaks are less than 25% of the canopy coverage would be savannas, even if there is a large number of trees, such as along Dekoven, even though that is not what a savanna is. (Savannas are not forests.)</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> <li>• Definition is in line with WDFW definition of Oregon white oak savanna.</li> </ul>
	4-14	<p>p. 572 of file: correction to punctuation</p> <p>There seems to be a superfluous closing quotation mark (highlighted below in yellow):</p> <p>"Priority Oregon white oak woodland" means stands of oak or oak/conifer associations where canopy coverage of the oak component of the stand is 25%; or where total canopy coverage of the stand is greater than or equal to 25%, but oak accounts for at least 50% of the canopy coverage. The latter is often referred to as oak savanna. In urban or urbanizing areas, single oaks or stands less than 0.4 ha (1 ac) may also be considered a priority when found to be particularly valuable to fish and wildlife."</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-15	<p>p. 572 of the file: "qualified professional"</p> <p>This wording does not resolve the obvious problem of conflict of interest when "qualified professionals" are hired by the property owner – or indeed by the City itself – to determine environmental issues. A method must be devised whereby the consultants providing "expert opinion" are not in the pay of the property owner or City.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
	4-16	<p>p. 527: "prairies"</p> <p>This definition must be expanded to include remnant prairies, which here were populated with the Garry oaks and their habitat. Their condition can be degraded, and there need not be several indicator species present, because as restoration specialists can attest, a degraded remnant prairie will become repopulated with prairie species after being restored – for example when invasive Scotch broom and other invasives are removed. Degraded remnant prairies should not be written off simply because they are currently in a degraded state.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	4-17	<p>Although in past comments we have stressed the importance of determining the extent of Garry oak woodland in a way that is not limited by property lines, we see no mention of this problem in the current draft, nor any attempt to eliminate it. For example, a Garry oak woodland that extends beyond a single property must be calculated according to the full extent of the woodland.</p> <p>Conversely, if a single property has only a small portion, less than 1 acre, of a greater woodland, this should not mean that the oaks on that single property are not protected as woodland. We have seen this as an excuse for not protecting Garry oaks in the past in Lakewood, such as during the appeal regarding the property at 112th and Interlaaken. This approach means that theoretically a Garry oak woodland of even 100 acres in Lakewood could be subdivided into smaller pieces of less than one acre and therefore the Garry oak woodland would be subdivided out of existence. This serious problem must be addressed in the revisions to the Critical Areas Ordinance in 2024.</p>	<ul style="list-style-type: none"> <li>The comment is noted and forwarded to City decision-makers.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
<p><b>Christina Manetti, Garry Oak Coalition 9/3/24</b></p>	<p>5-1</p>	<p>The following is a public comment submitted by the Garry Oak Coalition, a Washington State 501c3 environmental non-profit based in Lakewood, for today's Public Hearing on the 2024 Comprehensive Plan and Critical Areas Ordinance GMA updates. Please make us a party of record.</p> <p>We expect a substantive response to these and previous comments we have submitted during this update process.</p> <p>In terms of increasing Lakewood's tree canopy and protecting its Oregon white oaks, the City of Lakewood must improve regulations to insure that our trees are truly protected. Only then will its tree canopy goal have authentic meaning. Today, ivy is allowed to cover trees in Lakewood and Oregon white oaks continue to be cut down, despite the Best Available Science guidance from the Washington State Department of Fish and Wildlife.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>

	5-2	<p><b>Tree canopy goal:</b> The City of Lakewood has made stated as objectives in its Comprehensive Plan that it will aim to improve and increase the urban tree canopy to 40% by the year 2050:</p> <p>p. 204 of 1,031 pages of today's agenda: <b>NE-6.7 Work towards a citywide goal of 40% tree canopy cover by the year 2050.</b></p> <p>p. 170 of 1,031 pages of today's agenda: <b>EC-5.5 Improve the Urban Tree Canopy.</b> <i>Enhance the quality and sustainability of the urban forest and urban tree canopy to mitigate urban heat island effects, address stormwater drainage concerns, and meet environmental quality goals.</i></p> <p><b>IVY CURRENTLY ALLOWED TO KILL OAKS AND OTHER TREES</b> In order to meet this tree canopy goal, the City must improve its regulations so that Oregon white oaks and other trees are not lost due to development or invasive species, in particular invasive ivy, which kills Oregon white oaks and other trees by covering and smothering them, and also causing them to fall under its weight.</p> <p>During my efforts work to remove ivy around town with the Garry Oak Coalition, I have repeatedly encountered the problem that many of the properties with ivy-infested oaks are in fact rentals. The tenants tell us that they must ask permission from the landlords, which makes it difficult and sometimes impossible for anyone to be able to remove the ivy. Often there is no response, and the ivy remains.</p> <p>Take for example the oak at 6911 Mount Tacoma Drive. Even despite Mr. Bugher's efforts last year to contact the owner, Ms. Season Hamilton, to ask that she allow us to remove the ivy, which has almost reached the top of the tree, there was no response and the ivy continues its progress to the very large oak's crown.</p> <p>The City must add a regulation forbidding property owners from</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>
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Name/Organization	No.	Comment Summary	Responses
		<p>allowing ivy to climb trees, and denying permission to be included as a rental in the City if any trees are found to have ivy on them. If a landlord refuses to comply, or is unresponsive, then the City should condemn the property until the tree is girdled. Best of all would be to allow someone to girdle the tree (cut the ivy off from the bottom so that it dies). (It is actually not only a matter of saving the City's tree canopy – ivy covered trees also pose a hazard because they often fall under the ivy's weight. The City can condemn buildings for being dangerous. They should also take steps to make ivy-covered trees safe and allow them to live.)</p> <p>If such measures are not taken, then more of Lakewood's canopy will be lost. As the Garry Oak Coalition saw in its administrative appeal regarding the property on 112th and Interlaaken in September 2023, the property there, as well as others to the west on 112th, had dozens of ivycovered trees, including Oregon white oaks, many of which had already succumbed and were dead.</p>	

Name/Organization	No.	Comment Summary	Responses
	5-3	<p><b>City must follow Best Available Science</b></p> <p>In order to preserve and protect it Oregon white oaks and other important trees, the City of Lakewood must not merely pay lip service to “Best Available Science”.</p> <p>The City must seek out and then conscientiously follow the expert opinion of those charged with representing the Best Available Science in regards to Oregon white oaks (Garry oaks) and other matters regarding trees and habitat – in this case, those are the biologists and other experts from Washington Department of Fish and Wildlife.</p> <p>In p. 572 of 1,031 in agenda, we read: “In urban or urbanizing areas, single oaks or stands less than 0.4 ha (1 ac) may also be considered a priority when found to be particularly valuable to fish and wildlife.”[sic] The City has composed this passage in the passive voice (“when found to be particularly valuable to fish and wildlife”) – it does not specify who should be the one to make this determination that it is “particularly valuable”. According to past experience, the City has accepted “expertise” by unqualified arborists, who without exception have deemed no Oregon white oaks that happen to be in the way of development to be “particularly valuable” to wildlife.</p> <p>The City not allow mere arborists to make determinations about Oregon white oaks and their habitat. (See for example the section of code on p. 528 of today’s agenda, where the code in 14.154.080 Provisions for priority Oregon white oak trees, savannas, and woodlands refers to a “report prepared by a qualified biologist or certified arborist.” Arborists are not qualified to judge matters of Oregon white oak habitat.)</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	5-4	<p>The City must specify that these experts should be biologists from WDFW who determine what is “particularly valuable” to fish and wildlife. It must not be the arborists or habitat biologists hired by the property owner, or the City employees, that make this determination, as there is a clear conflict of interest. A system must be devised in which truly independent experts make this determination.</p> <p>In the case of the Oregon white oaks on Hipkins, for example, WDFW habitat biologist Darrin Masters deemed both of the oaks slated to be cut down as “particularly valuable”, and even invited the City to call him, yet at least one of these large and valuable Oregon white oaks was still cut down for a small roundabout.</p> <p>In fact, according to the Best Available Science, the management recommendations for Oregon white oaks published by WDFW in 2024<sup>1</sup>, <i>no Oregon white oak should be cut down</i>: “Because of its slow growth and value to native wildlife, the loss of OWO to development should be avoided.”<sup>2</sup></p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>



	5-5	<p>The 1998 WDFW recommendations<sup>3</sup> clearly state: "Do not cut Oregon white oak woodlands except for habitat enhancement."</p> <p>On p. 37 of the 1998 WDFW recommendations, we read that most of the large oaks in Lakewood fall into the category that according to the Best Available Science should be preserved:</p> <p>"Recommendation. Large oaks (&gt;50 cm dbh [20 in]), medium oaks (&gt;30 cm dbh [12 in]), older oaks, and oaks with well formed, dominant crowns, should be retained wherever oak enhancement activities occur. Very large oaks are rare and should be retained at the cost of efficient oak regeneration directly under their canopies."</p> <p>On pp. 19-20 of the 1998 recommendations, we read that not only Oregon white oak woodland of 0.4 acres or greater should be maintained, but also single trees in urban and urbanizing areas.</p> <p><i>Land Conversion and Oak Removal Recommendation. Oregon white oak woodlands should not be clearcut, removed, replaced, or patch-cut unless these activities are inherent to the functional maintenance or enhancement of oak habitat. Remaining oak stands <math>\geq 0.4</math> ha (1 ac) west of the Cascades and <math>\geq 2.0</math> ha (5 ac) east of the Cascades should be maintained or enhanced, regardless of age-class or composition of the stand. Specifically, maintain 25-50% canopy cover of Oregon white oaks in oak woodland stands. In oak savannas (i.e., stands with &lt;25% total canopy cover), maintain the oak component at <math>\geq 50\%</math> of the canopy cover present.</i></p> <p><b><i>In urban and urbanizing areas, single trees or small patches of oaks should be maintained if they are deemed important to species highly associated with Oregon white oak.</i></b> [emphasis added]</p> <p>Darrin Masters, habitat biologist at WDFW, and Professor Douglas Tallamy have stated for past administrative appeals that it is</p>	<ul style="list-style-type: none"> <li>Lakewood adopted its critical areas ordinance (CAO) (see LMC Title 14 generally and Chapter 14.154 for Fish and Wildlife Habitat Areas) in 2015. It adopted its Shoreline Master Program (SMP) (currently a stand-alone document that will be incorporated into the LMC as part of the 2024 periodic review at LMC Title 16) in 2019.</li> </ul> <p>In 2024, the City is updating its CAO to reflect best available science (BAS) now available and to directly regulate critical areas not governed under the SMP.</p> <p>In order to balance GMA and PSRC requirements to densify housing and job units within cities, Lakewood is complying with BAS requirements while considering whether implementing WDFW non-mandatory recommendations and guidance is feasible in a city that contains a regional urban growth center and must plan for significant new housing densities throughout its historically single family areas.</p>
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Name/Organization	No.	Comment Summary	Responses
		<p>common knowledge among specialists that every Oregon white oak is valuable to wildlife, including those “highly associated species”, such as neotropical migratory birds that can use any oak during their twice-yearly migrations, and the several types of woodpeckers living in Lakewood. (See pages 10-12 of the 1998 recommendations for information about these highly associated species.)</p> <p>Despite the City and hearing examiners being presented with this information during appeals, the Oregon white oaks were still destroyed. The “experts” hired by developers fail to recognize this fact.</p>	

Name/Organization	No.	Comment Summary	Responses
	5-6	<p>As mentioned in previous comments, the City must also:</p> <ul style="list-style-type: none"> <li>- Calculate Oregon white oak woodland according to the extent of the natural feature, not according to property boundaries. At the property on the corner of 112th and Interlaaken, the City allowed a Oregon white oak woodland of greater than one acre to be degraded by not protecting 0.4 acres of it that was on the subject property. Hired arborists in the past have made incorrect determinations of the extent of stands and woodland, such as Soundview for the Panattoni developers, who in the end were allowed to cut down 114 large Garry oaks and the valuable habitat and treen canopy they represented to build a warehouse in Springbrook on 123rd Street in late summer 2023.</li> <li>- Calculate Oregon white oak woodland according to the extent of the natural feature, without regard to minor disruptions, such as that presented by a small road. On Interlaaken, it was argued that the Oregon white oak woodland was intersected by the road, and so was no longer a contiguous Oregon white oak woodland, despite the fact that, according to an aerial photograph, the canopies of the oaks on opposite sides of the street were almost touching, if not touching. After all, if the Mojave is intersected by a road (even a major one), that does not change the fact that it is a desert. The same holds true for Oregon white oak woodlands in Lakewood.</li> </ul> <p>Despite its 2023 amendments to the tree preservation code and revisions in this 2024 Comp Plan and Critical Areas Update, the City of Lakewood still fails to protect Oregon white oaks and other significant trees, and therefore Lakewood’s tree canopy in general.</p>	<ul style="list-style-type: none"> <li>• The comment is noted and forwarded to City decision-makers.</li> </ul>

Name/Organization	No.	Comment Summary	Responses
	5-7	I ask that the Comprehensive Plan and Critical Areas Ordinance be revised further before approval to insure greater and more effective protections for Oregon white oaks and other trees. This would include a regulation banning property owners from allowing ivy to climb on trees, requiring that the City truly follow Best Available Science, not allowing property owners to be the ones to hire consultants who make the determination of what is "valuable habitat", for example, and requiring a scientific determination of woodland size and extent.	<ul style="list-style-type: none"> <li>The comment is noted and forwarded to City decision-makers. See also response to Comment 5-5.</li> </ul>
<b>Christina Manetti, 9/3/24</b>	6-1	The following is my public comment for today's Public Hearing on the 2024 Comprehensive Plan and Critical Areas Ordinance GMA updates. Please make me a party of record. I expect a substantive response to these and previous comments I have submitted during this update process.	<ul style="list-style-type: none"> <li>Other than the introductory paragraph, The content of this letter seems to be verbatim to the letter submitted by the Garry Oak Coalition. Please see responses to Comments 5-1 through 5-7.</li> </ul>
<b>Christina Manetti, Resident, Garry Oak Coalition, 6/26/24</b>	7-1	Named several concerns of protecting Garry Oak trees in Lakewood. Two points were made regarding the possible inventory of all Garry Oak in the City and that cement around the trees in urban areas should be removed to allow the tree more growth opportunity.	Comments noted.



August 19, 2024

RE: 2024 Comprehensive Plan and Critical Areas Ordinance Updates

To Whom It May Concern:

I am writing on behalf of the Garry Oak Coalition, an environmental non-profit in Lakewood. **Please make our non-profit a party of record.** Please find below our comments related to the latest draft of the 2024 Comp Plan updates. We will be referring to the page numbers in this document: <https://cityoflakewood.us/wp-content/uploads/2024/08/2024-08-19-Council-Agenda.pdf>

**p. 490 – “no net loss” of ecological function**

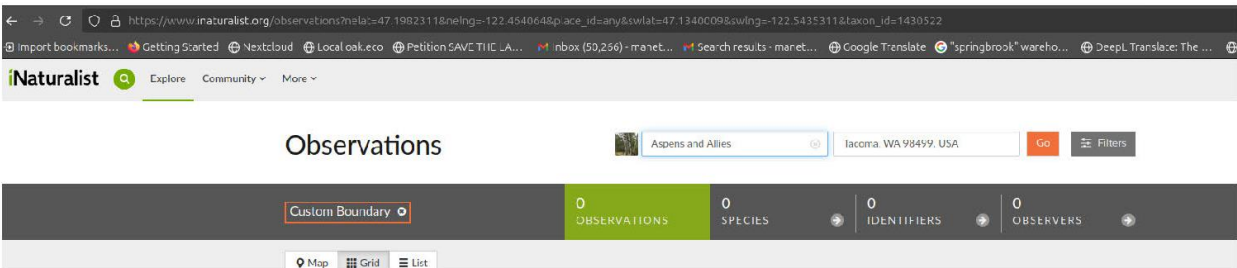
This determination must be made by a consultant not hired by the property owner

- B. As part of all development applications:
  - 1. The Department shall review the information submitted by the applicant to:
    - a. Confirm the nature and type of the natural resource land and/or critical area and evaluate any required studies;
    - b. Determine whether the development proposal is consistent with this title;
    - c. Determine whether any proposed alterations to the site containing natural resource lands or critical areas are necessary;
    - d. Determine if the mitigation and monitoring plans proposed by the applicant are sufficient to protect the public health, safety and welfare consistent with the goals, purposes, objectives and requirements of this title; and
    - d.e. Confirm that the proposed activity or development will result in no net loss of ecological function, pursuant to WAC 365-196-830(4). Mitigation sequencing, if required, shall comply with the mitigation sequencing requirements established in LMC 14.142.135.

**p. 520 of file: Aspens**

As one sees in iNaturalist, there appear to be no aspens in Lakewood, so their inclusion in this list is surprising.

- b. Habitats and species of local importance, including the following:
  - i. ~~Areas with which state listed monitor or candidate species or federally listed candidate species have a primary association, and which, if altered, may reduce the likelihood that the species will maintain and reproduce over the long term.~~
  - ii. Documented habitat areas or outstanding potential habitat areas for fish and wildlife species. These areas include specific habitat types which are infrequent in occurrence in Pierce County and Lakewood, and may provide specific habitats with which endangered, threatened, sensitive, candidate, or monitor species have a primary association, such as breeding habitat, winter range, and movement corridors. These areas include the following:
    - (A) Aspen stands.



**p. 520 of file: resources incomplete**

The resources listed cannot be the only ones recognized, because as the authors of the DNR or WDFW maps concede, their maps are not complete.

*2. Mapping. The resources listed below provide information on fish and wildlife habitat conservation areas...*

**Error on p. 522, should not be changed from original “in”:**

*The City shall give substantial weight to the management recommendations contained **ithen** the Washington Department of Fish and Wildlife Priority Habitats and Species Program. [Ord. 775 § 1 (Exh. A), 2022; Ord. 630 § 2, 2015; Ord. 362 § 3, 2004.]*

**p. 527 of file: specific mention of ivy and other invasive species needed**

This needs to be reinforced in the code with a section explicitly making it illegal to allow ivy or other invasive species to climb onto oaks or other trees. Ivy will kill a tree by making it fall under its weight, or by covering its leaves so as to make photosynthesis impossible, as well as by stealing precious water resources from it.



14.154.080 Provisions for priority Oregon white oak trees, savannas, and woodlands.  
A. No person shall willfully remove, top, damage, destroy, break, injure, mutilate or kill any priority Oregon white oak trees, savannas, and woodlands except as allowed by this chapter.

**p. 527 of file:**

This must be enforced. While it is currently in the code, it has not been enforced on multiple occasions:

14.154.080 Provisions for priority Oregon white oak trees, savannas, and woodlands.  
A. No person shall willfully remove, top, damage, destroy, break, injure, mutilate or kill any priority Oregon white oak trees, savannas, and woodlands except as allowed by this chapter.

**p. 527 of file:**

As per WDFW recommendations (1998 and 2024), Garry oaks should be allowed to remain standing, as they are extremely valuable to wildlife. “Diseased” can be interpreted here as being affected by fungus, though this is a positive attribute in terms of habitat value, according to WDFW’s 2024 recommendations. (See p. 33 of WDFW’s *Management recommendations for Washington's priority habitats: Best management practices for mitigating impacts to Oregon white oak priority habitat*, 2024.)

As a result, this section of the code fails to follow Best Available Science:

- C. The following activities may be allowed regarding priority Oregon white oak trees, savannas, and woodlands:
1. Removal of diseased trees and trees that present an imminent threat to properties with an approved tree removal permit. The Director may require a written report by a certified arborist assessing the condition of any tree that is purported to be diseased or hazardous. Tree replacement is required at a two-to-one ratio per LMC 18A.70.330.

**p. 528 of file: “Two-to-one replacement ratio”**

This section of the code requiring a “two-to-one replacement ratio” for Garry oaks “fails to meet the standards of Best Available Science.

party review of the report at the applicant's expense. A minimum two-to-one replacement ratio shall be applied. See required findings in subsection (C)(5) of this

According to WDFW’s 2024 management recommendations, and therefore Best Available Science, the replacement ratio for the removal of one Garry oak, depending on diameter at breast height, ranges from 50:1 to **250:1**.

See p. 18 of WDFW’s *Management recommendations for Washington's priority habitats: Best management practices for mitigating impacts to Oregon white oak priority habitat*, 2024.)

- 2) Compensating for the loss of individual locally important trees (same planting density as above)
  - For trees > 30 inches diameter at breast height (dbh), use a tree replacement ratio of 250:1
  - For trees between 24 - 30 inches dbh, use a tree replacement ratio of 200:1
  - For trees between 18 - 24 inches dbh, use a tree replacement ratio of 150:1
  - For trees between 12 - 18 inches dbh, use a tree replacement ratio of 100:1
  - For trees between 12 - 6 inches dbh, use a tree replacement ratio of 50:1

**p. 527 of file:**

If during new construction there are Garry oaks on a property and the construction of a garage would adversely impact the Garry oaks, it should be required that the garage be designed underground. If the construction of a new garage for an existing house would adversely impact Garry oaks, it should not be allowed. Oak hundreds of years old that grow extremely slowly and the habitat they provide must be given precedence over sheltering a motor vehicle in a permanent structure.

If there are Garry oaks on a property, an accessory dwelling unit should not be allowed. While a primary residence is “reasonable use”, an accessory dwelling unit is just that – accessory. “Accessory”, according to Merriam Webster, means “a thing which **can be** added to something else in order to make it more useful, versatile, or attractive.”

3. Single-Family Property. If the presence of the priority Oregon white oak tree, savanna, or woodland renders the development of a house or permitted accessory structure infeasible, and the application of incentives in LMC 18A.70.320(J) is insufficient to result in a feasible development, the City may allow removal or trimming of priority Oregon white oak trees and woodlands in order to allow a maximum building footprint of 1,500 square feet for a single-family residence, 1,000 square feet for an accessory dwelling unit, and 1,000 square feet for a detached garage. Additional impervious area for the driveway will be permitted which provides the shortest and most direct access to the house with minimal encroachment or impact into the critical area. The proposal shall demonstrate prior tree removal has met Chapter 18A.70 LMC, Article III in effect at the time, the proposal results in the least possible impact to the critical area to achieve a feasible development, and includes mitigation to offset any impacts to critical areas

**p. 528 – “certified arborist”**

Here and elsewhere where it says that reports should be prepared by qualified biologists or “certified arborists”, this should be changed to only qualified Garry oak habitat biologists, since what we are dealing with when even looking at a single Garry oak is not just a tree, but a complex being that represents a particular kind of habitat. Not all habitat biologists know about Garry oaks, and arborists do not know about habitat. Therefore, a simple certified arborist, as we have seen in past appeals, is not sufficient to adequately assess a Garry oak or oaks, nor is just any “habitat biologist”.



subsection C of this section.

4. *Commercial, Industrial, Multifamily, Institutional or Other Development.* On nonsingle-family properties where priority Oregon white oak trees, savannas, and woodlands does not exceed one acre in size contiguous and the application of incentives in LMC 18A.70.320(J) is insufficient to result in a feasible development, the City may allow for removal or trimming of priority Oregon white oak trees and woodlands to accommodate a legal use of the property with the least possible impact to the critical area, provided no clearing of trees occurred prior to the application for a land use permit in violation of Chapter 18A.70 LMC, Article III in effect at the time, and provided mitigation is instituted consistent with a report prepared by a qualified biologist or certified arborist. The City may require a third-party review of the report at the applicant's expense. A minimum two-to-one replacement ratio shall be applied. See required findings in subsection (C)(5) of this section. If a proposal does not meet the parameters of this paragraph see subsection D of this section.

**p. 528 of file:**

It is not sufficient to say that the City “may consult with WDFW...as needed”. As we have seen in the past, either the City does not consult with WDFW, or, if WDFW is consulted, its recommendations are not heeded. Here, the wording should be changed to say that the City “will consult WDFW and follow its recommendations as being representative of Best Available Science”:

c. The report and mitigation prepared by a qualified biologist or certified arborist demonstrate to the satisfaction of the Director that mitigation addresses impacts to priority Oregon white oak trees, savannas, and woodlands consistent with the provisions of this chapter. The report and mitigation consider the Washington Department of Fish and Wildlife Priority Habitats and Species Program management recommendations for Oregon white oak woodlands. The report has been reviewed by either the Washington Department of Fish and Wildlife through SEPA review and/or a qualified biologist or certified arborist at the applicant's expense as required by the Director. The City may consult WDFW for additional review as needed.

**pp. 571-2 of file: “Oregon white oak savanna”**

This definition seems problematic, since it would mean that mixed forests where oaks are less than 25% of the canopy coverage would be savannas, even if there is a large number of trees, such as along Dekoven, even though that is not what a savanna is. (Savannas are not forests.)

“Oregon white oak savanna” means areas where total canopy coverage of the stand is less than 25% but oak accounts for at least 50% of the canopy coverage present.

**p. 572 of file: correction to punctuation**

There seems to be a superfluous closing quotation mark (highlighted below in yellow):

*“Priority Oregon white oak woodland” means stands of oak or oak/conifer associations where canopy coverage of the oak component of the stand is 25%; or where total canopy coverage of the stand is greater than or equal to 25%, but oak accounts for at least 50% of the canopy coverage. The latter is often referred*

*to as oak savanna. In urban or urbanizing areas, single oaks or stands less than 0.4 ha (1 ac) may also be considered a priority when found to be particularly valuable to fish and wildlife."*

**p. 572 of the file: "qualified professional"**

This wording does not resolve the obvious problem of conflict of interest when "qualified professionals" are hired by the property owner – or indeed by the City itself – to determine environmental issues. A method must be devised whereby the consultants providing "expert opinion" are not in the pay of the property owner or City.

"Qualified professional" means a person who is a qualified scientific expert with expertise appropriate to the relevant critical areas as determined by the person's credentials and/or certification, any advanced degrees earned in the pertinent scientific discipline from a recognized university, the number of years of experience in the pertinent scientific discipline, recognized leadership in the discipline of interest, formal training in the specific area of expertise, and field and/or laboratory experience with evidence of the ability to produce peer-

**p. 527: "prairies"**

This definition must be expanded to include remnant prairies, which here were populated with the Garry oaks and their habitat. Their condition can be degraded, and there need not be several indicator species present, because as restoration specialists can attest, a degraded remnant prairie will become repopulated with prairie species after being restored – for example when invasive Scotch broom and other invasives are removed. Degraded remnant prairies should not be written off simply because they are currently in a degraded state.

**"Prairies"** means open areas predominated by native, drought-resistant, grasses, forbs (flowering nonwoody plants) and herbs. In Pierce County, prairies are an unusual vegetation regime found in areas of extremely well-drained soils.

Although in past comments we have stressed the importance of determining the extent of Garry oak woodland in a way that is not limited by property lines, we see no mention of this problem in the current draft, nor any attempt to eliminate it.

For example, a Garry oak woodland that extends beyond a single property must be calculated according to the full extent of the woodland. Conversely, if a single property has only a small portion, less than 1 acre, of a greater woodland, this should not mean that the oaks on that single property are not protected as woodland. We have seen this as an excuse for not protecting Garry oaks in the past in Lakewood, such as during the appeal regarding the property at 112<sup>th</sup> and Interlaaken.

This approach means that theoretically a Garry oak woodland of even 100 acres in Lakewood could be subdivided into smaller pieces of less than one acre and therefore the Garry oak woodland would be subdivided out of existence.

This serious problem must be addressed in the revisions to the Critical Areas Ordinance in 2024.

Please also see our previous comments related to the Comprehensive Plan updates in 2024.

Thank you for your attention to these serious matters affecting the condition of our environment in Lakewood, and specifically its Garry oaks.

Thank you.

Sincerely,



Christina Manetti, Ph.D.  
President, Garry Oak Coalition



Downtown Subarea Draft 2024 Transportation Mitigation Fee (TMF) Administrative Policy and 2024 Downtown transportation project cost estimates.

Included for the Council’s reference on the following pages is the draft 2024 Downtown Transportation Mitigation Fee (TMF).



**Planning & Public Works Department**  
**Policy No. XXX**

<b>SUBJECT:</b> Transportation Mitigation Fee Program	
<b>DIVISION:</b> Department-wide	<b>REFERENCE NO:</b> 00X
<b>REFERENCES:</b> LMC Title 18B Downtown Subarea Plan Downtown Planned Action SEPA Planned Action Ordinance No. 696	<b>ISSUE DATE:</b> XX/XX/2024
<b>RELATED POLICY:</b> 2019 TMF Administrative Policy	<b>REVISION DATE:</b> As needed
<b>WEB LINKS:</b> <a href="#">LMC Title 18B</a> <a href="#">Downtown Subarea plan</a> <a href="#">Planned Action Ordinance No. 696</a> <a href="#">Downtown Final Planned Action EIS</a> <a href="#">Downtown Final EIS Addendum #1</a> <a href="#">Downtown Final EIS Addendum #2</a> <a href="#">Downtown Mitigation Fee Application</a> <a href="#">Downtown SEPA Conformance Checklist</a>	<b>EXPIRATION DATE/NEXT REVIEW DATE:</b> As determined by City Council

**1.0 PURPOSE:**

Consistent with the Downtown Subarea Planned Action Environmental Impact Statement (EIS), the following Department policy provides administrative guidance on how to administer and implement the Traffic Mitigation Fee (TMF) program.

This administrative guidance has been revised to address policy direction received by City Council as part of the 2024 Comprehensive Plan Periodic Update. Standard operating procedures (SOPs) may also be necessary for consistent application of this policy.

Additional refinements to this policy may be necessary following updated transportation analysis as part of the RAISE downtown subarea planning grant. This planning effort is anticipated to be completed by 2026.

**2.0 SCOPE:**

This administrative policy applies to the Downtown Planned Action EIS area defined in Ordinance No. 696 and Lakewood Municipal Code (LMC) Title 18B. Land uses and activities within the Planned Action EIS shall be subject to mitigation measures. A TMF shall be applied to applicable land use and activities consistent with the Planned Action EIS and this policy.

**3.0 DEFINITIONS/ACRONYMS:**

- ADT: Average Daily Trips
- EIS: Environmental Impact Analysis
- LMC: Lakewood Municipal Code
- TIA: Traffic Impact Analysis

- TMF: Transportation Mitigation Fee
- PPW: Planning & Public Works Department
- SEPA: State Environmental Policy Act
- SOP: Standard Operating Procedure

#### 4.0 ADMINISTRATION

The Department of Planning and Public Works (PPW) is responsible for the administration and implementation of the downtown Planned Action EIS and associated TMF program. The Department Director shall be responsible for the implementation and interpretation in consultation with the City's designated State Environmental Policy Act (SEPA) official.

Any modifications or revisions to these administrative policies shall be consulted with the City Manager and City Council as needed.

#### 5.0 POLICY

The following policy shall be consistent with the adopted Planned Action EIS and Ordinance No 696. The Transportation Mitigation Fee program shall ensure:

- A. Concurrency.** All planned action projects shall meet transportation concurrency requirements and adopted Level of Service thresholds.
- B. Mitigation.** Transportation mitigation shall be provided consistent with mitigation measures identified in the Planned Action EIS and Ordinance No. 696.
- C. Qualifying Land Uses.** Land uses and activities subject to traffic mitigation and the TMF program include:
  - Townhome or cottage dwelling units
  - Multi-family dwelling units
  - Commercial office
  - Services
  - Medical
  - Hotel and lodging
  - Retail
  - Eating and drinking establishments
  - Open space, parks, plazas, trails, gathering spaces and recreational uses
  - Civic and cultural facilities
  - Government and utility facilities
  - Industrial use
  - Other allowed uses in LMC Title 18B.
- D. Traffic Impact Analysis.** A Traffic Impact Analysis (TIA) shall be required if a proposed use generates **100 or more** average daily trips (ADT). Minimum submittal standards shall include but not limited to:
  - i. Executive summary, table of contents and introduction.
  - ii. Existing conditions of the site.
  - iii. Identification and description of the proposed development. This shall include land use and intensity, location, site plan, zoning, phasing and timing.
  - iv. Trip generation, distribution and assignment for the proposed development.

This shall include mode split if applicable.

- v. Roadway connectivity, circulation and parking.
- vi. Safety performance.
- vii. Access analysis of all driveways, alley, shared access facility and private road access points from the proposed development.
- viii. Identification of traffic impacts.
- ix. Current or planned transportation improvement projects including anticipated timing/funding.
- x. Conclusions and recommendations.
- xi. Appropriate maps, tables, figures and appendices.

**E. Traffic generation memo.** If **99 or less** ADT, a trip generation memo shall be required. Minimum submittal standards shall include but not limited to:

- i. Identification and description of the proposed development. This shall include land use and intensity, location, site plan, zoning, phasing and timing.
- ii. Trip generation, distribution and assignment for the proposed development. This shall include mode split if applicable.
- iii. Conclusions and recommendations.
- iv. Appropriate maps, tables, figures and supporting documentation.

**F. SEPA checklist.** The Department shall prepare, make available and update as needed a modified SEPA checklist. Proposed development projects within the downtown Planned Action EIS area shall submit a SEPA checklist to the Department to ensure consistency.

Consistent with Ordinance No. 696, the Department shall review the submitted checklist to ensure:

- i. A complete application consistent with Chapter 18A.20 LMC.
- ii. Project is located within the Planned Action EIS area.
- iii. Proposed uses are consistent with activities described in the Planned Action EIS and downtown subarea plan.
- iv. Anticipated significant adverse impacts were identified and mitigated through measures in the Planned Action EIS.
- v. Project is not an essential public facility.

**G. Determination of Consistency/Inconsistency.** Pursuant to WAC 197-11-172 and Ordinance No. 696, the SEPA Responsible Official shall determine whether the proposed action is consistent with the Downtown subarea plan

and associated Planned Action EIS. The determination of consistency shall be distributed to the property owner, applicant, federally recognized tribes, agencies with jurisdiction and posted on the Washington State Department of Ecology's SEPA register. The Determination shall remain valid and in effect as long as the underlying project approval is also in effect.

If the proposal exceeds the development thresholds of the Planned Action EIS, additional environmental review and a threshold determination will be required.

The Determination of Consistency or Inconsistency is a Type 1 decision and can be appealed to the Hearings Examiner.

**H. TMF Calculations.** Calculations shall be based on the following:

- i. **Development thresholds.** By 2035, planned residential dwelling units is anticipated to be 2,257 and commercial square feet at 2.85 million or 7,369 jobs.
- ii. **Trip ranges & thresholds.** Shall be based on new PM peak hour trips to 2035. A total of 6,658 vehicular traffic trips is estimated by 2035.
- iii. **Trip generation.** Determination of trip generation for uses and activities shall use the Institute of Transportation Engineers (ITE) Trip Generation Manual latest addition.
- iv. **Existing structure.** If a proposed use is intended to occupy an existing structure, a new TMF calculation shall be assessed if the space has been vacant for 12 months or more.  
  
If vacant less than 12 months, it is assumed the TMF was paid based on its prior use.
- v. **Change of use.** If a proposed use is intended to occupy an existing structure and is a change a use, a TMF shall be assessed.
- vi. **Project cost estimates & cost share.** In 2018, the total transportation costs to 2035 are estimated \$28,944,000. The public's share of planned action transportation costs shall be 50%. The TMF program shall pay the remaining 50% or \$14,472,500 of the estimated costs.
- vii. **Trip fee.** The TMF trip fee shall be calculated at **\$2,174.00** per trip.

**I. Payment.** The Department shall collect applicable TMF fees from a proposed development within the Planned Action EIS area. TMF fees shall be paid **prior to issuance of certificate of occupancy** by the designed Chief Building Official.

**J. Use of TMF funds.** TMF fees shall be applied to transportation projects identified in the Planned Action EIS. If the City fails to expend or obligate TMF funds within 10 years of when they were collected, the City shall refund the TMF.



**K. Monitoring.** The Department shall monitor regularly the performance and collection of TMF to ensure consistency with the downtown subarea plan, Planned Action EIS expectations and transportation concurrency requirements. Performance reporting shall be presented to the City Manager and City Council as needed.

**6.0 ROLES & RESPONSIBILITIES:**

Roles	Responsibilities
<b>PPW Director</b>	<ul style="list-style-type: none"> <li>• Administers and interprets LMC Title 18B.</li> <li>• Implements and administers the TMF program.</li> <li>• Makes final determination of similar like uses not identified LMC and the ITE.</li> <li>• Determines if a proposed development is exempt from the TMF program consistent with the downtown subarea plan, Planned Action EIS and Ordinance No 696.</li> </ul>
<b>SEPA Responsible Official</b>	<ul style="list-style-type: none"> <li>• Ensures environmental analysis is in conformance with SEPA procedures.</li> <li>• Makes a determination whether a proposed project is consistent or inconsistent with the Planned Action EIS mitigation measures.</li> <li>• Notifies appropriate parties of their determination.</li> </ul>
<b>Chief Building Official</b>	<ul style="list-style-type: none"> <li>• Issues certificate of occupancy and building permits consistent with LMC Title 15 and related building life/safety standards incorporated by reference.</li> </ul>
<b>City Engineer or their designee</b>	<ul style="list-style-type: none"> <li>• Reviews proposed development in conformance to LMC, City Engineering Standards and Ecology Stormwater Manual for Western Washington.</li> <li>• If 100 or greater average daily trips (ADT), shall review the TIA submittal consistent with city standards and the ITE traffic generation manual current edition.</li> <li>• For transportation improvements, ensure minimum conformance to LMC and adopted Level of Service standards.</li> <li>• Condition on the site plan/application approval including payment of appropriate TMF fees prior to certificate of occupancy issuance.</li> <li>• Coordinate with Permit Center on applicable TMF fee assessment.</li> </ul>



Roles	Responsibilities
<b>Senior Planner or their designee</b>	<ul style="list-style-type: none"> <li>• Review SEPA conformance checklist for application completeness.</li> <li>• If under 99 or less ADT, review trip generation memo for conformance to city standards and the ITE traffic generation manual current edition.</li> <li>• Condition on the site plan/application approval including payment of appropriate TMF fees prior to certificate of occupancy issuance.</li> <li>• Coordinate with Permit Center on applicable TMF fee assessment.</li> </ul>
<b>Permit Supervisor or their designee</b>	<ul style="list-style-type: none"> <li>• Notifies applicant of complete application and permit approval.</li> <li>• Collects applicable TMF prior to final certificate of occupancy issuance.</li> <li>• Prepares a quarterly report of TMF anticipated based on application submittal and payment. This report shall include at minimum: <ul style="list-style-type: none"> <li>○ Time of application submittal and determination of completeness.</li> <li>○ Time of applicant notification of assessed TMF.</li> <li>○ Time of TMF payment.</li> </ul> </li> </ul>

DRAFT

Included below for the Council's reference are the updated cost estimates for the transportation projects not yet completed that were identified as needed mitigation for the growth planned in the Downtown Subarea. **Note: The draft TMF administrative policy included above is based on the 2018 cost estimates.**

<b>Road Project</b>	<b>Status</b>	<b>Updated Cost</b>
9.22 – 100 <sup>th</sup> St pavement restoration from 59 <sup>th</sup> Ave to Lakeview Ave	Planned and partially funded. City has funds from Lwd Drive to Lakeview	The segment from 59 <sup>th</sup> to Bridgeport would cost \$525,000
Modify cross section of Gravelly Lake Blvd. Study, 4, -lane cross sections with left turn pockets between Bridgeport and Nyanza Road SW to allow for improved bicycle and pedestrian facilities	Planned, but not funded	\$9,925,000
3.13 – Install a traffic signal at Gravelly Lake Drive / Avondale Road	Planned, but not funded	\$1,775,000
Conversion of Lakewood Towne Center Blvd as a public street	Not Planned	\$5,775,000 (Does not include condemnation costs or encumbrances like gas, Safeway and parking damages)
Lakewood Towne Center Blvd at 59th Ave SW, consider roundabout	Not Planned	\$490,000 (Does not include ROW)
Reduce 59th Avenue SW to two lanes, allowing for bicycle facilities	Not Planned	Assuming project is from Main to GLD \$175,000
2.69B – Gravelly Lake Drive Road Diet b/w Bridgeport and Steilacoom (4 lanes to 3 lanes with bicycle lanes)	<b>Completed</b>	N/A
2.72 – 100 <sup>th</sup> St & Lakewood Dr. curb, gutter, sidewalks, new signal	<b>Completed</b>	N/A
2.82 – New sidewalk east side of 59 <sup>th</sup> Ave from 100 <sup>th</sup> St to Bridgeport Way\	<b>Completed</b>	N/A
5.7 – Improve non-motorized connections on Motor Ave b/w Whitman and Gravelly Lake Dr.	<b>Completed</b>	N/A
9.16 – 59 <sup>th</sup> Ave pavement restoration from Main St to 100 <sup>th</sup> St	<b>Completed</b>	N/A
Retain Bridgeport Way SW as primary vehicle entrance-strengthen gateway	This isn't a defined project to plan or estimate	N/A
Retain 100th Street SW as a primary east-west vehicle connection between I-5 and subarea	This isn't a defined project to plan or estimate	N/A
Addition of new street connections to support walkability. Consider 400 feet as the desired maximum block lengths throughout Subarea.	This isn't a defined project to plan or estimate	N/A

**Updated cost estimates for Downtown transportation projects \$18,665,000**

<b>Intersection</b>	<b>Status</b>	
<b>Gravelly Lake Dr SW/59th Ave SW</b>		
Signalize intersection	Not Planned	\$1,150,000
<b>Lakewood Dr SW/Bridgeport Way SW</b>		
Convert westbound through-left lane to left only to remove split phase or move the pedestrian crossing to the north side of the intersection coincident with the WB phase*	Not Planned	\$40,000
<b>100th St SW/Bridgeport Way SW</b>		
Add westbound right turn pocket, convert existing westbound through-right lane to through-only, and prohibit east and westbound left turns	Not Planned	Requires moving crown line/ reprofile intersection \$2,150,000.
<b>100th St SW/Lakewood Dr SW</b>		
Signal timing revisions to provide more green time to protected left turn phases and reduce time for eastbound and southbound through phases	This isn't a defined project to plan or estimate	N/A

**Updated cost estimates for Downtown intersection projects: \$3,340,000**

**Total updated Downtown Transportation Project Costs: \$22,005,000**

**EXHIBIT A**  
**Potential City Council-Initiated Amendments to 2024 Comprehensive Plan and Development Regulations**

Comprehensive Plan

**8 Natural Environment // Lakewood Comprehensive Plan**

**8.3 Goals and Policies**

\* \* \*

**NE-3 Maintain the natural qualities of shorelines while ensuring public access and recreational use.**

NE-3.1 Maintain the ecological integrity of wildlife habitats along the shorelines.

NE-3.2 Enhance safe public access for the use of shoreline areas and lakes.

NE-3.3 Collaborate in regional watershed management initiatives to adhere to state guidelines for non-point source pollution prevention, especially within Watershed Resource Inventory Area 12.

**NE-3.4 Retain current and future City ownership of shorelines and shorelands.**

\* \* \*

**NE-7 Enhance and protect water quality.**

NE-7.1 Preserve the aesthetic and ecological functions of water features through planning and innovative land development

**NE-7.2 Manage water resources to support diverse uses including habitat, recreation, flood control, water supply, and open spaces, including through retaining current and future City ownership of shorelines and shorelands.**

NE-7.3 Maintain and improve surface water quality to restore degraded waters and meet federal and state water quality standards.

NE-7.4 Maintain surface water and groundwater monitoring programs to inform local management..

NE-7.5 Evaluate potential pollutant sources for major water bodies such as Lake Louise, Gravelly Lake, Waughop Lake, and Lake Steilacoom to support pollution reduction strategies.

NE-7.6 Prioritize the extension of sewers to reduce surface water quality impacts, especially for areas that may impact American Lake.

NE-7.7 Promote citywide water quality initiatives to reduce impervious surfaces, prevent surface erosion, minimize fertilizer and pesticide use, and otherwise prevent stormwater contamination.

NE-7.8 Coordinate with local water districts and Pierce County to ensure projects in wellhead protection areas undergo necessary hydrologic assessments or SEPA responses.

NE-7.9 Collaborate with local water districts, adjoining jurisdictions, and military installations to enhance the protection of wellheads and aquifers through education, resources, and planning.

NE-7.10 Maintain a well decommissioning program for all unused wells.

NE-7.11 Coordinate planning and review of drainage, detention, and treatment programs within wellhead protection areas.

NE-7.12 Restrict impervious surfaces in aquifer recharge areas.

NE-7.13 Cooperate with other jurisdictions to maintain an integrated regional system for wellhead protection data collection, mapping, and analysis.

Development Regulations

**18A.40.090 Lodging.**

\*\*\*

B. *Development and Operating Conditions.*

\*\*\*

2. Short Term Rentals (STRs)

\*\*\*

i. General regulations.

1. The STR permittee must maintain a valid STR permit and City of Lakewood business license.
2. The approved STR permit number and City of Lakewood business license shall be posted on every listing advertising or offering the STR, including listings on STR platforms.
3. A STR permittee is allowed ~~only one (1)~~ up to 5 STR permits in the City of Lakewood.
4. STR permittee, or their designee, shall always be available and able to respond in person, or by telephone, within one hour to complaints, guest concerns, and inquiries.
5. Contact information for the STR permittee, or their designee, shall be clearly posted in a visible location within the main living space of the STR.
6. A good neighbor policy, in a form provided by the City, shall be posted in a visible location within the main living space of the STR. It shall be the responsibility of the applicant to ensure that their guests comply with the policy.
7. All off-street parking required for the primary use of the site shall be made available to guests.
8. On or off premise signs advertising the STR shall not be permitted.
9. STR guests are not permitted to host banquets, parties, or other gatherings for direct or indirect compensation. STR guests are permitted to hold non-commercial gatherings which do not infringe upon the right of the neighboring residents to enjoy a peaceful occupancy of their homes.
10. The STR shall be conducted in such a manner as to give no outward appearance nor manifest any characteristics of a business, in the ordinary meaning of the term, that would infringe upon the right of the neighboring residents to enjoy a peaceful occupancy of their homes.
11. Maximum occupancy shall be regulated consistent with LMC Title 15.

12. The STR shall maintain all applicable performance standards for the zoning district or shoreline environment designation and as otherwise required by local, state and federal law.

13. The STR shall meet all local, state, and federal requirements regarding licenses and taxes.

14. Enforcement of this chapter shall be conducted consistent with the enforcement of land-use codes chapter of LMC Titles 18A, 18B, and 18C, the enforcement chapter of LMC Title 15, the purpose and policy chapter of LMC Title 5 and all other adopted and applicable enforcement chapters of LMC Titles.

# Lakewood Comprehensive Plan

**WORKING VERSION | August 2024 DRAFT**

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The 2024 Lakewood, WA Comprehensive Plan is significantly updated and streamlined to reflect progress the city has made since its incorporation to achieve the Vision of its founders. It is designed as an accessible and efficient tool to implement the Vision of its current and future residents and leaders.

The Plan promotes equitable, sustainable, and financially responsible growth planning for Lakewood's land uses and capital facilities. It is a solid foundation for the incentives, regulations, and partnerships that will implement the Plan's policies. It is consistent with the Growth Management Act as well as regional and countywide policies.

The 2024 Comprehensive Plan includes policies and priorities that will improve the quality of life for Lakewood's residents no matter their racial or economic status. It celebrates the city's' diversity. It identifies and promotes economic and cultural subareas. It acknowledges Lakewood's unique status as a city hosting a state forensic hospital and two colleges and located adjacent to the largest military installation west of the Mississippi River as well as the Nisqually Indian Tribe Reservation.

I am proud to present the 2024 City of Lakewood Comprehensive Plan.

Sincerely,

[signature]

Jason Whalen

Mayor, City of Lakewood

# Acknowledgements

Lakewood's elected and appointed officials and city staff wish to acknowledge the numerous individuals who participated and contributed their valuable expertise in the preparation and production of this document.

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### **2015 TRANSPORTATION BACKGROUND REPORT**

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Parametrix, Kirkland, Wash. (transportation)

# Summary

Incorporated in 1996, the City of Lakewood is now the second largest city in Pierce County, Washington. The City of Lakewood has prepared and updated this Comprehensive Plan as required by the Washington State Growth Management Act (GMA); per the GMA, it is based on a 20-year time horizon. The Plan will shape Lakewood's growth for the next two decades by:

- Defining the level, intensity, and geographic distribution of employment and residential growth.
- Identifying the needed improvements to public facilities, transportation, and utility infrastructure to service the projected levels of population and employment, along with proposed methods of finance.
- Identifying the housing needs and requirements for the community.
- Defining the desired physical development patterns and urban design treatments.

The 2024 Plan contains fifteen substantive Elements. There are also a number of Appendices providing additional technical, historical, and demographic data that inform and support the Elements. The Plan is a foundational document for the city, but it is also intended to be a living document that is updated over time to ensure it continues to guide improvements to the quality of life for all in Lakewood.

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# 1 Introduction

## 1.1 Overview

The City of Lakewood has prepared and adopted this 2024 Comprehensive Plan as required by the Washington State Growth Management Act (GMA) with a horizon year of 2044. The Lakewood 2024 Comprehensive Plan is consistent with state law, multicounty planning policies, and countywide planning policies and growth targets. It is also internally consistent among its fifteen elements and is the basis for the city's development regulations.

This Comprehensive Plan is also a reflection of the community's values and an expression of its vision for the future. Although there has been western development in the area for over one hundred years, Lakewood is a young city which incorporated in 1996. Extensive public outreach was conducted before and immediately after incorporation, during the development of the initial Comprehensive Plan, at the 2015 periodic update, and for the 2024 periodic update.

### VISION STATEMENT

*Lakewood is a thriving, urban, South Puget Sound City, possessing the core values of family, community, education, economic prosperity, and the equitable delivery of municipal services. We will advance these values by recognizing our past, taking action in the present, and pursuing a dynamic future.*

*The City Council's vision for Lakewood at its 30-Year Anniversary is a community:*

- *Inspired by its own sense of history and progress;*
- *Known for its safe and attractive neighborhoods, vibrant downtown, active arts and cultural communities;*
- *Sustained by robust economic growth and job creation;*
- *Recognized for the excellence of its public and private schools, and its community and technical colleges;*
- *Characterized by the beauty of its lakes, parks, and natural environment;*
- *Acknowledged for excellence in the delivery of municipal services;*
- *That actively cultivates, embraces, and continually strives to create a more inclusive community with the equitable delivery of City services; and*
- *Supportive of Joint Base Lewis McChord (JBLM), Camp Murray, service members and their families.*

Lakewood City Council, Adopted June 21, 2021

### **Lakewood Community Values (2015)**

- *Friendly and Welcoming Community*
- *High Quality Public Services, Educational Systems, Parks and Facilities*
- *Vibrant Connected Community Places Unique to Lakewood*
- *Strong Local Economy*
- *Sustainable and Responsible Practices*

Above all, this plan seeks to make Lakewood the kind of community where people are proud to live and work. This defining objective will be achieved through a variety of approaches, characterized into three broad themes:

- Controlling sprawl;
- Creating place; and
- Protecting the environment.

Following adoption in 2000, this Comprehensive Plan has been supplemented and implemented in large part through adoption of several programs, plans, and codes over time, including but not limited to:

- City biennial budgets;
- A zoning scheme and development regulations that are consistent with the Comprehensive Plan land use designations, reviewed annually;
- Subarea plans, development regulations, and State Environmental Policy Act (SEPA) planned actions for the Downtown, Station District, and Tillicum-Woodbrook subareas, reviewed periodically;
- A Critical Areas Ordinance (CAO), as defined by the GMA and updated per the state law schedule;
- A Shoreline Master Program (SMP) and Restoration Plan, updated per the state law schedule;
- A six-year transportation improvement program (TIP), updated annually;
- A non-motorized transportation plan (NMTP), updated periodically; and
- The Parks Legacy Plan, updated periodically.

Development regulations that apply to specific development proposals are based on the goals and policies contained in this Plan. When reviewing and commenting on a proposed development project, the planning staff and the decision-making body evaluate the proposal's conformance with specific planning goals and applicable policies. Since many planning issues, such as land use and transportation, are inextricably interrelated, the goals and policies of one element are likely to pertain to other elements as well.

## 1.2 Guide to the Document

As listed in the Table of Contents, the following Elements are included as part of the Plan:

- **Land Use** (LU);
- **Capital Facilities and Essential Public Facilities** (CF);
- **Economic Development** (ED);
- **Energy and Climate Change** (EC)<sup>1</sup>;
- **Housing** (HO);
- **Military Compatibility** (MC);
- **Natural Environment** (NE);
- **Parks, Recreation, and Open Space** (PR);
- **Public Services** (PS);
- **Subareas** (SA);
- **Transportation** (TR);
- **Urban Design** (UD);
- **Utilities** (UT); and
- **Implementation** (IM).

Each Element includes:

- An **Introduction** to the Element, which defines the scope and intent of the Element and its role in the Comprehensive Plan and city policy;
- A summary of **Background** information to support the policies included in the Element; and
- The **Goals and Policies** of the Element.

Note that in addition to these sections, a **Glossary** of terms used within the Comprehensive Plan is provided. There is also a supplemental Appendix with sections for many Elements that may include:

- Background and additional explanation regarding the Plan's goals and policies;
- Issues unique to Lakewood that affect how Plans goals and policies are developed and will be implemented; and
- Additional implementation action items.

The key components of the Comprehensive Plan are a series of Goals and Policies divided between the individual Elements:

<sup>1</sup> Please note that the Energy and Climate Change Element included in this document has been revised from the Element included in the previous Comprehensive Plan. Recent updates under [HB 1181](#) (2023) have made the inclusion of a Climate Change and Resiliency Element mandatory under RCW [36.70A.070](#)(9), and have included additional requirements. Compliance with the new statutory requirements will be met by June 30, 2029, as per RCW [36.70A.070](#)(10).

- A **Goal** is usually a broad statement of long-term aspiration that the city intends to achieve. They typically articulate the desired end state or the general policy direction for the city over time. They do not usually dictate how to achieve the outcomes but instead offer a guiding vision.
- A **Policy** is a specific guideline that directs decision-making to achieve the goals outlined in the Plan. Policies provide the framework for actions and decisions that the city needs to implement and are typically actionable and more precise. They can also include specific measures or standards to be met.

In addition to goals and policies, the Comprehensive Plan includes an **Implementation Strategy**. This includes specific actions that the city will likely pursue to implement the goals and policies, divided between different Elements. Although these are not as binding like Goals and Policies, they often define the ways that the city will take active steps to follow the Comprehensive Plan.

Supporting materials for the Comprehensive Plan also include the following:

- The **Background Appendix** serves as an addendum to the Comprehensive Plan document, providing further details to expand on the summaries in each Element. Its purpose is to highlight the findings from broader assessments used to develop Plan policies for future reference.
- The **Auditing Appendix** highlights the changes between the previous version of the Comprehensive Plan prior to the 2024 update and the language from the 2024 version. This provides not only a reference about how policies have changed as part of this periodic review, but also indicates the rationale for these changes and where new policies have been included.
- The **Checklist Appendix** includes documentation from the checklists required to indicate Plan compliance with requirements from the Puget Sound Regional Council (PSRC) and the Washington State Department of Commerce. These checklists indicate alignment with the Multicounty Planning Policies, the VISION 2050 Regional Growth Strategy, and state requirements under the Growth Management Act (GMA) and other statutes.
- The **Supplemental Environmental Impact Statement** and supporting materials are included to comply with the requirements under the State Environmental Policy Act ([Chapter 43.21C](#) RCW), as per WAC [365-196-620](#). This provides an evaluation of the expected impacts of the changes to the Comprehensive Plan, including a discussion of reasonable alternatives and mitigation measures to avoid or minimize adverse impacts.

## 1.3 Amendments and Review

The Comprehensive Plan can be considered an evolving document, and as such will need to be reviewed and revised over time to address updated information, changes in public interests, and adjustments to statutory requirements. Amendments to the Comprehensive Plan are typically managed under three different mechanisms:

- **Minor amendments** to the Comprehensive Plan are typically incorporated into the Plan on an annual basis. Typically, these amendments are reviewed and approved as a single docket.
- **Major periodic reviews** are incorporated every ten years under RCW [36.70A.130](#).

- **Emergency amendments** may be conducted under RCW [36.70A.130](#)(2)(b) and WAC [365-196-640](#)(4), typically in response to an immediate risk to public health or safety.

Note that whenever the Comprehensive Plan is amended, it is essential to confirm consistency to prevent conflicts:

- The Comprehensive Plan should be consistent with all applicable statutes, as well as the Multicounty and Countywide Planning Policies;
- The Plan should be internally consistent with itself, with no contradictions or unintended effects between existing and changed policies; and
- Development regulations should be consistent with the Comprehensive Plan and revised to implement the policies of the Plan as written.

Proposed changes to the Comprehensive Plan are reviewed by the Planning Commission and then decided upon by the City Council.

In addition to this process, the city is also required under RCW [36.70A.130](#) to submit an implementation progress report on key outcomes five years after a major periodic review. In Lakewood, this progress report will be due in 2029. This may result in an expanded set of changes to be made to the Comprehensive Plan to maintain compliance with state requirements.



# 2 Land Use and Maps

## 2.1 Introduction

The Land Use Element sets the stage in Lakewood for a balanced allocation of land for housing, commerce, industry, recreation, transportation, open space, cultural resources, and other uses. It accommodates residential and commercial growth; in some areas, housing and commercial development may be interwoven where they can mutually benefit one another. Elsewhere, different land uses may remain discrete to meet other goals.

The land-use chapter is organized topically. Included Goals and policies will be realized through the city's implementation strategies, including future sub-area planning, technical area planning, design and development regulations, the process of development review, and other such methods. This element includes a copy of the official Lakewood Land Use Designations Map designating the city's future land uses. It also contains:

- Lakewood's Land Use Zoning Map;
- The Puget Sound Regional Council (PSRC) Designated Lakewood Regional Urban Growth Center Map;
- Lakewood's Centers of Municipal Importance (CoMIs) Map; and
- Lakewood's Urban Growth Areas Map.

Together, these maps graphically represent the land-use element's policies and tie together the Comprehensive Plan's various elements.

## 2.2 Background

### 2.2.1 Land Use Considerations

Lakewood incorporated in 1996; however, it incorporated as an extensively developed, mature community. The majority of privately held properties within the city boundaries are developed and improved. The overall infrastructure network, including transportation, utilities, and open space is largely in place with several notable exceptions. Most future population and employment growth will occur as the result of urban infill and redevelopment of existing properties.

The city recognizes the need to refine its land use patterns over time to:

- Promote economic development;
- Provide for the housing needs of a diverse existing and future population at all economic levels;
- Maximize and guide the use of existing and future infrastructure investments;

- Protect critical and environmentally sensitive areas; and
- Plan for climate change and resiliency.

From this need, the city provides an overarching land use strategy that:

- Focuses future development where it is required per state law, but also where it is best served by motorized and active transportation;
- Reinforces the health of commercial sectors; and
- Provides a broad spectrum of quality housing with sufficient stock affordable to all economic segments to meet growth targets.

Recreation and open space will become increasingly prized assets needed to support a larger population's quality of life as well as larger commercial and industrial bases. Public open space will become critical in preserving Lakewood's visual character and as recreational amenities for Lakewood's families as well as for wildlife. Better connections are needed between these "landed" resources and improved access is needed to public lands and waters for Lakewood's population.

Each of the land-use designations depicted on the official 2024 Land Use Designations Map are described in the Goals and Policies of this element. These reflect significant changes to Lakewood's residential designations that were in place prior to the 2023 GMA updates requiring the city to allow multiple middle housing and/or accessory dwelling units (ADUs) per lot in areas of historically single-family land use.

## **2.2.2 Land Use Designations**

The official Lakewood Land Use Designations Map is foundational to the city's Comprehensive Plan. Considerations in the development of the Land Use Designations Map included:

- The general distribution and location of existing land uses;
- Population, housing unit, and employment growth targets;
- Appropriate intensities and densities of land uses given current development trend;
- Protection of critical and environmentally sensitive areas;
- Protection of the quality and quantity of public water supplies;
- The efficient provision of public services, including available utilities and urban services provided by third party entities;
- Management of stormwater runoff; and
- Costs and benefits of growth.

The Land Use Designations Map establishes broad categories of land use ("designations") that are further defined at parcel-level distinctions in the Zoning Map and regulated by the Municipal Code development regulations. It serves as the principal guide for elected officials in making decisions about the need for, and the locations of, public services, utility systems, transportation routes, and other capital facilities. The LUDM is also referenced by city staff, consultants, private citizens, developers, and others interested in the city's future as they make decisions about where to live, work, invest, and conduct business.

Land Use Designations are used in conjunction with the Comprehensive Plan's written goals and policies, which reflect how the community wishes to implement its vision for the city, its goals and objectives for land use, and other related elements of the Plan.

The table in Exhibit 2-1 below summarizes which land use zones in the Lakewood Municipal Code implement the city's various land use designations. Exhibit 2-2 provides the LUDM for the Comprehensive Plan, while Exhibit 2-3 includes the zoning map provided as part of city zoning under LMC [18A.10.150](#).

In addition, Exhibit 2-4 provides major overlays used by the city in defining areas for specific land use regulation in the city. This includes the Residential/Transit Overlay, the Senior Housing Overlay, the Sexually Oriented Business Overlay, and areas with potential constraints related to flood risk.

Descriptions of the city's land use zones and the allowed uses within each zone are included in LMC [18A.10.120](#) (for the city overall), as well as Title [18B](#) LMC (for the Downtown Subarea) and Title [18C](#) (for the Station District Subarea).

### **2.2.3 On-Street Parking Safety**

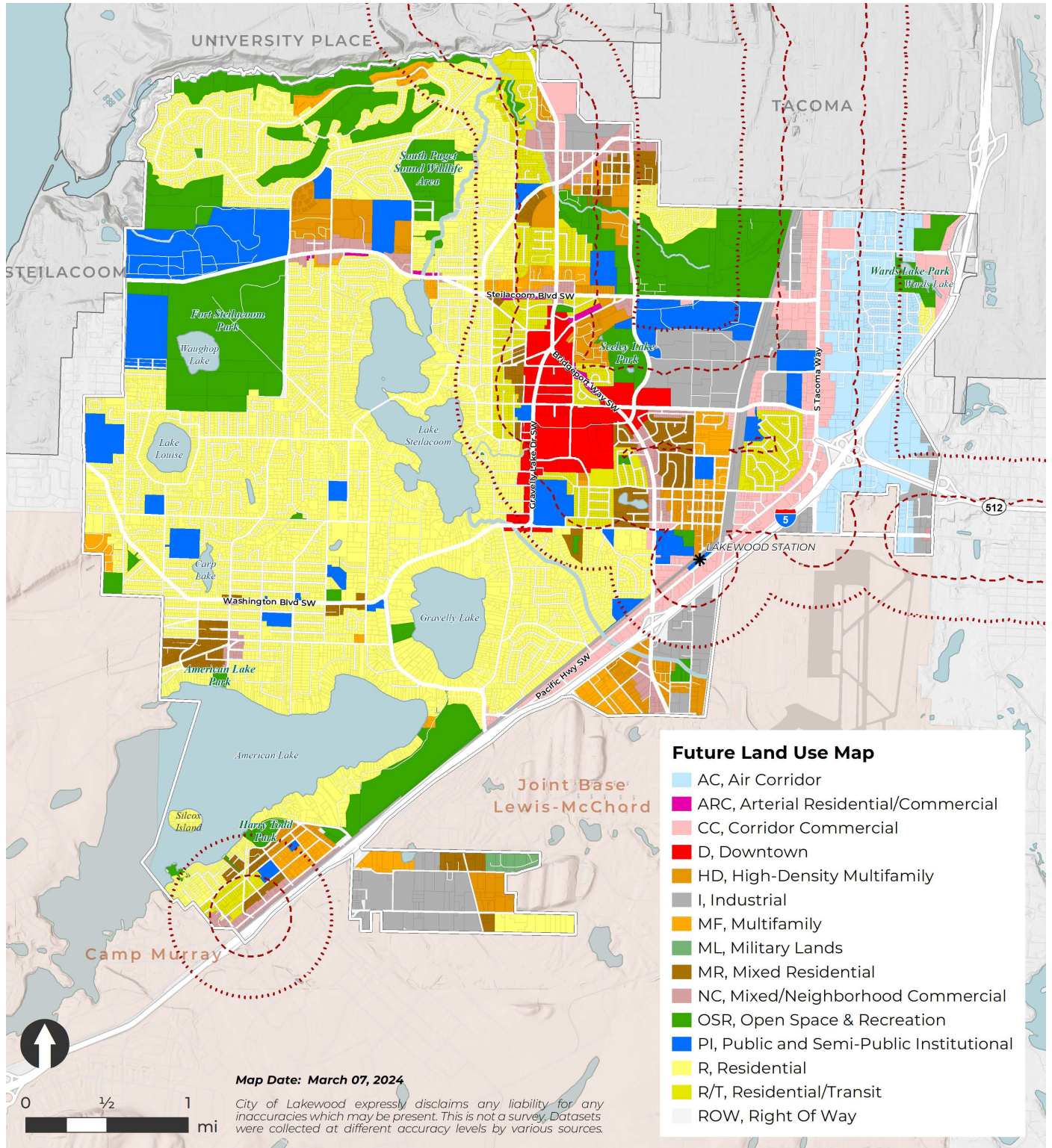
Under recent changes to state law, requirements under RCW [36.70A.635\(6\)](#) and [36.70A.681\(2\)](#) have mandated maximum parking minimums that cities can impose for middle housing and ADUs. These requirements are dependent on proximity to transit, lot sizes, and the types of houses, but a major concern is that these changes could increase on-street parking demand, potentially leading to significant safety issues. In certain locations, safety risks could occur on roadways not designed for on-street parking such as narrow local roads without curbs where parked vehicles could reduce sight distances, increase dooring collision risks for cyclists, and restrict space for two-way traffic.

To support future efforts to manage available parking and ensure traffic safety, Exhibit 2-5 provides an evaluation that identifies parcels where additional ADUs would be allowed without additional parking, but sufficient on-street parking is not available within 300 feet given the current width of the right-of-way. In these areas, additional work should be performed to ensure that if lower parking requirements are in place that there are

**Exhibit 2-1. Lakewood Land Use Designations and Zoning.**

Land Use Designation	Land Use Zoning District
<b>Air Corridor 1 (AC1)</b> <b>Air Corridor 2 (AC2)</b>	<ul style="list-style-type: none"> <li>▪ Clear Zone (CZ)</li> <li>▪ Air Corridor 1 (AC1)</li> <li>▪ Air Corridor 2 (AC2)</li> </ul>
<b>Arterial Corridor (ARC)</b>	<ul style="list-style-type: none"> <li>▪ Arterial Residential/Commercial (ARC)</li> </ul>
<b>Corridor Commercial (CC)</b>	<ul style="list-style-type: none"> <li>▪ Transit-Oriented Commercial (TOC) <i>(within Lakewood Station District)</i></li> <li>▪ Commercial 1 (C1)</li> <li>▪ Commercial 2 (C2)</li> <li>▪ Commercial 3 (C3)</li> </ul>
<b>Downtown</b>	<ul style="list-style-type: none"> <li>▪ Central Business District (CBD)</li> </ul>
<b>High-Density Multifamily (HD)</b>	<ul style="list-style-type: none"> <li>▪ Multifamily 2 (MF2)</li> <li>▪ Multifamily 3 (MF3)</li> </ul>
<b>Industrial (I)</b>	<ul style="list-style-type: none"> <li>▪ Industrial Business Park (IBP)</li> <li>▪ Industrial 1 (I1)</li> <li>▪ Industrial 2 (I2)</li> <li>▪ Industrial 2 (I2)</li> </ul>
<b>Public and Semi-Public Institutional (PI)</b>	<ul style="list-style-type: none"> <li>▪ Public Institutional (PI)</li> </ul>
<b>Multifamily (MF)</b>	<ul style="list-style-type: none"> <li>▪ Multifamily 1 (MF1)</li> </ul>
<b>Military Lands (ML)</b>	<ul style="list-style-type: none"> <li>▪ Military Lands (ML)</li> </ul>
<b>Mixed Residential (MR)</b>	<ul style="list-style-type: none"> <li>▪ Mixed Residential 1 (MR1)</li> <li>▪ Mixed Residential 2 (MR2)</li> </ul>
<b>Neighborhood Business District (NBD)</b>	<ul style="list-style-type: none"> <li>▪ Neighborhood Commercial 1 (NC1)</li> <li>▪ Neighborhood Commercial 2 (NC2)</li> </ul>
<b>Open Space and Recreation (OSR)</b>	<ul style="list-style-type: none"> <li>▪ Open Space and Recreation 1 (OSR1)</li> <li>▪ Open Space and Recreation 2 (OSR2)</li> </ul>
<b>Residential (R)</b>	<ul style="list-style-type: none"> <li>▪ Residential 1 (R1)</li> <li>▪ Residential 2 (R2)</li> <li>▪ Residential 3 (R3)</li> <li>▪ Residential 4 (R4)</li> </ul>
<b>Residential/Transit (R/T)</b>	<ul style="list-style-type: none"> <li>▪ Residential 2/Transit (R2/T)</li> <li>▪ Residential 3/Transit (R3/T)</li> <li>▪ Residential 4/Transit (R4/T)</li> </ul>

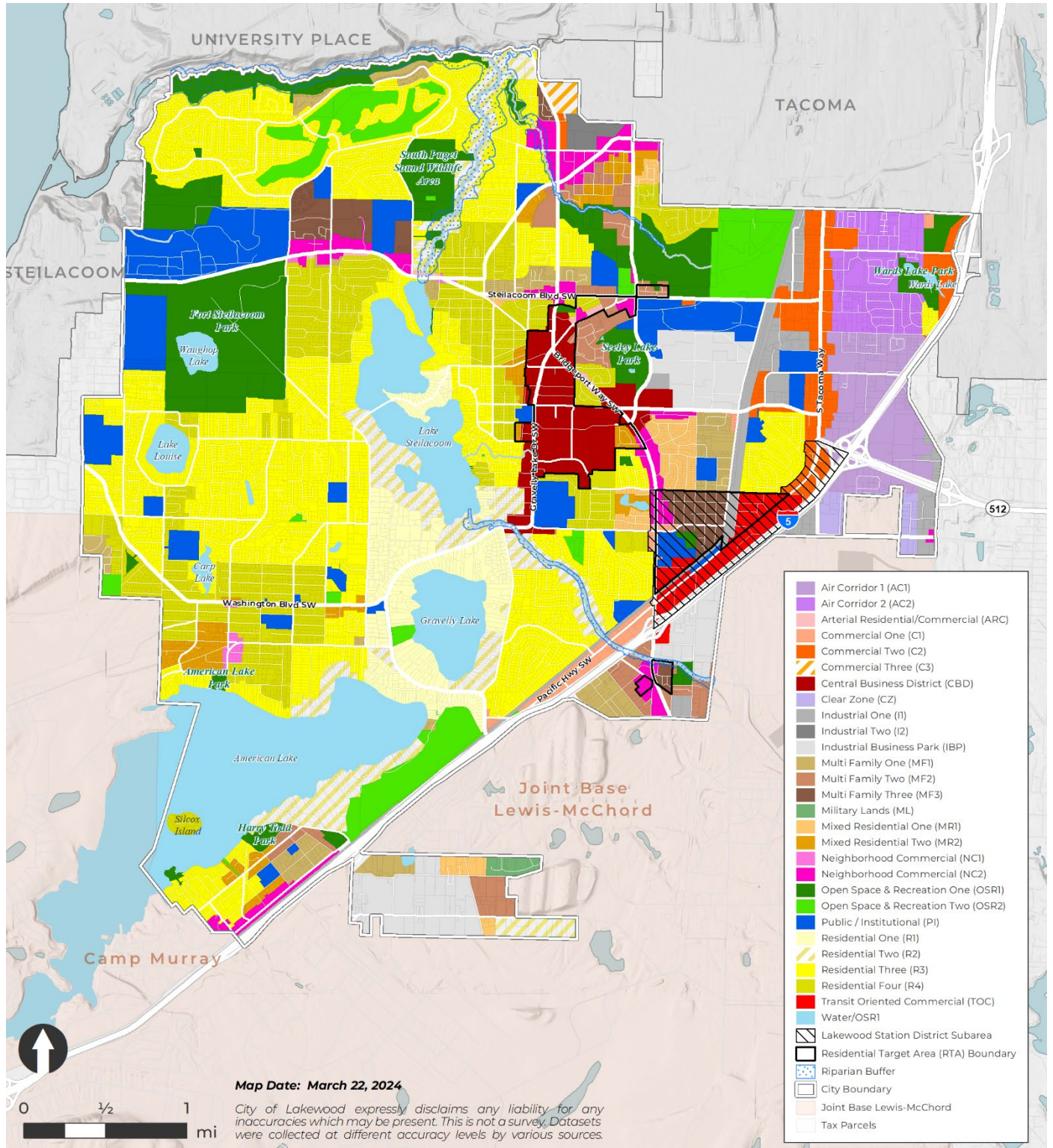
**Exhibit 2-2. Lakewood Land Use Designations Map.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



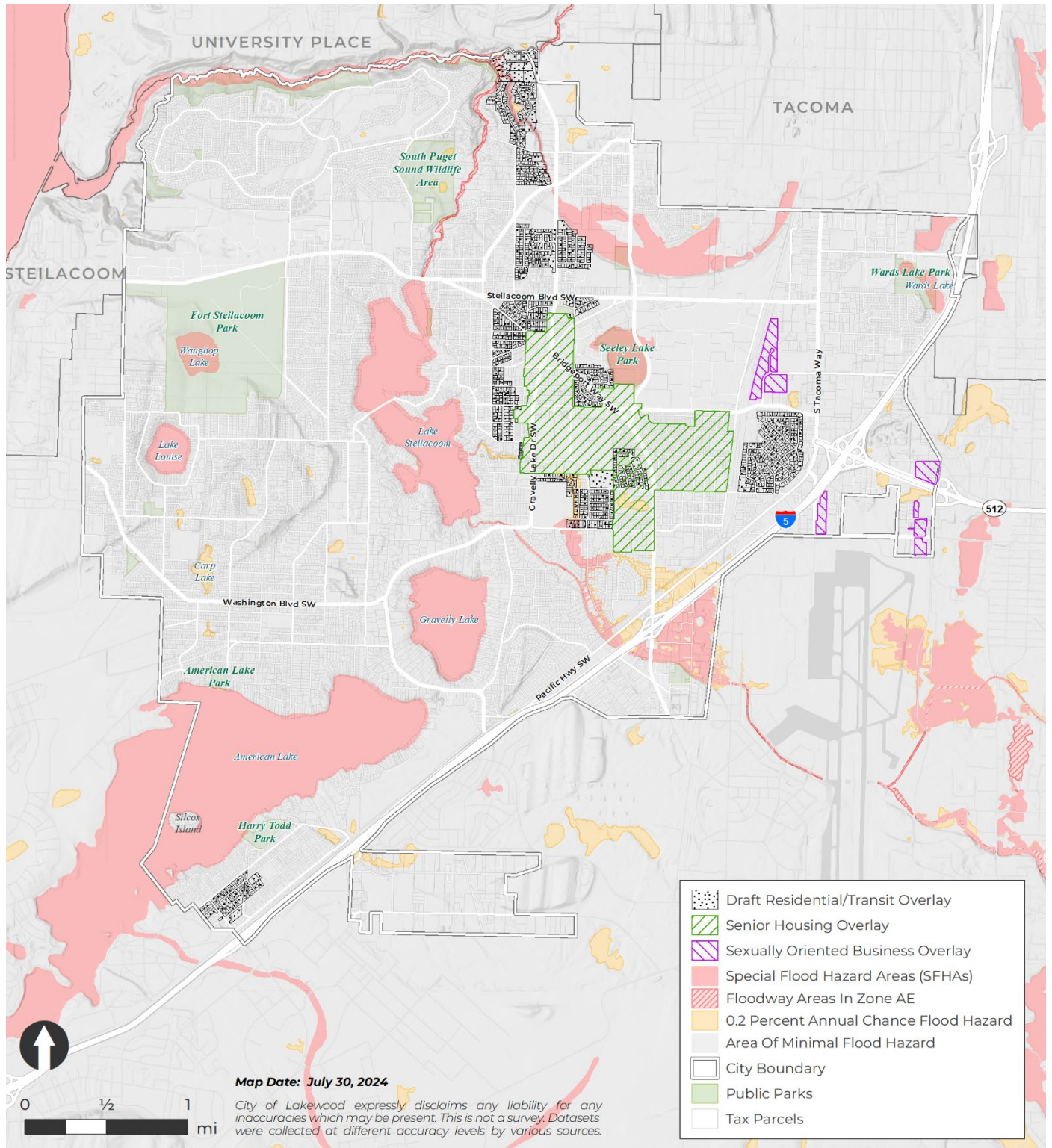
**Exhibit 2-3. Lakewood Zoning Map.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

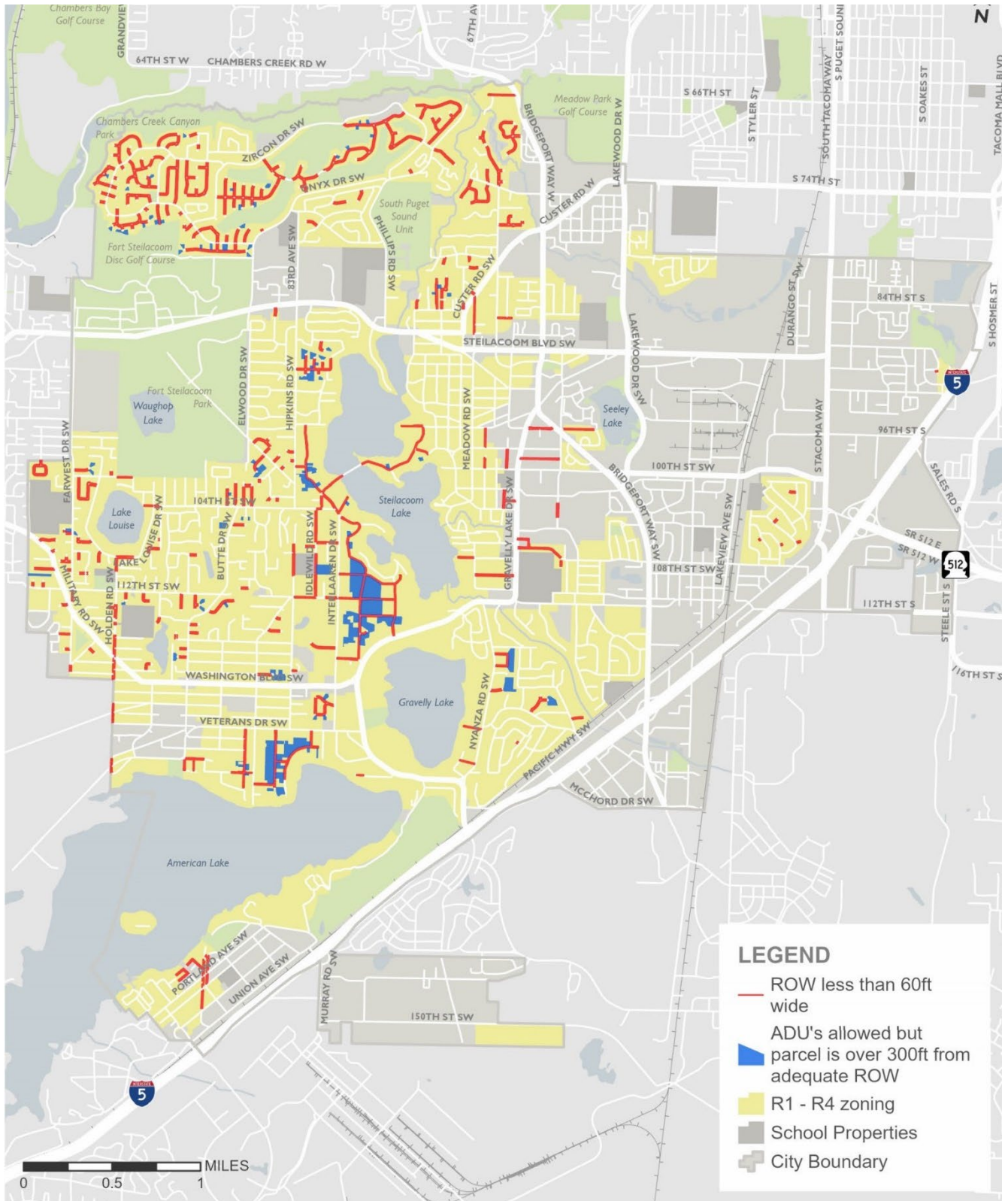


**Exhibit 2-4. Lakewood Overlay Map.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

### Exhibit 2-5. Parcels of Concern for On-Street Parking Safety Issues.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



## 2.2.4 Air Installation Compatibility

Lakewood's Air Corridor 1 and 2 land use zones, which represent about 5% of the city's total acreage, currently encompass 1,832 housing units that do not conform to the safety guidelines outlined in the Accident Potential Zones (APZ) I & II of North McChord Airfield at Joint Base Lewis McChord. According to the Department of Defense's [2015 JBLM Air Installation Compatibility Use Zone \(AICUZ\) Report](#), the residential densities in the AC1, AC2, and CZ zones greatly exceed those advised for compatibility with JBLM operations. The report highlights that generally, residential uses in these areas conflict with the defined accident potential. Detached single-family homes with densities of one to two units per acre may be acceptable under specific conditions in APZ II, however.

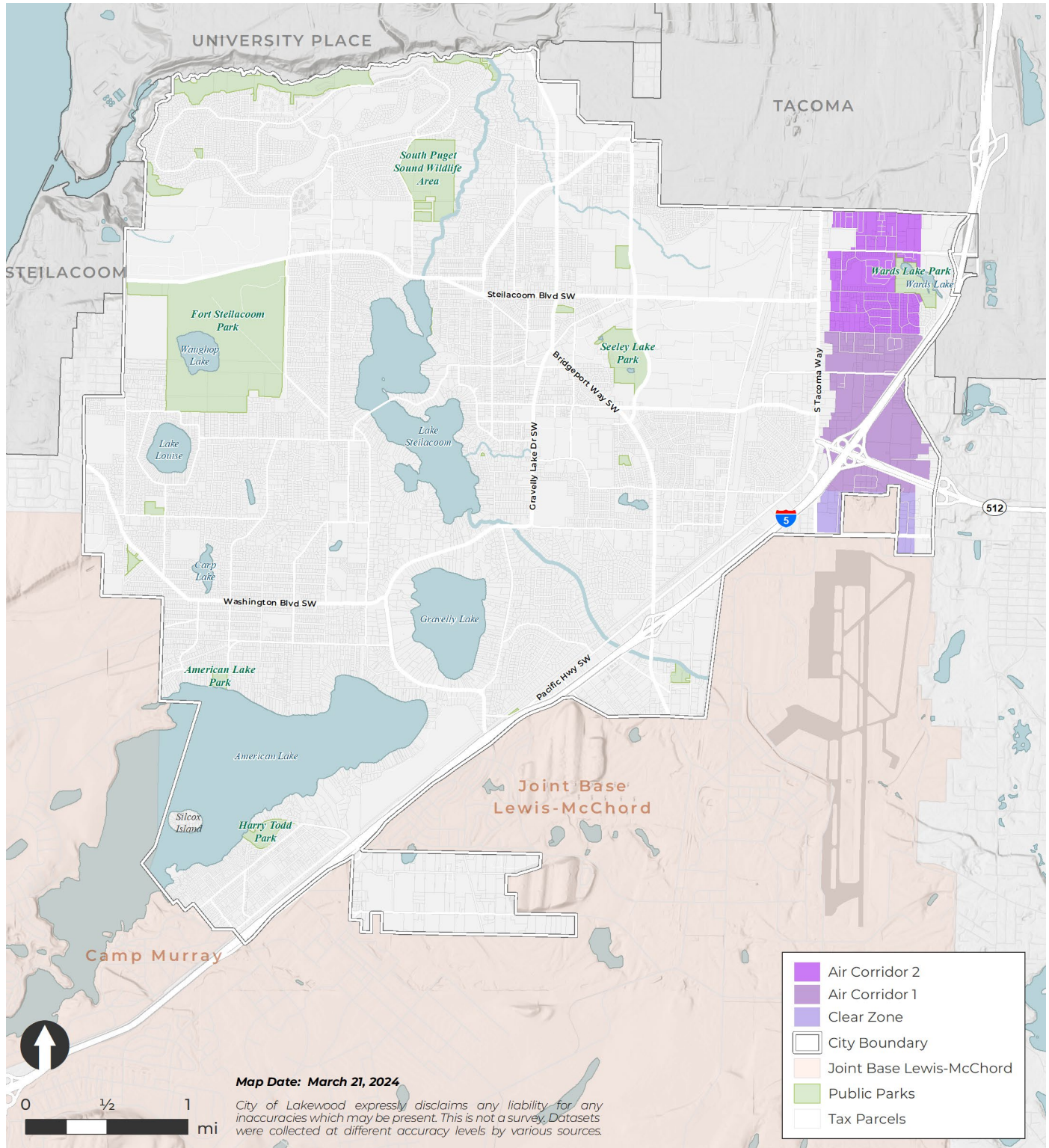
In response, Lakewood plans to transition these areas from non-conforming residential uses to low-density, non-residential uses to align with Department of Defense and FAA air safety regulations, state law, and PSRC policies. The impacted areas are identified in Exhibit 2-6.

This action will involve consideration of:

- RCW [36.70A.530\(3\)](#), which guides against developments near military installations that could hinder their operational capabilities;
- RCW [43.330.515](#) and [520](#), which address incompatible developments around military bases; and
- [VISION 2050 Policy](#) MPP-DP-49, which aims to protect military lands from encroaching incompatible developments.

Overall, this will involve gradually relocating the 1,832 nonconforming units from the AC1, AC2, and CZ zones to other parts of Lakewood, in addition to accommodating future residential growth.

**Exhibit 2-6. Lakewood Air Corridors.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## 2.2.5 Future Growth Capacity

Land use planning is crucial for managing the future growth of Lakewood to consider community health and sustainability. The LUDM indicates the expected use of urban spaces and underlies the Comprehensive Plan overall, strategically directing growth and investment for the next 20 years.

What is essential, however, is to ensure that the Plan provides sufficient capacity to accommodate future growth. Pierce County has provided targets based on the VISION 2050 Regional Growth Strategy from the PSRC as part of Countywide Planning Policies (CPPs)<sup>2</sup>. These targets include accommodating the following growth by 2044:

- An additional 9,378 housing units;
- An additional 9,863 jobs; and
- An additional 574 emergency housing units.

Note that the Housing Element in Chapter 6 provides more details about the housing required by type and target household income, and the Economic Development Element in Chapter 4 reviews some considerations about necessary development to support employment.

An evaluation of data from the 2020 Buildable Lands Report has been used to assess the ability for Lakewood to accommodate this future growth. This has been updated to account for recent growth, changes in allowable residential densities, and other changes to permitted development. Additional details for this analysis are provided in Appendix A.

Exhibit 2-7 provides a comparison between the growth necessary to achieve targets under the current CPPs and the assessed capacity to meet these growth demands. Based on the assumptions of the assessment, the current growth capacity under the LUDM will be sufficient to accommodate both residential and employment growth in the city over the next 20 years. There is also sufficient capacity to provide flexibility in accommodating the shape of future growth, such as preferences for development in certain areas of the city or for certain types of housing.

**Exhibit 2-7. Lakewood Growth Targets and Capacity, 2020–2044.**

	2020 Conditions	2044 Targets	Expected Growth 2020-2044	Growth Capacity
<b>Population</b>	63,612	86,792	+23,180	40,922*
<b>Jobs</b>	29,872	39,735	+9,863	15,238
<b>Housing</b>	26,999	36,377	+9,378	17,488
<b>Emergency Housing</b>	8	582	+574	**

\* Housing capacity calculations assume 2.34 persons per household.

\*\* Assessments indicate sufficient sites are available for emergency housing.

Sources: Pierce County, 2023; US Census Quick Facts, 2023.

<sup>2</sup> See [Appendix A](#) of the Pierce County CPPs, and Ordinances 2022-46s and 2023-22s.

## 2.2.6 Management Areas

Within the city, there are several areas that are subject to different policies based on their function, importance, and needs. These include the following:

### Lakewood Regional Urban Growth Center

As shown in Exhibit 2-8, Downtown Lakewood includes a PSRC Regional Growth Center as defined by the Multicounty Planning Policies (MPPs) in the [VISION 2050](#) Regional Growth Strategy. These areas are provided additional funding priority from the PSRC for transportation and economic development funding, but as such are subject to certain requirements, including<sup>3</sup>:

- Planned densities of at least 45 activity units (AUs; jobs plus residents) per acre;
- A minimum mix of at least 15% planned residential and employment activity;
- Residential and employment growth targets that accommodate a significant share of the city's growth;
- Existing or planned fixed route bus, regional bus, Bus Rapid Transit (BRT), or other frequent and all-day bus service.
- Evidence of a regional role and future market demand to support growth.

### Subarea Plans

The boundaries for the three current subarea plans that are in place in the city are included in Exhibit 2-9. Subarea plans are both regulatory plans and visionary documents to guide development within an individual neighborhood. This can allow for the development of more detailed policy and planning guidance to address specific considerations that may not be relevant or applicable to the remainder of the city.

As of 2024, the city has three active subarea plans, two of which are accompanied by development regulations and SEPA Planned Action Ordinances:

- 2018 Downtown Subarea Plan (with Planned Action);
- 2021 Station District Subarea Plan (with Planned Action); and
- 2024 Tillicum-Woodbrook Subarea Plan.

More details about these areas are provided in Chapter 11 (Subareas).

### Centers of Municipal Importance

Centers of Municipal Importance (CoMIs) in the city are shown in Exhibit 2-10. These areas have been established to identify local centers in line with the VISION 2050 MPPs, promoting compact, pedestrian-friendly environments, diverse services, and various housing options, or as part of established industrial zones.

<sup>3</sup> See the PSRC [2018 Regional Centers Framework](#) for more information.

The areas currently designated as CoMIs include the following:

- **Tillicum.** The Tillicum neighborhood is a compact, walkable community with a distinct identity, which has evolved as a more isolated community outside the main gates of Joint Base Lewis-McChord and Camp Murray. The area is primarily accessed via I-5 and includes civic, commercial, and recreational amenities including the Tillicum Community Center, Tillicum Elementary School, Thornewood Castle, and Harry Todd Park. It has a strong sense of place and serves as a gathering point for both neighborhood residents and the larger region with regard to the resources it provides for military facilities and as well as access to American Lake.
- **Fort Steilacoom/Oakbrook.** Fort Steilacoom/Oakbrook is a region steeped in history and state-wide relevance, with significant facilities like Western State Hospital and Pierce College built on the lands of the historic Fort Steilacoom. This area includes diverse civic services, major shopping centers, and extensive recreational and cultural resources such as Fort Steilacoom Park and the Fort Steilacoom History Museum.
- **Custer Road/Walmart.** The Custer Road/Walmart area has emerged as a significant urban node, with prominent commercial businesses such as Wal-Mart and H and L Produce, supported by industrial and residential zones that accommodate growth. This center benefits from its proximity to natural features as well as Custer Road, is a principal arterial street that serves as a major corridor in the area.
- **Lakewood Industrial Park/CPTC.** Marked by intense industrial and educational activity, the Lakewood Industrial Park and Clover Park Technical College area hosts multiple civic services and industrial businesses, contributing robustly to Lakewood's economy. The area is well-equipped with facilities designed to support its 3,400 students and over 1,250 employees across sixty-four businesses, fostering a dynamic environment for industrial and educational growth.
- **South Tacoma Way.** South Tacoma Way, once part of State Route 99, has evolved into Lakewood's most dynamic commercial district and a budding "International District." Home to diverse businesses and cultural centers like the Star-Lite Swap Meet and Paldo World, it reflects the area's growth and adaptation to urban demands while retaining its historical significance.
- **Springbrook.** Springbrook is a key community because of its proximity to Joint Base Lewis-McCord, denser residential development, important community facilities like Springbrook Park, and various commercial uses. The area has seen infrastructure enhancements like new water lines to support its growth, with a focus on maintaining its vibrancy and residential appeal amidst industrial zoning shifts.
- **Woodbrook.** Woodbrook is recognized for its recent expansions in industrial and warehousing activities, infrastructure upgrades, and future planned developments, which has bolstered its status as a major industrial node. This has been tempered by the proximity to existing housing, including lower-income housing options, which will be an ongoing planning consideration.
- **Lake City West.** Lake City West is adjacent to Joint Base Lewis-McCord's North Gate and has become a critical traffic corridor with new residential developments, schools, and military facilities reshaping its landscape. This expansion has not only increased the residential and military presence but also significantly impacted local traffic flow as well as the need for planning in the area.



## Urban Growth Area

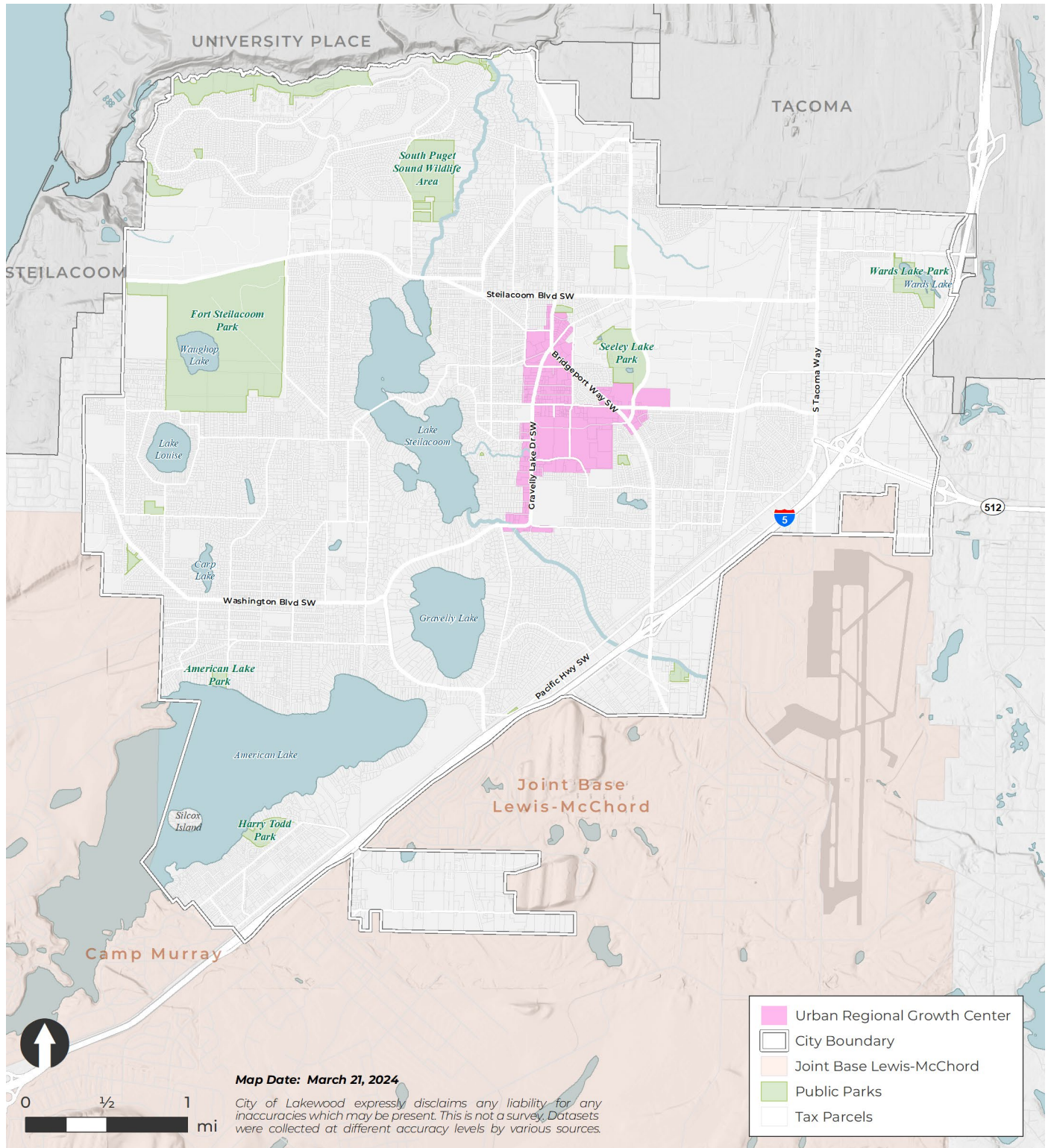
The Urban Growth Area (UGA) boundaries included in Exhibit 2-11 show the potential areas that could be incorporated within the City over the next 20 years. As per RCW [36.70A.110](#), jurisdictions may not annex additional area unless it falls within these Areas, and the UGA can be provided with urban levels of service for public services and facilities such as police, water, and sewer.

The city's current UGA includes the following two main areas:

- **Lakewood UGA.** The UGA that is applicable to the City of Lakewood alone currently includes Camp Murray, which is part of the Washington Military Department, and the urban areas of Joint Base Lewis McChord. As these lands are currently under state and federal jurisdiction, incorporating these areas into the city would not result in significant changes in administration and are not favored by the applicable agencies. Additional information is available in the Appendices.
- **Lakewood Steilacoom Combined UGA (CUGA).** An unincorporated neighborhood known as Arrowhead-Partridge Glen is located between the City of Lakewood and the Town of Steilacoom, is considered a joint UGA between the city and town. At present, there are no plans for annexation, as the development that could be supported in these areas and challenges with providing additional servicing would result in net costs to either Lakewood or Steilacoom. Additional information is available in the Appendices.

The UGA and CUGA designations therefore provides a means for the city to provide urban services, but there are no current plans to incorporate lands in either of these areas into the city or accommodate any of the identified growth targets in these areas.

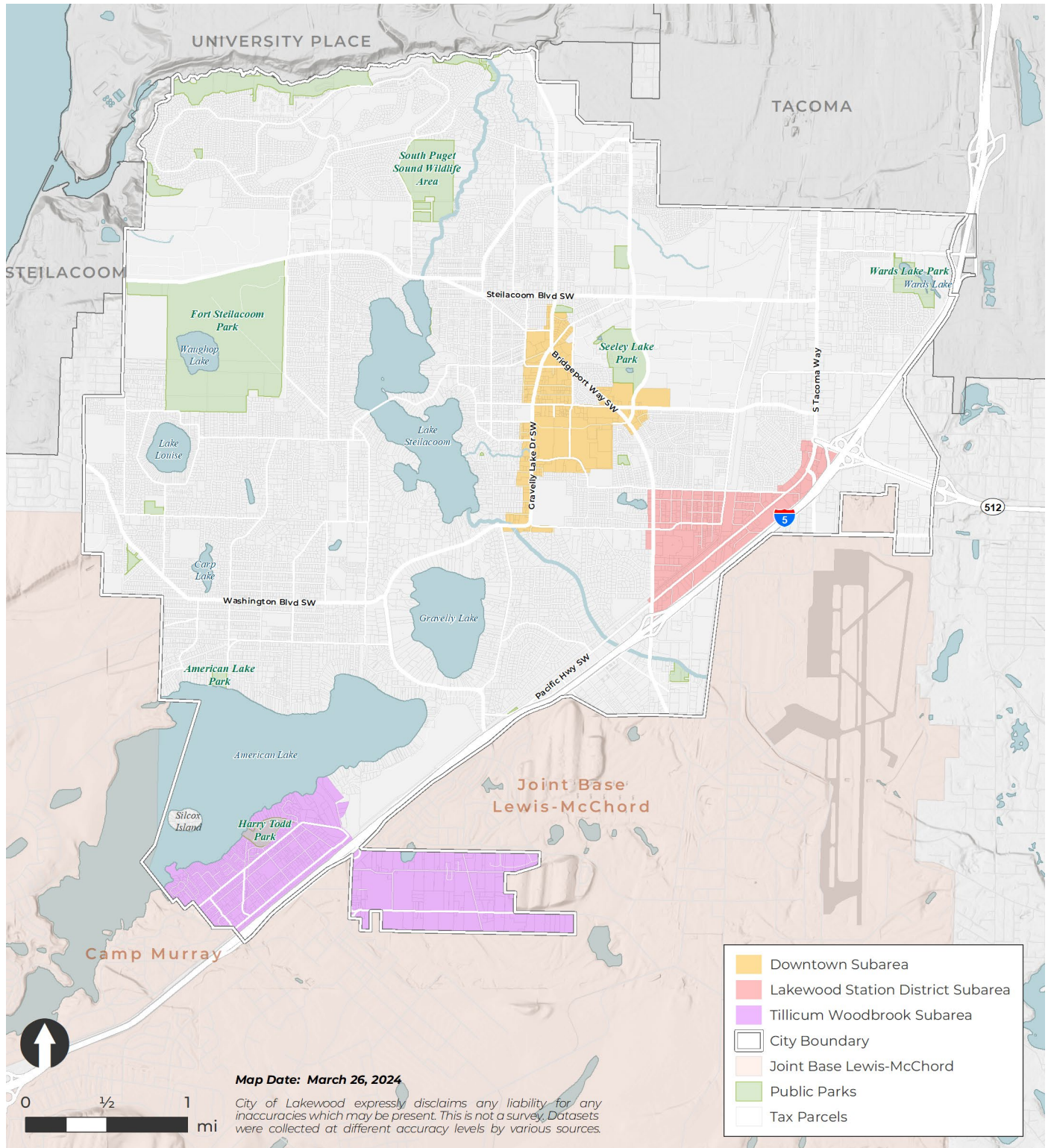
**Exhibit 2-8. Lakewood Regional Urban Growth Center Map.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



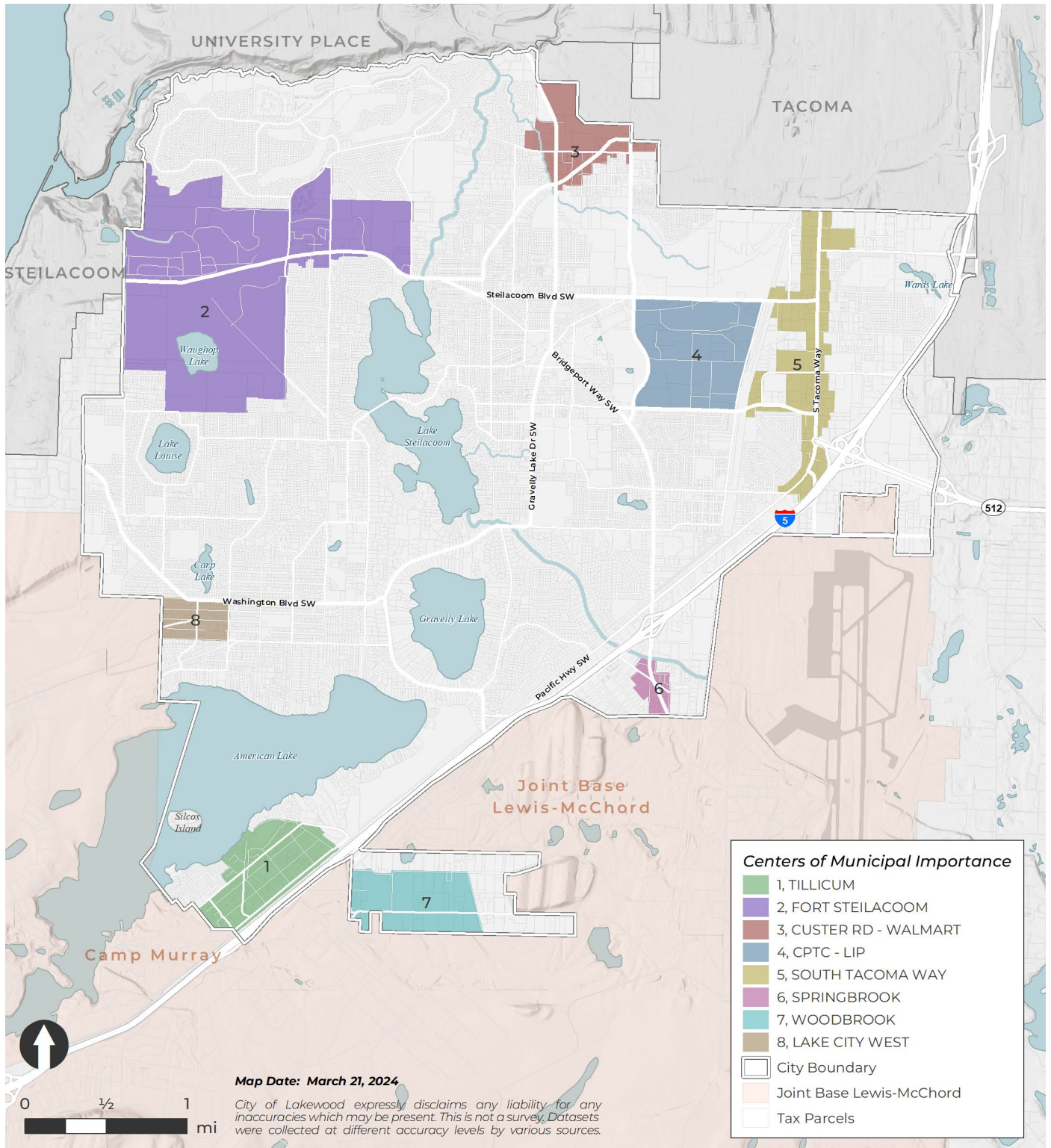
**Exhibit 2-9. Lakewood Subareas Map.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



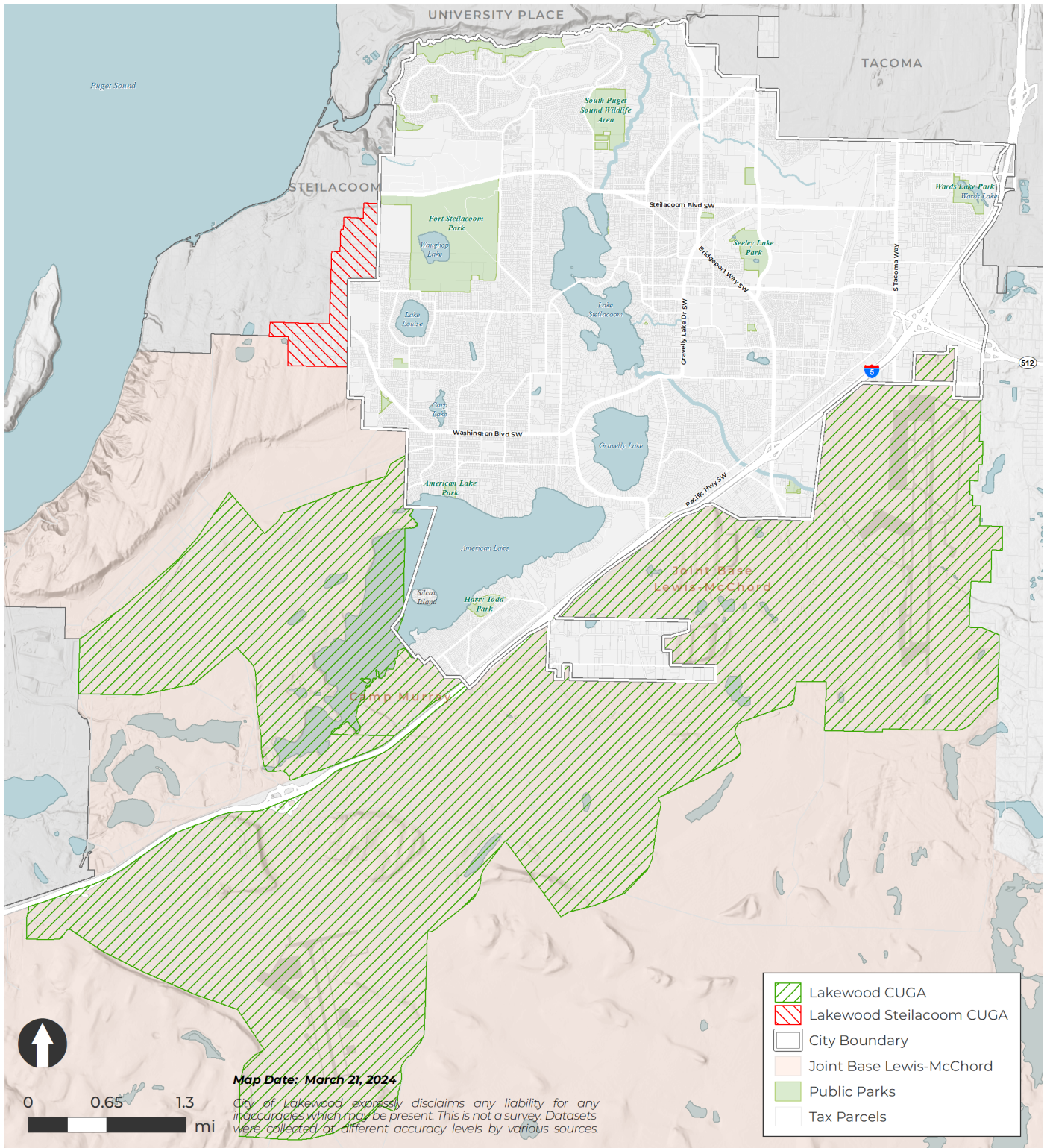
**Exhibit 2-10. Lakewood Centers of Municipal Importance (CoMIs).**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



**Exhibit 2-11. Lakewood Urban Growth Area.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## 2.3 Goals and Policies

### **/ LU-1 Maintain consistency with the land use policies and targets of the PSRC Multicounty Planning Policies and Regional Growth Strategy and the Pierce County Countywide Planning Policies.**

LU-1.1 Plan to a 2044 population target of 86,792 residents and a housing target of 36,713 units for the city.

LU-1.2 Plan to a 2044 employment target of 39,735 jobs in the city.

LU-1.3 Ensure that land use planning is coordinated and consistent with the methodologies utilized by Pierce County and the PSRC, particularly in the achievement of the specified targets.

### **/ LU-2 Maintain sufficient supplies of available land and systems that can support future growth.**

LU-2.1 Ensure the availability of sufficient land capacity to meet both regional and county-level municipal growth projections and targets.

LU-2.2 Maintain efficient permitting processes and development standards to help accommodate future growth.

LU-2.3 Partner with WA Department of Ecology, Tacoma-Pierce County Health Department, and other agencies to track contaminated properties and brownfields in the City.

LU-2.4 Regulate contaminated properties as required for public health and safety while encouraging their redevelopment for appropriate activities based on zoning.

### **/ LU-3 Support efficient development patterns that minimize land use conflicts and promote healthy neighborhoods through consistent land use designations.**

LU-3.1 Adopt and administer land use development regulations consistent with the Land Use Designations Map.

#### **Residential**

LU-3.2 **Residential (R).** The Residential designation refers to areas that support high-quality urban residential neighborhoods in the city. These areas typically allow a variety of housing types, with scales and densities based on the ability of these areas to support development:

- **Residential Low** areas primarily consist of larger residential lots where environmental factors would prevent more intensive development. This includes environmentally sensitive areas where development may impact lakes, creek habitat and Lakewood Water District wellheads. This corresponds to the R-1 zoning designation.
- **Residential Medium** areas accommodate a range of detached and attached housing types, including middle housing, accessory dwelling units (ADUs), and smaller- and

moderate-scale multi-family housing. This corresponds to areas in the R-2 and R-3 zones and includes housing across most of the city.

- **Residential High** areas accommodating single-family, middle housing, ADUs, and smaller- and moderate-scale multi-family housing with greater densities and smaller lot sizes. These areas are typically allocated in neighborhoods where housing on individual lots is expected, but the area includes supporting infrastructure, amenities, and services that allow for higher-density development. This corresponds to R-4 zones in the city.

LU-3.3 **Residential/Transit (R/T).** The Residential/Transit designation identifies areas designated as Residential but are expected to be found within ¼ mile of a major transit stop, including stops for bus rapid transit (BRT) and commuter rail, over the next 20 years. These areas allow for increased residential densities beyond what is allowed under Residential designations for locations once service is available.

LU-3.4 **Mixed Residential (MR).** The Multifamily designation supports a mix of low- and moderate-density housing options that provides a variety of options for diverse families and lifestyles. This designation represents a transition to areas that include a greater amount of multifamily housing on larger lots

LU-3.5 **Multifamily (MF).** The Multifamily designation supports moderate-density housing that provides a variety of options for diverse families and lifestyles. These areas include urban design elements like open spaces and pedestrian-friendly layouts and are integrated with surrounding neighborhoods.

LU-3.6 **High-Density Multi-Family (HD).** The High-Density Multi-Family designation supports denser medium- to high-density housing with urban design features that enhance living environments and support pedestrian and non-motorized transportation access. These areas are intended to connect with business districts, transit hubs, and other neighborhood centers that provide amenities and services.

### **Commercial and Mixed-Use**

LU-3.7 **Mixed/Neighborhood Commercial (NC).** The Neighborhood Commercial designation provides a concentrated mix of activities, including retail and other local services, residential, and some office uses, that provide a focus for a neighborhood.

LU-3.8 **Residential-Commercial/Arterial (ARC).** The Arterial Residential-Commercial Corridor designation provides areas for residential neighborhoods and lower-intensity, non-nuisance business uses adjoining principal and minor arterial streets.

LU-3.9 **Commercial/Corridor (CC).** The Corridor Commercial designation features employment, services, retail, and business/light industrial uses linked to access to major transportation networks.

LU-3.10 **Downtown (D).** The Downtown Subarea designation is the primary retail, office, social, urban residential, and government center of the city that provides a complementary, interactive mixture of uses and urban design and reflects its status as a Regional Urban Growth Center.

### **Industrial**

LU-3.11 **Industrial (I).** The Industrial designation provides for regional research, manufacturing, warehousing, concentrated business/ employment parks, and other major regional employment uses. These lands are planned for the necessary transportation and utility infrastructure needs, and to minimize encroachment by incompatible land uses.

### **Public, Institutional, and Government**

LU-3.12 **Open Space and Recreation (OSR).** The Open Space and Recreation designation provides public open spaces and recreational uses such as state and municipal parks, preserves, and trails, as well as privately owned facilities such as golf courses, Lakewold Gardens, and cemeteries.

LU-3.13 **Public and Semi-Public Institutional (PI).** The Public and Semi-Public Institutional designation provides dedicated areas in the city for large- and moderate-scale government and institutional uses.

LU-3.14 **Military Lands (ML).** The Military Lands designation applies to federal and state-owned military lands within the city's boundaries. The federal and state control of military installations and unique character of military operations require special consideration by the city as a host community.

### **Special**

LU-3.15 **Air Corridor (AC).** The Air Corridor designation is based on and affected by Joint Base Lewis-McChord North McChord Field aircraft operations; allowable development and uses are intended to minimize associated hazards to the public.

### **/ LU-4 Promote infill, redevelopment, and intensification.**

LU-4.1 Promote planning that supports future site intensification, such as the future development of parking spaces.

LU-4.2 Encourage parcel assembly and exchanges of lands for redevelopment.

LU-4.3 Encourage larger planned redevelopment projects, especially those that contribute to complete mixed-use communities.

LU-4.4 Actively pursue the revitalization of economically underperforming areas in Lakewood by establishing Community Renewal Areas and supporting strategies.

LU-4.5 Encourage more intensive development in areas served by transit.

**/ LU-5 Promote neighborhood business districts as local centers that provide supporting services to the surrounding community.**

- LU-5.1 Provide for a mix of activities in neighborhood business districts, including residential, retail, office, social, recreational, and local services.
- LU-5.2 Promote the integration of residential and commercial uses within neighborhood business districts.
- LU-5.3 Provide a distinct character or focus for each neighborhood business district.
- LU-5.4 Encourage a balance of community services and discourage the dominance of any single use within neighborhood business districts.
- LU-5.5 Promote people-focused architectural designs and intensities of new development in neighborhood business districts that are in harmony with the scale and character of the neighborhoods they serve.
- LU-5.6 Emphasize public safety enhancements as a critical component in making neighborhood business districts attractive for living, working, socializing, and shopping.
- LU-5.7 Encourage the incorporation of urban amenities within neighborhood business districts.
- LU-5.8 Promote the development of neighborhood business districts as transit hubs.
- LU-5.9 Accommodate automobile use while ensuring that vehicles do not overpower the character and function of neighborhood business districts.

**/ LU-6 Enhance the local business environment by identifying and implementing revitalization strategies in areas that require new investment.**

- LU-6.1 Develop an outreach program for the diverse business community located along the I-5 Corridor to foster engagement and support.
- LU-6.2 Collaborate with property owners and local businesses to create a comprehensive Corridor Plan for South Tacoma Way and Pacific Highway SW, aimed at revitalization and sustainable development.

**/ LU-7 Promote industrial development and revitalization that supports current industrial activities and helps to attract new, compatible businesses.**

- LU-7.1 Allocate industrial land for activities such as regional research, manufacturing, warehousing, business and employment parks, and other significant regional employment opportunities.
- LU-7.2 Support the development and renewal of industrial lands that positively impact Lakewood's economy and environment, while discouraging uses that are primarily situated in industrial areas due to the potential for negative effects on surrounding properties.



- LU-7.3 Protect key industrial sites, particularly those near railway lines, from being affected by incompatible uses such as residential developments or unrelated small-scale retail.
- LU-7.4 Increase the diversity and density of industrial operations in the city by optimizing the use of existing industrial lands.
- LU-7.5 Promote strategies for parcel assembly to promote uses that generate significant employment.
- LU-7.6 Facilitate the integration and/or buffering of industrial development with adjacent nonindustrial areas.
- LU-7.7 Ensure the compatibility of industrial activities with citywide and regional freight mobility and multimodal transportation infrastructure.
- LU-7.8 Encourage design techniques that support crime prevention to reduce opportunities for crime in the community.

**/ LU-8 Ensure the integration of public and institutional uses with the rest of the city.**

- LU-8.1 Apply the Public and Semi-Public Institutional land use designation to the uses for a range of government agencies and major institutions, including municipal, county, regional, state, and non-military federal entities, special districts, schools, and significant hospitals, that will require special consideration of uses.
- LU-8.2 Manage the expansion and evolution of major institutions in line with growth in the city and the specific operational and locational requirements of large public and institutional entities, while ensuring compatibility with surrounding neighborhoods.
- LU-8.3 Coordinate with the phasing and ongoing development of institutional uses to mitigate the cumulative impacts of these uses.

**/ LU-9 Recognize the unique nature of federal patent lands at Western State Hospital and Historic Fort Steilacoom.**

- LU-9.1 Coordinate with Washington State Department of Social and Health Services (DSHS) with respect to updates and implementation of the Western State Hospital Campus Master Plan.
- LU-9.2 Implement the city's public facilities master plan process to confirm that these facilities meet standards for appropriate levels of service and the health and safety of the public.
- LU-9.3 Minimize incompatible uses on the Western State Hospital campus to prevent adverse impacts on existing functions, neighboring properties, and vulnerable groups.

**/ LU-10 Encourage the transition of nonconforming uses and structures towards compliance with current standards.**

- LU-10.1 Allow for the continued operation, maintenance, and minor repair of nonconforming uses that were legally established but are no longer in compliance with development regulations.
- LU-10.2 Prohibit any expansion in the scale or intensity of existing nonconforming uses or structures.
- LU-10.3 Require nonconforming uses and structures to be brought into compliance if they cease to operate or site improvements are significantly damaged.
- LU-10.4 Allow for flexibility with the management of nonconforming uses if compliance would prohibit the productive use of the property, especially if these activities support important community functions.



# 3 Capital Facilities and Essential Public Facilities

## 3.1 Introduction

Upon its incorporation, Lakewood's urban services (water, sewer, and power, and emergency services) remained independent of the city, being provided by special districts, other jurisdictions, or private companies. Lakewood did form its own police department in 2004.

This element contains goals and policies for both capital facilities and essential public facilities and describes the city's relationship to external urban service and utility providers. It also directs Lakewood's management and financing of capital improvements for the facilities and utilities it owns and operates.

In addition to this element, planning and programming for transportation and parks (the two largest components of city spending on capital facilities) are also guided by the Transportation Element; the Parks, Recreation & Open Space Element; and the Parks Legacy Plan.

## 3.2 Background

### 3.2.1 Capital Facilities

Utilities and services in Lakewood are provided by the city, other jurisdictions, special districts, and private companies. The responsibilities of these providers are described below in terms of four (4) types of service.

The **Type 1** services and utilities shown below are provided directly to the resident by the City of Lakewood or a city-contracted provider.

**Exhibit 3-1. Type 1 Service/Utility Providers.**

<b>Service / Utility</b>	<b>City Regulatory Authority</b>	<b>Planning Responsibility</b>	<b>Funding Responsibility</b>	<b>Who Sets LOS?</b>	<b>Project Review</b>
<b>City Facilities</b>	total	city	city	city	city
<b>Parks &amp; Recreation</b>	total	city	city	city	city
<b>Transportation</b>	total	city	city	city	city
<b>Stormwater Management</b>	total	city	city	city	city
<b>Solid Waste</b>	total	provider	provider	city	provider
<b>Police</b>	total	city	city	city	city

**Type 2** services shown below are provided directly to the resident by a special district with independent taxing and regulatory authority. The city has land-use regulatory authority; thus, the provider must coordinate with the city for the provision of the services to support development and administration of the Comprehensive Plan.

**Exhibit 3-2. Type 2 Service/Utility Providers.**

<b>Service / Utility</b>	<b>Agency</b>	<b>City Regulatory Authority</b>	<b>Planning Responsibility</b>	<b>Funding Responsibility</b>	<b>Who Sets LOS?</b>	<b>Project Review</b>
<b>Public Schools</b>	Clover Park School District	land use	provider	provider	provider	provider
<b>Fire &amp; Medical</b>	West Pierce Fire & Rescue (WPFR)	land use	provider	provider	provider	provider
<b>Libraries</b>	Pierce County Library District	land use	provider	provider	provider	provider
<b>Transit</b>	Pierce County Transit and Sound Transit	land use	provider	provider	provider	provider

**Type 3** services shown below are utilities provided directly to the resident by a special district, county, or company. The city has land-use, right-of-way (ROW), and franchise regulatory authority; thus, the districts, county, and private companies must provide the service or utility to support development and administration of this Plan. The city may also require additional considerations from the provider for use of the city right-of-way. Further discussion of utilities is contained in the Utilities Element.

**Exhibit 3-3. Type 3 Service/Utility Providers.**

<b>Service / Utility</b>	<b>Agency</b>	<b>City Regulatory Authority</b>	<b>Planning Responsibility</b>	<b>Funding Responsibility</b>	<b>Who Sets LOS?</b>	<b>Project Review</b>
<b>Sanitary Sewer</b>	Pierce County Public Works	land use, ROW/ franchise	joint	provider	joint	provider
<b>Water</b>	Lakewood Water District, Parkland Water District	land use, ROW/ franchise	joint	provider	joint	provider
<b>Electric</b>	Tacoma Power, Puget Sound Energy, Lakeview Power	land use, ROW/ franchise	joint	provider	joint	provider / city
<b>Communications</b>	Private communication companies	land use, ROW/ franchise	joint	provider	joint	provider / city
<b>Natural Gas</b>	Puget Sound Energy	land use, ROW/ franchise	joint	provider	joint	provider

**Type 4** utilities and services are provided to federal military lands and utilities and services provided by the federal government to non-federal lands as listed below.

**Exhibit 3-4. Type 4 Service/Utility Providers.**

	<b>City Regulatory Authority</b>	<b>Planning Responsibility</b>	<b>Funding Responsibility</b>	<b>Who Sets LOS?</b>	<b>Project Review</b>
<b>Federal Military Lands</b>	none	federal	federal	federal	federal NEPA
<b>Federal Utilities &amp; Services to Non-Federal Lands</b>	none	federal	provider	city	city

Note: The city retains the right of comment on federal projects through the National Environmental Policy Act (NEPA.)

The following documents contain information supplemental to the Comprehensive Plan:

- **SEPA Environmental Impact Statements (EISs).** Through the EIS process, existing capacities are documented and a forecast of future capital improvements in services and utilities is projected. Based on the EIS analysis, capacity and locational policies for each Type 1, Type 2, Type 3, and Type 4 service and utility are incorporated in the respective service, utility, transportation, and land-use chapters of this Comprehensive Plan.
- **Capital Improvement Plan (CIP).** Lakewood's 6-year Capital Facilities Capital Improvement Plan (6-year CIP) is included within several city documents focused on either parks and open space or transportation that contain:
  - Inventories of existing and proposed capital facilities;
  - Regular and special maintenance requirements;
  - Identified deficiencies in capital facilities and the actions necessary to address such deficiencies;
  - Six-year forecasts of facility needs; and
  - A six-year financing plan and budget.

The CIP lists the planned capital investments for each Type 1 (i.e., city-provided) service and utility and identifies dedicated funding sources for the projects anticipated within six years. Lakewood's CIP is procedurally modified and updated in conjunction with its budget rather than as part of the annual Comprehensive Plan amendment cycle.

- **Downtown Subarea Plan and Planned Action Ordinance.** The Downtown Subarea Plan, SEPA Environmental Impact Statement and Planned Action Ordinance (PAO) identify needed services and capital improvements, costs, and mitigation or in-lieu fees for transportation and parks. The subarea plan and associated ordinances are a source for the 6-year CIP and Transportation Improvement Program (TIP). It is anticipated that the Downtown Plan will be implemented through the CIP, TIP, and city budget processes, as well as project permit evaluation.
- **Station District Subarea Plan and Planned Action Ordinance.** The Station District Subarea Plan and Planned Action Ordinance (PAO) identify needed services and capital improvements, costs, and mitigation or in-lieu fees for transportation and parks. The subarea plan and associated ordinances are a source for the 6-year CIP and Transportation Improvement Program (TIP). It is anticipated that the Station District Plan will be implemented through the CIP, TIP, and city budget processes, as well as project permit evaluation.

Type 2, 3, and 4 service and utility capital inventories and investments are included in separate documents provided by the respective external providers and incorporated hereto by reference. Planning and programming for utilities and facilities/services owned by third parties is typically the responsibility of these providers.

As required by the GMA, additional available information is included in the Appendix, including:

- Inventories of existing capital facilities owned by public entities;
- A forecast of needed capital facilities;
- Proposed locations and capacities of expanded or new capital facilities; and

- Long-term (six or more years) financing plans for capital facilities within projected funding capacities and identified sources of public money to finance planned capital facilities.

### **3.2.2 Essential Public Facilities**

Essential public facilities include those facilities considered difficult to site because of potential adverse impacts related to size, bulk, hazardous characteristics, noise, or public health and safety, or are part of a region or county-wide service system. These facilities can be thought of as a subset of public purpose lands, but do not necessarily include all public, semi-public, and institutional land uses.

Lakewood must identify appropriate land for essential public facilities that meets the needs of the community as defined under RCW [36.70A.200](#) and WAC [365-196-550](#), including:

- Local solid waste handling and treatment facilities;
- Landfills;
- Drop-box sites and sewage treatment facilities;
- Airports;
- State educational facilities;
- Essential state public facilities;
- Regional transportation and utility facilities;
- State and local correctional facilities; and
- In-patient facilities (including substance abuse facilities, mental health facilities, and group homes);

as well as any other state facility included on the 10-year capital plan maintained by the Washington State Office of Financial Management.

Lakewood may identify other additional public facilities that are essential to providing services to residents and without which development cannot occur that would be included under this classification. Currently, the city regulates the following uses as essential public facilities:

- Community and technical colleges, colleges, and universities;
- Correctional facilities;
- Electrical transmission lines;
- Group homes;
- In-patient facilities, including but not limited to substance abuse facilities;
- Intercity high-speed ground transportation;
- Intercity passenger rail service;
- Interstate Highway 5 (I-5);
- Mental health facilities;
- Military installations;
- Minimum security institutions;
- Secure community transition facilities;
- Solid waste transfer stations;

- Sound Transit facilities;
- Sound Transit railroad rights-of-way;
- Transit bus, train, or other high-capacity vehicle bases;
- Washington State Highway 512; and
- Work/training release facilities.

Additional essential public facilities may be identified by the city based on the following criteria:

- The facility requires a specific type of site that is scarce;
- The facility must be situated adjacent to another public facility;
- The facility is known or widely considered by the public to have substantial negative impacts, complicating its siting;
- Siting this type of facility has typically proven challenging or will likely be challenging; and/or
- There is a demand for the facility and the city is within the expected service area.

Any one or more of these conditions is sufficient for the city to deem a use as an essential public facility. Development regulations, including conditional permits, can be used to mitigate the effects of essential public facilities on neighboring land uses and the broader public.

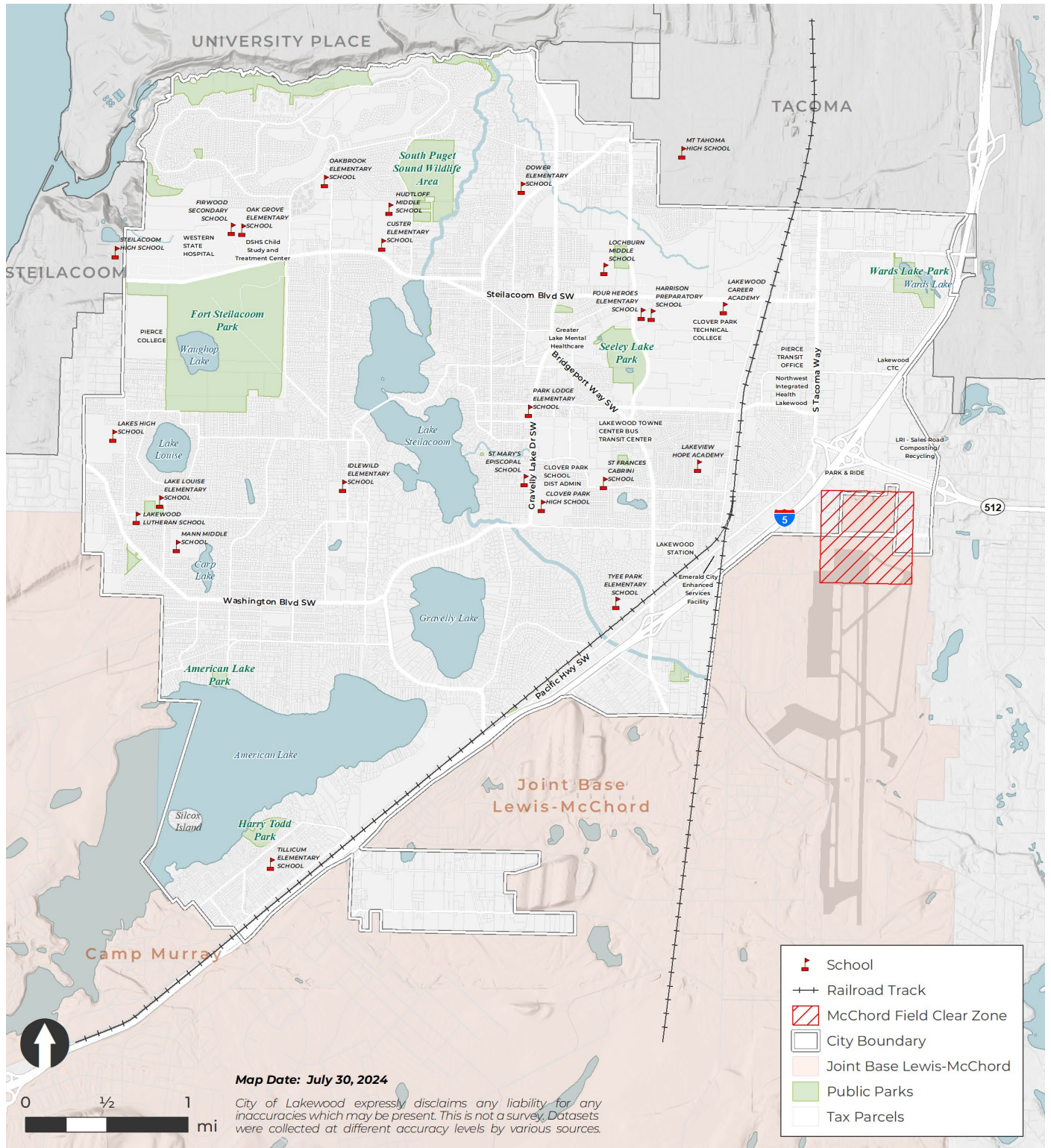
A summary of the current essential public facilities in Lakewood is provided in Exhibit XX. This map includes the following:

- Joint Base Lewis McChord.
- Large-scale transportation facilities, including Pierce Transit Center, Pierce Transit Headquarters, the Highway 512 Park-n-Ride, the Sound Transit Sounder Station, the BNSF railroad line, and I-5.
- State educational facilities, including Pierce College, Clover Park Technical College, Clover Park School District offices, and all K-12 schools in the city.
- Inpatient facilities, including substance abuse facilities, mental health facilities and group homes located in the city.
- Solid waste handling facilities & landfills.

This map also includes the McChord Field Clear Zone, which highlights the areas impacted by operations from McChord Field on JBLM.



**Exhibit 3-5. Lakewood Essential Public Facilities.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

### 3.2.3 Concurrency

Concurrency is a key principle under the GMA. Requirements for concurrency ensure that public facilities and services are available to serve new developments. Under this policy framework, necessary improvements, particularly in transportation, are in place at the time of development or have funding secured for completion within six years of a development.

Local jurisdictions set level of service (LOS) standards to evaluate if existing infrastructure can accommodate new development impacts or if additional facilities are needed. While transportation is the only sector where development can be denied for causing a drop below the established thresholds, other public facilities like water, parks, and schools might also have concurrency requirements based on local regulations. The GMA does not typically allow for the denial of permits because of inadequacies in these other areas, unless specified as necessary under local ordinances (RCW [58.17.110](#)). This comprehensive planning approach allows cities to manage growth effectively by aligning development with infrastructure capacity, thereby sustaining community standards and quality of life as they expand.

## 3.3 Capital Facilities Planning

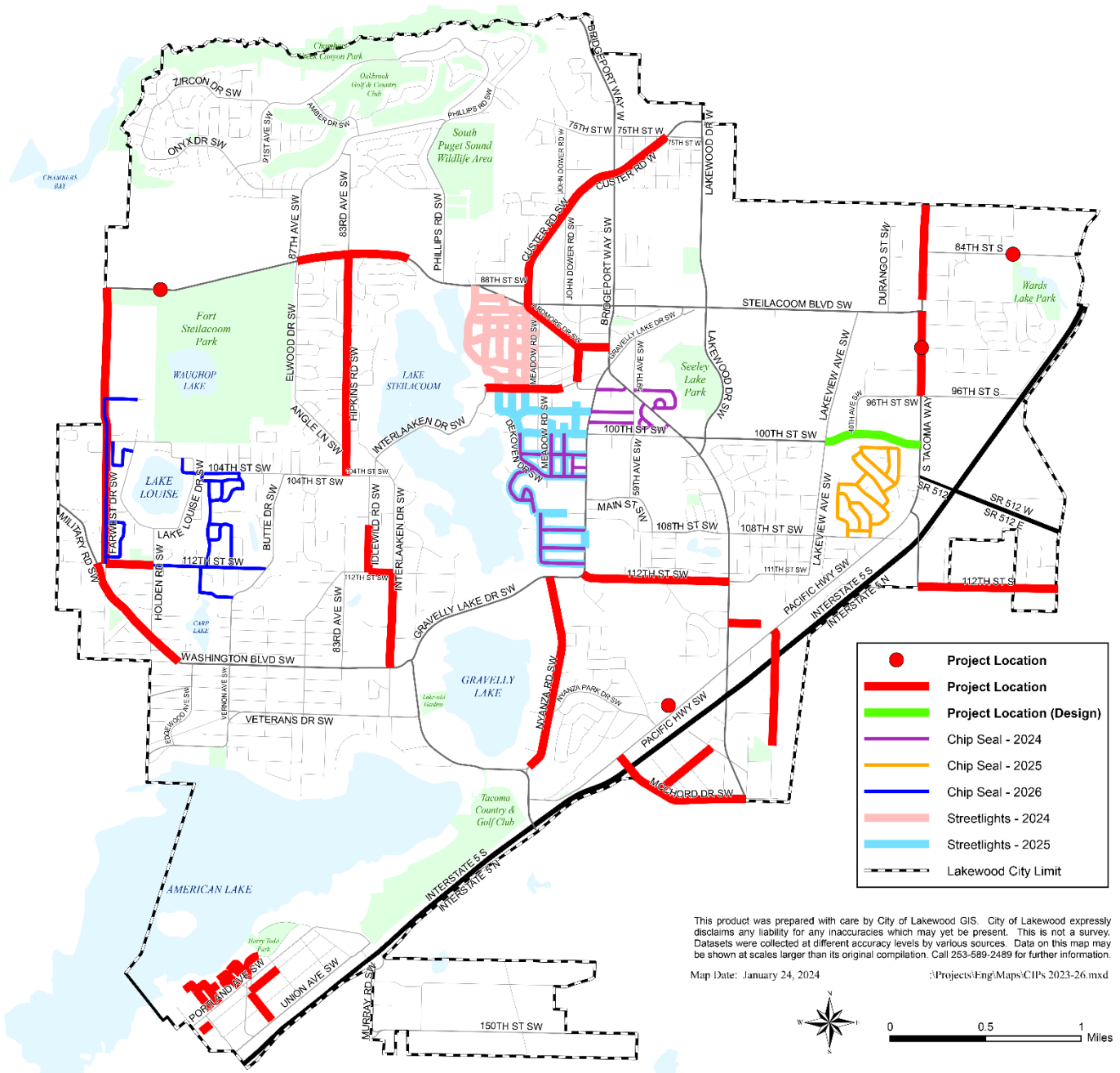
Under RCW [36.70A.070\(3\)](#), the Capital Facilities Plan Element must identify the proposed locations and capacities of expanded or new capital facilities. It is expected that the city will fund the identified capital projects through a combination of grants and other funding sources. These grants typically cover about 80–90% percent of project costs, and the city has been successful in securing such funding over the years.

Under the Comprehensive Plan, the two main departments coordinating capital facilities planning include:

- **Public Works and Engineering**, which primarily manages transportation, sewer and stormwater projects. Exhibit 3-6 provides a map with the major capital projects currently planned, with a list of projects provided in Exhibit 3-7. These projects are based on the current project list for the Capital Improvement Plan and Transportation Improvement Plan.
- **Parks and Recreation**, which manages park and recreational facilities acquisition and development. Exhibit 3-8 presents a map of major capital projects for parks and recreation, and a list of these projects is provided in Exhibit 3-9.



**Exhibit 3-6. Lakewood Capital Facilities Planning (Public Works and Engineering).**



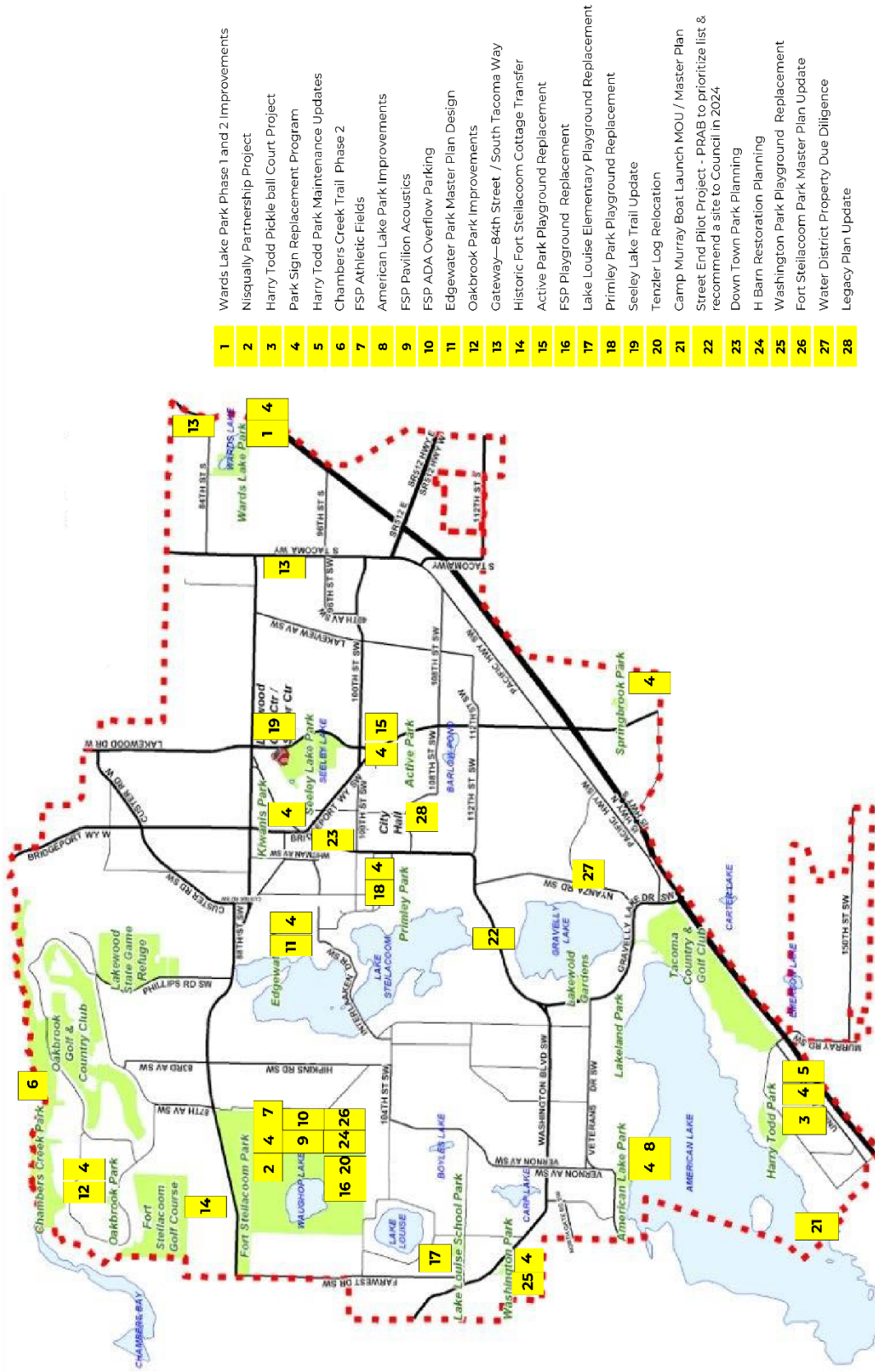
Source: City of Lakewood, 2024; Pierce County GIS, 2024.

**Exhibit 3.7 Lakewood Capital Facilities Project List (Public Works and Engineering).**

<b>Projects</b>	<b>Design</b>	<b>Construction</b>	<b>Total Project Cost</b>
<b>Annual Capital Programs</b>			
Street Lighting	Annual	Annual	\$ 185,000
Pavement Patching	Annual	Annual	\$ 150,000
Chip Seal	Annual	Annual	\$ 360,000
Minor Capital (patching, striping, markings, minor repairs)	Annual	Annual	\$ 110,000
<b>Capital Projects</b>			
Western State Hospital Signal(s) phase 1	2023	2024	\$ 250,000
Ardmore/Whitman/93rd St (TBD Bond)	2023	2024	\$ 3,375,000
Hipkins Rd; Steilacoom Blvd to 104th St SW (TBD Bond)	2023	2024	\$ 3,640,000
SRTS 84th/Pine Street Signal	2023	2024	\$ 1,080,330
Traffic Signal controllers replacement project	2023	2024	\$ 610,000
S. Tacoma Way 88th - City Limit	2023	2024	\$ 4,083,000
STW Overlay 96th to Steilacoom Overlay - PSRC# LW-40	2023	2024	\$ 868,000
SRTS Farwest Sidewalks	2023/24	2024	\$ 1,653,030
Steilacoom Blvd: 87th to Weller (Construction finish by June 2025)	2023/24	2024/25	\$ 6,130,000
Downtown Planning Study - Raise Grant Application	2023/24	2026	\$ 1,100,000
100th, STW to Lakeview Drive (Phase 1)('25 PSRC Grant) Design '23/24	2024	Future	\$ 831,000
112th St SW; Idlewild Rd SW to Interlaken Dr SW (design '24, const. '24)	2024	2024	\$ 556,000
Idlewild Rd SW; Idlewild School to 112th SW (design '24, Const '24)	2024	2024	\$ 528,000
Military Road; Edgewood to 112th/Farwest (Design funds only) Construct 25? (TIB grant?)	2024	2025	\$ 360,000
Custer Rd SW - Bridgeport to 75th	2024	2025	\$ 3,720,858
Replace School Zone lights and system	2024	2024	\$ 180,000
Interlaaken; 112th to WA. Blvd (design '24, const. '25)	2024	2025	\$ 2,065,000
Nyanza Road SW sidewalk improvements	2024	2025	\$ 4,450,000
112th Street Sidewalks; Farwest to Holden (SRTS)	2024	2025	\$ 1,304,720
Custer Rd SW - Bridgeport to Steilacoom (Phase 1 - Custer to 600' west of BPW)	2024	2025	\$ 1,420,000
Mt. Tacoma Drive SW sidewalk improvements	2025	2026	\$ 3,950,000
92nd & STW signal design potential grant - TIB	2025	2026	\$ 1,250,000
112th St Overlay - STW to Steele Street (design'25, const. '26)	2025	2026	\$ 1,244,000
<b>Sanitary Sewers</b>			
Rose Rd & Forset Rd sewer extension	2023/24	2024	\$ 1,531,870
Wadsworth St, Silcox Dr, Boat St. sewer extension (design '23/24, const. '24)	2023/24	2024	\$ 2,150,000
Grant Ave, Orchard St sewer extension (design '24/25 const. '26)	2024/24	2026	\$ 1,300,000
<b>Surface Water</b>			
Water Quality Improvements	Annual	Annual	\$ 245,000
Annual Drainage Pipe Repair	Annual	Annual	\$ 350,000
Clover Creek Floodplain - Levee	2024/26	Future	\$ 371,263

Projects	Design	Construction	Total Project Cost
<b>Sound Transit Funded:</b>	Tentative	Tentative	
112th St - GLD to Bridgeport (Sound Transit funded)	2024	2025	\$ 3,166,826
Clover Creek Railroad Crossing (Sound Transit funded)	2024	2025	\$ 187,144
McCord Drive SW - Pac Hwy to Bridgeport (Sound Transit funded)	2025	2026	\$ 5,007,404
115th St CT SW (Sound Transit funded)	2025	2026	\$ 549,733
47th Ave SW (Sound Transit funded)	2025	2026	\$ 1,493,270
Lincoln Ave SW (Sound Transit funded)	2026	2027	\$ 4,941,697
<b>Additional Downtown Subarea Projects (2030–2044)</b>			
59th Ave SW and Towne Center Blvd. SW Sidewalks, Lighting, Paving			\$ 5,775,000
Lakewood Towne Center Blvd at 59 <sup>th</sup> Ave SW roundabout			\$ 490,000
100th St SW and Bridgeport westbound right turn pocket			\$ 2,150,000
Gravelly Lake Drive / Avondale Signal			\$ 1,775,000
Gravelly Lake Dr./ 112th St. SW Signal			\$ 931,000
Gravelly Lake Dr./ 59th St. SW Signal			\$ 1,150,000
Modify cross section of Gravelly Lake Blvd. Study, 4, -lane cross sections with left turn pockets between Bridgeport and Nyanza Road SW to allow for improved bicycle and pedestrian facilities			\$ 9,925,000
<b>Additional Transportation Projects (2030–2044)</b>			
15th St Ct SW multi-use trail to Lakewood Station	Future	Future	(to be determined)
Lakewood Station area curb and sidewalk improvements within ½ mile of station	Future	Future	(to be determined)
Pierce County Transit Route 206 bus stop at Lakewood Station – intersection improvements	Future	Future	(to be determined)

Exhibit 3-8. Lakewood Capital Facilities Planning (Parks and Recreation).



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

**Exhibit 3-9. Lakewood Capital Facilities Project List (Parks and Recreation).**

Status	Design	Construction	Project Name
<b>Projects Active and Underway in 2024</b>			
Active	2023	2023/24	Ft Steilacoom Park Athletic Fields
Active	2024	2024	Ft Steilacoom Park Tenzler Log Relocation
Active	2024	2025	Ft Steilacoom Park Nisqually Indian Tribe Partnership Project
Active	2024	TBD	Ft Steilacoom Park Wayfinding and main entry improvements (design only)
Active	2024	2024	Ft Steilacoom Park ADA and Overflow Parking
Active	2024	2024	Ft Steilacoom Historic Cottage Transfer MOU
Active	2024	2024	Colonial Plaza Landscape, Lighting and Interpretive Signage
Active	2024	2024	Park Sign Replacement at all City parks
Active	2024	2024/25	Wards Lake Park Improvements (Phase 1-2)
Active	2024	2024/25	American Lake Park Improvements *20 month in-water permit period
Active	2024	2024	Oakbrook Park Improvements
Active	2024	2024	Primley Park Improvements
Active	2024	2024	Chambers Creek Trail Phase 2 (Pierce County managed project)
Active	2024	2027	Edgewater Park Master Plan Update *2024 grant application
Active	2024/25	2026	Street End improvement Pilot Project (PRAB will recommend site in 2024)
Active	2024/25	2024/25	Seeley Lake Park (Pierce County managed project)
<b>Projects not yet Underway in 2024</b>			
Upcoming	2024/25	TBD	Camp Murray Boat Launch MOU & Master Plan
Upcoming	2024	2024	Ft Steilacoom Park Pavilion Acoustics FSP
Upcoming	2024	2024	Gateway Monument- 84th St E near Wards Lake Park
Upcoming	2024	2025	Harry Todd Park Pickleball Courts
Upcoming	2024	2025	Harry Todd Park Deferred Maintenance Grant
<b>Projects Upcoming in 2025 through 2029</b>			
Upcoming	2025/26	2027/28	Ft Steilacoom Park H-Barn Restoration (pending funding from both Partners for Parks and City)
Upcoming	2025/26	2027	Edgewater Park (pending construction grants secured in 2025)
Upcoming	2025/26	TBD	Downtown Park Master Planning (due diligence and planning)
Upcoming	2025	2026	Legacy Plan (PROS Plan) Update in conjunction with FSP Master Plan Update Legacy Plan must be approved by May 2026 for future grant eligibility
Upcoming	2025	TBD	Lakewood Water District Property Acquisition (due diligence, community outreach & planning)
Upcoming	2026	2026	Washington Park Playground Replacement

Status	Design	Construction	Project Name
Upcoming	2026	2027	Lake Louise Elementary School Playground Replacement
Upcoming	2026	TBD	Ft Steilacoom Park Playground Replacement
Upcoming	2027	2029	Camp Murray Boat Launch Improvements (pending construction grants secured in 2027)



## 3.4 Goals and Policies

### / CF-1: **Coordinate cost-effective and efficient utilities and service delivery for city residents and businesses.**

- CF-1.1 All services and utilities shall be provided in accordance with this plan.
- CF-1.2 Manage utilities and services in Lakewood according to the following categories for effective management and delivery:
- **Type 1** services and utilities are provided directly to the resident by the City of Lakewood or city-contracted provider.
  - **Type 2** services are provided directly to the resident by a special district with independent taxing and regulatory authority.
  - **Type 3** services are utilities provided directly to the resident by a special district, county, or private company under the city's franchise regulatory authority.
  - **Type 4** services are those provided to federal military lands and utilities as well as services provided by the federal government to non-federal lands.
- CF-1.3 Contract or franchise services that are more effective or cost-efficient to be provided by a special district, other jurisdiction, or the private sector.
- CF-1.4 Engage in periodic assessments of services and utilities within the city to ensure compliance with this Comprehensive Plan.
- CF-1.5 Reassess the land use element if probable funding falls short of meeting existing needs as outlined within the Capital Facilities Plan.
- CF-1.6 Require a utility or other service provider to correct deficiencies when identified.
- CF-1.7 Leverage city authority to guarantee adequate service provision, especially if a provider fails to meet public service needs.
- CF-1.8 Prioritize demand management and conservation strategies before the development of new capital facilities and infrastructure.
- CF-1.9 Develop conservation measures to reduce solid waste and increase recycling.
- CF-1.10 Advocate for enhanced water conservation and efficient usage to reduce wastewater generation and ensure water availability.
- CF-1.11 Encourage the use of renewable energy resources to meet local and regional energy demands.

**/ CF-2 Ensure adequate Type 1 capital facilities to meet the needs of existing and new development.**

- CF-2.1 Require adequate capacity and level of service (LOS) standards at occupancy as conditions for land use and development permits.
- CF-2.2 Require new development to support a fair share of infrastructure needs resulting from the development and future use of the site to ensure that capacity and LOS requirements can be met.
- CF-2.3 Use concurrency measures for the assessment of transportation capacity and LOS determinations.
- CF-2.4 Provide for the development of city facilities, parks, and recreation capital improvements in accordance with this Plan and the Parks Legacy Plan.
- CF-2.5 Coordinate with the school district on jointly funded parks and recreation capital improvements.

**/ CF-3 Require Type 2 providers to provide adequate service delivery to meet the needs of existing and new development.**

- CF-3.1 Require Type 2 providers to conduct prompt and concurrent reviews of land use and development permits in coordination with the city.
- CF-3.2 Coordinate with fire and emergency medical services providers to integrate health and safety standards into development regulations and building codes, and enforce these adopted standards.
- CF-3.3 Coordinate with the school district on capital improvements for school facilities and include the school district CIPs as an appendix to the city CIP following review for consistency with this plan.
- CF-3.4 Coordinate the assessment and collection of school impact fees as part of the development project review process as applicable.

**/ CF-4 Require Type 3 utilities to provide adequate service delivery to meet the needs of existing and new development.**

- CF-4.1 Mandate that Type 3 utilities provide sufficient service and infrastructure to fulfill the needs of both existing and future development.
- CF-4.2 Require Type 3 providers to conduct prompt and concurrent reviews of land use and development permits in coordination with the city.
- CF-4.3 Coordinate with providers to include necessary standards into development regulations and building codes, and to enforce these adopted standards.

- CF-4.4 Refuse land use and development permits for projects not serviced by adequate water, sewer, stormwater, or electrical capacity or LOS at the time of occupancy.
- CF-4.5 Direct developers to provide necessary capital improvements to ensure that water, sewer, and electrical capacity will be available at the time of occupancy.
- CF-4.6 Require new development to support a fair share of the costs for water and sewer infrastructure necessary for that development.
- CF-4.7 Work to incorporate CIPs from sewer and water provider as appendices to the city CIP if consistent with this Plan.

**/ CF-5 Coordinate with Type 4 utilities and services for the provision of services to non-federal lands.**

- CF-5.1 Engage in case-by-case coordination with Type 4 providers for the provision of services on non-federal land as required.
- CF-5.2 Partner with Type 4 providers to monitor and maintain facilities located in the city on non-federal land.

**/ CF-6 Establish a city Capital Improvement Plan consisting of individual CIPs for each service and utility that lists planned capital improvements.**

- CF-6.1 Update the city's six-year Capital Improvement Plan as an appendix to this Plan at least every two years to establish priorities and funding sources for capital improvements.
- CF-6.2 Evaluate each service or utility CIP priority and funding sources at least once every two years, but not more than twice a year.
- CF-6.3 Analyze the impacts of amendments to the CIP on permits issued by the city based on concurrency.
- CF-6.4 Limit the provision of Type 1 capital improvements based on city's fiscal capacity and other external funding obligations.
- CF-6.5 Evaluate concurrency for transportation based on capital improvements identified in the CIP as fully funded within the six-year period.
- CF-6.6 Refrain from undertaking a capital improvement or accepting an improvement provided by another if the city or the service provider lack the resources to support ongoing operation and maintenance.

**/ CF-7 Provide city facilities that are efficient, functional, and safe, and enhance the physical landscape, local quality of life, and environmental health.**

- CF-7.1 Develop and maintain City Hall and other municipal facilities to support effective local governance, service delivery, and public engagement, and provide a model of desired development for the city.
- CF-7.2 Provide adequate permanent facilities for police functions.
- CF-7.3 Direct public investment toward the designated Regional Growth Center and areas targeted for high-density residential development to help promote growth in these areas.
- CF-7.4 Prioritize acquiring and developing parks, open spaces, and recreation facilities to eliminate identified service gaps, particularly in densely populated neighborhoods, underserved areas and parts of the city designated for growth.
- CF-7.5 Acquire properties and conservation easements to support critical areas protection, salmon recovery, and effective floodplain management.

**/ CF-8 Establish efficient and transparent processes for the siting of essential public facilities.**

- CF-8.1 Maintain an inventory of essential public facilities that may be sited in Lakewood.
- CF-8.2 Align the identification of statewide essential public facilities with the standards set by the Washington State Office of Financial Management.
- CF-8.3 Identify countywide essential public facilities in collaboration with relevant jurisdictions through an interjurisdictional agreement that is consistent with the guidance of the Pierce County Countywide Planning Policies (CPPs).
- CF-8.4 Identify city essential public facilities pursuant to the requirements of the Growth Management Act (GMA).
- CF-8.5 Maintain a consistent process to site essential public facilities that adequately considers the impacts of specific uses and environmental health disparities..

**/ CF-9 Coordinate with other jurisdictions and providers to provide urban services and utilities to users in the UGA and recently annexed areas.**

- CF-9.1 Work collaboratively with other jurisdictions and service providers to provide cost-effective and efficient Type 1 services and utilities within the UGA that align with relevant goals and policies.
- CF-9.2 Evaluate the need for contract or franchise services and utilities for newly annexed areas, particularly when these services are more effectively delivered by a special district, another jurisdiction, or the private sector.

# 4 Economic Development

## 4.1 Introduction

The Economic Development Element of the Comprehensive Plan is a crucial component to the city's strategy to build and expand Lakewood's economic landscape. This element outlines goals and policies aimed at fostering a dynamic and sustainable economy that benefits all segments of Lakewood's community. Central to this Element is the goal of creating a diverse and robust economy that not only supports the current population but also lays a solid foundation for future generations.

Lakewood is transitioning from a primarily residential community serving Tacoma and Joint Base Lewis-McChord into a diversified, full-service city. The adoption of the Lakewood Downtown Plan in October 2018 emphasizes this transition, with a focus on high-quality, intensive mixed-use development and cultural activity. Recognizing its part in the larger Puget Sound economy, Lakewood's long-term includes expanding infrastructure, protecting JBLM from urban encroachment, retaining and attracting a diverse range of businesses, creating new jobs, fostering redevelopment, and developing a community that attracts new residents.

The Element emphasizes the city's strategic initiatives to leverage its unique geographical advantages and resources. It recognizes Lakewood's strategic position near key transport routes, the major influence of Joint Base Lewis-McChord as a primary economic driver, and the proximity to major regional facilities like the Port of Tacoma. Additionally, the plan highlights the importance of Lakewood's diverse small business sector and the value of local educational institutions in supporting workforce development.

## 4.2 Background

This background section summarizes the economic review of Lakewood found in the Appendix and highlights major findings considered in this policy section. Please refer to that document for further information to support the Economic Development element.

### 4.2.1 Competitive Economic Position

As part of maintaining and expanding the local economy, Lakewood is in a strong situation to take advantage of different opportunities. These benefits can help boost current opportunities as well as attracting new economic activity into the community. Significant local resources include the following:

- **Joint Base Lewis-McChord and other facilities.** Lakewood is located next to Joint Base Lewis-McChord, a 90,283-acre joint US Army and Air Force facility that accommodates over 40,000 service members, their families, and civilian contractors and support staff. It is the largest employer in Pierce County and one of the largest employers in the state, and because of this, the base serves as the

region's primary economic driver. JBLM includes Camp Murray, the home to the Washington Army National Guard, Washington State Guard, Washington Air National Guard, and the State Emergency Operations Center. These facilities have a significant economic impact on Lakewood, given the need for off-base housing and shopping options, as well as businesses that support base operations and other related economic activities.

- **I-5 and SR-512.** Lakewood is ideally situated to benefit from its location along I-5 between Tacoma and Olympia. This position provides strong regional access given its location between Tacoma and Olympia, as well as linkages to trucking destinations along the Pacific coast and the I-90 east-west freeway. State Route 512, which has its western end in Lakewood, also provides regional access to Puyallup and the SR-167 corridor. This location allows the city to be a key site for logistics and warehousing, as well as other commercial, manufacturing, and industrial uses.
- **The Port of Tacoma.** Approximately five miles from Lakewood, the Port of Tacoma is a major hub for international trade and is ranked among the top ten container ports in the United States. Increases in trade volume have led to a significant regional expansion of logistics and warehousing facilities in Lakewood and throughout Pierce County, which has been supported by upgrades to the Port's linkages with nearby roadways.
- **Local and regional transit.** The Pierce County Transit bus system and Sound Transit commuter rail are accessible at Lakewood Station, which is near the Pacific Highway/SR512/I-5 interchange. Planned investment in these systems will also improve connectivity to Sea-Tac International Airport and employment centers in Tacoma and Seattle over the long term.
- **A strong community of small businesses.** There are many smaller local businesses in Lakewood which provide an important economic base for the city. In particular, the vibrant International District in Lakewood attracts diners and shoppers from Lakewood and surrounding areas with a diverse mix of local businesses.
- **Local education and training resources.** Pierce College Fort Steilacoom and Clover Park Technical College provide a wide range of professional and technical programs and contribute to a robust pipeline of workforce training for nearby employers. This supplements a strong local public education system.

To boost the effectiveness of economic development efforts, there are also some challenges to address as well. These difficulties include the following:

- **Land availability.** Lakewood has a restricted amount of property available for development, redevelopment, and infill projects. This might become a problem as the community expands, particularly if future economic growth is contingent on a greater proportion of community members making purchases from local establishments.
- **Shifts in retail activity.** The ways that people shop have changed significantly over the past few years. The movement towards online commerce is challenging Lakewood's standing as a regional retail hub. Traditional brick-and-mortar store closures and a greater regional emphasis on local mixed-use developments may also have an impact on consumer purchasing patterns.
- **Market conditions and residential redevelopment.** Costs of construction, insufficient housing across the affordability spectrum, and senior housing is also a component in local economic development. Historically lower rents for multifamily buildings have made it more challenging for



redevelopment projects in Downtown and Lakewood Station to have been feasible and efficient for previous development. Future efforts to revitalize these areas and bring more consumers and more demand in for the local market will require a strong environment for these projects.

- **Infrastructure demands.** As Lakewood grows, so does the strain on our roads and other supporting infrastructure. Facilities controlled by the city such as streets and roads will be impacted by new growth, and future congestion could impact quality of life in the city. Similarly, other infrastructure managed by third-party providers and other government agencies, such as transit, telecommunications, water, and sewer services, will also be impacted by new local and regional growth. Providing the planning necessary to ensure that the city's infrastructure will not be a limiting factor on new growth and development is an essential part of this Comprehensive Plan.

Coordinating responses to many of these potential challenges to economic development in the city will need to be done through policies across the entire Comprehensive Plan, including the sections on housing, capital facilities, land use, parks and recreation, and public services.

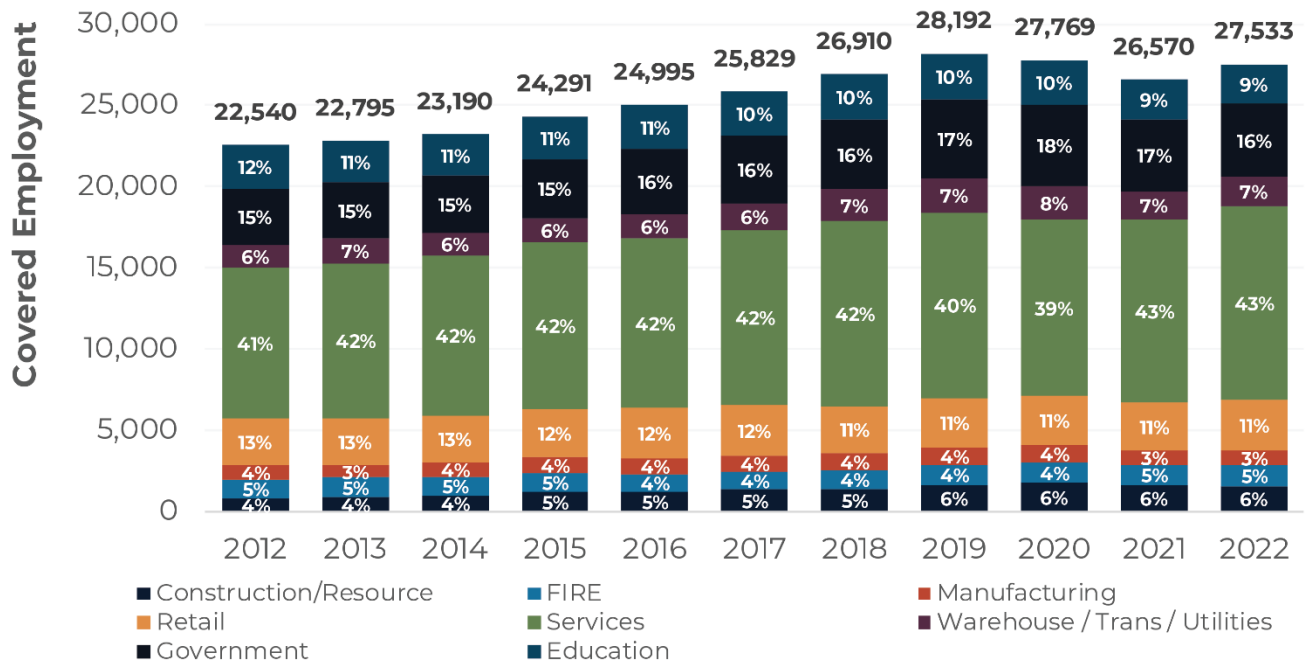
## 4.2.2 Economic Analysis

Based on an evaluation of available economic information, there are several major considerations for future economic development planning for Lakewood:

- **Employment recovery and growth.** Exhibit 4-1 highlights city employment since 2012, with a breakdown by major sector. Overall, the city has recovered from the 2007–2009 recession and the 2020 lockdowns, with covered employment<sup>4</sup> reaching 27,533 jobs in 2022. Government and government-related employment within Lakewood continues to be a major part of the local economy, amounting to about 16% of all covered employment in the city in 2022.
- **Future employment projections.** Exhibit 4-2 highlights the 2044 employment targets for the city, based on estimates using the PSRC's Land Use Vision – Implemented Targets (LUV-it) land use model and growth targets set by Pierce County. Overall, the targets identify that Lakewood will add **9,858 jobs between 2020 and 2044**, with overall employment at 39,735 jobs by 2044. This represents an average increase of about 1.1% per year, which suggests slower expected employment growth compared to current rates post-2012. Looking forward to 2050, a further 2,471 jobs are expected to be added to the city to amount to a total of 42,206 jobs, or **an overall 30-year increase of 12,329 jobs** between 2020 and 2050.

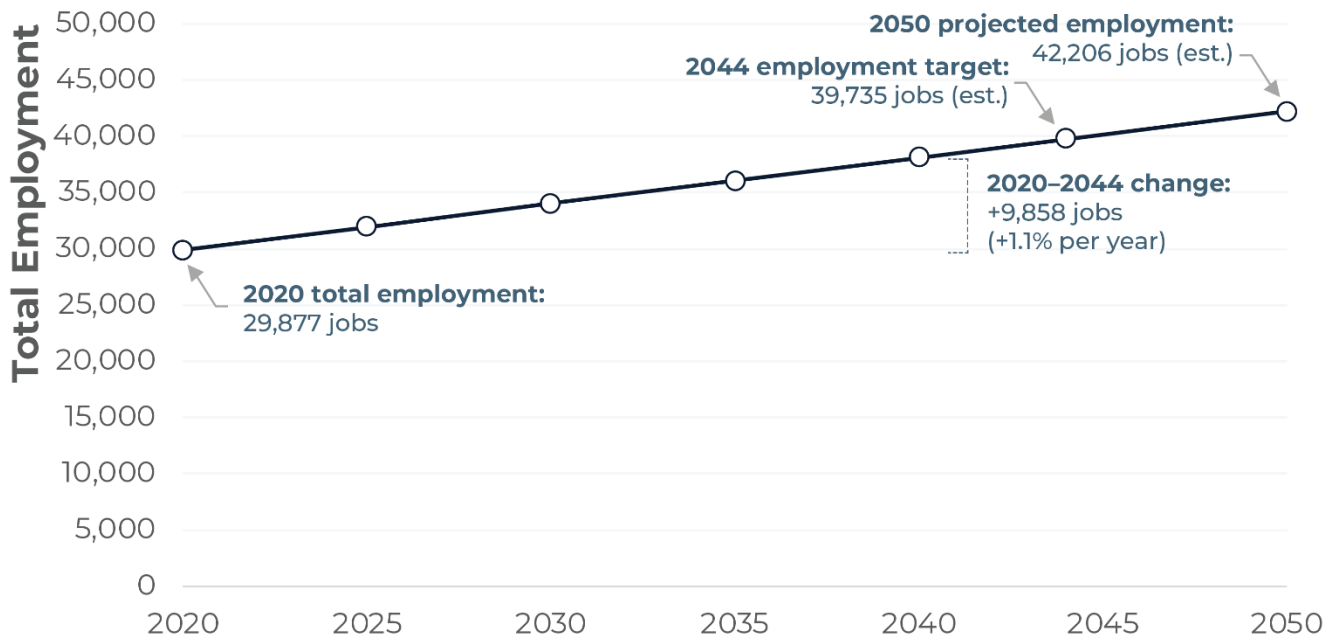
<sup>4</sup> "Covered employment" includes all jobs covered by the *Washington Unemployment Insurance Act*. Note that this measure does not specifically include self-employed individuals, military workers, or other workers not covered by state unemployment insurance.

**Exhibit 4-1. Covered Employment in Lakewood by Major Sector, 2012–2022.**



Source: PSRC, 2024.

**Exhibit 4-2. Projected Total Employment in Lakewood, 2020–2050.**

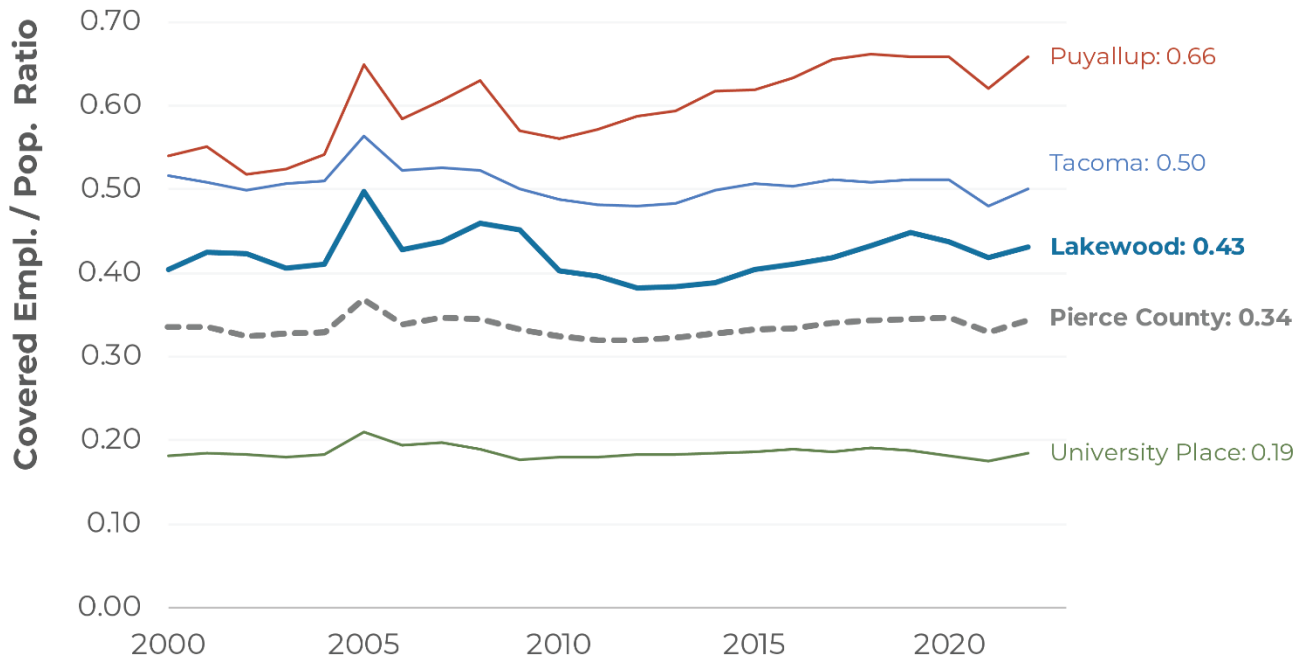


Source: PSRC, 2024.

- **Commuting and worker locations.** As shown in Exhibit 4-3 (jobs-to-population ratio) and Exhibit 4-4 (proportions of workers living in Lakewood), Lakewood has a higher jobs-to-population ratio compared to the county average, indicating it is an employment destination in the area, but that it does compete with other centers. About 16% of workers that live in Lakewood also reside in the city, but this number has been declining in recent years, suggesting that local employment opportunities for residents have not been increasing as fast as the number of people commuting elsewhere to work.
- **Market capture for retail sales.** Statistics on taxable retail sales in Lakewood are provided below, with Exhibit 4-5 highlighting major retail sales statistics and pull factors<sup>5</sup> for 2021 with comparisons to 2017, and Exhibit 4-6 showing overall statistics for the ten subsectors reporting the most taxable retail sales in Lakewood. Overall, these statistics highlight that the retail economy is important to Lakewood, and while pull factors are not as high as communities that may have a greater regional pull in certain subsectors, local activity suggests that local businesses have a draw from outside of the community. Among these retail subsectors, “Food Services and Drinking Places” (NAICS 722) is the largest, resulting in \$184 million in receipts in 2021 and growing at an average of 4.6% per year since 2017.
- **Sales tax sustainability.** In addition to a focus specifically on retail, taxable retail sales also apply to a broader range of economic activity and sales tax receipts to the city. As shown in Exhibit 4-6, construction activities provide a significant contribution to local sales taxes beyond what may be provided through real estate excise taxes (REETs), and in 2021, over \$163 million in sales in “Construction of Buildings” (NAICS 236) was considered taxable. This may be subject to some variability, and in 2022, receipts in building construction dropped by 15% due to reductions in building activity. Other subsectors providing significant taxable retail sales in 2021 include \$191 million for “Motor Vehicle and Parts Dealers” (NAICS 441), \$150 million for “General Merchandise Stores” (NAICS 452), and \$112 million for “Miscellaneous Store Retailers” (NAICS 453).

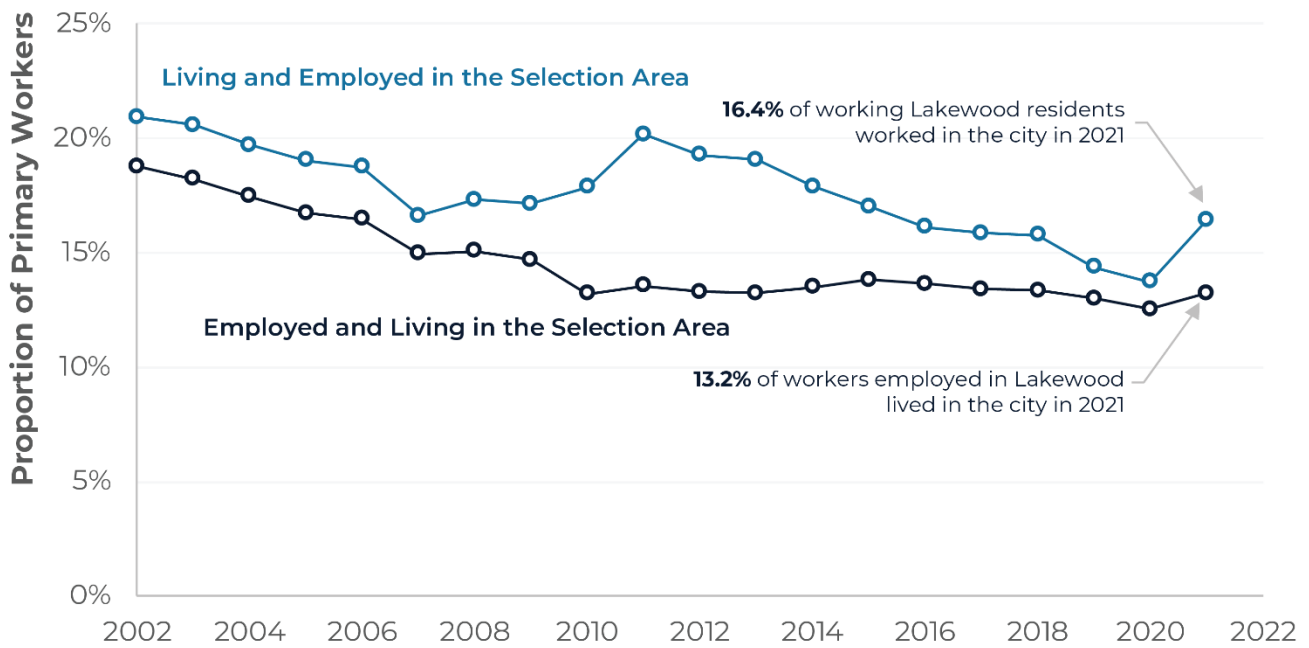
<sup>5</sup> A “pull factor” is calculated as the ratio between actual retail spending in a category and an estimate of the potential retail spending resulting from per capita spending based on statewide averages. If the pull factor is greater than one, there is greater local spending than what can likely supported by residents, meaning that local businesses capture more consumers from outside of the city as customers. Conversely, a value less than one means that city residents likely need to go elsewhere for these shopping options.

**Exhibit 4-3. Jobs-to-Population Ratio, Lakewood and Surrounding Communities, .**



Sources: PSRC, 2024; WA Office of Financial Management, 2024.

**Exhibit 4-4. Proportion of Primary Workers Living and Residing in Lakewood.**



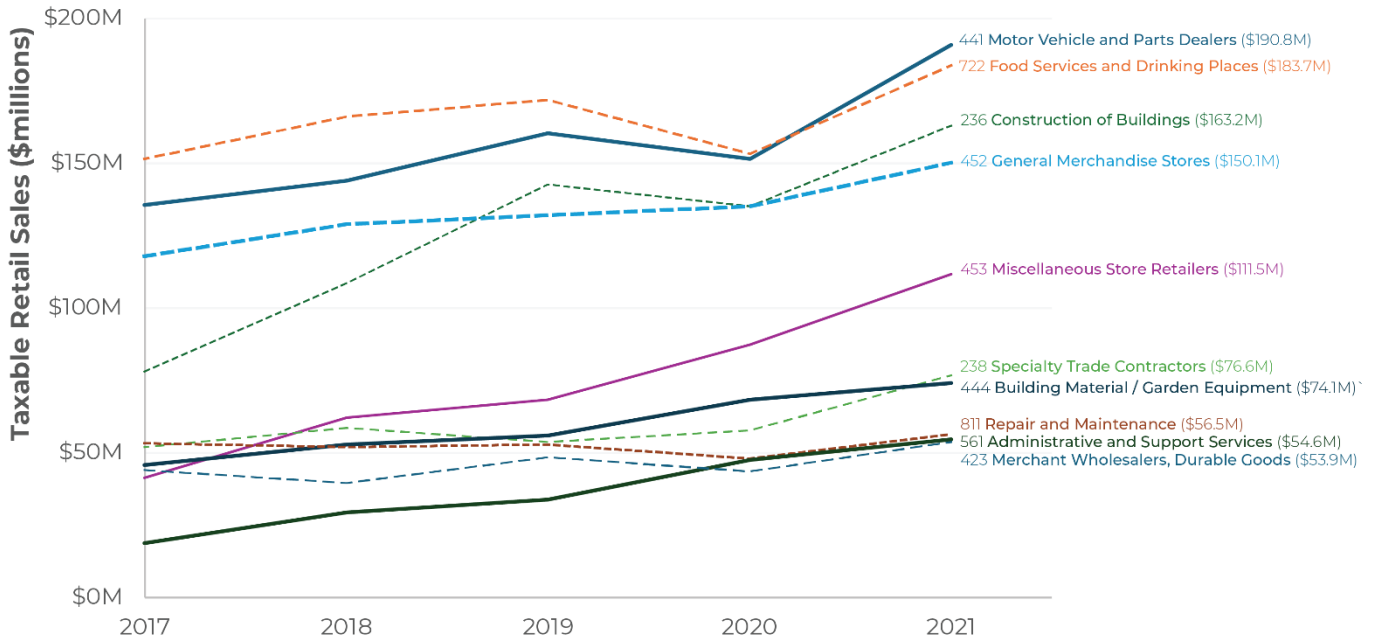
Source: US Census Longitudinal Employer-Household Dynamics, 2024.

Exhibit 4-5. Taxable Retail Sales Statistics, Lakewood, 2021.

		2021 Taxable Retail Sales			Pull Factor		
NAICS Designation		Local Sales	Local Potential	Surplus / Leakage	2017	2021	Change
<b>44-45</b>	<b>Retail Trade</b>	<b>\$787,229,996</b>	<b>\$584,126,392</b>	<b>\$203,103,604</b>	<b>1.23</b>	<b>1.35</b>	<b>+0.12</b>
441	Motor Vehicle and Parts Dealers	\$190,770,088	\$133,587,095	\$57,182,993	1.21	1.43	+0.22
442	Furniture and Home Furnishings Stores	\$29,866,992	\$21,206,462	\$8,660,530	1.50	1.41	-0.09
443	Electronics and Appliance Stores	\$29,140,126	\$37,490,327	(\$8,350,201)	0.75	0.78	+0.03
444	Building Material and Garden Equipment and Supplies Dealers	\$74,086,871	\$63,929,812	\$10,157,059	1.01	1.16	+0.14
445	Food and Beverage Retailers	\$52,581,666	\$30,828,713	\$21,752,953	1.40	1.71	+0.30
446	Health and Personal Care Stores	\$34,338,086	\$23,930,607	\$10,407,479	1.07	1.43	+0.36
447	Gasoline Stations	\$17,955,521	\$13,622,965	\$4,332,556	1.35	1.32	-0.03
448	Clothing and Clothing Accessories Stores	\$42,358,613	\$33,149,195	\$9,209,418	1.08	1.28	+0.20
451	Sporting Goods, Hobby, Musical Instrument, and Book Stores	\$33,124,330	\$23,563,284	\$9,561,046	1.40	1.41	+0.00
452	General Merchandise Stores	\$150,072,522	\$84,138,725	\$65,933,797	1.58	1.78	+0.20
453	Miscellaneous Store Retailers	\$111,516,977	\$95,934,555	\$15,582,422	1.30	1.16	-0.14
454	Nonstore Retailers	\$21,418,204	\$22,744,653	(\$1,326,449)	0.84	0.94	+0.10
<b>722</b>	<b>Food Services and Drinking Places</b>	<b>\$183,721,738</b>	<b>\$91,189,315</b>	<b>\$92,532,423</b>	<b>1.64</b>	<b>2.01</b>	<b>+0.38</b>

Source: WA Department of Revenue, 2024.

**Exhibit 4-6. Taxable Retail Sales by Subsector in Lakewood, 2017–2021 (Top Ten Subsectors).**



Source: WA Department of Revenue, 2024.

Overall, these statistics reinforce that the Economic Development Element should consider several key trends and opportunities. Lakewood has recovered from recent shocks and is likely to continue as a retail hub and a focus of government-related employment into the future. However, there will be ongoing pressure to encourage local economic opportunities that support complete neighborhoods in the city, build local employment opportunities for workers and entrepreneurs, and reinforce fiscal sustainability.



## 4.3 Goals and Policies

### **/ ED-1 Maintain a strong local economy that supports healthy businesses.**

- ED-1.1 Maintain a sustainable retail sales tax base.
- ED-1.2 Pursue public-private partnerships that leverage economic development opportunities.
- ED-1.3 Maintain partnerships with the State, Pierce County, Joint Base Lewis McChord, other cities and organizations to build and maintain regional economic competitiveness.
- ED-1.4 Provide local business recruitment, retention, and expansion programs.
- ED-1.5 Compile and report relevant local economic data to guide economic development programs.
- ED-1.6 Participate in local and regional economic forums that advance economic development goals.
- ED-1.7 Maintain public safety programs that protect people and encourage local investment.
- ED-1.8 Maintain partnerships with Pierce College and Clover Park Technical College as integral components of the local and regional economy.
- ED-1.9 Partner with local human service organizations to providing training and development programs for the unemployed or under-employed.

### **/ ED-2 Ensure responsiveness in business support.**

- ED-2.1 Maintain timely and responsive permitting and licensing processes.
- ED-2.2 Support consistency with regulatory codes in other jurisdictions.
- ED-2.3 Promote a customer service approach in permitting and licensing and provide regular reviews of performance.
- ED-2.4 Provide targeted permitting and licensing assistance to small businesses.

### **/ ED-3 Promote increased homeownership opportunities in the city.**

- ED-3.1 Expand homeownership opportunities for existing residents in neighborhoods with low homeownership rates.
- ED-3.2 Develop new relationships and mechanisms that increase private investment in, and production of high- quality housing for all income groups.
- ED-3.3 Consider the cumulative effects of regulations and incentives on the ability of housing developers to meet current and future housing demand.

ED-3.4 Support public and private investment to improve areas that have experienced a historical lack of investment in housing and infrastructure, and have a concentration of low-income and disadvantaged households.

ED-3.5 Encourage family-sized housing options for rental and homeownership.

**/ ED-4 Coordinate the planning of public infrastructure and private investment.**

ED-4.1 Encourage sustainable investments in local infrastructure that can promote private investment and community economic development.

ED-4.2 Use public financing techniques such as local improvement districts, public-private partnerships, and grants to achieve neighborhood and citywide economic development goals.

ED-4.3 Coordinate signage and frontage improvements that enhance the community and promote economic investment.

ED-4.4 Support strategic infrastructure investments for economic development with state and federal funding programs.

**/ ED-5: Coordinate neighborhood-level economic development that reflects different local conditions and needs.**

ED-5.1: Coordinate opportunities for public and private investment in neighborhoods that support revitalization.

ED-5.2 Promote commercial uses and cultural activities to support the vitality of neighborhoods.

ED-5.3 Ensure that infrastructure planning is coordinated with economic development needs in neighborhoods.

ED-5.4 Foster small business development and expansion.

ED-5.5 Encourage neighborhood centers to be complete communities to live, shop, and do business.

ED-5.6 Encourage housing and mixed-use development as an opportunity to build support for local businesses.

ED-5.7 Explore the use of a local development government corporation for land assembly in neighborhoods.

ED-5.8 Explore ways to allow craft/artisanal industrial uses that permit on-site manufacturing with supporting retail in compatible commercial areas.

**/ ED-6 Coordinate economic development opportunities related to the support of Joint Base Lewis-McChord.**

- ED-6.1 Coordinate with the South Sound Military Communities Partnership to explore economic opportunities related to JBLM.
- ED-6.2 Coordinate economic development planning with JBLM operations and policies associated with economic development and housing.
- ED-6.3 Support workforce development programs for military personnel transitioning out of military service.
- ED-6.4 Pursue economic diversification to increase local economic resilience in response to any planned drawdowns at JBLM.

**/ ED-7 Expand city residents' economic opportunities.**

- ED-7.1 Support economic development activities that provide or retain livable wage jobs for low and moderate income persons.
  - Develop a low-interest loan program, tax credits and other mechanisms to serve as incentives for businesses to create or retain jobs for low- and moderate-income persons.
  - Develop a technical assistance program for supporting businesses for the purpose of creating or retaining jobs for low- and moderate-income individuals.
  - Provide businesses with access to low-interest loans to expand economic opportunities through on-site infrastructure improvements, rehabilitation, acquisition, and other commercial improvements for the purpose of creating or retaining jobs for low- and moderate-income persons.
- ED-7.2 Focus investment on housing development and infrastructure improvements in support of economic development in targeted neighborhoods.

# 5 Energy and Climate Change

## 5.1 Introduction

Reducing greenhouse gas emissions, sustaining healthy ecological systems, and adapting to climate disruption are fundamental challenges facing communities around the world. An adequate and timely response to climate change will require collective action and sustained effort from public and private sectors. Local and regional initiatives should be coordinated to protect environmental and human health.

In 2021, the city adopted a new Comprehensive Plan Energy & Climate Change Element (ECCE). It included 89 Action Items. In 2022, these Action Items were reviewed and prioritized into a three-year Work Plan. Between 2022 and 2024, the city successfully completed eight of the 15 Action Items, continued work on four of the Action Items, and identified needed partners to pursue the final three Action items. The city enrolled with Google Environmental Insights Explorer (EIE) and Local Governments for Sustainability (ICLEI) to track and analyze climate change impacts and greenhouse gas (GHG) emissions on the city as well as the effects over time of actions the city takes to anticipate and address those effects and reduce those emissions.

As part of the 2024 Comprehensive Plan Periodic Review, all of the 89 ECCE Action Items, as well as the foundational climate change information used to draft the 2021 Element, have been relocated from the Comprehensive Plan to a separate Energy and Climate Change Appendix (see Appendix D). The city also began review of the changes mandated by the state under [HB 1181](#) in 2023 to determine how to best update the ECCE, the Appendix, and other Comprehensive Plan Elements to be consistent with new GMA requirements by the identified deadlines in 2029 and 2034.

If residents, businesses, and city officials are committed to environmental responsibility in planning for Lakewood's future, the city can assume a leadership role in responding and adjusting to the potential impacts of climate change. GHG emissions in the city are primarily generated by motor vehicles and large scale commercial and industrial operations. The city is also traversed by Interstate 5 and State Highway 512; both freeways experience substantial congestion during peak commute hours. Therefore, reduction measures must involve residents, local businesses, and neighboring jurisdictions.

Lakewood has some favorable characteristics that provide substantial advantages in addressing energy and climate change. These advantages include vacant and underutilized lands, the Downtown and the Lakewood Station District Subarea Plans, and recent revised development codes that help moderate future emissions by facilitating convenient access to employment, transportation modes and essential human services.

Recent changes to the Growth Management Act provided additional requirements for planning for climate change as per RCW [36.70A.070\(9\)](#). Under these requirements, the city must include policies in

the Comprehensive Plan in “greenhouse gas emissions reduction” and “resiliency” sub-elements that reduce overall greenhouse gas emissions and enhance resiliency to and avoid the adverse impacts of climate change. The city has until 2029 to meet the new requirements and further work to ensure consistency with the requirements is anticipated from 2024-2029.

## 5.2 Background

This section includes a summary of relevant information developed as a foundation for the energy and climate change policies included in this Element. Note that this includes considerations that cross over into other components of the Comprehensive Plan, such as the following:

- The **Land Use, Housing**, and **Economic Development Elements** in the Plan outline the city's developmental strategy, detailing the types of construction that will be promoted and the development patterns promoted through zoning and regulation. These Elements focus on several considerations related to climate change policy, such as enhancing the jobs-housing balance to decrease commuting times, promoting walkable neighborhoods, and advancing more energy-efficient development. The defined land use policies are essential in reducing greenhouse gas (GHG) emissions and increasing community resilience to the effects of climate change.
- The **Transportation Element** is specifically related to the systems that support different modes of transportation, including freight and passenger vehicles that may be significant sources of GHG emissions. Through this element, the city can work to reduce the vehicle-miles traveled (VMTs) within the city and mitigate associated emissions by promoting ways to decarbonize the vehicles on Lakewood's streets (e.g., greater use of electric vehicles).
- The **Capital Facilities** and **Utilities Elements** include other infrastructure that will have a significant impact on Lakewood's contributions to GHG emissions. This specifically includes the generation of electric power and the use of natural gas, as well as some larger institutional consumers of electricity, such as water and wastewater treatment facilities.

Other components of the Plan, such as Parks and Open Space, Urban Design, and Public Services also have relevance to addressing GHG emissions and climate change impacts through policies that affect urban heat islands, sustainable practices, and other uses of local energy.

To provide a background for energy and climate change policies, as well as the integration of these policies into the rest of the Comprehensive Plan, this section is divided into four primary components:

- A short background is provided to outline the current context regarding climate change in Lakewood, including the potential impacts to the city and its residents.
- A description of relevant actions and policies at other levels of government is provided, with considerations for local policies in Lakewood.
- A review of the actions taken by Lakewood to date is provided as a basis for future actions.
- Finally, a review of the findings from engagement with a steering committee is included, with a focus on principles for Lakewood's energy and climate change policies.

## 5.2.1 Current Context

Findings from the Intergovernmental Panel on Climate Change (IPCC) have outlined how human activities are the primary cause of climate change. While climate impacts can be difficult to observe over the longer term, it is expected that changing temperatures will be linked to different effects, including: disruption of ecosystems; more frequent and damaging storms accompanied by flooding and landslides; increases in the number and severity of heat waves; extended water shortages because of reduced snowpack; increased likelihood of wildfires; and disturbance of wildlife habitats and agricultural activities.

There are several general effects expected across the Pacific Northwest:

- Sea level rise will increase erosion, flooding, and threaten coastal infrastructure and ecosystems along Puget Sound.
- Rising water levels may submerge and damage tidal wetlands crucial for bird and fish habitats.
- Warming temperatures are reducing Washington's snowpack, leading to increased water flow in late winter and early spring but decreased flow and earlier snowmelt in summer, which can have both environmental effects and effects on the availability of water for public use.
- Declining snowpack and warmer water temperatures could negatively impact skiing, salmon habitats, hydroelectric power generation, and other economic activities.
- The area burned by forest fires in the Northwest may double with changes in the climate, with rising temperatures heightening tree susceptibility to pests and increasing the prevalence of pine beetles.
- The anticipated reduction in streamflow could decrease water available for irrigation, potentially affecting the yields of crops like apples and cherries in Washington.

Under these considerations, Lakewood could experience impacts that should be considered in planning, including:

- Changes to local weather patterns, especially **more frequent peak storm events**.
- **Rising Puget Sound water levels** influencing Chambers Creek Dam at high tides and eventually lead to overtopping.
- Intermittent lakes such as Carp Lake becoming **more intermittent** or disappearing altogether.
- Areas with steep slopes such as Chambers Creek Canyon experiencing **increased frequencies of landslides** with heavy rainfall events.
- Managing an **increased flood risk** in the Clover Creek watershed, especially with rising flood waters potentially impacting I-5 between Highway 512 and Bridgeport Way. Note that Clover Creek could see a 16% increase in peak streamflow when comparing the 1980-2009 average and the 2040-2069 predicted average.
- Additional pollutant loading from peak storm events and higher summer temperatures making existing **water quality issues** in the city worse, resulting in depleted oxygen levels and more algae bloom events.
- An **increased potential for wildfires** in Fort Steilacoom Park, the open space areas behind Western State Hospital, JBLM lands adjacent to the city limits, and vacant lands within the I-5 and Highway 512 Corridors could result in a loss of vegetation and impacts to air quality.



## Urban Heat Islands & Tree Canopy

Heat islands are urbanized areas that experience higher temperatures than rural and vegetated areas due to structures such as buildings, roads, and infrastructure. These structures absorb and re-emit the heat from the sun more intensely than in natural environments, and less greenery means that there are fewer opportunities for shade. During the summer, the consequences of urban heat islands include heightened energy and electricity needs for cooling buildings, leading to increased GHG emissions from higher electricity demand.

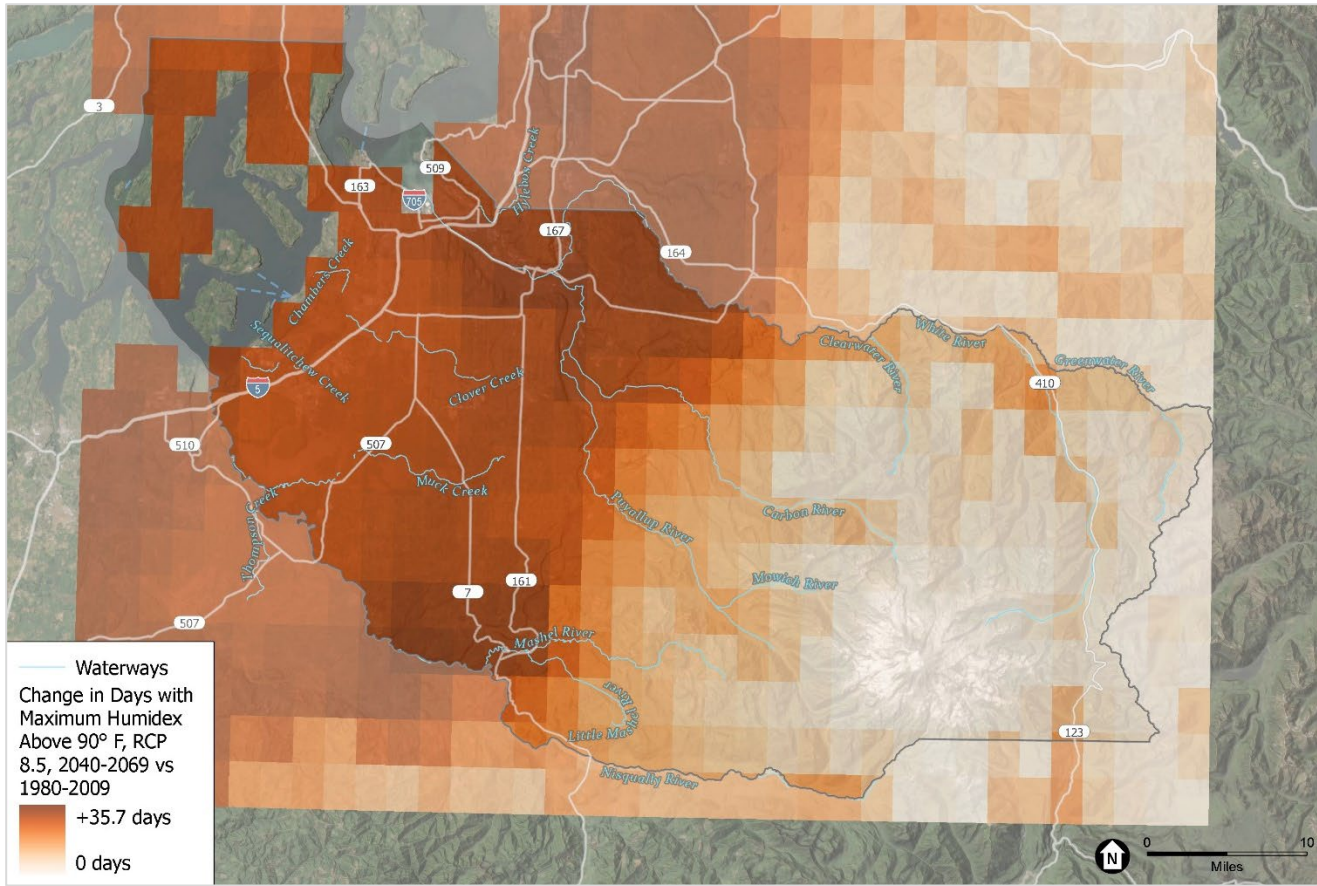
Urban heat islands and excessive heat events pose increased risks in Lakewood in different ways, including the following:

- Vulnerable populations such as older adults, young children, low-income populations, people in poor health, and people who spend their working hours outdoors are vulnerable to the health effects of higher temperatures and potential negative air quality.
- Urban heat islands can also negatively affect water quality due to warmed stormwater runoff increasing the water temperature in streams, rivers, ponds, and lakes. This water temperature warming can stress aquatic life and result in die-offs that can impact local ecosystems.

The following maps highlight several considerations with respect to urban heat islands and mitigation with tree cover:

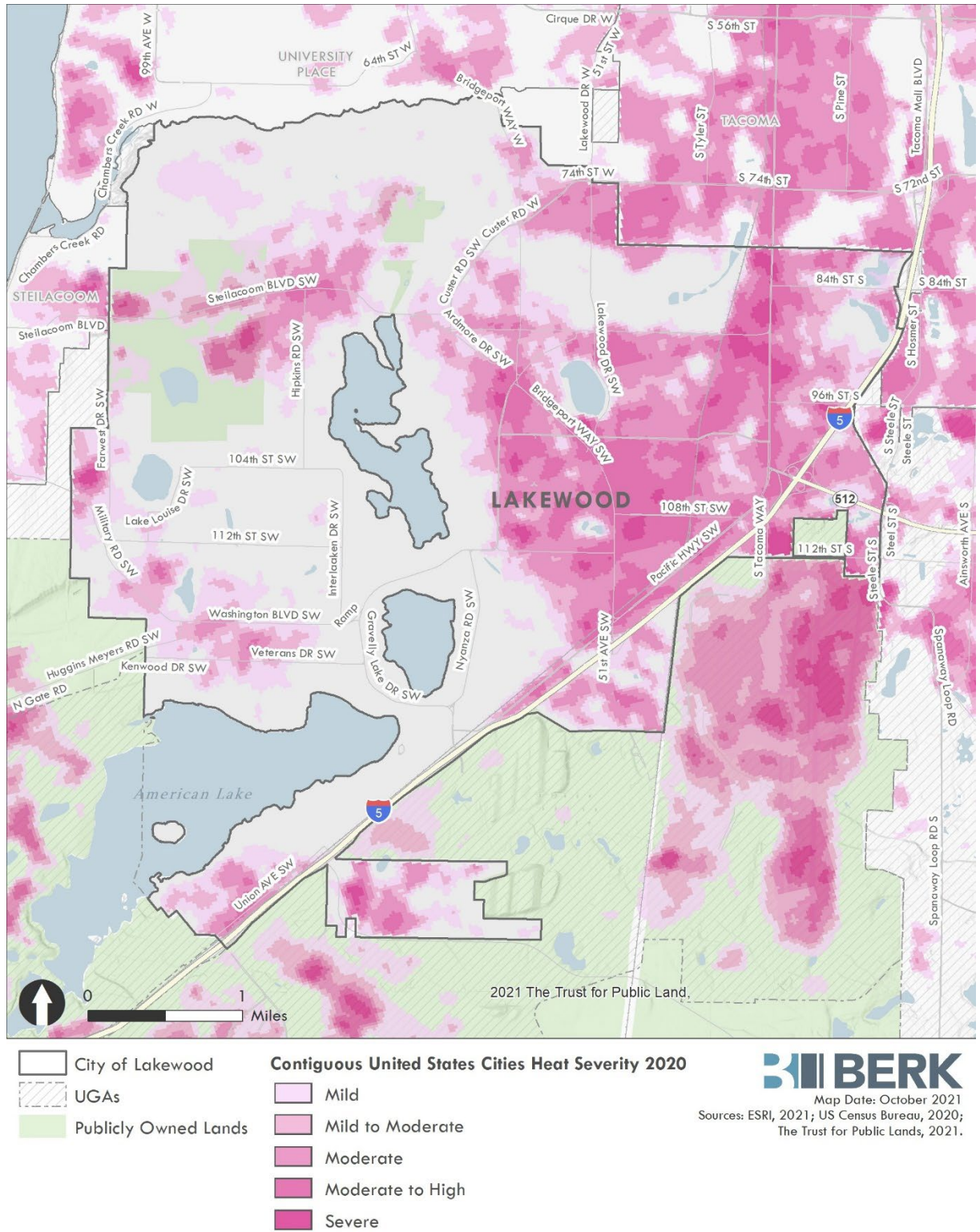
- Exhibit 5-1 provides the **expected increases in extreme heat events**, defined as the projected increases in high humidex days for 2040–2069. Lakewood is in the urbanized area in western Pierce County that will experience more extreme heat events over the coming years.
- Exhibit 5-2 depicts the **level of heat severity** in the city, highlighting areas with urban heat islands of more intense heat. Generally, urban heat islands with high to severe heat severity are in the eastern part of the city, near the Downtown and the developed commercial, industrial, and multifamily areas.
- Exhibit 5-3 shows the **current tree canopy coverage** in the city. Overall, the tree canopy is 29% of total area, with 13 square kilometers of tree canopy coverage. The greatest amount of tree canopy area is found in neighborhoods in the northwestern and central areas of the city. Conversely, areas with low amounts of tree canopy coverage include the northeastern and mid-western parts of the city. Note that a lack of adequate tree canopy coverage contributes to an increased urban heat island effect, while an increase in tree canopy coverage can contribute to carbon sequestration and improve air quality, improve community health and well-being, cool the air, and manage stormwater.
- Exhibit 5-4 identifies areas that have fewer trees and a higher concentration of overburdened communities using a **"tree equity score"** as per the organization American Forests. This score assesses the extent to which the advantages of greater tree coverage are accessible to lower-income populations, communities of color, and other groups that are often disproportionately affected by extreme heat and environmental risks. Note that the areas with less equity in tree canopy in Lakewood are largely in the greater developed commercial, industrial, and multifamily areas.

**Exhibit 5-1. Extreme Heat and Days above 90°F Humidex.**



Sources: Abatzoglou and Brown 2012; BERK 2023; UW CIG 2022.

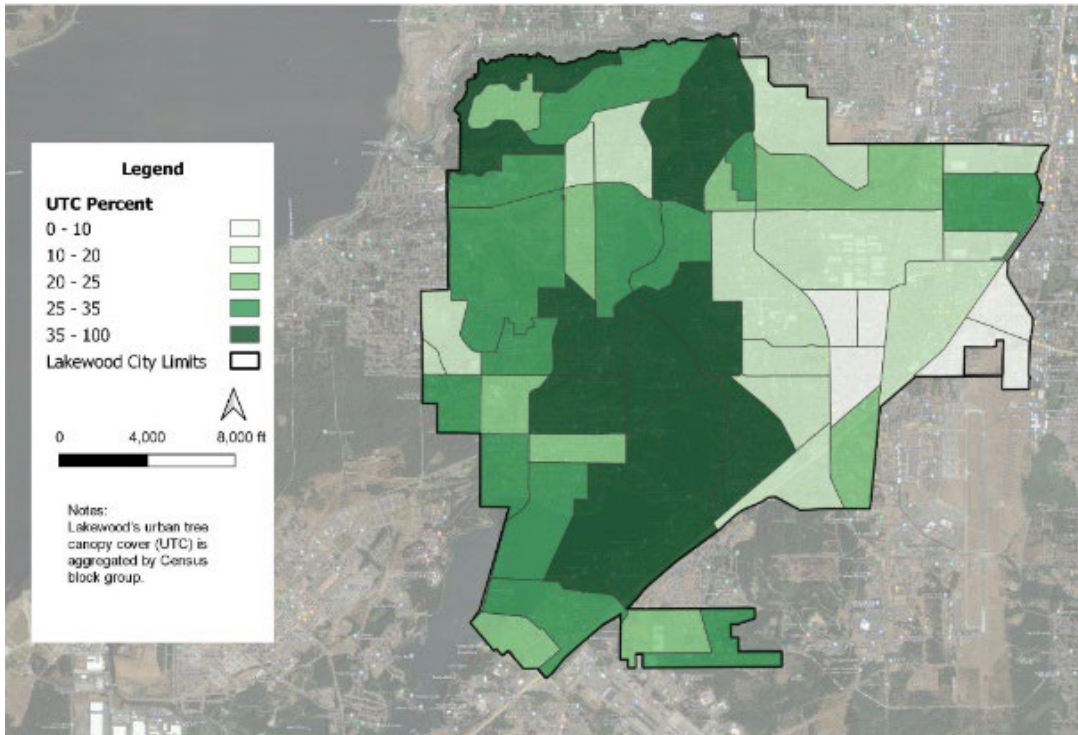
**Exhibit 5-2. Lakewood Heat Severity (2020).**



Sources: ESRI, 2021; US Census Bureau, 2020; Trust for Public Lands, 2021.

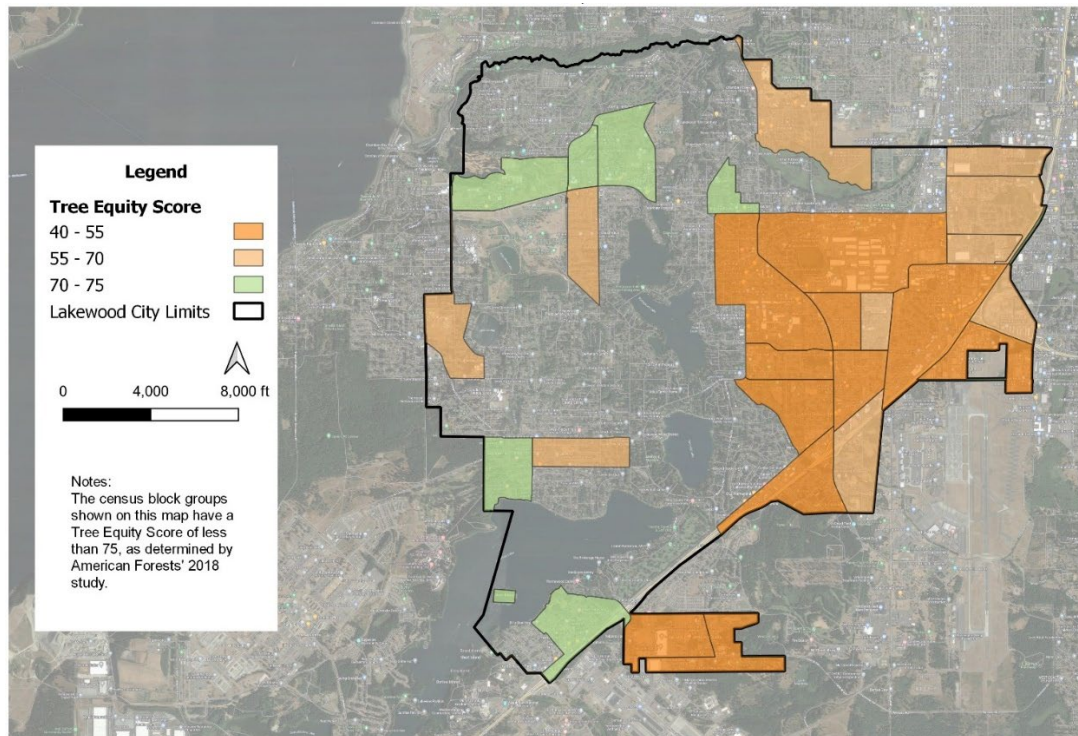


**Exhibit 5-3. Percent Urban Tree Canopy Coverage, City of Lakewood.**



Source: Plan-it GEO, prepared for City of Lakewood 2022.

**Exhibit 5-4. Tree Equity Score (75 or less).**



Source: American Forest, Tree Equity.org, Plan-it Geo, 2022.

## Floodplains and Surface Water

The following maps provide perspectives on the increased risks Lakewood will face over the coming years associated with changes to precipitation and the associated effects on stormwater and flood risks:

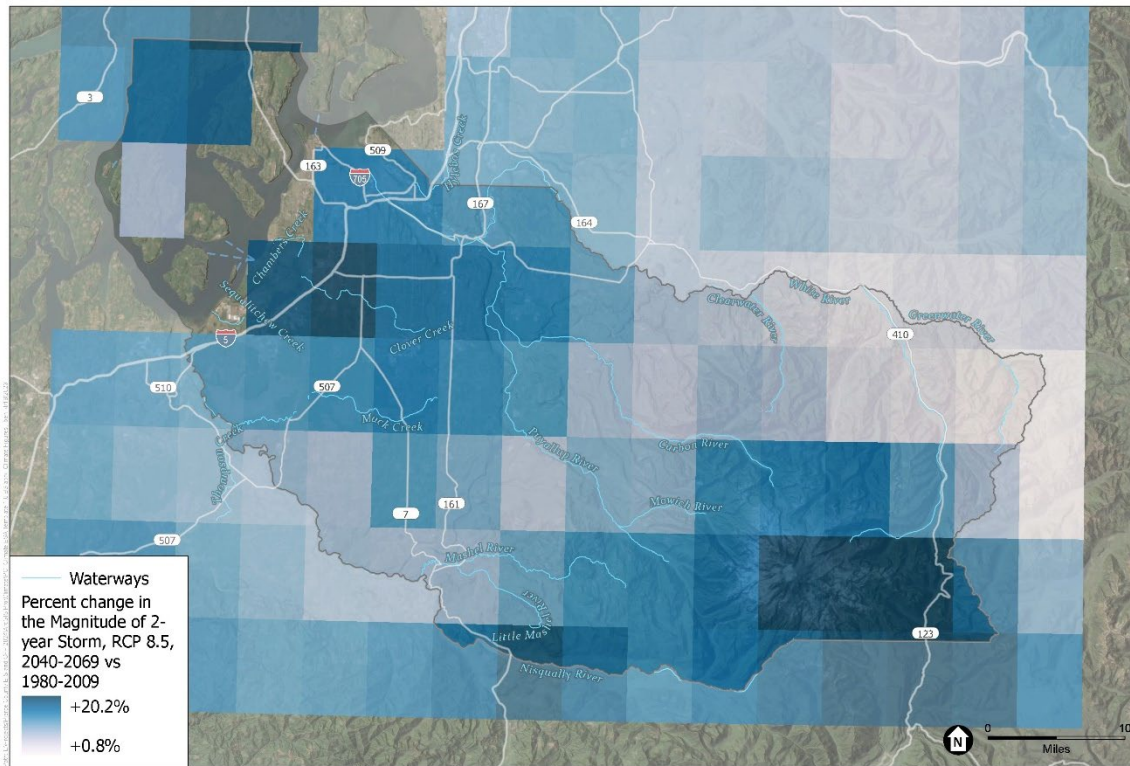
- Exhibit 5-5 presents the percent change in magnitude for two-year storms for the 2040–2069 period across Pierce County, which provides a general assessment of the expected increase in intensity for major storm events.
- Exhibit 5-6 highlights the expected percent change in annual maximum streamflow for the 2040–2069 period for identified streams, with a focus on Lakewood.
- Exhibit 5-7 provides the 2019 revisions to the 100-year floodplain map for the area of Lakewood close to the 51<sup>st</sup> Ave SW interchange for I-5.

Approximately 9%, or 1,098 acres, of Lakewood's total area is covered by lakes and other surface water, with a notable presence of creeks and wetlands. The Clover Creek watershed, the principal watershed within the city limits, saw a significant update in 2019 when FEMA revised the 100-year floodplain map. The new map indicates a raised flood risk, with floodwaters from a 100-year event in Clover Creek expected to have an expanded impact on the Springbrook neighborhood, I-5, and areas within the Hillside and Downtown neighborhoods.

This highlights that the city is subject to potential climate change impacts related to peak storm events and flooding. This may directly impact key infrastructure such as I-5 between Highway 512 and Bridgeport Way. Additionally, the area could experience increased risk and potential damage from floods in general, as well as higher pollutant loads that could worsen water quality issues in the city's multiple lakes and streams.

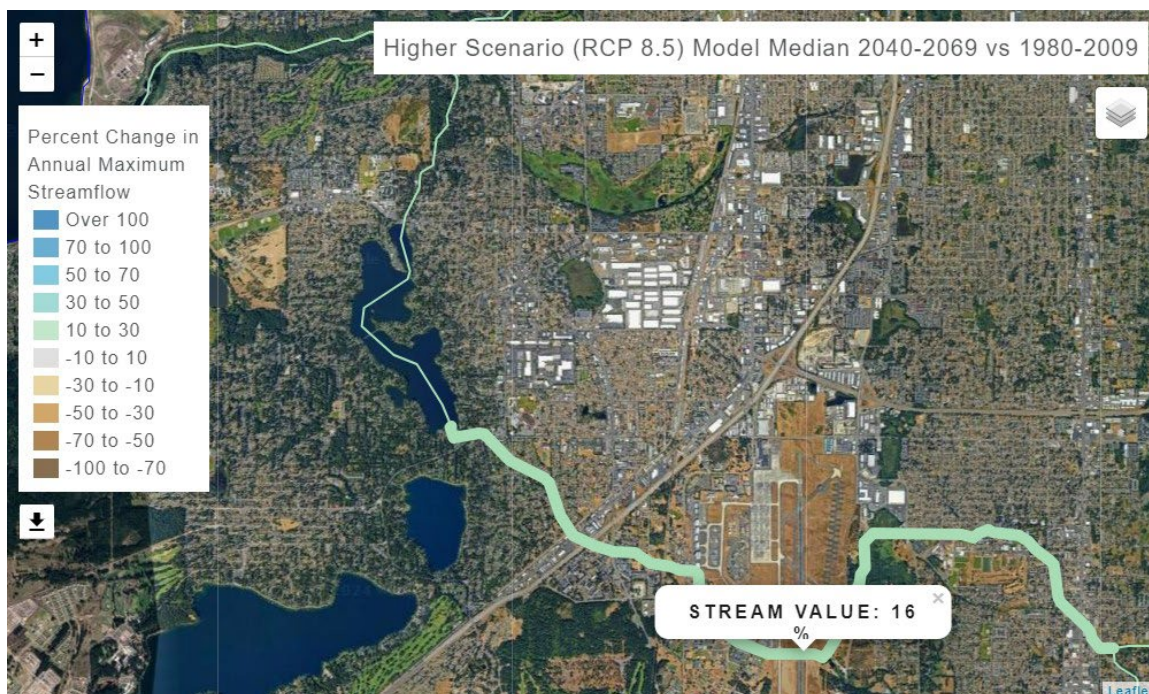


**Exhibit 5-5. Extreme Precipitation, Pct Change Magnitude of the 2-Year Storm: 2040–2069 Higher Scenario.**



Source: Salathé et al. 2010; BERK 2023; UW CIG 2022.

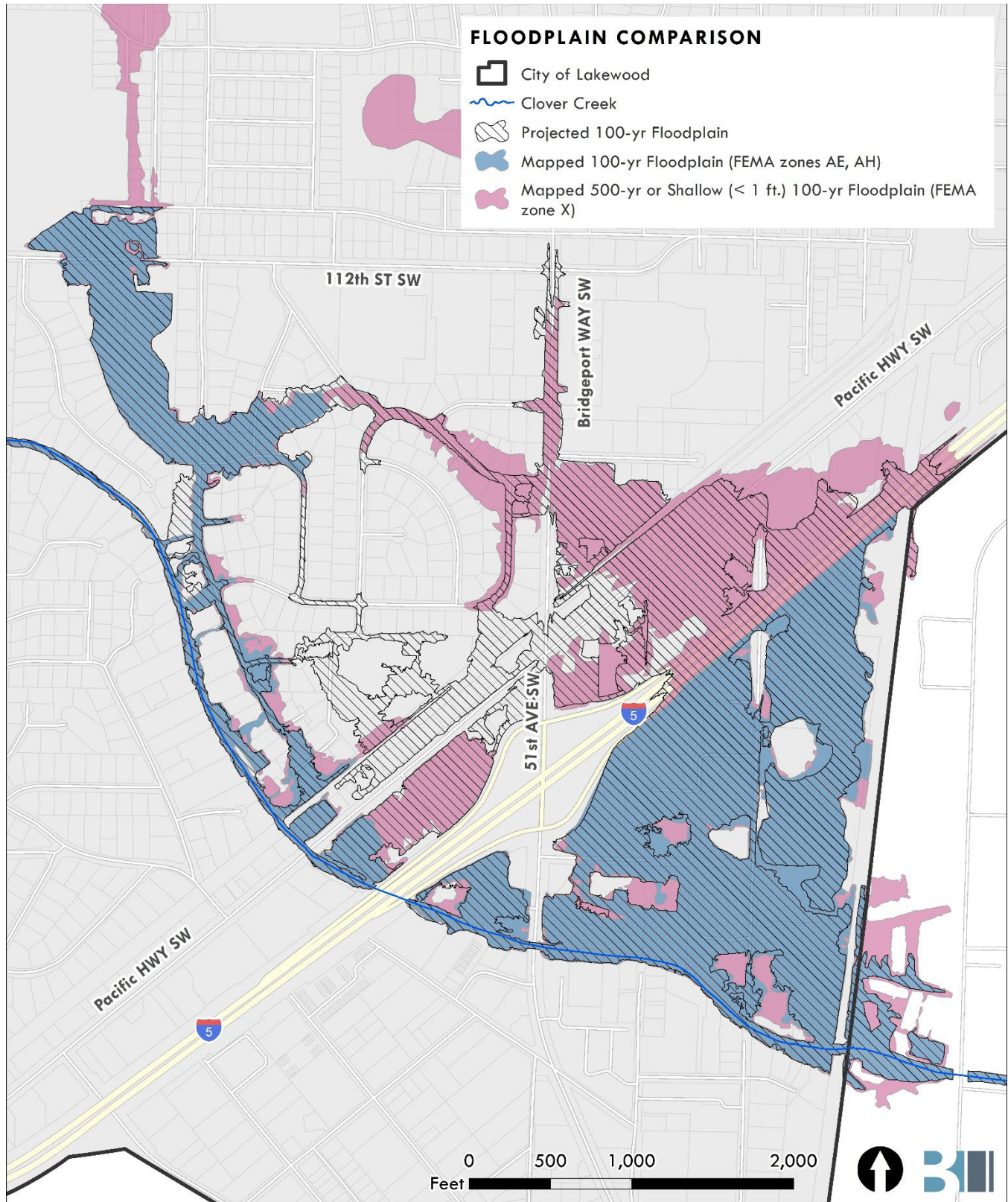
**Exhibit 5-6. Percent Change in Annual Maximum Streamflow.**



Source: UW CIG 2022.



**Exhibit 5-7. Clover Creek FEMA Floodplain Comparison.**



Source: FEMA, 2017; BERK 2022

## Wildfire Risk

In recent years, communities across western Washington have grown increasingly concerned about the role of climate change in amplifying wildfire risk in the region. The prevalence of large-scale wildfires in eastern Washington, California, British Columbia, and elsewhere have led to smoke events that have directly impacted air quality in western Washington, which have exacerbated health risks to vulnerable populations. Additionally, shifting climate patterns are also expected to increase the likelihood of wildfires in local communities, increasing the risk of property loss and impacts to city residents.

As these changes become more pronounced, there is a growing need to prepare for and respond to wildfire dangers and raise public awareness about the associated risks. In Lakewood, portions of the city are also at higher risk of wildfires. As shown in Exhibit 5-8, these areas are categorized as “interface” and “intermix”, where structures or developments are surrounded on two or more sides by wildlands.

## Disparate Impacts

Climate change disproportionately impacts disadvantaged communities due to existing vulnerabilities and a lack of capacity for adaptation. For one, these communities often face greater exposure to climate hazards such as heatwaves, floods, and poor air quality because of their location and local conditions. Lower-income neighborhoods may lack adequate infrastructure to withstand severe weather events, for example, leading to increased flood risks and damage to property. These communities are also often found in areas with higher environmental pollution, which can compound health impacts such as respiratory issues from increased air pollution.

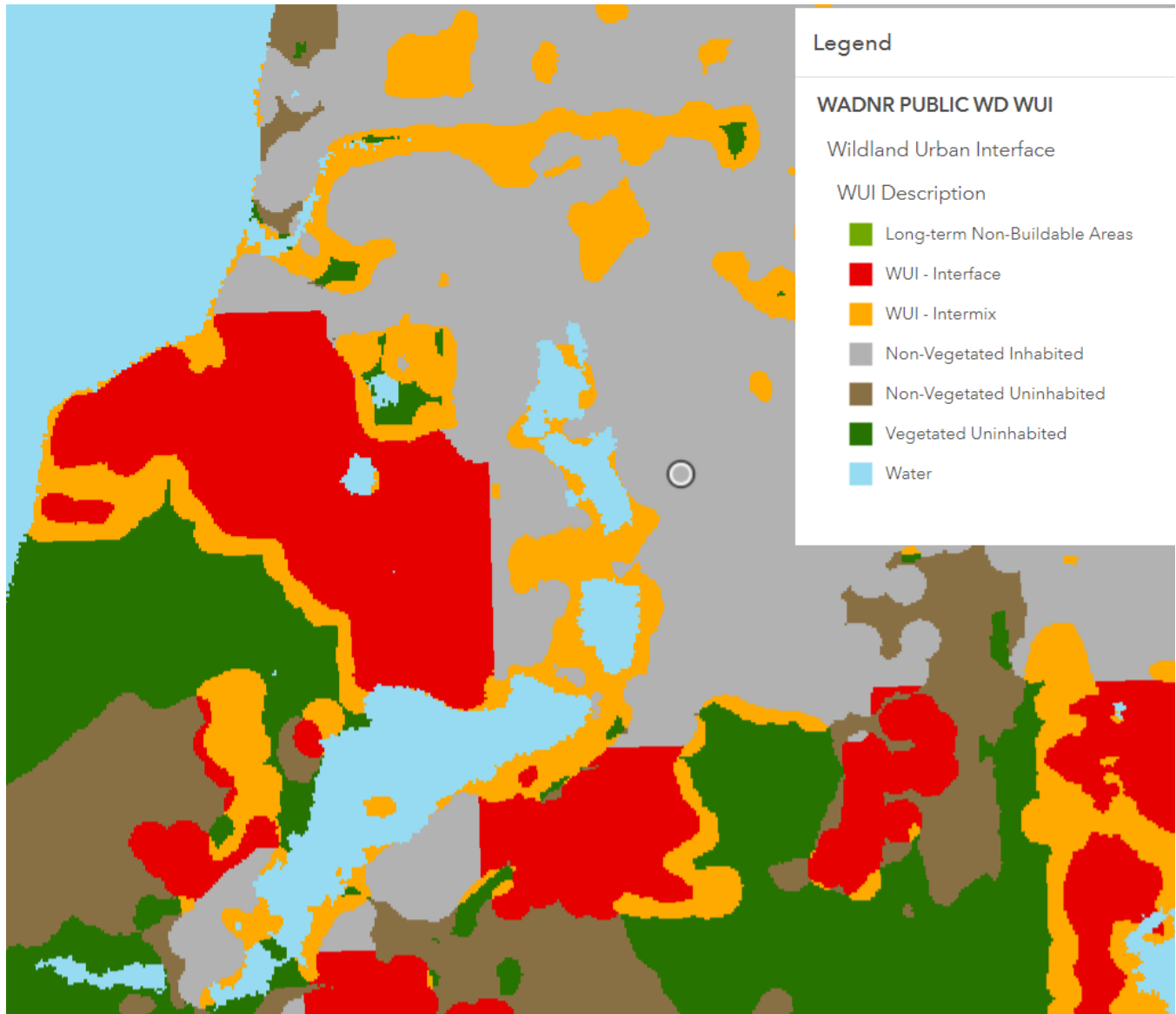
The ability of disadvantaged communities to cope with and recover from climate-related hazards is often limited by systemic inequities. Socioeconomic factors such as lower income, limited access to healthcare services, and reduced mobility limit the capacity to prepare for or respond to disasters. The combination of these factors leads to a higher overall risk, making climate resilience a critical issue for these populations even more than the broader public. This can require targeted policies that not only mitigate climate hazards but also strengthen the social and economic fabric of these communities.

The following exhibits identify major concerns for disparate impacts in Lakewood:

- Exhibit 5-9 presents the broader equity index map, which is used by the city to identify and qualify concerns with inequities in different systems.
- Exhibit 5-10 displays both exposure to climate-related hazards and an associated equity index to highlight those areas where communities both face significant climate impacts and may not have the resources to manage these impacts effectively.

From these maps, there are several communities where these effects are particularly severe. Areas such as Parkland, Midland, Lakewood, Spanaway, and JBLM include the highest concentrations of low-income households in Pierce County, which make them highly vulnerable to these impacts and should present a focus for future policy.

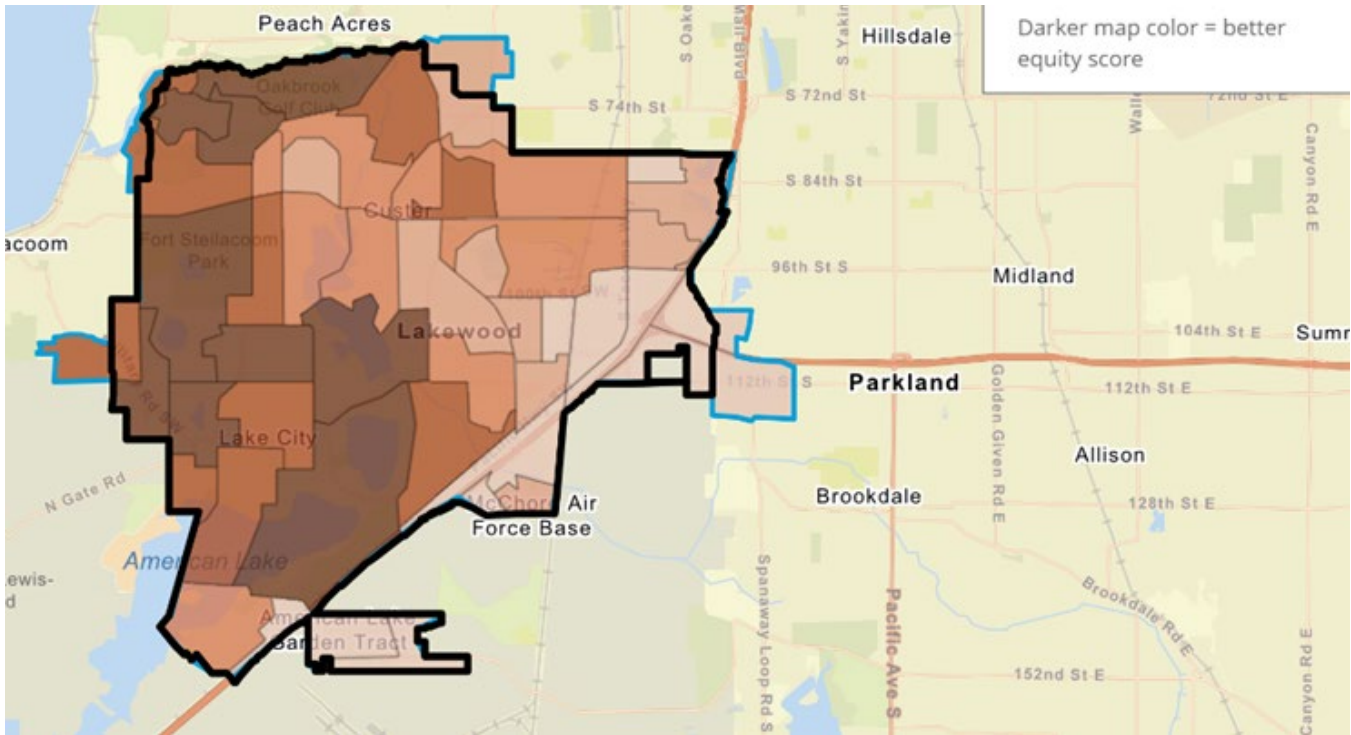
**Exhibit 5-8. Wildland Urban Interface, Department of Natural Resources**



Source: Department of Natural Resources, May 30, 2024.

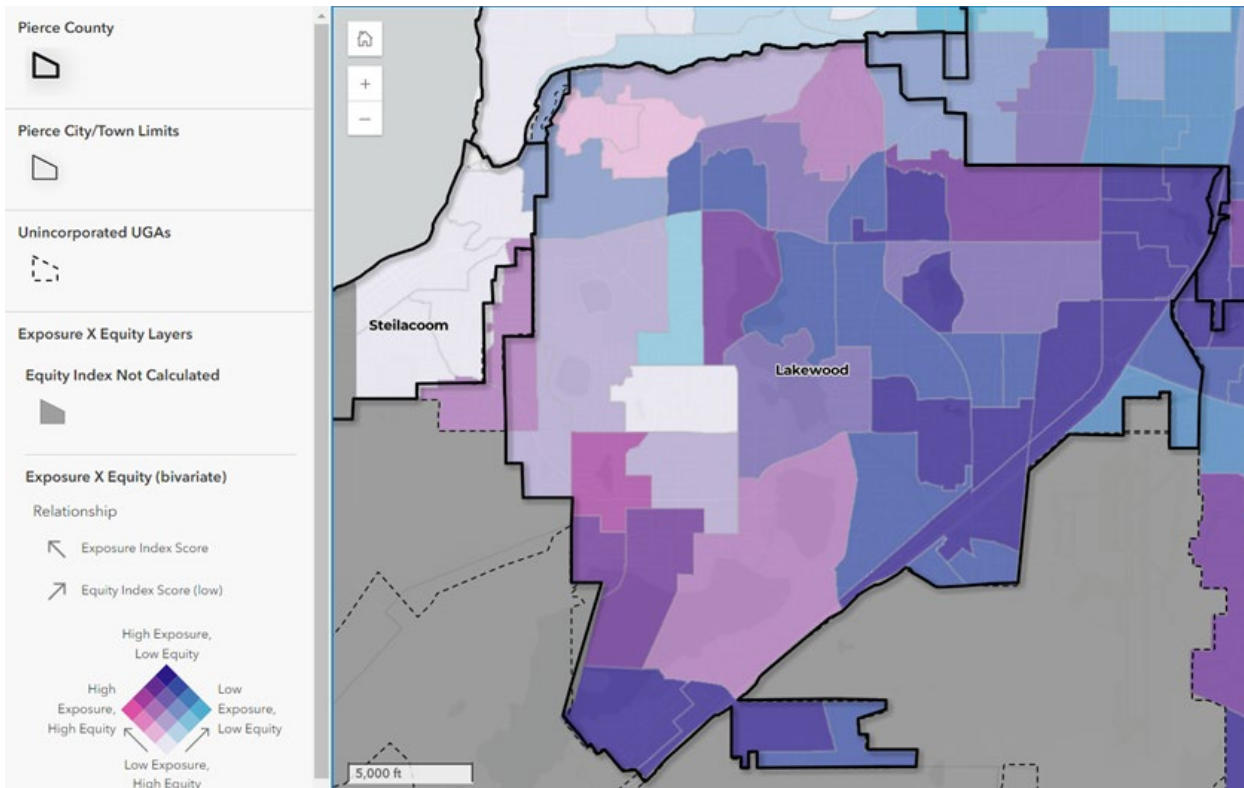


**Exhibit 5-9. Lakewood Equity Index Map.**



Source: US Census 2020; CAI, 2024.

**Exhibit 5-10. Climate Exposure and Equity in Lakewood Vicinity.**



Source: BERK 2023.

## 5.2.2 Local Greenhouse Gas Emissions

Exhibit 5-11 shows changes in greenhouse gas emissions in the City of Lakewood from 2019 to 2022, as identified through Google Environmental Insights Explorer. In Lakewood, these emissions are primarily generated by motor vehicles and buildings, and I-5 is a significant source of emissions. Additionally, buildings contribute to emissions directly through heating and indirectly through electricity consumption. Factors such as the types of heating and cooling used, the carbon intensity of electricity generation, and the energy efficiency of buildings influence the emissions from the built environment.

Overall, emissions in Lakewood have decreased during the 2019–2022 period. While transportation remains the largest source of emissions, its share decreased by 4%, likely due to improved vehicle fuel efficiency and reduced commuting during the pandemic. Residential emissions also saw an overall decline, but there was an increase in total residential emissions due to the inclusion of residential diesel emissions in the calculations.

**Exhibit 5-11. Comparison of Lakewood GHG Emissions in 2019 and 2022.**

Emission-Type	2019 Emissions (MgCO <sub>2</sub> e)	Percent of Total	2022 Emissions (MgCO <sub>2</sub> e)	Percent of Total	Difference
<b>Residential</b>					
Residential Electricity	72,121	11%	68,800	11%	(3,321)
Residential Natural Gas	59,071	9%	46,400	7%	(12,671)
Residential Diesel	N/A	N/A	44,800	7%	44,800
<b>Sub-Total</b>	<b>131,192</b>	<b>21%</b>	<b>160,000</b>	<b>26%</b>	<b>28,802</b>
<b>Commercial/Industrial</b>					
Non-Residential Electricity	110,746	17%	95,040	15%	(15,706)
Non-Residential Natural Gas	35,629	6%	18,480	3%	(17,149)
Non-Residential Diesel	N/A	N/A	18,480	3%	18,480
<b>Sub-Total</b>	<b>146,375</b>	<b>23%</b>	<b>132,000</b>	<b>21%</b>	<b>-14,375</b>
<b>Transportation</b>					
On-road vehicles – cross boundary inbound	156,997	25%	148,607	24%	(8,390)
On-road vehicles – cross boundary outbound	158,353	25%	150,197	24%	(8,156)
On-road vehicles – in boundary	34,216	5%	28,187	5%	(6,029)
Bus VMT – Cross boundary inbound	5,274	<1%	2,586	<1%	(2,687)
Bus VMT – Cross boundary outbound	5,955	<1%	2,929	<1%	(3,025)
Bus VMT – In boundary	1,048	<1%	606	<1%	(442)
<b>Sub-Total</b>	<b>361,843</b>	<b>57%</b>	<b>333,114</b>	<b>53%</b>	<b>-28,729</b>
<b>Total Emissions</b>	<b>639,410</b>		<b>625,112</b>		<b>-14,296</b>

Source: City of Lakewood, 2021; Google Environmental Insights Explorer 2024; BERK 2024

## 5.2.3 Actions Taken

### Actions by Other Agencies

Issues related to climate change are significant across different levels of government. Different efforts ranging from federal and international efforts to state, regional, and local initiatives are all focused on addressing the clear needs both to reduce the emissions of greenhouse gases and to adapt to the impacts of a warming climate.

#### State

State level actions have included several major bills recently, including:

- The **Clean Buildings Act** ([HB 1257](#)), which requires all new commercial buildings over 50,000 square feet to reduce their energy use intensity by 15% compared to the 2009-2018 average by 2026–2028.
- The **Clean Fuel Standard** ([HB 1091](#)) requires a 20% reduction in the carbon intensity of transportation fuels by 2038 compared to a 2017 baseline, which is achieved through cleaner fuels or credits.
- The **Internal Combustion Engine Ban** ([SB 5974](#)) establishes a target that all passenger and light duty vehicles of model year 2030 and later must be electric vehicles, and the sale of gasoline/diesel passenger vehicles would be banned by 2030.
- The **Clean Energy Transformation Act** ([SB 5116](#)) applies to electric utilities serving Washington customers, which must eliminate coal-fired electricity from their portfolios by 2025, demonstrate carbon neutrality by 2030, and supply Washington customers with 100% renewable or non-emitting electricity by 2045.
- The **Climate Commitment Act** ([E2SSB 5126](#)) places an economy-wide cap on carbon to meet the state GHG reduction targets and requires that 35-40% of the investments from the program proceeds must be made in overburdened communities to reduce health disparities and create environmental benefits.
- **Mandatory Climate Elements** have been required through [HB 1181](#) so local governments incorporate climate change into comprehensive plans through an individual element and additional requirements in other sections.

These actions highlight ongoing efforts to control major sources of emissions that are under the regulatory authority of the state government, and to indicate a path forward with respect to cleaner fuels, electricity generation, building energy efficiency, and local planning and development.

#### Regional

The PSRC has established several regional goals and policies with respect to climate change action as part of the VISION 2050 regional plan. Overall regional targets under this plan focus on implementing the goals of the Puget Sound Clean Air Agency, with:

- A 50% reduction in emissions from 1990 levels by 2030; and
- A 80% reduction in emissions from 1990 levels by 2050.



In addition to a focus on these emissions reduction goals, VISION 2050 also includes other key climate change policies for:

- Reducing building energy use;
- Expanding energy conservation and alternative energy sources;
- Reducing vehicle miles traveled and promoting the electrification of the transportation system;
- Protecting natural carbon storage in trees and forests;
- Addressing impacts of climate change on vulnerable populations in the region;
- Supporting resilience to the impacts of climate change;
- Understanding the effects of climate change on hydrological systems; and
- Encouraging county and local planning for climate change.

## County

Pierce County's actions with respect to climate change have been based on ongoing sustainability plans, with the most recent being the Sustainability 2030: Greenhouse Gas Reduction Plan passed in 2021. This Plan focuses on six major areas of action:

- Energy and Built Environment;
- Transportation;
- Waste Reduction;
- Nature-based Climate Solutions;
- Education & Outreach; and
- Growing Community Capacity.

Under this framework, the County is committed to reducing communitywide GHG emissions by 45% below the 2015 county baseline by 2030.

## **City Actions to Date**

The City of Lakewood has taken several actions recently to address both GHG emissions and climate change impacts, including the following:

- **Energy and Climate Change Chapter:** In 2021, the City of Lakewood adopted a new Comprehensive Plan Energy and Climate Change Chapter (ECCC) to proactively develop policies, incentives, and voluntary actions, and regulations about climate change and address the particular causes and effects at a local level.
- **City Tree Code and Urban Forestry:** In 2022, the City adopted a new tree regulation to promote tree preservation and protect some of the City's most significant trees, including the Oregon White Oak. This ensures that into the future the local urban forests in Lakewood can serve as carbon storage.
- **Ordinance No. 776:** In 2022, the City adopted Ordinance No.776 to establish a three-year climate change work plan. It included fourteen items to make progress towards responding to the impacts of climate change and relevant future goals and policies. These goals include a five-year plan in

partnership with PSE, Tacoma Power, Lakeview Light & Power, and the Pierce County Sustainability Collaborative to support GHG emission reduction

- **Lakewood Non-Motorized Transportation Plan:** The City developed a complete plan to review and support non-motorized transportation in the city. This Plan, completed in June 2023, highlights many of the obstacles faced with developing a consistent network for cyclists and pedestrians, and proposes a prioritization framework to determine key projects to complete to build out an interconnected system.

## 5.2.4 Lakewood and Future Climate Change Response

Based on the work conducted through engagement with the public on climate change, the community sees that there are several key principles to be considered as part of a comprehensive response to climate change in the community.

### **Finding 1: Lakewood can provide leadership and engagement.**

The city will seek opportunities to develop cross jurisdictional solutions based upon state and federal emission reduction targets. Lakewood can play an active role in these efforts by:

- Collaborating and partnering with relevant agencies and organizations to advocate for substantive action on climate change;
- Raising awareness among Lakewood residents and businesses about key climate change challenges and solutions;
- Leading by example by incorporating new energy efficiency practices and policies;
- Partnering with other local agencies to create a regional approach to addressing climate change; and
- Incorporating environmental justice, and equity policies and programs into climate change decision-making.

### **Finding 2: Lakewood can actively regulate land uses to reduce greenhouse gas emissions.**

There is a close link between levels of energy consumption and land development patterns. Land use policies that encourage goods and services to be located within convenient walking distance of residential neighborhoods can decrease reliance on private automobiles. This in turn has the positive benefit of decreased daily energy use. Sustainable development patterns require:

- Promoting mixed-use and infill development in the Downtown and other major activity centers, along key commercial corridors and on vacant and underutilized parcels;
- Promoting walkability in neighborhoods by improving streetscape design and locating housing close to local serving uses and public spaces;
- Prioritizing the use of green and sustainable development standards and practices in planning, design, construction and renovation of buildings and infrastructure;
- Promoting the integration of neighborhood commercial uses in residential areas; and
- Supporting urban agriculture and making locally grown food accessible to all residents.

### **Finding 3: Lakewood can improve upon its active modes of travel.**

Private automobiles remain the primary mode of travel in the city. Public transit, pedestrian and bicycle facilities can be improved to ensure that transit and active modes of travel become more viable options. Climate-friendly vehicles can also make a significant contribution to emissions reduction. The city can promote climate friendly and efficient transportation options by:

- Coordinating with and supporting Pierce County Transit's efforts toward expanding public transit service to improve mobility and reduce reliance on the private automobile;
- Promoting walking and bicycling as a safe and convenient mode of transportation;
- Supporting safe routes to schools and improving bicycle, pedestrian, and transit access;
- Advocating for a local long distance passenger rail system to serve the community;
- Reducing reliance on private automobiles as a primary mode of transportation to decrease emissions from vehicle trips; and
- Committing to acquiring fuel efficient vehicles and equipment.

**Finding 4: Restoring and protecting the natural environment will help to mitigate impacts of climate change.**

Climate change will have impacts on human and environmental health. A healthy natural environment will help enable the community to respond to future climate change-related events. Lakewood can address these challenges by:

- Restoring and expanding ecological systems to support the natural functions of soil, water, tree canopies, creeks, open space, and other natural resources; and
- Conserving and protecting wetlands, uplands, and natural resources.

**Finding 5: Preparing for potential climate change impacts is as critical as reducing greenhouse gas impacts and planning for long-term sustainability.**

Communities must reduce greenhouse gas emissions to reduce or even reverse the impacts of climate change. Communities must also prepare for potential impacts to human and environmental health in the short and medium term. Action at the local level to adapt to future impacts will require adequate planning for changing weather patterns.

## 5.3 Goals and Policies

### / EC-1 Provide Leadership in Managing Climate Change.

Take steps to address climate change and to manage its effects. Partner with other jurisdictions, organizations, residents, and businesses to address climate change and support climate resiliency solutions.

- EC-1.1 **Provide Leadership and Advocacy:** Take a leadership role in advocating for local and regional climate change solutions, forge new partnerships, develop innovative solutions, and continue to support and promote regional climate change and sustainability efforts.
- EC-1.2 **Increase Public Awareness and Support:** Encourage residents and businesses to reduce their carbon footprint by raising their awareness about the impacts of climate change and by building support for climate change initiatives in Lakewood through education, data, and partnerships with community-based organizations and utility companies.
- EC 1.3 **Provide Resources about Climate Change Impacts:** Develop educational resources and publicly available data to build awareness of the impacts of climate change in Lakewood.
- EC-1.4 **Achieve Regional Greenhouse Gas Emissions Goals:** Work to achieve regional goals of reducing the emissions of greenhouse gases that contribute to climate change consistent with the goals of VISION 2050 and the Puget Sound Clean Air Agency. These goals are set at reductions of 50% below 1990 levels by 2030 and 80% below 1990 levels by 2050.

### / EC-2 Improve Clean and Efficient Transportation Options.

Expand the city's transportation network by encouraging the use of climate-friendly technology, planning growth around multiple modes of travel, and reducing automobile reliance.

- EC-2.1 **Expand Affordable Public Transit:** Lakewood will coordinate with transportation agencies and support enhanced and expanded public transit to improve mobility options for residents and visitors.
- EC 2.2 **Develop Safe and Convenient Walking and Bicycling Routes:** Prioritize and incentivize walking and bicycling as safe and convenient modes of transportation.
- EC 2.3 **Expand Regional Passenger Rail:** Work with Amtrak and Sound Transit to expand commuter rail service and existing parking facilities.
- EC-2.4 **Reduce Private Automobile Use:** Work toward creation of an urban landscape that will reduce reliance on private automobiles through land use planning and by providing amenities and infrastructure that encourage safe and convenient use of public transit, walking and bicycling. Commute Trip Reduction programs cannot happen without partnership with local business organizations and local transit advocates.

EC-2.5 **Improve Multimodal Transportation Options:** Promote improved public transit and partner with private developers to undertake citywide improvements that make active modes of travel, such as walking and bicycling, more comfortable and preferable options.

### **/ EC-3 Increase Sustainable and Energy-Efficient Systems.**

Reduce the city's consumption of energy by encouraging energy conservation and supporting the consumption of energy produced by climate-friendly technologies.

EC-3.1 **Expand Renewable Energy:** Promote the generation, transmission and use of a range of renewable energy sources such as solar, wind power and waste energy to meet current and future demand.

EC-3.2 **Promote Energy Efficiency and Conservation:** Promote efficient use of energy and conservation of available resources in the design, construction, maintenance and operation of public and private facilities, infrastructure and equipment with partners..

EC-3.3 **Promote Solid Waste Reduction and Recycling:** Promote waste reduction and recycling to minimize materials that are processed in landfills.

EC-3.4 **Promote Water Conservation and Reuse:** Promote water conservation and recycled water use to reduce energy use associated with wastewater treatment and management.

### **/ EC-4 Encourage Sustainable Development.**

Reduce energy consumption by promoting sustainable land uses and development patterns.

EC-4.1 **Promote Mixed-Use and Infill Development** Promote mixed-use, high-density, infill development on vacant and underutilized parcels along commercial corridors, in the Downtown area, and in the Lakewood Station District.

EC-4.2 **Develop Compact Walkable Neighborhoods and Livable Streets** Promote safe and walkable neighborhoods and inter-connected streets through the design of complete streetscapes, public gathering places and all types of physical development that encourages less vehicle use.

EC-4.3 **Encourage Green Buildings and Landscaping:** Encourage the use of green and sustainable development standards and practices in planning, design, construction and renovation of facilities.

EC-4.4 **Promote Green Infrastructure:** Develop green infrastructure standards that relies on natural processes for stormwater drainage, groundwater recharge and flood management.

EC-4.5 **Encourage Efficient Development Patterns:** Pursue infill development opportunities and encourage the construction of higher-density, mixed-use projects around existing public transit infrastructure, schools, parks, neighborhood-serving retail and other critical services.

EC-4.6 **Promote Sustainable Practices:** Incorporate ecologically sustainable practices and materials into new development, building retrofits and streetscape improvements.

## **/ EC-5 Develop a Climate Resilient Community.**

Ensure that the long-term effects of climate change and other hazards are minimized on the community.

EC-5.1 **Identify Risks:** Improve the ability to identify areas prone to greater risk from climate change hazards and restrict development and redevelopment in those areas. Increase support for mapping and data collection of high-risk areas.

EC-5.2 **Prepare a Hazard Management Plan:** Develop a comprehensive approach to hazards management planning to include possible climate change scenarios and includes both pre-incident and post-incident responses.

- Ensure that emergency response plans are in place to minimize impacts of future events.
- Address the needs of vulnerable populations during emergency conditions such as extreme heat or smoke events.
- Develop post-disaster redevelopment plans.
- Expand federal and state support for climate-related hazards management.
- Continue to coordinate and cooperate with the hazards-management community.

EC-5.3 **Adopt and Enforce Building and Energy Codes:** As required by Washington State, update building and life safety codes to better address the variety of hazards that are likely to result from climate change.

EC-5.4 **Plan for Flood Risks.** Consider flood risks in the development and management of city infrastructure and facilities.

EC-5.5 **Improve the Urban Tree Canopy.** Enhance the quality and sustainability of the urban forest and urban tree canopy to mitigate urban heat island effects, address stormwater drainage concerns, and meet environmental quality goals.

EC-5.6 **Plan for Climate Resiliency with Public Facilities:** Develop a resilience strategy for the purposes of maintaining strong city finances and livable places, thereby allowing the city to more easily adapt to emergent climate-related disasters. As part of this strategy, incorporate climate-resilient designs in public infrastructure, especially city parks, recreation facilities, and buildings.

EC-5.7 **Encourage Local Resiliency Efforts:** Promote efforts by local businesses to utilize and market climate-resistant features, renewable energy, and other sustainable practices.

EC-5.8 **Address Disproportionate Impacts of Hazards:** Improve the resilience of overburdened communities to the impacts of climate change through outreach and investment.



EC-5.9 **Provide Information About Local Resiliency:** Build awareness in the community about the risks from natural disasters and other emergencies and the public programs intended to address these impacts.

# 6 Housing

## 6.1 Introduction

The Housing Element sets the stage for a vibrant, sustainable, family-oriented community through the balanced allocation of land for a variety of housing types affordable to all household incomes. It accommodates growth and promotes the use of transit amenities in the city. Housing and retail or commercial development may be interwoven in some areas where they would mutually benefit one another; elsewhere, different land uses remain discrete to meet other goals.

The goals and policies of the Housing Element will be realized through the city's implementation strategies, including strategic infrastructure improvements; future subarea planning; technical area planning; design and development regulations; the process of development review; and other such methods.

## 6.2 Background

Lakewood possesses a diverse housing stock with a wide range of unit types and prices, most of which were constructed prior to incorporation in 1996. The inventory includes large residential estate properties, single-family homes of all sizes, some townhouses, semi-attached houses, low- and mid-rise apartments, and high-density apartments.

The Housing Element is based on an assessment of Lakewood's current demographics and existing housing stock. It also is consistent with:

- the GMA;
- the MPPs and Regional Growth Strategy included within VISION 2050;
- the Pierce County CPPs; and
- other elements of the Lakewood Comprehensive Plan.

The Housing Element considers how Lakewood will accommodate its share of projected regional growth and how it will provide housing for all economic segments of its population. It provides a framework for addressing the housing needs of current and future residents. Finally, it serves as a guide for protecting and enhancing the quality of life in residential areas.

The Appendix to this report includes additional information about Lakewood's housing stock and planning requirements.

## 6.2.1 Population and Housing Targets

The city is required under the GMA to plan towards specific housing targets to address expected growth over the next 20 years. These targets include:

- Overall estimates of the housing necessary to meet population growth.
- Targets for housing affordable across different economic segments of the population, reflecting a variety of residential densities and housing types, as well as preservation of existing affordable housing.
- Needs for housing to meet specific needs for housing insecure groups, including permanent supportive housing (PSH) and emergency shelter beds.

These targets have been adopted as part of the Pierce County CPPs, with the breakdown of housing by income category and specific needs provided under Pierce County Ordinance 2023-22s.

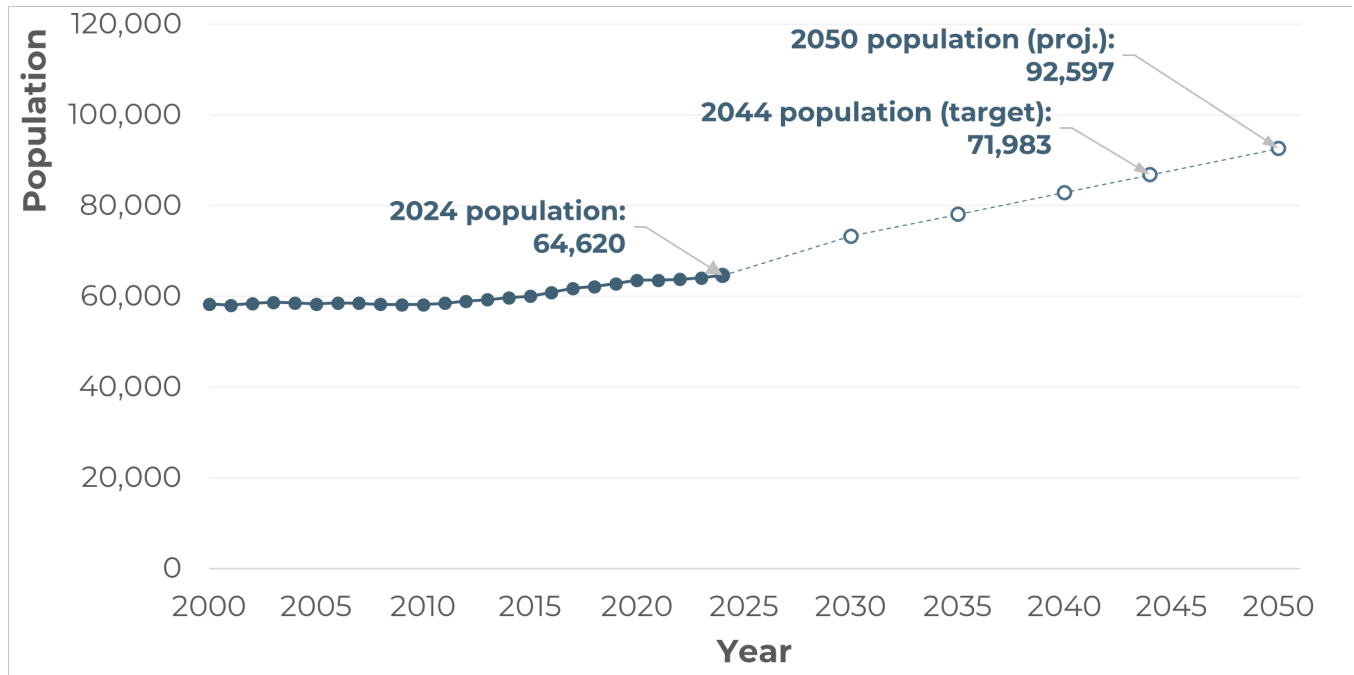
The following exhibits highlight the targets to be addressed in the Comprehensive Plan:

- Exhibit 6-1 provides the current population of Lakewood and expected population in 2044 under the current CPPs, as well as a projected population to 2050.
- Exhibit 6-2 presents the current number of housing units in Lakewood in 2023, as well as the housing unit targets to 2044 under the CPPs.
- Exhibit 6-3 gives the housing targets by household income, based on Area Median Income (AMI) for Pierce County and the type of housing.

As shown in these figures, **a net increase of 9,378 housing units** will be required between 2020 and 2044. As noted in Exhibit 6-4, there are specific targets which will impact the types of housing that will need to be built to meet local needs. Generally, these targets translate to housing types as follows:

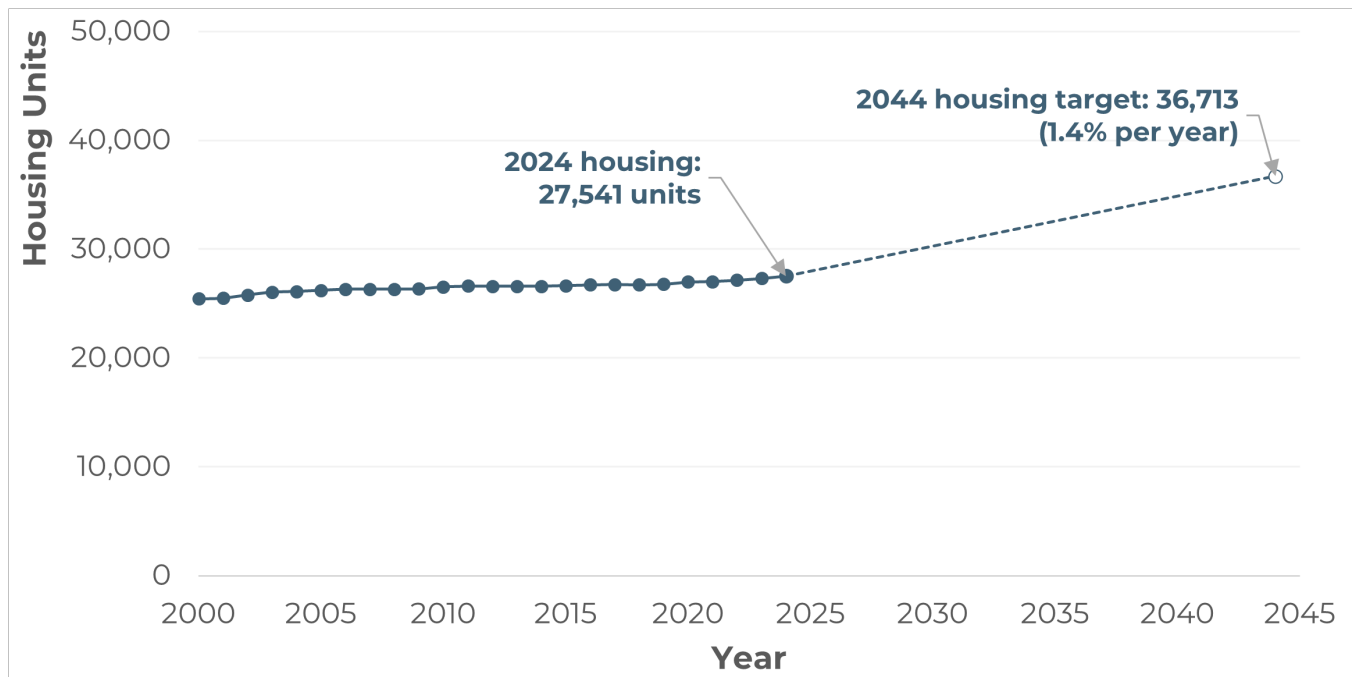
- **Permanent supportive housing: 1,637 units**, which includes not only housing, but also wraparound services for residents, will require multifamily apartment development types and will account for 17% of the net increase in housing by 2044.
- **Multifamily apartment units: 4,326 units** in denser formats are allocated to meet the needs of households at 80% of AMI or below. This amounts to 46% of the net housing increase. Given the comparatively low rents, these unit types may need to be built with additional financial support and subsidies from government agencies and other organizations.
- **Middle housing units: 1,128 units**, such as townhouses and plex development, are assumed to meet needs at 80–120% of AMI. These housing units may need some subsidies or incentives to be built, but can largely consist of market-rate units. About 12% of the total housing built will be needed to accommodate this AMI range's housing needs by 2044.
- **Other housing types: 2,287 units**, including single-family detached housing, for the needs of households at 120% of AMI or higher. Note that these units will account for about 24% of the total target. These will likely be fully market-rate housing with no need for additional incentives, but note that these targets could be built within mixed-income housing projects that include both affordable and market-rate units.

**Exhibit 6-1. Current and Projected Lakewood Population, 2000–2044.**



Source: WA Office of Financial Management, 2024

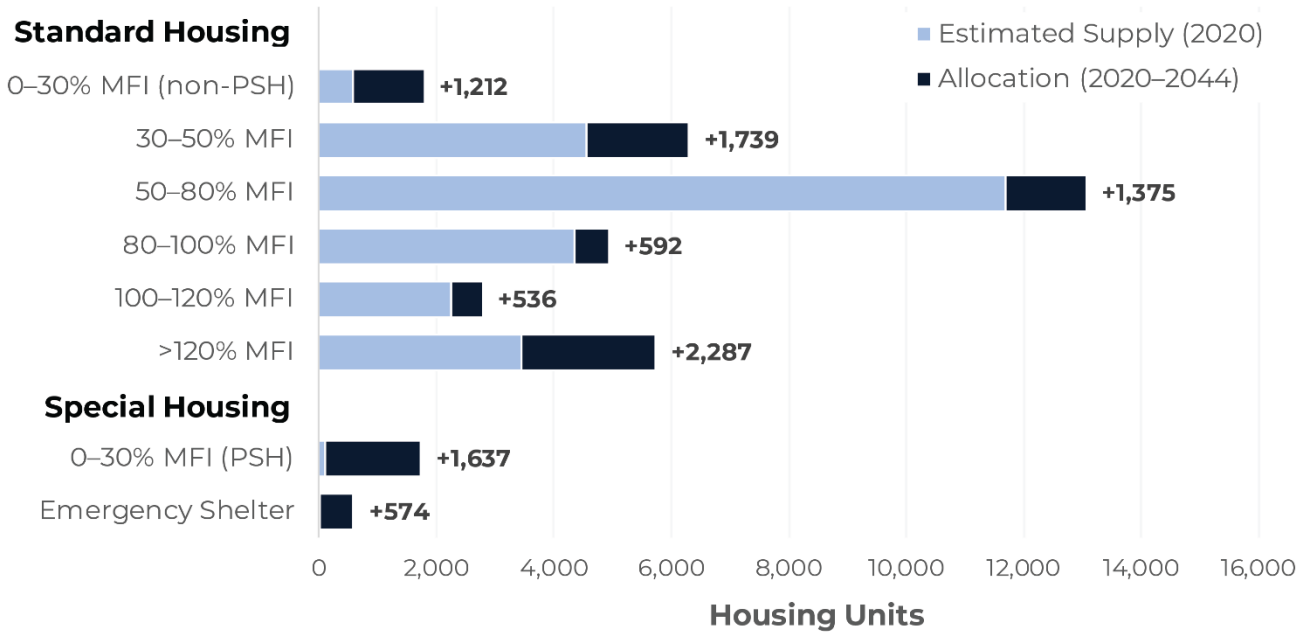
**Exhibit 6-2. Current and Projected Lakewood Housing Units and Capacity, 2000–2044.**



Source: WA Office of Financial Management, 2024.

**Exhibit 6-3. Lakewood Housing Needs by Income Level (% of Area Median Income).**

	2020 Est. Supply	2044 Target	Allocation, 2020–2044
<b>Total Housing Units</b>	<b>26,999</b>	<b>36,377</b>	<b>+9,378</b>
0–30% AMI			
<i>Permanent Supportive Housing</i>	101	1,800	+1,637
<i>Additional Housing</i>	588	1,468	+1,212
30–50% AMI	4,565	6,304	+1,739
50–80% AMI	11,699	13,074	+1,375
80–100% AMI	4,347	4,939	+592
100–120% AMI	2,250	2,786	+536
120% AMI or higher	3,449	5,736	+2,287
<b>Emergency Units</b>	<b>8</b>	<b>582</b>	<b>+574</b>



Source: Pierce County, 2023.

In addition to the overall needs for housing, including subsidized housing types and permanent supportive housing for people facing chronic housing instability, these housing targets also specify the need for an **additional 574 emergency shelter beds** to be built by 2044.

## 6.2.2 Housing Stock and Production

To understand local trends in housing production and the possible need for adjustments to address future housing targets, statistics on housing stock are highlighted in the following figures:

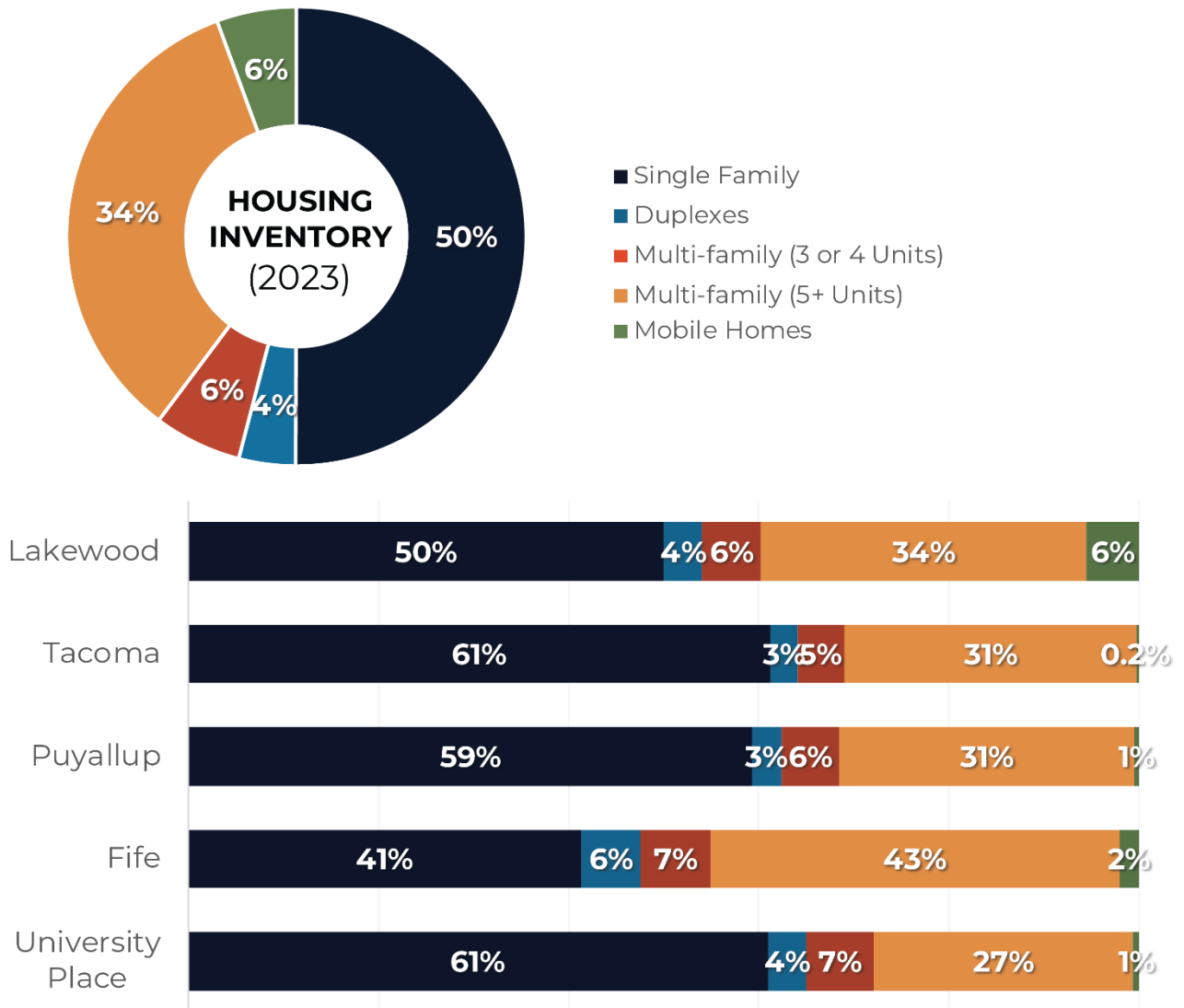
- Exhibit 6-4 provides a breakdown of the current housing stock in Lakewood by housing type, including an assessment of the mobile homes in the city. This figure also compares this breakdown in Lakewood to those in other nearby communities.
- Exhibit 6-5 includes data on housing production in Lakewood between 2010 and 2023. This includes both housing production by year and overall totals for this period.

This highlights several major points:

- **Lakewood has had a long history of single-family housing development.** While Lakewood has a smaller relative proportion of single-family detached housing than other communities in the area, half of the housing available as of 2023 consists of these units. This housing type is dominant in the city, and future planning for growth needs to consider the prevalence of this development pattern.
- **Recent growth has been more dominated by multifamily housing, however.** While half of housing in Lakewood consists of single-family units, recent development has included more attached housing and multifamily housing types. Over half of housing built since 2010 has been larger multifamily projects, and plex development has accounted for an additional 12% of total growth.
- **Manufactured housing plays a greater role in the local housing market.** As opposed to other comparable communities in Pierce County, mobile and manufactured homes form about 6% of the city's housing stock. While this is a small part of the total market, this housing type often provides options for lower-income households, and local housing policy should consider the management of manufactured home parks as part of an effort to retain affordable housing.

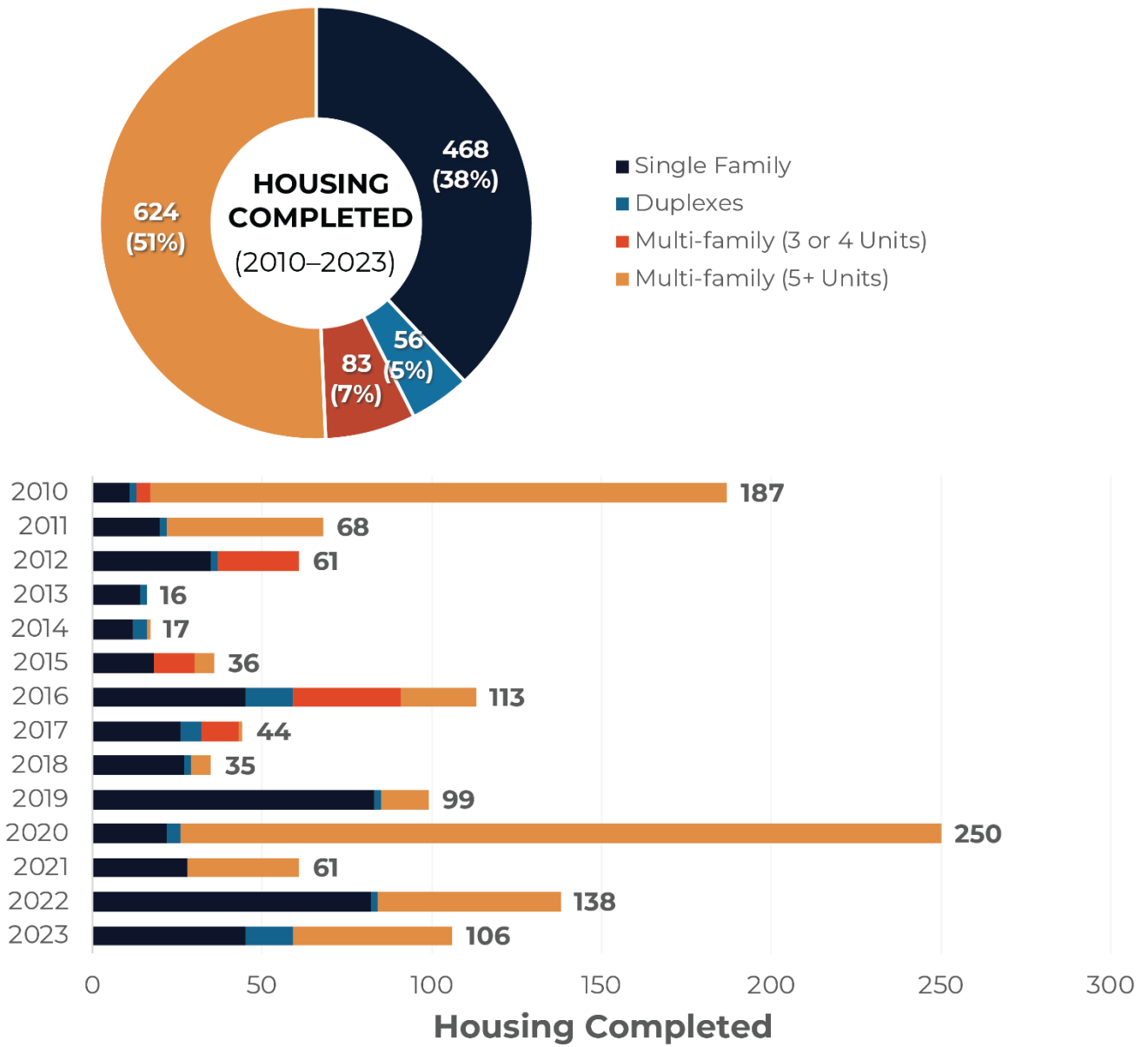


**Exhibit 6-4. Proportion of Current Housing Types, Lakewood and Surrounding Communities, 2023.**



Source: WA Office of Financial Management, 2024.

**Exhibit 6-5. Housing Units Completed in Lakewood by Type, 2010–2023.**



Source: WA Office of Financial Management, 2024.

## 6.2.3 Housing Capacity and Targets

Exhibit 6-6 provides an estimate of current housing capacity and expected growth to 2044 in Lakewood given changes in recent state statutes regarding allowable housing densities. This table includes outputs from an assessment of available developable land, including:

- **Projected housing needs** for specific household income categories (based on percent AMI).
- A description of the **zoning categories** that could meet the identified needs.
- **Aggregated housing needs** based on the zoning categories.
- **Total net capacity** within the identified zoning categories.
- A **combined net capacity** that aggregates targets at 80% AMI and above to reflect the significant increase in middle housing capacity available and the need to meet targets through growth in these areas.
- The **net capacity surplus / deficit** in capacity under this analysis.

Under this assessment, three different targets by housing type are included:

- Low-rise multifamily and accessory dwelling units for households at **80% AMI or below**, likely identified for rentals;
- Moderate density housing, specifically middle housing options such as plexes and townhomes, identified for **80–120% AMI**, with a mix of rental and ownership options; and
- Lower density housing, including single-unit detached housing, allocated for **120% AMI or above** and likely including mostly owner-occupied housing.

**Exhibit 6-6. Estimates of Total Capacity and Expected Growth, 2020–2044.**

Income	Projected Housing Need	Zoning Categories Serving Needs	Aggregate Housing Needs	Total Net Capacity	Combined Housing Needs	Combined Net Capacity	Net Capacity Surplus/Deficit
0-30% Non-PSH	1,212	Low-Rise Multifamily	5,963	9,838	5,963	9,838	4,533
0-30% PSH	1,637						
>30-50%	1,739						
>50-80%	1,375						
>80-100%	592	Moderate Density + ADUs	1,128	8,879	3,415	7,948	3,875
>100-120%	536						
>120%	2,287	Low Density	2,287	(931)			
<b>Total</b>	<b>9,378</b>		<b>9,378</b>	<b>17,786</b>	<b>9,378</b>	<b>17,786</b>	<b>8,408</b>

Sources: BERK, 2024; City of Lakewood, 2024; Pierce County, 2023.

Generally, this assessment highlights that there is sufficient capacity to meet local needs for housing. However, there are several considerations with addressing future housing needs and targets:

- **There is an expected shift in focus to middle housing capacity.** Recent amendments to the Growth Management Act have greatly expanded the allowance for middle housing development.<sup>6</sup> Even without changes in development regulations, this expansion in capacity for middle housing is allowed under state law. However, note that this does not restrict the construction of new single-family homes, as development may be limited by critical areas or property owners might choose to develop single-family residential housing even if more density is allowed.
- **Middle housing capacity may also accommodate higher-income household demand.** Although a portion of the housing target defined in Exhibit 6-6 is targeted to households at 120% of AMI or above, the expansion of areas where middle housing is allowed constrains those locations where new single-family housing may be built. The “combined housing needs” and “combined net capacity” columns indicate how middle housing may help to meet housing needs in these demographics. Ongoing monitoring will be necessary to determine how these needs are being met locally.
- **Housing development needs to increase to meet targets.** The estimated housing target for the 2020–2044 planning period is 9,378 units, which averages to about 390 housing units per year. This exceeds housing completions in the city over the past 14 years, meaning that meeting these targets will require addressing barriers and providing incentives for growth.

The results indicate overall that promoting multifamily and middle housing types will be essential in helping to meet ongoing housing targets over the next 20 years, and that monitoring will be essential in ensuring that this growth can continue over time.

## 6.2.4 Special Housing Types

In addition to ensuring that there is sufficient capacity for market-rate and affordable housing, there is also a need to maintain conditions in the community to allow for other types of housing to meet local needs. Under the Growth Management Act, the city must consider the needs for many different special housing types, including:

- Group homes,
- Foster care facilities,
- Emergency housing,
- Emergency shelters, and
- Permanent supportive housing.

The GMA also includes considerations of other special types of housing, including senior housing and housing for people with disabilities, which can also have different incentives and may need to be considered differently in development regulations.

<sup>6</sup> See RCW [36.70A.635](#).

Exhibit 6-7 provides the specific figures for necessary capacity with special housing types provided as part of the Pierce County Countywide Planning Policies. Within these targets, there are two primary types of special housing covered:

- **Permanent supportive housing** is subsidized, leased housing with no limit to the length of stay, and it prioritizes individuals needing comprehensive support services. It uses lower barriers to entry than other housing, particularly regarding rental history, criminal history, and personal behaviors. This housing is paired with voluntary on- or off-site services to meet the specific needs of residents who were previously homeless or at risk of homelessness maintain their tenancy, improve their health, and connect with other community-based services.
- **Emergency housing** includes temporary indoor accommodation for individuals or families who are homeless or at imminent risk of becoming homeless. These facilities are intended to address basic, short-term shelter requirements, as well as health, food, clothing, and personal hygiene needs of individuals or families. Emergency housing may or may not require occupants to enter into a lease or an occupancy agreement.

**Exhibit 6-7. Lakewood Special Housing Needs, 2020–2044.**

	2020 Est. Supply	2044 Target	Allocation, 2020–2044
<b>Permanent Supportive Housing</b>	101	1,800	+1,637
<b>Emergency Units</b>	8	582	+574

Sources: BERK, 2024; City of Lakewood, 2024; Pierce County, 2023.

Both of these types of special housing have targets under the County CPPs because of additional challenges associated with siting these facilities. While they may not necessarily be deemed as essential public facilities under RCW [36.70A.200](#), there are often challenges with siting them in areas where supportive services are located and addressing concerns from the neighborhood about potential nuisances.

Additionally, building and operating these facilities may require significant subsidies. Typically, religious and nonprofit organizations are involved with their development and operation, and donations, grants, and subsidies are essential to their operations. The city can play a key role in addressing these needs through facilitating development applications by these groups, providing sources of subsidies (both for capital and operating costs), and coordinating available local services that can bolster supportive services.

To meet requirements under state law, requirements on occupancy, spacing, and intensity of use may not prevent the siting of permanent supportive housing and emergency housing options to meet identified targets. Restrictions on these uses are also only permitted to protect public health and safety.

Available capacity for permanent supportive housing is considered under the capacity assessment described in 6.2.2 above. Capacity calculations regarding the required additional 574 emergency housing units are included below. The following exhibits highlight key information related to meeting these long-term targets:

- Exhibit 6-8 highlights all areas in the city under current zoning where indoor emergency shelters are allowed.
- Exhibit 6-9 summarizes the room capacity of existing hotels and motels in the city.
- Exhibit 6-10 indicates the estimated net capacity for commercial development in areas which allow for emergency housing needs.

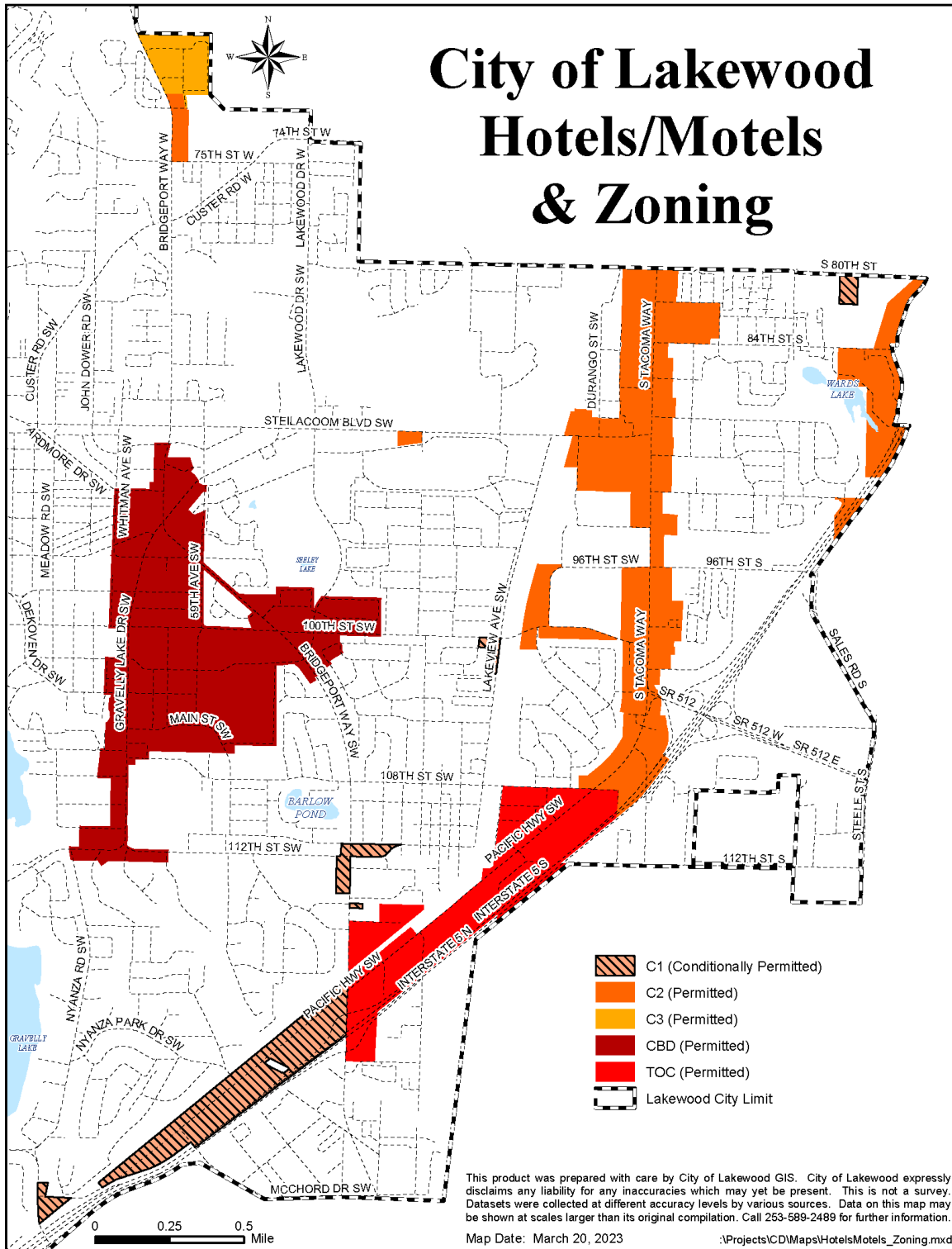
Given the 1,000-foot spacing requirement between emergency shelter space managed by different organizations, fixing a specific capacity figure is challenging. However, the following information suggests that the target of an additional 574 emergency housing units can be met in different ways:

- **Hotel/motel capacity.** Over the long term, if it can be assumed that hotel/motel capacity would be available to meet these needs, existing hotels have a total capacity of up to 1,111 rooms to meet these needs. While some of these potential sites may be removed from consideration by spacing requirements, common management and targeted acquisition can help to reach these goals.
- **New construction.** Although new construction may be more expensive than the acquisition of an existing site, this may be an option for some providers. In the case of available land capacity, the total capacity of 4.2 million square feet distributed across four different zoning districts should be sufficient to accommodate new development of shelter space.
- **Reuse of other structures.** Another option is to repurpose existing buildings, whether residential or non-residential, for temporary or permanent emergency shelter space. This would require a thorough review of available spaces in the zones identified in Exhibit 6-8 to find suitable structures, but there may be existing development that could be used in this way.

Providing long-term solutions to meet emergency housing requirements will not only require incorporating capacity considerations, but also effective coordination with non-profit agencies, religious organizations, and other groups working to create and operate these facilities.



Exhibit 6-8. Lakewood Zoning Districts Allowing Hotels/Motels as Permitted or Conditional Uses.



Sources: City of Lakewood, 2023; Pierce County, 2023.

**Exhibit 6-9. Lakewood Hotel/Motel Capacity, 2024.**

Location	Rooms
6125 Motor Ave SW	78
9325 S Tacoma Way	77
9920 S Tacoma Way	202
4215 Sharondale St SW	55
10720 Pacific Hwy SW	83
11329 Pacific Hwy SW	122
11621 Pacific Hwy SW	38
11725 Pacific Hwy SW	120
11751 Pacific Hwy SW	120
12704 Pacific Hwy SW	60
12215 Pacific Hwy SW	51
12039 Pacific Hwy SW	25
12701 Pacific Hwy SW	60
<b>TOTAL</b>	<b>1,111</b>

Sources: BERK, 2024; City of Lakewood, 2024.

**Exhibit 6-10. Lakewood Commercial Development Capacity in Zones Allowing Emergency Housing.**

Zone	Net Capacity (in SF)
Commercial 1 (C-1)	126,000
Commercial 2 (C-2)	513,555
Commercial 3 (C-3)	0
Central Business District (CBD)	2,906,193
Transit-Oriented Center (TOC)	738,493
<b>TOTAL</b>	<b>4,284,241</b>

\* Conditional use.

Sources: BERK, 2024; City of Lakewood, 2024.

## 6.2.5 Racial Equity and Displacement

The region is experiencing critical shortages with its housing supply. The resulting impacts on housing costs and quality of life are particularly felt by communities of color that do not have the resources available to respond to these trends. These communities often face higher relative housing costs, poorer housing quality, and reduced opportunities for homeownership due to longstanding discriminatory practices.

The 2024 updates to the Comprehensive Plan must address these disparities through various strategies, including identifying and amending policies that contribute to racial disparities and displacement, and implementing anti-displacement measures, particularly in areas prone to market-driven displacement.

Displacement in housing is increasingly problematic as rising costs and inadequate housing supply prevent many from securing suitable, affordable homes. Displacement types include:

- **Economic displacement**, when increases in rents and other costs result in people and businesses moving where these costs are lower;
- **Physical displacement**, when housing units and other buildings are demolished or renovated and no longer available; and
- **Cultural displacement**, when a local community changes due to economic and/or physical displacement, and other residents are driven away because of declining community cohesion and social bonds.

Displacement has broader implications for community dynamics and regional stability. It leads to longer commutes, fragmented community ties, and increased strain on social services, potentially escalating homelessness. Addressing these issues through local policies can help retain community integrity and support economic and social sustainability in the face of inevitable urban changes.

Comprehensive Plan updates for cities like Lakewood are encouraged to integrate racial equity in housing policies to mitigate displacement risks. These updates should include thorough assessments of existing housing policies that might perpetuate racial disparities and propose new strategies to prevent displacement. The focus will be on preserving community and cultural continuity while providing practical housing solutions to meet the diverse needs of the population.

The following exhibits highlight relevant statistics for the city regarding racial equity in housing:

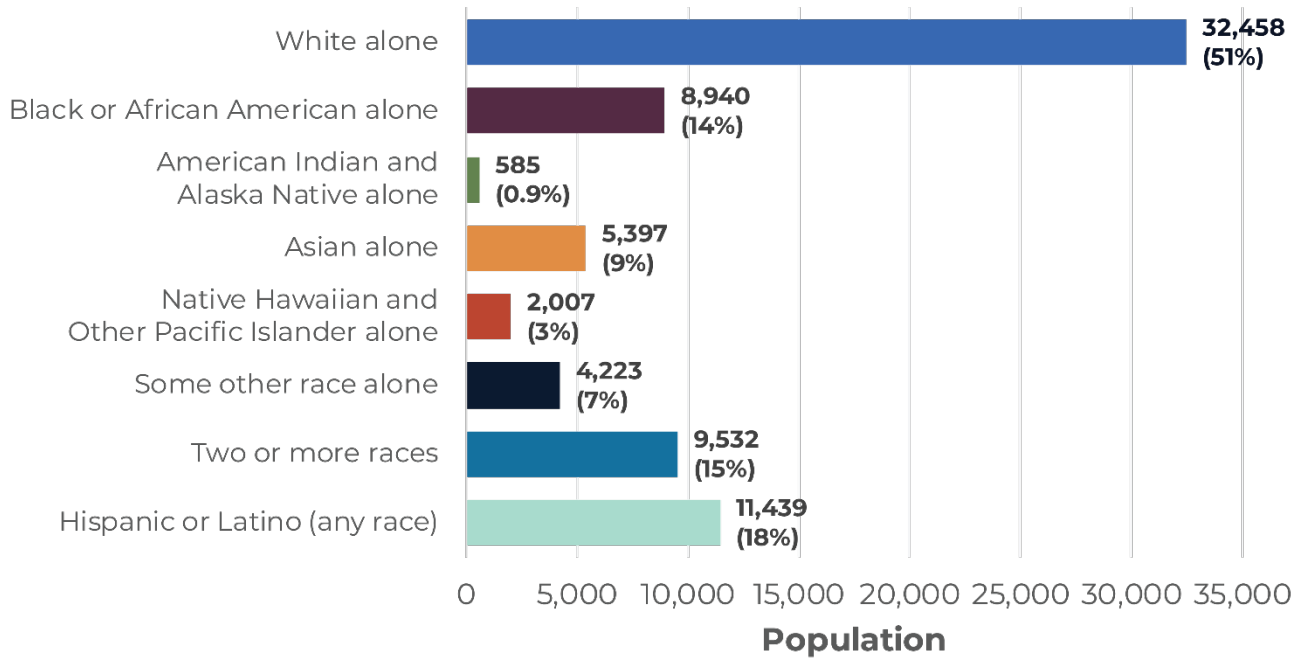
- Exhibit 6-11 provides a breakdown of the Lakewood population by race and ethnicity, based on 5-year American Community Survey data from 2022. (Note that these statistics do not separate Hispanic/Latino residents by race.)
- Exhibit 6-12 highlights the difference of tenure by race and ethnicity, indicating how many renters versus owners are found in each category.
- Exhibit 6-13 breaks down proportions of households by income categories, determined by percent of area median income (AMI).
- Exhibit 6-14 indicates housing cost burdens by race and ethnicity in Lakewood, highlighting cases where households are cost burdened (paying over 30% of their income on housing costs) or severely cost burdened (paying over half of their income on housing).

- Exhibit 6-15 provides a displacement risk index provided by the PSRC by US Census Bureau census tract. This is divided based on the regional distribution and indicates where the risks of displacement may be “higher”, “moderate”, or “lower” in the regional distribution.
- Exhibit 6-16 provides a distribution of residents by race at the Census block level, based on information from the 2020 US Decennial Census.

There are several high-level conclusions that can be reached from this information:

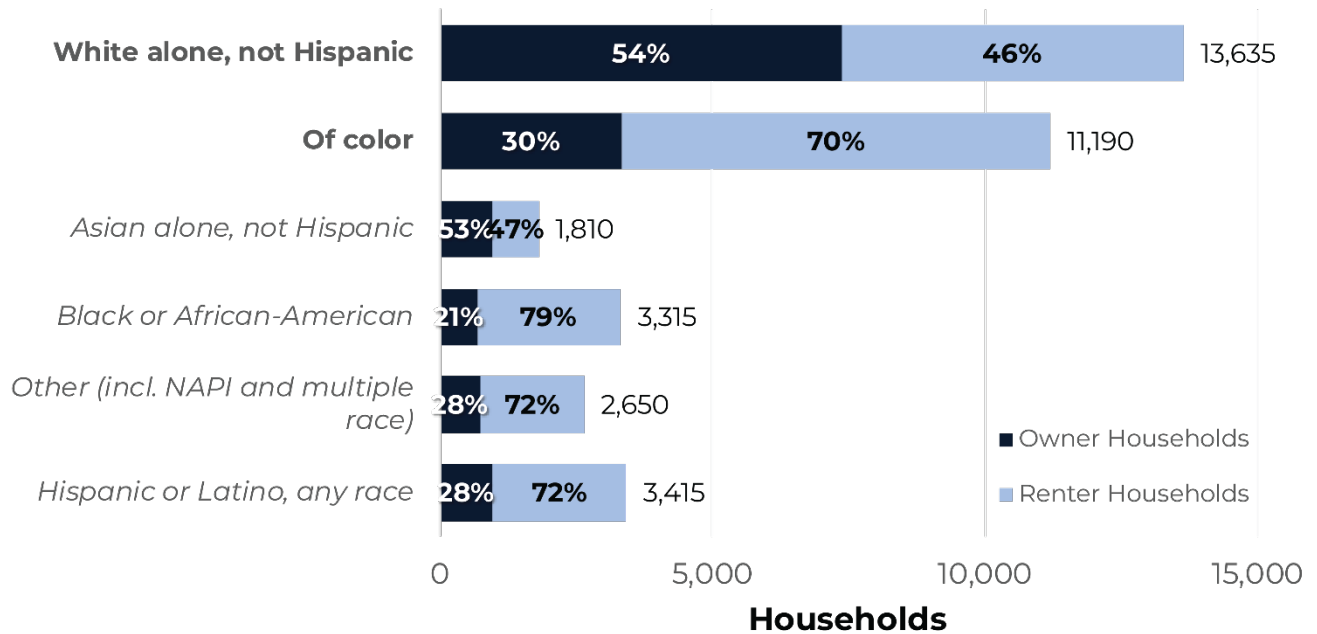
- **There are some income disparities by race/ethnicity in Lakewood that could lead to housing challenges.** The distribution of white households in the city generally includes greater representation at higher income levels, with only 16% households at extremely low-income and 38% above median income. In contrast, about 21% of households of color are extremely low-income, and only 24% surpass the median income threshold.
- **The distribution of households between renters and owners by race suggests some vulnerabilities to housing stability by race/ethnicity.** Households of color face significant challenges in homeownership and housing stability: about 54% of White households own homes compared to only 30% of BIPOC households. Particularly, about 79% of Black or African American and 72% of Hispanic/Latino households are renters, which indicates possible vulnerabilities to local rent increases.
- **On average, higher housing cost burdens are more common for Black households.** A substantial number of Black or African American households in Lakewood (58%) experience some type of housing cost burden, with 34% facing severe difficulties. These economic pressures suggest a critical need for targeted housing policies and community support.
- **There is a high risk of displacement in certain areas of the city.** The Lakewood Station District and the Lakeview/Kendrick area are identified as high-risk zones for displacement, especially among communities of color. These neighborhoods, along with the International District, face challenges that may also extend to local businesses, potentially necessitating protective measures and anti-displacement strategies.

**Exhibit 6-11. Lakewood Population by Race and Ethnicity, 2022.**



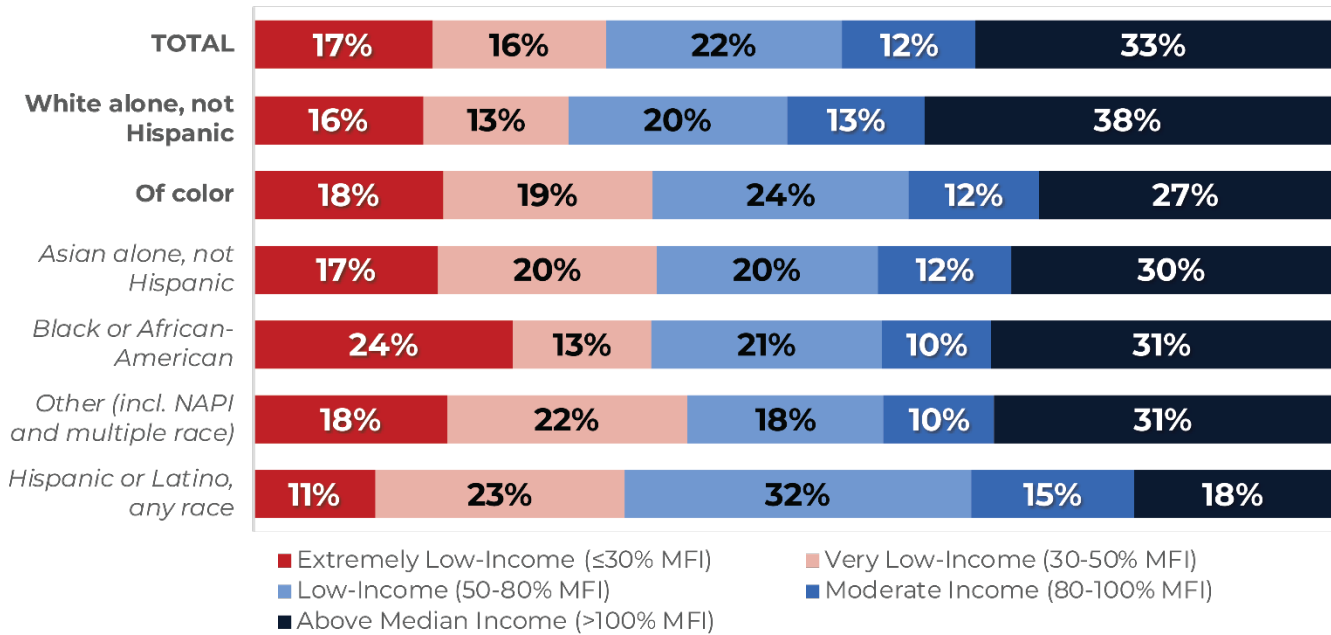
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates, 2023.

**Exhibit 6-12. Lakewood Households by Race/Ethnicity and Tenure, 2020.**



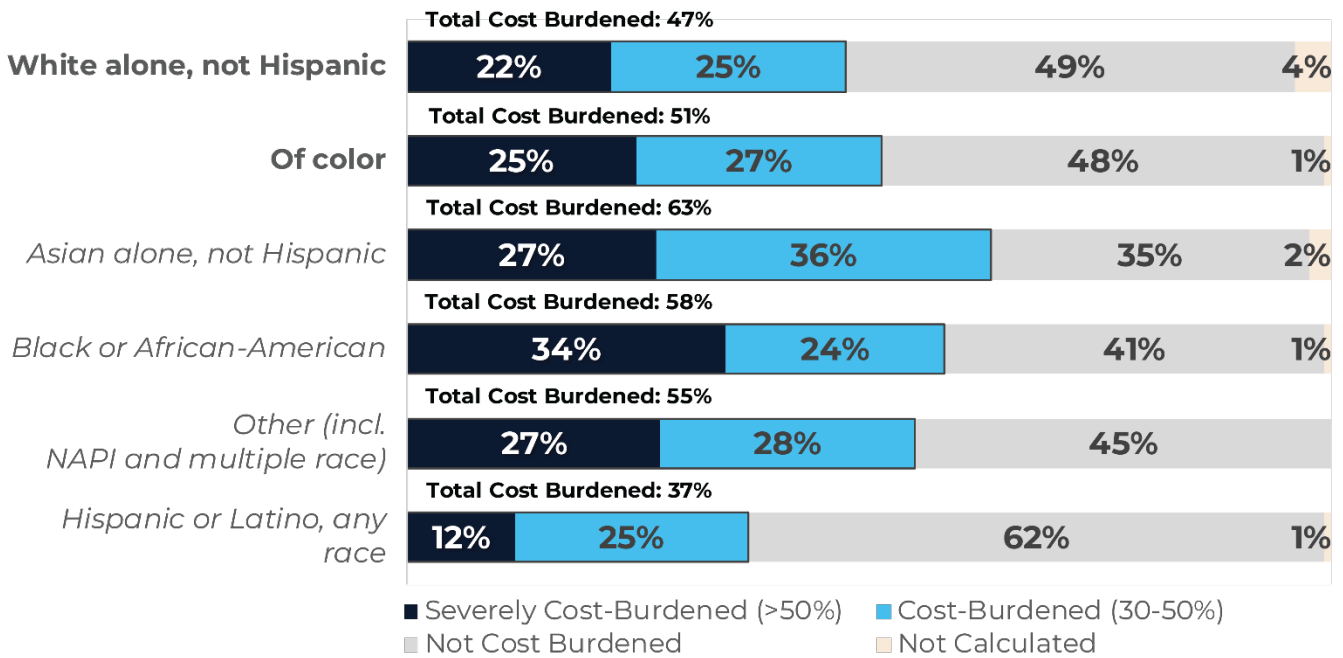
Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020.

**Exhibit 6-13. Lakewood Households by Race/Ethnicity and Income Category, 2022.**



Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020.

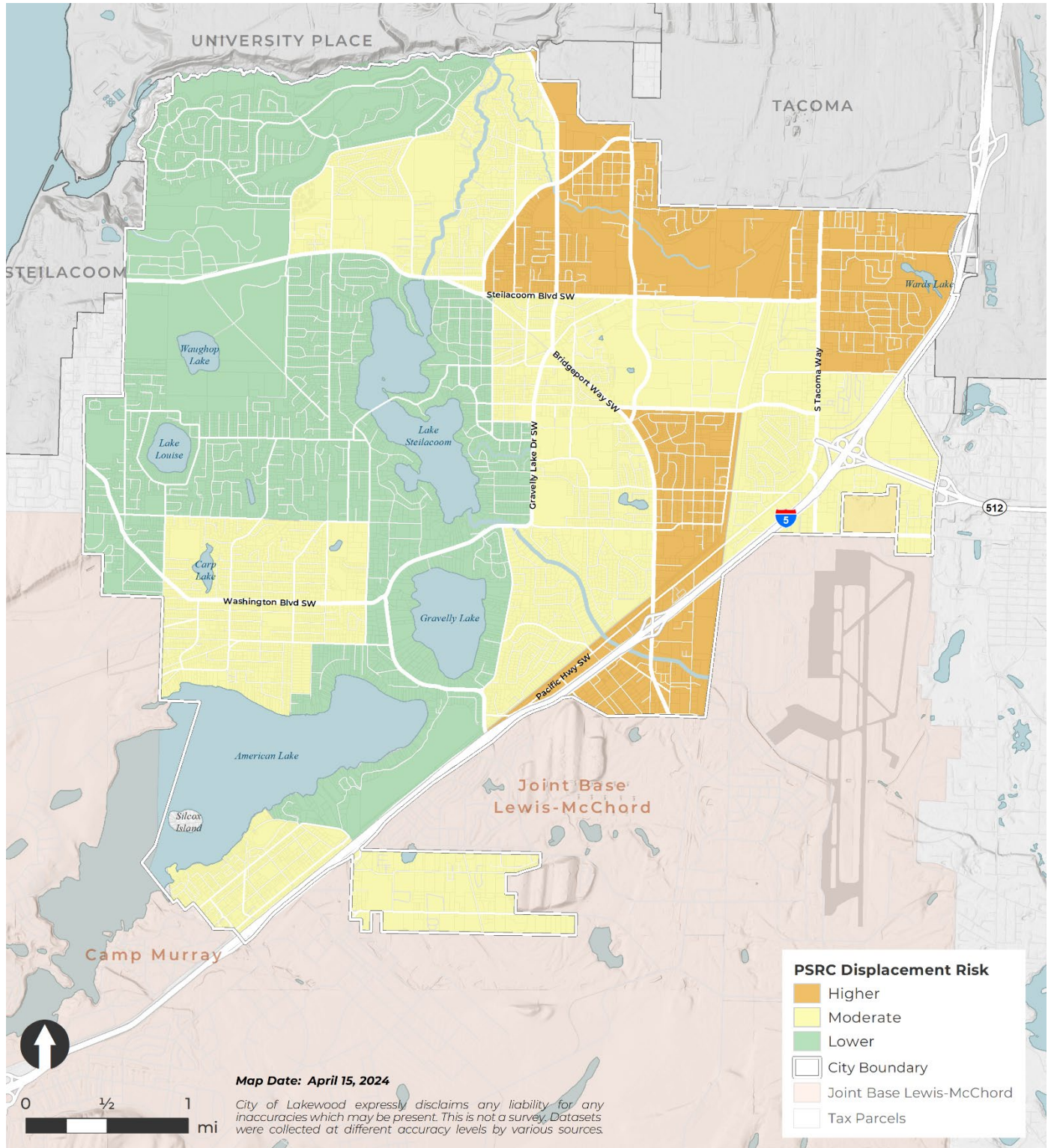
**Exhibit 6-14. Lakewood Households by Race/Ethnicity and Cost Burden, 2020.**



Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020.



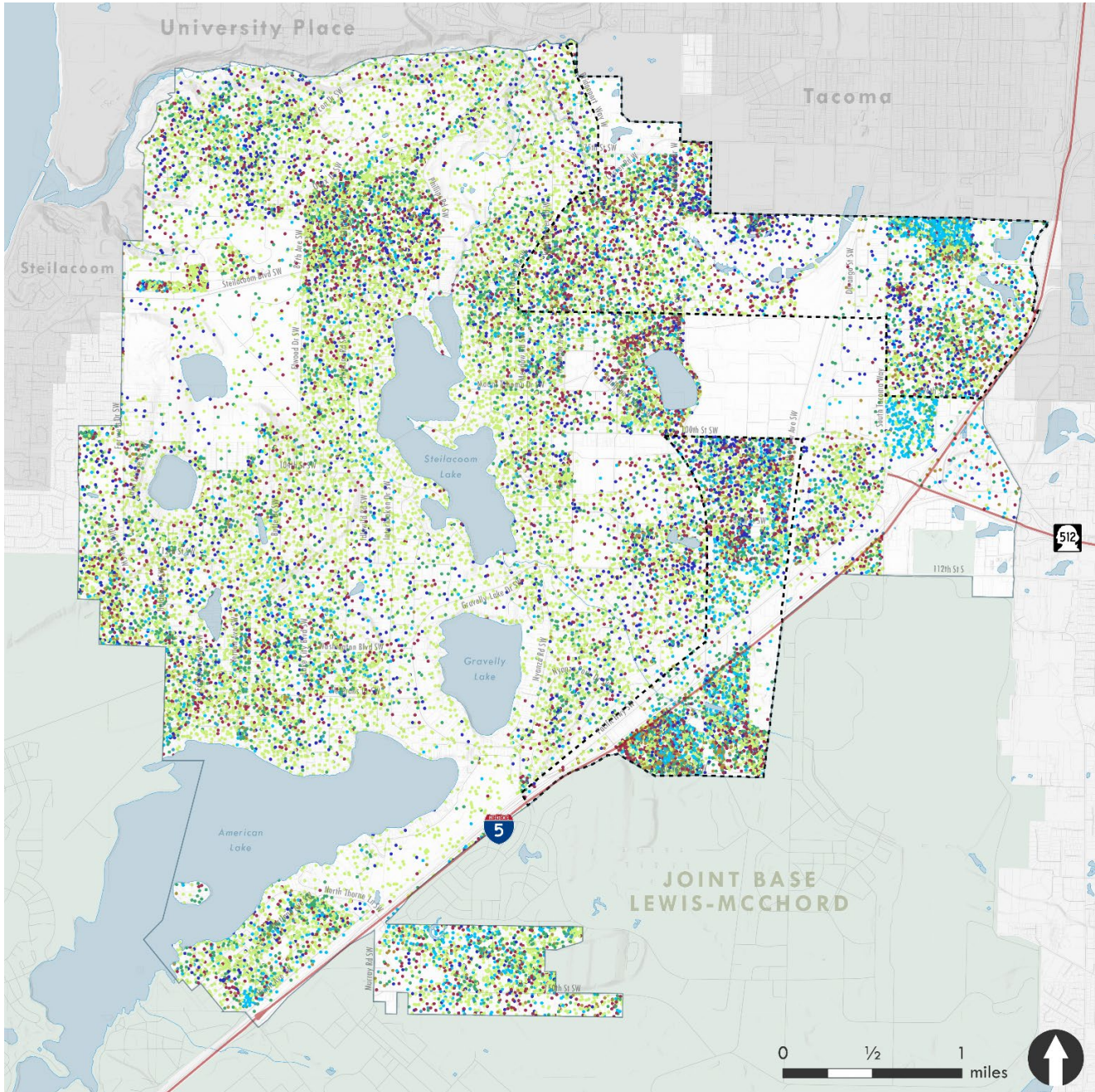
**Exhibit 6-15. PSRC Displacement Risk Index for Lakewood.**



Source: PSRC, 2024; City of Lakewood, 2024; Pierce County GIS, 2024.



**Exhibit 6-16. Distribution of Population by Race in Lakewood, 2020.**



**Legend**

- City of Lakewood
- Other cities
- Joint Base Lewis-McChord
- Water

**Distribution of Population by Race**

- White alone
- Black or African American alone
- American Indian and Alaska Native alone
- Asian alone
- Native Hawaiian and Other Pacific Islander alone
- Some Other Race alone
- Two or more races

- Highways
- Arterials
- Roads

- PSRC Displacement Index: Higher Risk



Map Date: January 2023

Sources: Pierce County GIS, 2022; ESRI, 2022; City of Lakewood, 2022; BERK, 2022.

## 6.2.6 Barriers to Housing Development

A review of City policies coordinated under the 2024 Comprehensive Plan update highlighted the following potential issues in Lakewood related to housing development barriers:

- **Availability of vacant land.** Lakewood is a community which has experienced ongoing development for decades. While there are areas in the city that could receive new infill or redevelopment projects, very little greenfield land is available for new projects, especially larger tracts of land that could accommodate residential subdivisions. Future efforts to meet housing needs will require improving development opportunities of these types and providing support from the city to consider these needs.
- **Restrictions on middle housing.** Under the previous Comprehensive Plan and regulations, two- and three-family unit attached housing were not allowed in residential zones, with the exception of duplex housing included as a conditional use in R4 zones and allowances for cottage housing. This has limited the range of potential options for smaller, more affordable housing options.
- **Low-density residential areas.** In addition to the challenges with restrictions on housing types, maximum densities and minimum lot sizes have resulted in patterns of lower-density residential development. Development in R zones are typically limited to around 1.5 to 6.4 units per acre based on minimum lot sizes, with maximum densities in the MR zones ranging from 8.7 to 14.6 units per acre. These restrictions, especially for middle housing in MR zones, can also make it difficult to incorporate denser forms of development.
- **Parking.** Previous development codes required similar parking for duplexes as with single-family structures, and the provisions for accommodating parking do not give flexibility for housing close to transit. There are similar issues with respect to ADUs and multifamily units. While there are concerns about a greater dependence on street parking in neighborhoods with narrower street widths, higher parking requirements can increase costs, especially for multifamily housing.
- **Tree retention.** Limitations on development in areas impacted by trees, especially Oregon white oak, can complicate site design and utilization. While these restrictions are important to meet goals of environmental quality and habitat conservation, they may present challenges for housing development.
- **Design standards.** While city design standards are applicable to multifamily housing (including buildings with four or more units), these standards are not applied to single-family housing or duplex/triplex housing types. This can present additional costs of compliance for developers of larger middle housing projects and multifamily buildings.

## 6.2.7 Existing Tools for Addressing Housing Issues

Understanding these needs, the City of Lakewood has been committed to addressing housing issues through an array of programs and initiatives. This has included active participation in regional initiatives, collaboration with various stakeholders to enhance the availability and quality of affordable housing, and leveraging available sources of funding to increase investment in both new housing developments and the preservation of existing units.

Major City housing programs and initiatives have included the following:

- **Community Development Block Grant (CDBG) and HOME Investment Partnerships Program (HOME).** Lakewood has used CDBG and HOME funds to support Habitat for Humanity in constructing 50 low-income housing units, fund home remodels and repairs, provide down payment assistance, and offer low-interest sewer loans.
- **Affordable Housing Sales Tax Credit Program.** Implemented in March 2020, this program generates approximately \$98,000 in revenue per year over the next 20 years. This funding supports the CDBG Major Home Repair Program, Sewer Loan Program, and HOME Housing Rehabilitation Loan Program. Funds may also be used for emergency rental assistance and eviction prevention as of 2024.
- **Rental Housing Safety Program (RHSP).** Launched in 2017, RHSP supports the maintenance and improvement of rental housing quality through periodic inspections of rental properties. It has reduced inspection-failed properties from 20% in 2017/18 to 3% in 2022, ensuring rental properties are safe and habitable.
- **2021 American Rescue Plan Act (ARPA) Investments.** In 2021, Lakewood allocated over \$4 million of its \$13.76 million ARPA funds to affordable and emergency housing programs. Investments include emergency shelters, affordable housing units, sewer extensions, and support for underserved communities.
- **Multifamily Housing Tax Exemption (MFTE) Program.** The MFTE program in Lakewood promotes new multifamily housing development by offering property tax exemptions for projects with 15 or more units. Exemptions last for eight years, or 12 years for projects that include low- and moderate-income housing. This supports housing growth in residential targeted areas in Downtown Lakewood, Lakewood Station District, and Springbrook.
- **Tacoma-Lakewood-Pierce County Continuum of Care.** The city participates in the Tacoma-Lakewood-Pierce County Continuum of Care, which advocates for affordable housing development and human services for residents in need.

## 6.3 Goals and Policies

### **/ HO-1 Promote an overall supply of housing that supports all economic segments of the population.**

HO-1.1 Plan to the 2020–2044 housing target allocations by household income for Lakewood based on area median income (AMI) for Pierce County as established by the US Department of Housing and Urban Development (HUD), adjusted for household size:

- 30% AMI or less: 1,367 units,
- 30–50% AMI: 1,739 units,
- 50–80% AMI: 1,375 units,
- 80–100% AMI: 592 units, and
- 100–120% AMI: 536 units.

HO-1.2 Plan to the 2020–2044 County target allocations for an additional 1,212 units of permanent supportive housing affordable to households at 0–30% AMI.

HO-1.3 Plan to the 2020–2044 County target allocations for 574 spaces in emergency shelter.

HO-1.4 Encourage housing that meets the needs of different sizes and types of households in the community.

HO-1.5 Develop and preserve housing to minimize displacement, and coordinate services to assist displaced residents in finding alternative housing options.

### **/ HO-2 Promote market-rate housing to meet the needs of households across the city.**

HO-2.1 Encourage affordable home ownership opportunities for low- and moderate-income households, especially first-time homebuyers.

HO-2.2 Encourage middle-housing options affordable to low- and moderate-income households at 100% of area median income or below.

HO-2.3 Provide technical assistance for redevelopment in key areas, including Lake City, Lakeview, Springbrook, Tillicum, the city’s residential target areas (RTAs), and senior overlay districts.

HO-2.4 Establish and maintain relationships and pursue partnerships with local and regional market rate and affordable housing developers

HO-2.5 Ensure a sufficient inventory of land available for housing development.

HO-2.6 Provide flexibility in development regulations to promote innovative housing types that help meet city housing goals.



**/ HO-3 Encourage the preservation and expansion of housing options for lower-income residents.**

- HO-3.1 Maintain and develop partnerships to create and manage affordable housing with nonprofit agencies and other organizations.
- HO-3.2 Maintain a surplus lands policy that supports development of affordable housing by private, nonprofit, and government organizations.
- HO-3.3 Use federal and state grants and other funds to support affordable housing goals.
- HO-3.4 Work with Pierce County, other cities in the region, and regional organizations to address affordable housing issues.
- HO-3.5 Where possible, support the preservation and improvement of existing subsidized housing and affordable market-rate housing.
- HO-3.6 Maintain a need-based program for housing rehabilitation grants to lower-income homeowners at 80% of AMI or below.
- HO-3.7 Maintain need-based housing rehabilitation and repair programs for rental housing meeting the needs of lower-income households at 80% of AMI or below.
- HO-3.8 Encourage revitalization and rehabilitation of existing apartment complexes in the city to maintain affordable and family-sized housing options.
- HO-3.9 Preserve and maintain existing manufactured housing parks as a supply of affordable housing, and encourage long-term housing solutions that will maintain affordable options for residents.

**/ HO-4 Support different housing types, designs, and ownership models for options that can meet different housing needs.**

- HO-4.1 Support flexible site designs and innovative housing types to help meet housing needs in the community.
- HO-4.2 Support high-quality building design as part of projects where innovative site or subdivision designs are permitted.
- HO-4.3 Encourage the construction of cottages and cottage housing developments with site design incentives.
- HO-4.4 Support ADUs to provide affordable housing options and alternatives for aging-in-place.
- HO-4.5 Allow Planned Development District development with higher residential densities and site design flexibility in exchange for public benefits from innovative site design, conservation of natural land features, protection of critical area buffers, the use of low-impact development techniques, conservation of energy, and efficient use of open space.



HO-4.6 Encourage alternative ownership models such as cohousing to support housing access.

**/ HO-5 Promote housing options for people with special needs.**

HO-5.1 Allow special needs housing throughout the city and encourage a distribution of this housing to prevent overconcentration.

HO-5.2 Support the development and management of housing for special needs populations operated by social service organizations.

HO-5.3 Support accessibility of housing by people with mobility challenges through universal design in residential construction and retrofitting of homes.

HO-5.4 Support special needs housing by considering and including their needs in neighborhood and transportation planning.

HO-5.5 Help to preserve special needs housing options in places where they are being lost, especially in locations that are well served by shopping, services, and other facilities needed by the residents

HO-5.6 Encourage the availability of special needs housing options throughout the city.

HO-5.7 Encourage positive relationships between special needs housing operators and neighbors.

HO-5.8 Allow special needs housing in all residential areas and in certain non-residential areas as appropriate.

HO-5.9 Prevent additional requirements on special needs housing from being imposed through development regulations.

HO-5.10 Encourage ADUs as an option for supportive living and aging-in-place.

HO-5.11 Provide density bonuses and modified height restrictions to encourage the development of special needs housing.

HO-5.12 Encourage the concentration of senior housing proximate to shopping and services.

**/ HO-6 Ensure that sufficient options for emergency housing needs are provided.**

HO-6.1 Maintain sufficient land capacity for the development of permanent supportive housing, transitional housing, and emergency housing.

HO-6.2 Allow permanent supportive housing and transitional housing in all residential areas and certain non-residential areas as appropriate.

HO-6.3 Coordinate supporting services related to homelessness and domestic violence with emergency shelters.

HO-6.4 Partner with appropriate local and regional agencies to implement effective policies and programs to support people facing homelessness and domestic violence.

**/ HO-7 Support a high quality of life for Lakewood residents.**

HO-7.1 Encourage improvements in property maintenance and building standards in residential neighborhoods to improve neighborhood quality of life.

HO-7.2 Maintain targeted outreach efforts such as the crime-free rental housing program to improve neighborhood safety.

HO-7.3 Conduct periodic surveys of housing and neighborhood conditions in the community.

HO-7.4 Ensure multi-family housing supports residents with access to public transportation, employment, services, open space, and other supporting amenities.

HO-7.5 Encourage a high-quality pedestrian environment in neighborhoods, and require on-site amenities such as walkways, trails, and bike paths to be connected to adjacent public facilities.

HO-7.6 Promote community identity, pride, and involvement in neighborhoods through the city's subarea planning, neighborhood programs, and other activities.

HO-7.7 Use design standards to protect privacy, address structures of different scales, and promote investments in high-quality urban environments.

HO-7.8 Require new development to provide motorized and non-motorized transportation connections to surrounding neighborhoods unless the physical features of the site prevent feasible connections

HO-7.9 Allow flexibility with development, design, and landscaping standards for residential properties located on major arterials to mitigate impacts from adjacent traffic.

HO-7.10 Allow home-based businesses in residential neighborhoods that do not conflict with residential uses.

**/ HO-8 Mitigate housing displacement and the loss of affordable housing units from development in the city.**

HO-8.1 Provide a regular report to the City Council on the loss of affordable housing due to demolition or conversion.

HO-8.2 Identify and address affordable market-rate and subsidized housing resources that may be at risk due to redevelopment pressures or deteriorating housing conditions.

HO-8.3 Require financial and relocation assistance for people displaced as a result of construction and development projects using federal funds.

- HO-8.4 Require replacement of low- and moderate-income housing units that are demolished or converted to another use in connection with projects supported by CDBG funds.
- HO-8.5 Apply CDBG funds as applicable for relocation payments and other relocation assistance.

# 7 Military Compatibility

## 7.1 Introduction

Lakewood is fiercely proud of its connections to the military. The Lakewood City Council's 30-year City Anniversary Vision Statement includes that Lakewood should be "supportive of Joint Base Lewis McChord, Camp Murray, service members and their families." Since incorporation, Lakewood has partnered with other proponents of military-civilian compatibility and successfully advocated for funding and policy changes at the federal, state, and regional legislative and agency levels that have instigated significant improvements to the operational stability and feasibility of JBLM in Pierce County.

The City of Lakewood is immediately adjacent to JBLM, formed in 2010 when historic Fort Lewis Army Base and McChord Air Force Base were combined. JBLM is the largest military installation on the west coast, encompassing over 90,000 acres including the main cantonment area (approximately 10,000 acres) and close-in training ranges (approximately 80,000 acres). Lakewood is also immediately adjacent to Camp Murray. Commissioned as a National Guard Base in 1889, Camp Murray is the headquarters of the Washington Military Department (WMD), which includes the Washington Army and Air National Guards.

About 70% of the service members and their family members assigned to JBLM live off-base in the surrounding communities. Lakewood's proximity to these military installations offers over 55,000 soldiers and their families access to the city's housing, jobs, schools, shopping, and services. Current and potential military contracting opportunities attract additional civilian businesses to the area. Military-affiliated people lodge in Lakewood's hotels, live in its homes, and buy goods and services from local companies.

Consistent with and supportive of RCW [36.70A.530](#), between 2017 and 2020, the City of Lakewood worked with Pierce County and the PSRC to develop appropriate regional planning policies and development approaches to benefit the long-term feasibility of JBLM and other military installations within the Puget Sound region, given their significant impact and influence on cities, the region, and the State. As a result, "major military installations" (those with at least 5,000 enlisted or service personnel) were recognized in PSRC's 2018 Regional Centers Framework for the first time, and military-civilian compatibility policies and actions were adopted as part of VISION 2050. Lakewood has also partnered with the State Department of Commerce as it has developed numerous studies and guidance regarding the importance of the military in Washington and regarding military-civilian compatibility.

## 7.2 Background

Lakewood is a founding member of, and current fiscal agent for, the South Sound Military & Communities Partnership (SSMCP). SSMCP's membership consists of more than fifty cities, counties, tribes, nonprofits, corporations, organizations, and JBLM. It was formed in 2011 to foster communication and mutual benefit related to complex issues affecting the military and civilian communities. Since its formation, SSMCP has had a significant role in improving military-civilian compatibility, including securing hundreds of millions of dollars in transportation capital improvements in the I-5 corridor and leading the nation in influencing state laws governing military spouse employment opportunities and expanding where more affordable childcare services can be located "outside the fence."

In 2013, a South Sound Military & Communities Partnership (SSMCP) survey found that approximately 60% of active-duty service members and their families residing off-installation lived in Pierce County; nearly 33% lived in Thurston County. As of 2022, an estimated 380,000 people in Pierce and Thurston Counties were affiliated in some way with the installation (i.e., were active duty, family members, dependents, reserves, retirees, and civilian employees.) Roughly 120,000 people were active-duty personnel and family members assigned to JBLM.

Each year, an estimated 9,000 service members transfer away from JBLM and another 9,000 personnel transfer into JBLM. This annual flux in the JBLM service members and their families results in constant impacts to Lakewood's residential markets, school districts, social service agencies, and workforces.

At the same time, it is estimated that JBLM has an \$8 billion annual regional impact and a \$15.1 billion annual impact on Washington's economy. In 2022, JBLM was second only to Boeing in employment statewide. In Pierce County, more than 57,640 total jobs were attributable to JBLM's presence, and the overall effects of the installation's economic activity generated \$289 million in state and local taxes.

In its comprehensive and land use planning, Lakewood has created four land use zones and associated development regulations specifically related to JBLM's presence, three of which are to protect civilian life and property (the Clear Zone and Air Corridor Zones 1 and 2) and one of which includes a small portion of land considered part of JBLM within the city's boundaries (the Military Lands Zone.)

## 7.3 Goals and Policies

### **/ MC-1 Protect the mission and long-term viability of Joint Base Lewis-McChord and assure flight safety in the vicinity of North McChord Field while protecting the public's health and safety.**

- MC-1.1 Establish city land use zones based on FAA and DoD Safety Guidance and as reflected in JBLM Air Installation Compatible Use Zone Study and JBLM Joint Land Use Study recommendations.
- MC-1.2 Regulate land uses and activities that could adversely impact present and/or future installation operations and protect JBLM and North McChord Field from further incompatible encroachment.
- MC-1.3 Regulate city land use to protect public health and safety and ensure a compatible mix of land uses consistent with the GMA, MPPs, CPPs, JBLM Joint Land Use Study recommendations, and JBLM Growth Coordination Plan recommendations.
- MC-1.4 Coordinate land use planning activities with Joint Base Lewis-McChord and provide for consultation and notification on actions that may impact JBLM facilities.

### **/ MC-2 Continue to support and fund the South Sound Military & Communities Partnership.**

- MC-2.1 Serve as fiscal agent for the South Sound Military & Communities Partnership.
- MC-2.2 Host staff and provide administrative support for the South Sound Military & Communities Partnership.
- MC-2.3 Participate at the Executive Leadership Team level of the South Sound Military & Communities Partnership.

### **/ MC-3 Coordinate the protection of JBLM from incompatible local, state and federal level issues and actions in partnership with the South Sound Military & Communities Partnership (SSMCP).**

- MC-3.1 Assess local transportation impacts related to JBLM's proximity to Lakewood.
- MC-3.2 Facilitate the sharing of information related to JBLM activities with both internal and external stakeholders.
- MC-3.3 Enhance communication between JBLM and neighboring jurisdictions through improved notification and planning processes.
- MC-3.4 Integrate specific land use compatibility requirements related to JBLM into local zoning codes and ordinances.



- MC-3.5 Incorporate considerations of aircraft safety and military operational noise into local planning and permitting procedures.
- MC-3.6 Promote sound attenuation building standards in new construction, especially in areas that may be impacted by military operational noise.
- MC-3.7 Develop a collaborative process with JBLM and neighboring communities to address rental housing needs for servicemembers.
- MC-3.8 Leverage the city's resources for state and federal advocacy to support South Sound Military & Communities Partnership priorities aligned with Lakewood's objectives.

# 8 Natural Environment

## 8.1 Introduction

This element of the Comprehensive Plan incorporates a systems approach to planning and decision-making that addresses protection of the natural environment. It commits to maintaining and restoring ecosystems, conserving key habitats, increasing tree canopy, cleaning up polluted waterways, and reducing greenhouse gas emissions. The element includes provisions that ensure that a healthy environment remains available for future generations in Lakewood.

The Natural Environment Element has goals and policies that will be implemented over time through development regulations, an urban forestry program, an Energy & Climate Change Implementation Plan, and continued partnership with community environmental groups.

## 8.2 Background

Over the past century, Lakewood's transformation into an urban area has often come at the expense of its natural landscape, leading to significant degradation and, in some cases, the complete loss of natural environments. Looking ahead, prioritizing the enhancement and protection of these remaining natural spaces will be crucial for improving local quality of life and preventing the perception of Lakewood as merely another "paved over" urban area.

In recent years, the city has actively engaged in initiatives to improve environmental quality in the community. In 2004, Lakewood implemented new critical areas policies along with updates to its environmental protection regulations, which have been continually refined. Additionally, in 2019, the city approved a new Shoreline Management Plan and Restoration Plan. Community organizations collaborate closely with the city and Pierce County, reporting annually to the Planning Commission on efforts to preserve and rejuvenate Lakewood's shorelines. These projects are supported financially through Lakewood's biennial budget allocations for shoreline restoration.

## 8.3 Goals and Policies

### **/ NE-1 Protect environmentally critical areas and other environmental resources.**

- NE-1.1 Ensure all planning efforts incorporate environmental considerations and adhere to state and federal environmental laws.
- NE-1.2 Provide a regulatory framework for the protection of critical areas in the city based on best available science (BAS).
- NE-1.3 Develop programs to provide education and resources to comply with requirements for critical areas protection.

### **/ NE-2 Provide for the protection, conservation, and enhancement of habitat areas for fish and wildlife.**

- NE-2.1 Identify and protect habitats for endangered and threatened species found within the city.
- NE-2.2 Protect wildlife habitats, with a focus on the connectivity of wildlife corridors and remaining habitat areas.
- NE-2.3 Promote the restoration of riparian areas to preserve their natural function in supporting diverse habitats and maintaining water quality.
- NE-2.4 Protect native vegetation in riparian areas and encourage its integration into urban landscapes.
- NE-2.5 Coordinate stream restoration programs for impacted local creeks, including Chambers, Clover, Flett, and Ponce de Leon Creeks.
- NE-2.6 Support a variety of habitats that are sufficient to support sustainable populations of local fish and wildlife.

### **/ NE-3 Maintain the natural qualities of shorelines while ensuring public access and recreational use.**

- NE-3.1 Maintain the ecological integrity of wildlife habitats along the shorelines.
- NE-3.2 Enhance safe public access for the use of shoreline areas and lakes.
- NE-3.3 Collaborate in regional watershed management initiatives to adhere to state guidelines for non-point source pollution prevention, especially within Watershed Resource Inventory Area 12.

**/ NE-4 Maintain and enhance the natural flood storage function of floodplains.**

- NE-4.1 Promote the use of non-structural strategies in flood prevention and damage mitigation planning.
- NE-4.2 Restrict development within the 100-year floodplain to maintain public safety and minimize property damage.
- NE-4.3 Ensure the retention of floodwater storage capacity and minimize fill of 100-year floodplains.
- NE-4.4 Acquire vacant and underdeveloped land within the Flett Creek Basin..

**/ NE-5 Preserve and protect wetlands in the city.**

- NE-5.1 Regulate development to protect the ecological functions and values of wetlands.
- NE-5.2 Avoid or, if necessary, mitigate impacts on wetlands in compliance with federal and state laws.
- NE-5.3 Ensure long-term protection and achieve “no net loss” of wetland function and value.
- NE-5.4 Coordinate a wetlands banking program to mitigate the potential loss of wetland functions.

**/ NE-6 Maintain an urban forestry program to preserve significant trees, promote tree health, and increase tree coverage citywide.**

- NE-6.1 Maintain a comprehensive urban forestry program.
- NE-6.2 Encourage the planting and regular maintenance of street trees to enhance urban greenery.
- NE-6.3 Provide for the retention of significant trees and tree stands and the restoration of tree stands within the city.

~~NE-6.4 Provide additional requirements for Oregon white oak preservation.~~

~~NE-6.5 Consider priority white oak woodlands and trees located within a critical area or buffer to be subject to the critical areas ordinance.~~

- NE-6.6 Maintain a city tree fund to preserve wooded areas, restore and enhance native trees, and provide for education and research.
- NE-6.7 Work towards a citywide goal of 40% tree canopy cover by the year 2050.
- NE-6.8 Consider opportunities to increase canopy and environmental equity when evaluating tree canopy distribution.

**/ NE-7 Enhance and protect water quality.**

- NE-7.1 Preserve the aesthetic and ecological functions of water features through planning and innovative land development.
- NE-7.2 Manage water resources to support diverse uses including habitat, recreation, flood control, water supply, and open spaces.
- NE-7.3 Maintain and improve surface water quality to restore degraded waters and meet federal and state water quality standards.
- NE-7.4 Maintain surface water and groundwater monitoring programs to inform local management..
- NE-7.5 Evaluate potential pollutant sources for major water bodies such as Lake Louise, Gravelly Lake, Waughop Lake, and Lake Steilacoom to support pollution reduction strategies.
- NE-7.6 Prioritize the extension of sewers to reduce surface water quality impacts, especially for areas that may impact American Lake.
- NE-7.7 Promote citywide water quality initiatives to reduce impervious surfaces, prevent surface erosion, minimize fertilizer and pesticide use, and otherwise prevent stormwater contamination.
- NE-7.8 Coordinate with local water districts and Pierce County to ensure projects in wellhead protection areas undergo necessary hydrologic assessments or SEPA responses.
- NE-7.9 Collaborate with local water districts, adjoining jurisdictions, and military installations to enhance the protection of wellheads and aquifers through education, resources, and planning.
- NE-7.10 Maintain a well decommissioning program for all unused wells.
- NE-7.11 Coordinate planning and review of drainage, detention, and treatment programs within wellhead protection areas.
- NE-7.12 Restrict impervious surfaces in aquifer recharge areas.
- NE-7.13 Cooperate with other jurisdictions to maintain an integrated regional system for wellhead protection data collection, mapping, and analysis.

**/ NE-8 Protect natural topographic, geologic, and hydrological features within the city while addressing geological hazards.**

- NE-8.1 Reduce risks to public safety and property from landslides, slope failures, erosion, seismic events, volcanic eruptions, or flooding hazards.
- NE-8.2 Limit modifications to topography and hydrological features and functions from cut and fill practices..

NE-8.3 Restrict land modifications such as clearing, grading, or other alterations to approved development projects only.

NE-8.4 Employ best management practices to minimize land erosion.

NE-8.5 Prohibit development of steep or unstable slopes to prevent potential hazards.

**/ NE-9 Meet applicable air quality standards with coordinated, long-term strategies that address different types of air pollution.**

NE-9.1 Reduce air pollutant emissions through strategies in land use and transportation management.

NE-9.2 Maintain and increase urban greenery, including trees and other vegetation, to improve air quality.

NE-9.3 Reduce air pollution from wood burning by restricting wood-burning fireplaces in new construction.

**/ NE-10 Control noise pollution to protect neighborhoods from disruptive noise levels.**

NE-10.1 Provide development regulations and noise control measures to protect residential areas from disruptive noise levels.

NE-10.2 Collaborate with JBLM to reduce noise near McChord Field and develop noise attenuation strategies along air corridors.

NE-10.3 Mandate noise-reducing design and materials in new developments along major roads and within air corridors to lessen noise.

NE-10.4 Work with the Washington State Department of Transportation to mitigate the noise and aesthetic impacts of highways.

NE-10.5 Work with the Washington State Department of Transportation Rail Division, Sound Transit, Tacoma Rail, and private rail companies to mitigate railroad noise and aesthetic impacts.

NE-10.6 Use natural vegetation and thoughtful design in noise mitigation efforts to provide visually appealing projects.

**/ NE-11 Reduce the risks associated with hazardous and toxic materials in the city.**

NE-11.1 Provide for the protection of life, property, and the environment by minimizing exposure to hazardous and toxic materials.

NE-11.2 Ensure the safe transportation, use, and storage of hazardous and toxic materials through declaration of these materials and identification of specific routes for transport in the city.



NE-11.3 Enforce international building and fire codes related to hazardous and toxic materials management.

NE-11.4 Ensure that proper inventories of hazardous materials are provided by businesses.

# 9 Parks, Recreation, and Open Space

## 9.1 Introduction

While a Comprehensive Plan Parks Recreation and Open Space Element is not required by the GMA, Lakewood has chosen to include one due to the high priority the community has placed on parks and open space since incorporation. Park, recreation, and open space planning are GMA goals, and it is important to plan for and fund these facilities in keeping with community needs and the benefits all enjoy from parks and open space.

In 1996, the citizens wanting to create Lakewood voted to incorporate in part to establish greater local control over parks and recreation. In its adopted 2021 Vision for Lakewood at its 30th Anniversary of incorporation, the City Council included that the city should be “characterized by the beauty of its lakes, parks and natural environment.”

Parks are also a focus of the City Council's 2021-2024 Strategic Plan, which includes the following goal:

**GOAL: The City of Lakewood provides safe, clean, well-maintained, and dependable infrastructure.**

- 2.1 *Implement capital infrastructure projects to improve transportation, park, and utility systems.*
- 2.2 *Invest in preventative maintenance of facilities, parks, and streets to protect City assets.*
- 2.3 *Advance infrastructure projects that enhance the City's identity and diversity.*
- 2.4 *Increase connectivity and accessibility.*

The City Council's Strategic Plan also directs that the city advocate for increased parks infrastructure funding.

The Parks Legacy Plan and Parks Capital Improvement Plan both help to implement the City Council's Strategic Plan. They are included as Appendices to this element.

## 9.2 Background

### 9.2.1 Overview

The Lakewood area parks developed as part of unincorporated Pierce County's regionally focused parks and recreation system. In the 1970's and 1980's, extensive residential growth occurred in Lakewood without concurrent attention to green spaces and recreational needs. Many neighborhoods had no parks or other such amenities. Further, park areas were in stages of disrepair due to years of deferred maintenance and limited capital improvements. Upon the city's incorporation in 1996, less than 40 acres of parkland and facilities were transferred to the city by other public agencies.

Lakewood adopted its first Parks and Recreation Master Plan in 1998, which included the following priorities:

- Acquisition of future park and open space sites;
- Upgrading existing parks sites; and
- Preservation of natural open space.

The city immediately began investing in parks and recreation to meet community needs, including new park facilities, sports fields, playground structures, irrigation systems and turf areas, new restrooms and shelters, and various recreation programs and community events.

In September 2005, Lakewood adopted a new Parks and Recreation Master Plan. To implement it, the Parks, Recreation and Community Services Department (PRCS) expanded the recreation division, developed new community partnerships, created new citizen advisory boards, added three new parks, a new senior activity center and made system-wide park improvements to better serve Lakewood residents.

Beginning in 2011, a 20-year sustainable park and recreation master plan document was created over a three-year period with extensive public engagement. This work culminated in the 2014 Parks Legacy Plan, which was designed to meet the State of Washington's requirement for a six-year parks, recreation, and open space plan.

In 2019, the city began a two-year update to the Parks Legacy Plan that included a multi-pronged outreach and engagement plan, as well as a detailed demand and need analysis. The demand and need analysis included a review of existing environments, demographic trends, park and recreation trends, and input received from the community at public engagement efforts. For the needs analysis, the city performed gap analyses using the plan's LOS measurements: a walkshed measurement and a quality and diversity assessment, known as the Park Amenity Condition Assessment. The Parks Legacy Plan update was adopted in 2020.

As of 2023, the City of Lakewood manages and maintains 14 parks and open space sites in a variety of sizes and uses that total over 600 acres. Significant investments in parks over the years include:

- Americans with Disabilities Act (ADA) compliant access and waterfront upgrades to American Lake Park;
- Springbrook Park playground upgrades; and

- Harry Todd Park playground and waterfront upgrades.

In 2024, the city is working toward the creation of one or more Downtown parks as well as partnering with Camp Murray to collaborate on a strategy to improve the America Lake park boat launch and public access. ARPA funds have also been allocated to improvements at Edgewater Park.

The Parks Legacy Plan's goals and priorities are incorporated into the Lakewood Comprehensive Plan PROS Element. The Legacy Plan's inventory, implementation strategies, and capital facilities planning are also incorporated in this reference.

## **9.2.2 Analysis of Park Land and Facilities Needs**

PROS capital expenditures are included in the Comprehensive Plan Capital Facilities Plan Element materials in the Appendix.

## **9.2.3 Intergovernmental Coordination Opportunities**

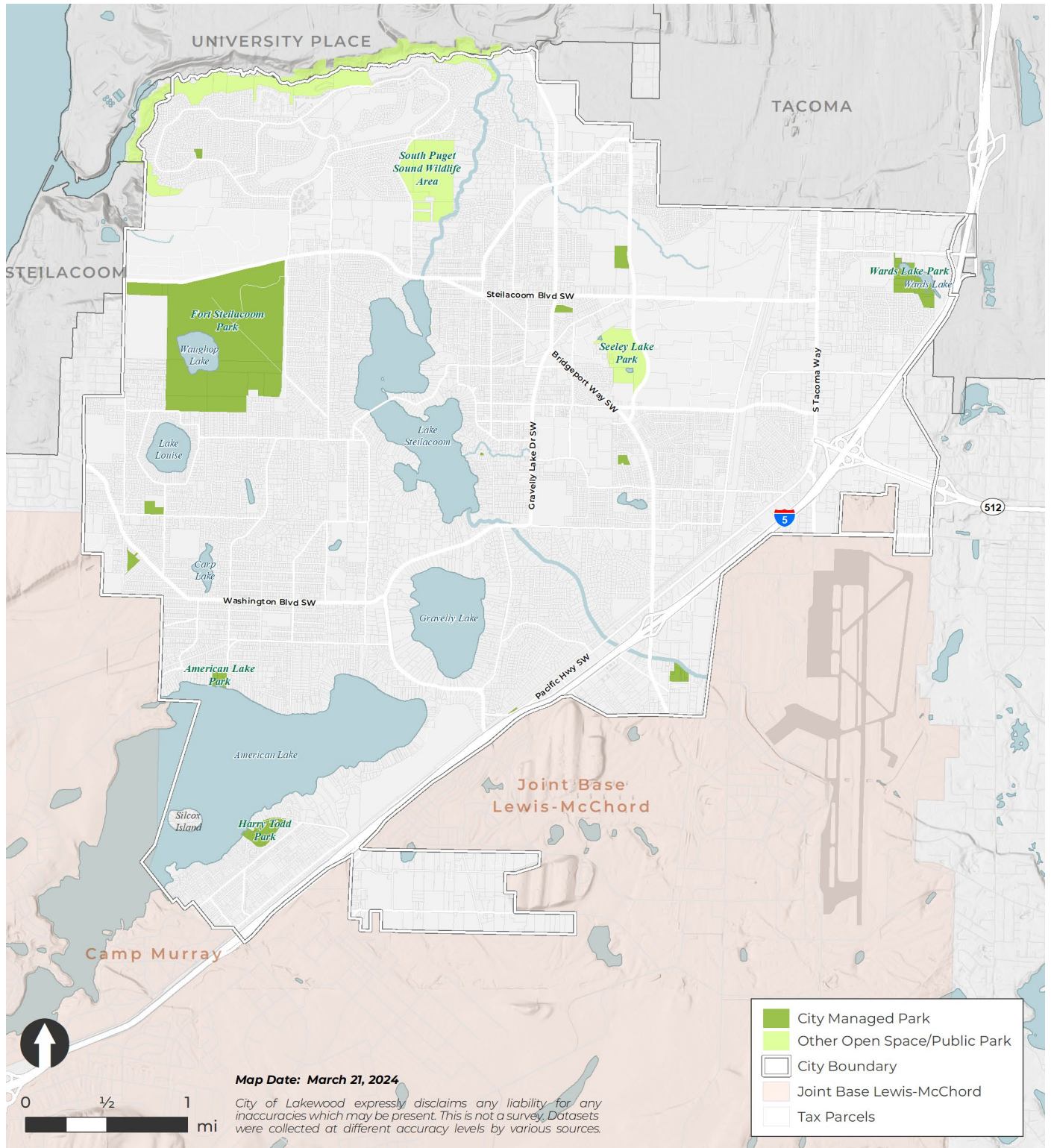
Currently, PRCS collaborates with close to 100 partners, including public, private and non-profit agencies. These collaborations help manage or develop park resources, plan programs and events, deliver activities, market programs, or share the use of facilities or program space.

For park development and management, the department has successfully partnered with public agencies, including the County and the State to operate Fort Steilacoom Park. The city has an interlocal agreement with Clover Park School District to develop and operate a neighborhood-school park at Lake Louise Elementary School.

On the programming side, PRCS works with many agencies, including the CPSD, Pierce College, Pierce County, and roughly 40 non-profit and local interest groups. Over 30 private organizations provide sponsorship and assist in joint marketing programs. Pierce County, Lakewood, and the city of University Place have also entered into an interlocal agreement for the development of Chambers Creek Trail.

Volunteers are also important. Their contribution to overall PROS operations is significant. Volunteers assist with dog park monitoring, are used as senior ambassadors, and perform invasive plant removal and general park maintenance.

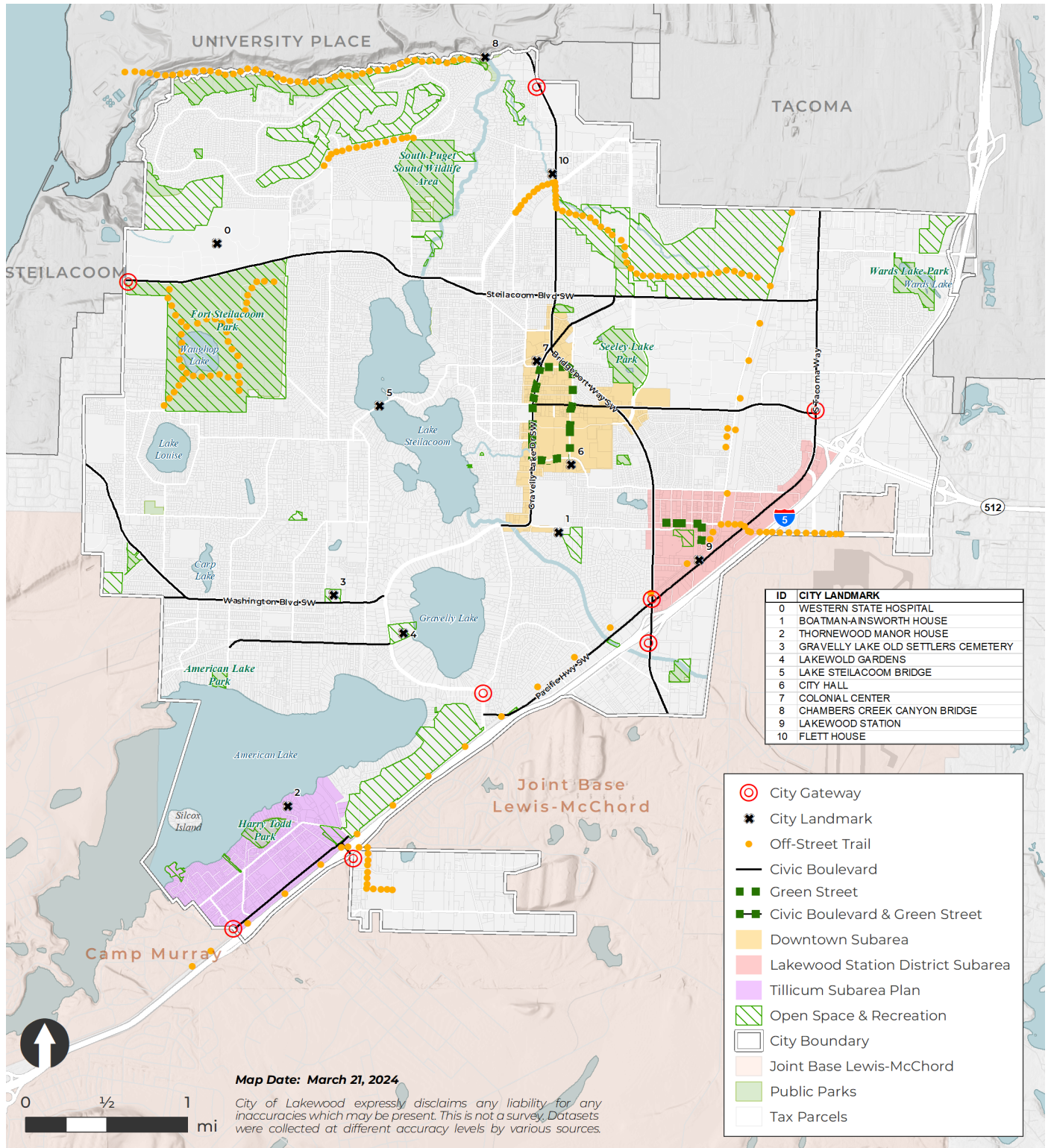
**Exhibit 9-1. Lakewood Public Parks and Open Spaces.**



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



**Exhibit 9-2. Lakewood Community Facilities and Recreation.**



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



## 9.3 Goals and Policies

### **/ PR-1 Protect and enhance parks and open space facilities.**

- PR-1.1 Protect our natural, cultural, and historical resources in parks and open space.
- PR-1.2 Preserve existing parks and facilities by using innovative and sustainable management techniques.
- PR-1.3 Enhance parks with diverse amenities that serve our evolving community needs.
- PR-1.4 Expand park systems by acquiring new land and planning improvements that consider future demand.

### **/ PR-2 Ensure parks and services are accessible and meet the needs of the community as a whole.**

- PR-2.1 Offer diverse park amenities and programs for all community segments.
- PR-2.2 Eliminate the physical, financial, and social barriers to park and recreation access.
- PR-2.3 Celebrate and support the cultural diversity of the community through parks and recreation planning.
- PR-2.4 Engage residents, partners, and stakeholder groups in park and recreation planning, design, decision-making, and program implementation.
- PR-2.5 Develop plans and policies for active, healthy community lifestyles.

### **/ PR-3 Make welcoming spaces that foster social interactions and highlight local art and history.**

- PR-3.1 Enhance parks and public spaces with art and cultural and historical elements to create unique spaces.
- PR-3.2 Maintain wayfinding in parks and public facilities that include interpretive signage and historical information.
- PR-3.3 Showcase diverse artwork and performances in public spaces that reflect neighborhood identities and highlight local talent.
- PR-3.4 Develop a trail network for safe, non-motorized access to parks.
- PR-3.5 Provide outreach and promotional materials about parks and recreation services.
- PR-3.6 Support the development of performing arts facilities in the Downtown.
- PR-3.7 Create visually appealing gateways at entrances to the city that incorporate art, wayfinding, and landscaping.

**/ PR-4 Enhance economic opportunities and quality of life through park and recreation investments.**

- PR-4.1 Boost tourism and local recreation by upgrading park features and organizing community events.
- PR-4.2 Improve amenities in parks located in downtown and commercial zones.
- PR-4.3 Maintain parks that are safe, clean, and environmentally friendly to attract visitors and boost local quality of life.

**/ PR-5 Manage parks, recreation, and open spaces with transparency, accountability, and financial responsibility.**

- PR-5.1 Make informed and transparent management decisions about parks, recreation, and open spaces that consider environmental, economic, and social impacts.
- PR-5.2 Plan new park and open space investments with a focus on life-cycle costs and their impact on maintenance and operational budgets.
- PR-5.3 Regularly update the Legacy Plan, including its objectives and practices.
- PR-5.4 Seek external funding to complement city investments in parks.
- PR-5.5 Collaborate with community groups to enhance park and recreation services.
- PR-5.6 Continuously review and refine management and investment practices in parks and recreation.

# 10 Public Services

## 10.1 Introduction

The Public Services Element is optional under the GMA but is a key tool for Lakewood given its relationships with many partner agencies, utilities, and private entities that provide urban and human services to the city. It contains goals and policies intended to set the stage for cooperative land use and human services planning for everyone member of the community.

## 10.2 Background

### 10.2.1 Overview

Since incorporation, the provision of some public services has been by Lakewood, with other services contracted to other districts and institutions. The table below provides information on the services that either the city, other public or private utilities, public agencies, or private companies provide.

**Exhibit 10-1. Public Service Providers in Lakewood.**

Public Service	Provider
General Administrative Services	City of Lakewood
Police	City of Lakewood
Public Works	City of Lakewood
Stormwater	City of Lakewood
Refuse/Solid Waste	Waste Connections
Fire Protection	WPFR
Emergency Medical Services (EMS)	WPFR
Emergency Management	City of Lakewood
Health & Human Services	City of Lakewood
Housing and Community Development Programs	Tacoma/Lakewood HOME/CDBG Consortium
Schools	Clover Park School District, Pierce College, Clover Park Technical College, and private schools
Library Services	Pierce County Library District

This element concentrates on the following services:

- Fire protection;
- Emergency medical services;
- Police;
- Emergency management;
- Schools and higher education;
- Library services;
- Health and human services; and
- Housing and community development programs.

The Utilities Element and the Capital Facilities and Essential Public Facilities Element (as well as others) also address services identified in the table above.

The city recognizes the importance of coordinated planning for these services with its GMA planning. This will ensure that the city's plans and growth targets inform, and are informed by, public service providers' planning and growth assumptions.

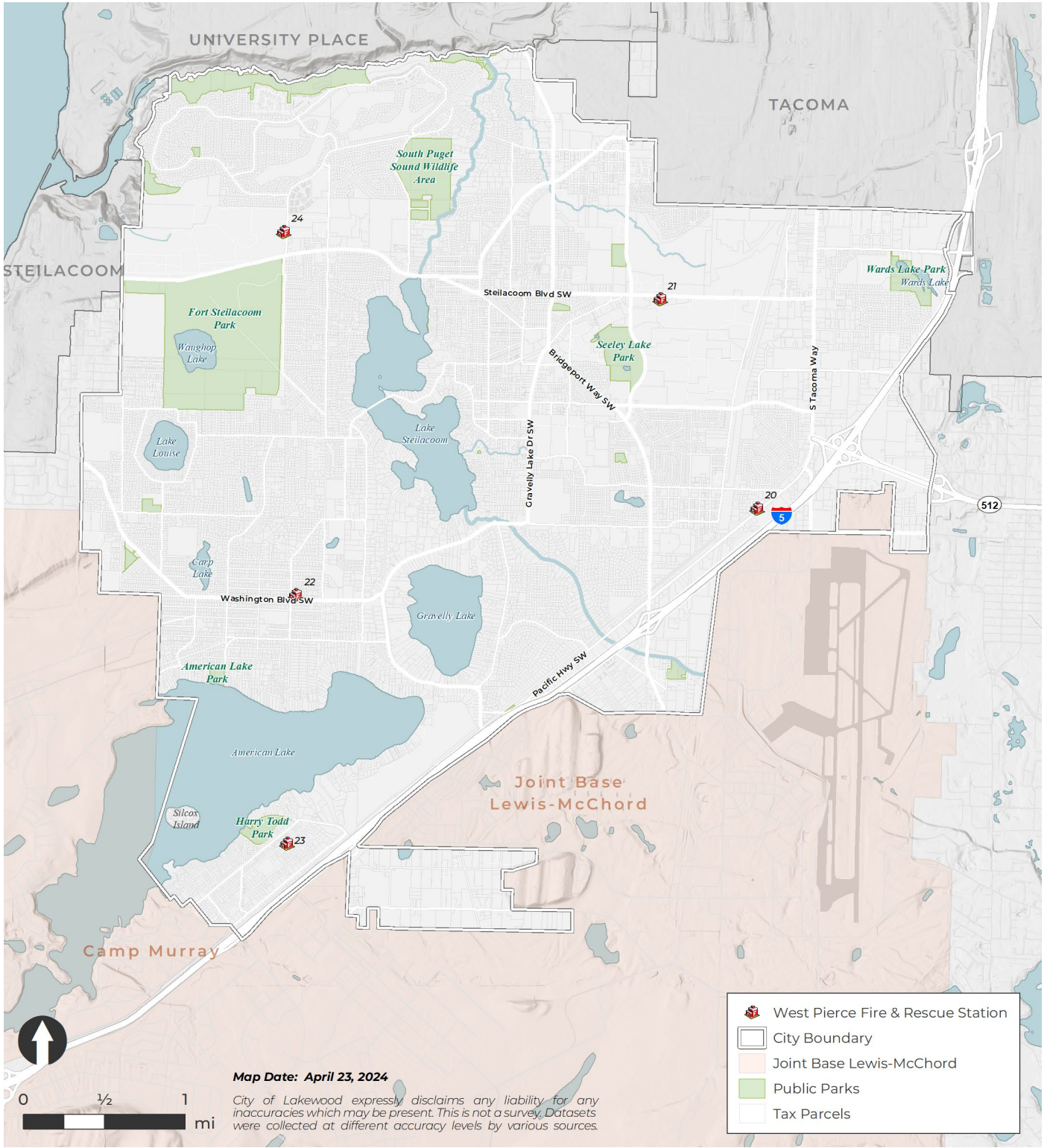
This planning coordination is particularly important for both K-12 and post-secondary education entities, whose enrollment numbers, student populations, and sometimes even course emphases are strongly tied to local growth, but where “disconnects” can easily occur without intentional coordination. This element interrelates Lakewood's Comprehensive Plan to the functions of Clover Park School District, Pierce College, Clover Park Technical College, and the Pierce County Library System.

In setting goals and policies related to human services, this element also sets forth the city's commitment to its citizens' well-being through active participation with countywide and regional partners. Lakewood joins, values, and supports community-based strategic planning efforts for health and human services.

The following maps highlight major facilities for different service providers:

- Exhibit 10-2 highlights the WPFR stations in Lakewood, which are the primary provider of fire and emergency medical services.
- Exhibit 10-3 shows the locations of schools in Lakewood, including both public and private institutions.

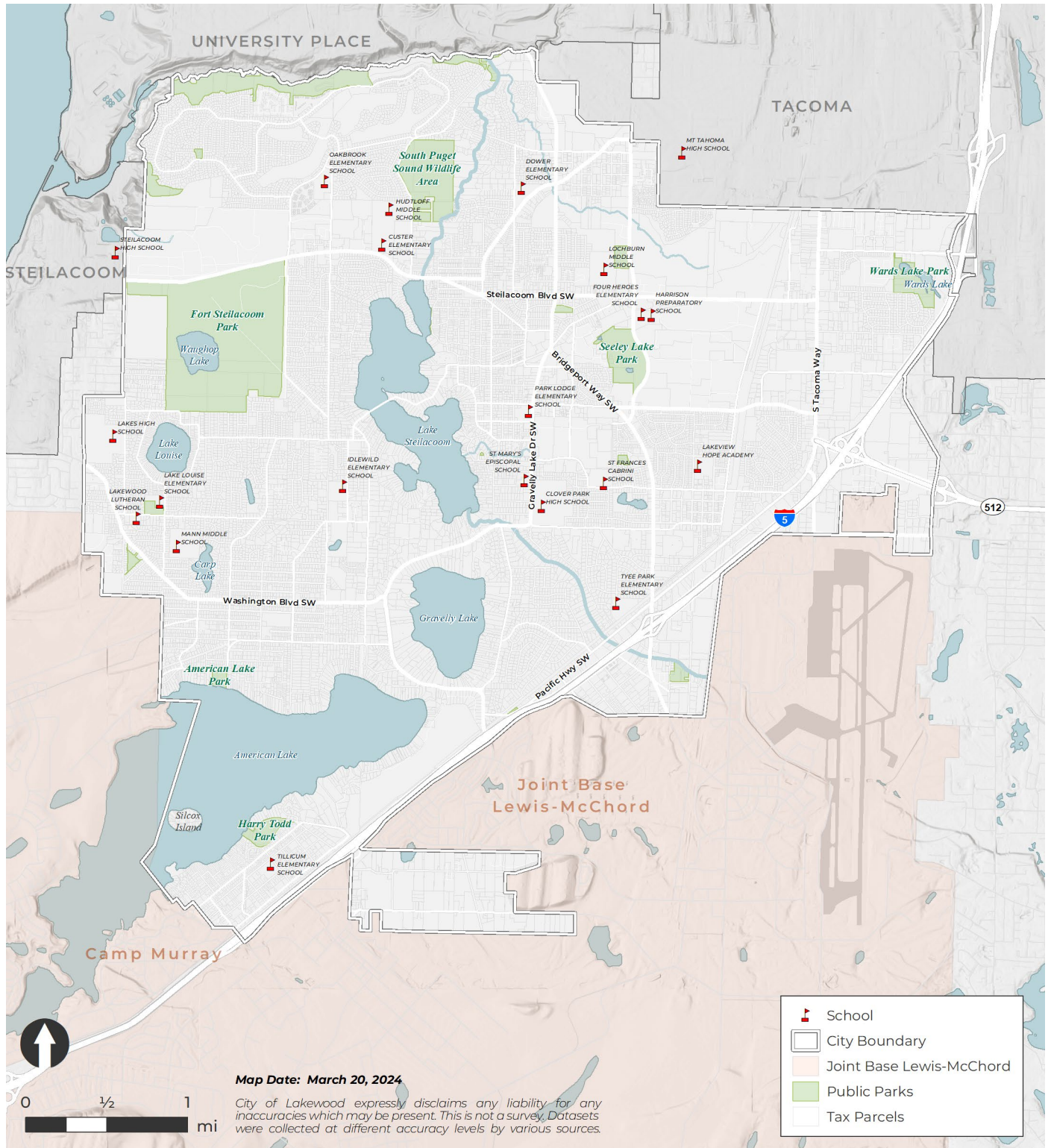
**Exhibit 10-2. Lakewood West Pierce Fire and Rescue Stations.**



Source: City of Lakewood, 2024; West Pierce Fire & Rescue, 2024; Pierce County GIS, 2024.



**Exhibit 10-3. Lakewood Schools.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



## 10.3 Goals and Policies

### **/ PS-1 Protect the community through a comprehensive fire and life safety program.**

- PS-1.1 Maintain a Washington Surveying and Rating Bureau (or successor agency) rating of ISO Class 3 or better.
- PS-1.2 Install and maintain traffic signal control devices responsive to emergency vehicles.
- PS-1.3 Where possible, and mutually beneficial, coordinate land acquisition for emergency services facilities with other departments (e.g., Parks, Public Works, Police) to maximize benefits to the city.
- PS-1.4 Continue the utilization of the West Pierce Fire & Rescue Fire Marshal and staff to provide fire and life safety inspections of occupancies as a means of identifying and remedying potential fire hazards before fires occur.
- PS-1.5 Educate and inform the public on fire safety and hazardous materials to further protect the community and the environment from unnecessary damage.

### **/ PS-2 Ensure that fire facilities and protective services are provided in conjunction with growth and development.**

- PS-2.1 Periodically evaluate population growth, community risks, emergency response times, apparatus deployment, and staffing levels to identify future service and facility needs.
- PS-2.2 Incorporate WPFR in evaluating proposed annexations to determine the impact on response standards.
- PS-2.3 Provide fire station locations, apparatus deployment, and staffing levels that support the core fire service provisions and response time objectives as approved in Resolution by the Board of Fire Commissioners.

### **/ PS-3 Ensure built-in fire protection for new development and changes or additions to existing construction.**

- PS-3.1 Require all new development to provide minimum fire flow requirements as prescribed in the International Fire Code.
- PS-3.2 Continue to require that all structures and facilities under city jurisdiction adhere to city, state, and national regulatory standards such as the International Building and Fire Codes and any other applicable fire safety guidelines.
- PS-3.3 Require developers to install emergency access control devices to gated communities as approved by the public works director.
- PS-3.4 Consider requiring assessment of a hazardous material impact fee for industrial uses.

**/ PS-4 Protect citizens through a comprehensive emergency services (EMS) program that maximizes available resources.**

- PS-4.1 WPFR will serve as the primary and lead Basic Life Support (BLS) and Advanced Life Support (ALS) provider within the city.
- PS-4.2 Provide a four-minute initial time standard for EMS calls.
- PS-4.3 Provide fire station locations, apparatus deployment, and staffing levels that support the core EMS service provisions and response time objectives as approved in Resolution by the Board of Fire Commissioners.
- PS-4.4 Maintain criteria-based dispatch system for determining appropriate levels of response.
- PS-4.5 Implement citizen CPR training programs with existing personnel and resources.
- PS-4.6 Implement and maintain a local physician advisor program in conjunction with the Pierce County EMS Medical Program Director to ensure the medical quality of emergency medical services.

**/ PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.**

- PS-5.1 Provide police protection with a three-minute response time for life-threatening emergencies (Priority 1), a six-minute response time for crimes in progress or just completed (Priority 2), and a routine/non-emergency response time of 20 minutes (Priority 3).
- PS-5.2 Maintain a level of police staffing, services, and command that is adequate to serve Lakewood's current needs and future growth.
- PS-5.3 Where appropriate, participate in innovative programs and funding strategies to reduce community crime.

**/ PS-6 Enhance the ability of citizens and the Lakewood Police Department to minimize crime and provide security for all developed properties and open spaces.**

- PS-6.1 Support and encourage community-based crime-prevention efforts through interaction and coordination with existing neighborhood watch groups, assistance in the formation of new neighborhood watch groups, and regular communication with neighborhood and civic organizations.
- PS-6.2 Implement a crime prevention through environmental design program that results in the creation of well-defined and defensible spaces by reviewing such things as proposed developments' demographic settings; intended uses; and landscaping, lighting, and building layout as a means of access control.
- PS-6.3 Seek ways to involve police with youth education, such as bike safety training, anti-drug courses, "cop in school" program, etc.

**/ PS-7 Protect the community through a comprehensive emergency management program.**

- PS-7.1 Adopt and maintain a comprehensive emergency management plan consistent with federal and state requirements.
- PS-7.2 Continue to fund and support the emergency management program, ensuring that emergency management plans, equipment, and services are sufficient for potential disaster response.
- PS-7.3 Maintain personnel, resources, and training necessary within all appropriate city departments to provide the disaster response called for in the emergency management disaster response plans.
- PS-7.4 Coordinate with appropriate state agencies when preparing disaster response plans and when considering floodplain or seismic ordinance standards.
- PS-7.5 Develop an interagency communications network incorporating all public service agencies within the city for use during disasters.
- PS-7.6 Maintain and enhance rescue capabilities that include extrication, trench rescue, water rescue, high-angle rescue, and urban rescue.
- PS-7.7 Develop and implement additional public education activities that promote water safety.

**/ PS-8 Support the maintenance and enhancement of the public education system, placing a strong emphasis on providing quality school facilities that function as focal points for family and community activity.**

- PS-8.1 Support efforts of the school district to ensure that adequate school sites are provided and that the functional capacity of schools is not exceeded.
- PS-8.2 Work with the school district to prepare/update a master plan for all its facilities and a capital improvement plan.
- PS-8.3 Consider the impact on school enrollment and capacities when reviewing new development proposals, higher density infill projects, zoning changes, and Comprehensive Plan amendments.
- PS-8.4 Require that developers assist in donating or purchasing school sites identified on the facilities map in correlation to the demand that their developments will create.
- PS-8.5 Ensure that new school sites include room for future expansion if needed.
- PS-8.6 Request student generation factors from the school district for the city's use in analyzing the impact of project proposals on schools.

**/ PS-9 Accommodate the maintenance and enhancement of private school opportunities for area students and residents.**

- PS-9.1 Subject to specific regulatory standards, allow existing private schools to expand and new private schools to develop.
- PS-9.2 Ensure that the Comprehensive Plan and development standards provide sufficient accommodation for the operation and expansion of private school opportunities.

**/ PS-10 Ensure that both public and private schools are safe and accessible to students, generate a minimal need for busing, and are compatible with and complementary to surrounding neighborhoods.**

- PS-10.1 Prohibit development of public and private schools on sites that present hazards, such as within Joint Base Lewis-McChord Accident Potential Zones I & II (APZs I & II) and industrial zoning districts, nuisances, or other limitations on the normal functions of schools that are unable to be mitigated.
- PS-10.2 Work with schools and neighborhoods to explore options for access to elementary and secondary schools via local streets and/or paths.
- PS-10.3 Develop specific regulatory standards to ensure that new residential development located near public schools provides adequate pedestrian and bicycle connections, signage, and traffic control measures where needed to ensure the safety of students traveling between the development and the school.
- PS-10.4 Apply improvement responsibilities to school district or private school operator developing new school sites equivalent to that applied to other types of development.
- PS-10.5 Retrofit existing neighborhoods with sidewalks, crosswalks, special signage, and other traffic control measures near schools as funding becomes available or as land uses are redeveloped.
- PS-10.6 Co-locate public school grounds and public parks whenever possible.
- PS-10.7 Encourage as appropriate the school district or private school operator to reduce high school student generated traffic impacts by implementing transportation demand management (TDM) mechanisms such as limited student parking, public bus routes, and other appropriate tools.
- PS-10.8 Encourage the school district to continue to make schools available for civic functions when classes are not in session.
- PS-10.9 Establish limited parking zones around schools where parking capacity problems exist.
- PS-10.10 Work with the CPSD to reuse/redevelop surplus school properties with appropriate uses consistent with the Comprehensive Plan.

**/ PS-11 Maintain and enhance top-quality institutions of higher education that will meet the changing needs of Lakewood’s residents and business community.**

- PS-11.1 Work with colleges to prepare a master plan and policy guide addressing the location of existing and proposed on- and off-site campus structures and uses.
- PS-11.2 Require new construction to be subject to requirements of the city's development standards, including adequate fire protection and emergency access, and generally consistent with the master plan.
- PS-11.3 Work with colleges to enhance area infrastructure to better serve college facilities, such as improved pedestrian, bike and bus connections, and more student housing and support services in the surrounding area.

**/ PS-12 Maximize the ability of higher educational institutions to provide quality services while minimizing impacts on area residents and businesses.**

- PS-12.1 Participate with institutions of higher education in master planning efforts, transit programs, neighborhood plans, and other programs intended to facilitate the provision of quality education in a manner compatible with surrounding uses.

**/ PS-13 Ensure that high quality library services are available to Lakewood residents.**

- PS-13.1 Work with the Pierce County Library System to address current service deficits, continued population growth, changing library services, increased and changing customer needs and expectations within the Lakewood service area.
- PS-13.2 Promote the construction a new main library facility within the city’s downtown core.
- PS-13.3 Assist the Pierce County Library System in the reuse/sale of the existing library building/property located at 6300 Wildaire Rd SW.
- PS-13.4 Work with the Library System to ensure that its facilities are located and designed to effectively serve the community.
- PS-13.5 Support the Pierce County Library System’s service levels (seating, materials and shelving, technology guidelines, meeting rooms, square feet per capita, and parking) as outlined in the Pierce County Library 2030 report and as may be updated from time-to- time.
- PS-13.6 Work with the Library System to identify non-capital alternatives such as specialized programs, new technologies, and other alternatives to provide up-to-date library services.
- PS-13.7 Establish a three- to five-mile service radius for library coverage.
- PS-13.8 Continue and expand bookmobile services to underserved and/or isolated areas such as Springbrook, Tillicum, and Woodbrook.

**/ PS-14 Create a community in which all members have the ability to meet their basic physical, economic, and social needs, and the opportunity to enhance their quality of life.**

- PS-14.1 Assess and anticipate human services needs and develop appropriate policy and program responses.
- PS-14.2 Convene and engage others, including the Youth Council, the Lakewood Community Collaboration, and Lakewood's Promise, in community problem-solving to develop and improve social services.
- PS-14.3 Disburse Community Development Block Grant and General Fund dollars to support a network of services which respond to community needs.
- PS-14.4 Promote awareness of needs and resources through strengthened dialogue, effective marketing strategies, and public relations activities.
- PS-14.5 Encourage services that respect the diversity and dignity of individuals and families, and foster self-determination and self-sufficiency.
- PS-14.6 Foster a community free of violence, discrimination and prejudice.
- PS-14.7 Encourage the location of medical clinics and services near transit facilities.

**/ PS-15 Ensure the city's Human Services Funds are effectively and efficiently managed.**

- PS-15.1 The city's role is to fund, advocate, facilitate, plan, and inform by continually engaging service providers and community organizations in dialogue regarding the functioning of the present service systems, the emerging needs of the community and the building of a comprehensive system of services.
- PS-15.2 Develop and maintain a strategic plan to direct collaborative services efforts.
- PS-15.3 Assess community needs and administer a funding allocations process to address identified community needs.
- PS-15.4 Develop contract performance measures and monitor contracting agencies performance.

**/ PS-16 Give a broad range of Lakewood citizens a voice in decision making about how we can create a safer, healthier community.**

- PS-16.1 Ensure the representation of culturally and economically diverse groups, including youth, people of color, seniors, and the disabled, in publicly appointed committees working on human services needs.
- PS-16.2 Develop decision-making processes that include regular feedback from the community and health/human services consumers.



**/ PS-17 Participate in regional and local efforts that address human services needs in the region and in the city.**

- PS-17.1 Support and actively coordinate with local, regional, and national efforts that address local human services needs and ensure that local services are compatible with other programs provided at the state and federal levels.
- PS-17.2 Continue the city's active participation in the Tacoma-Lakewood-Pierce County Continuum of Care, the Pierce County Human Services Coalition, and the 2060 and 2163 Funding Programs.

**/ PS-18 Maintain/improve community facilities and public infrastructure, particularly in underserved areas or neighborhoods.**

- PS-18.1 Support public infrastructure such as streets, sidewalks, street-lighting, street-related improvements, and park facilities and improvements, and the removal of architectural barriers that impede American Disabilities Act accessibility.
- PS-18.2 Support community facilities providing emergency services and basic needs.
- PS-18.3 Support the delivery of human services to, and sustain a community safety net for, identified vulnerable populations.
- PS-18.4 Develop and improve parks and open space in low income residential neighborhoods.

# 11 Subareas

## 11.1 Introduction

Under the GMA, state law considers subarea plans to be elements under the Comprehensive Plan, as per RCW [36.70A.080](#)(2). Lakewood currently has three subarea plans (shown in Exhibit 11-1), two of which are accompanied by development regulations and SEPA Planned Action Ordinances:

- 2018 Downtown Subarea Plan;
- 2021 Station District Subarea Plan; and
- 2024 Tillicum-Woodbrook Subarea Plan.

This element contains goals and policies related to subarea plans. While many of these policies refer to the three adopted subarea plans listed, there are also references to creating future subarea plans in Springbrook and the Pacific Hwy SW Corridor (the city’s “International District”).

The Downtown, Station District, and Tillicum-Woodbrook Subarea Plans and their respective development regulations and/or related SEPA Planned Actions and EIS documents are all hereby incorporated into the Comprehensive Plan by reference and are included as appendices to this element.

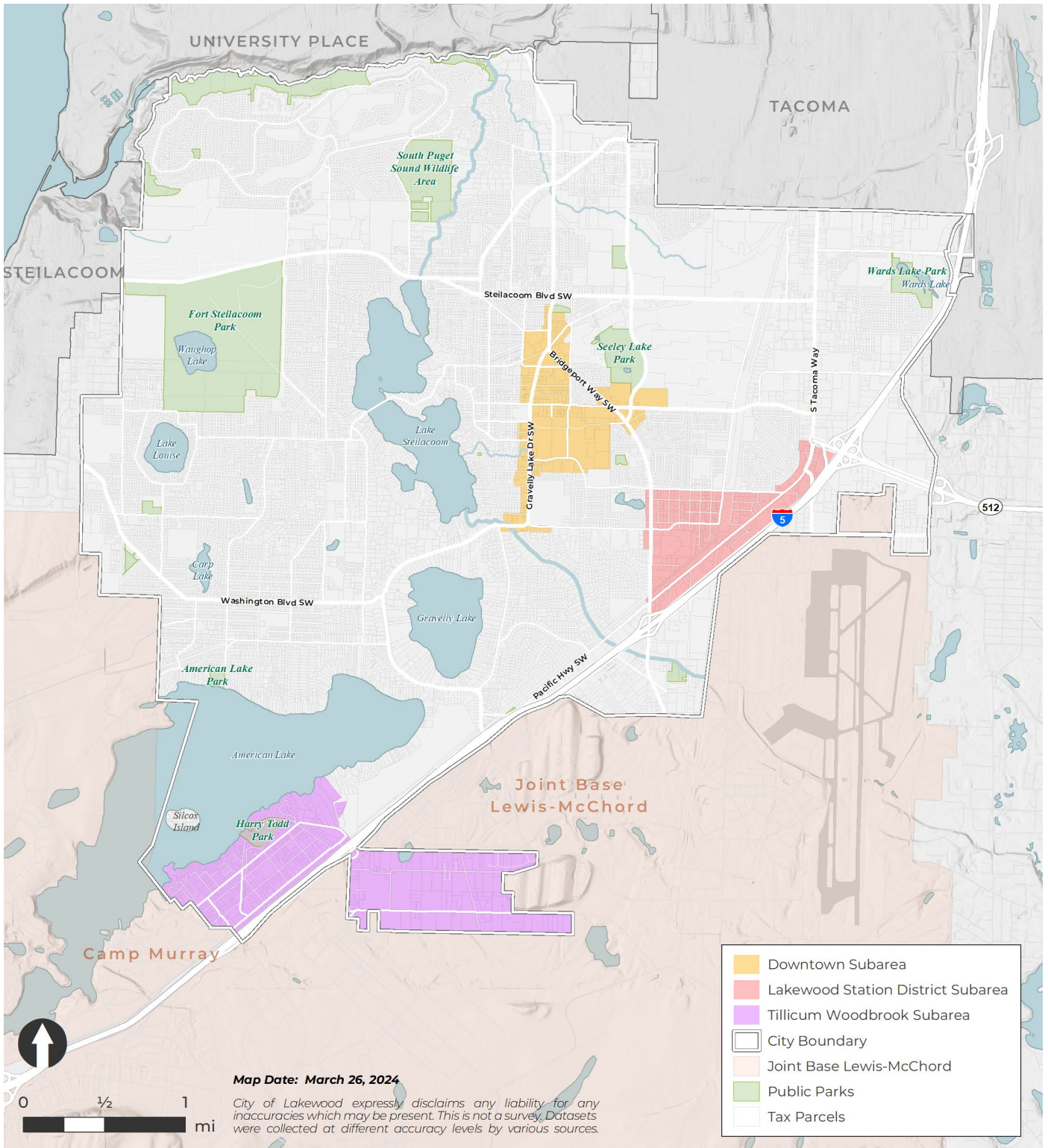
## 11.2 Background

### 11.2.1 2018 Downtown Subarea Plan

“There’s no there, there” is a common criticism of many American localities, and Lakewood has been no exception. The traditional icon of place is a recognizable downtown. Due in part to the century of unorganized development prior to incorporation, the basic ingredients for a Downtown do not work together to create an active, multifaceted core. This Comprehensive Plan is focused in part on creating a viable, functioning, and attractive city center.

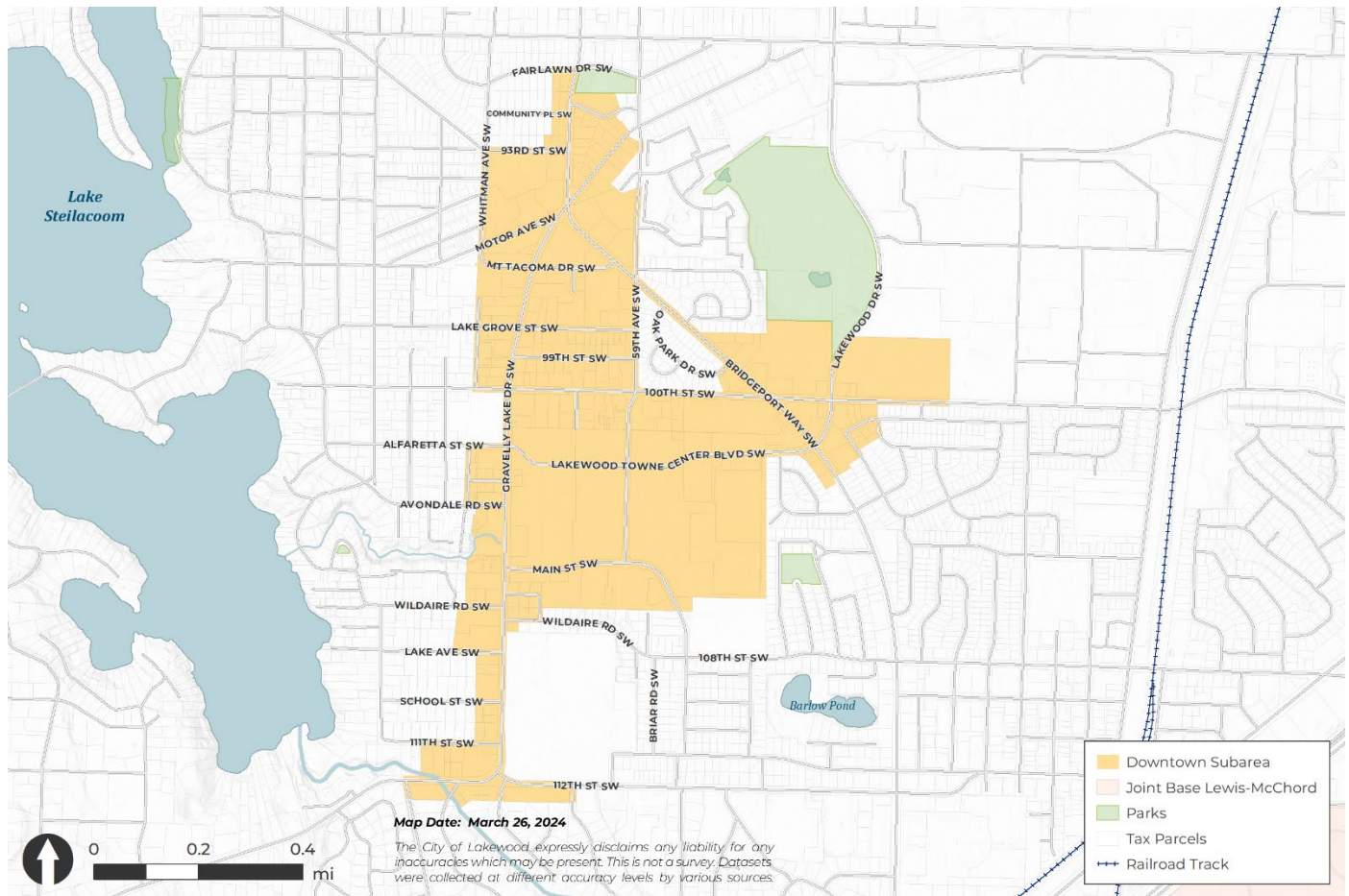
The Downtown Subarea, shown in Exhibit 11-2, is intended to be the hub of commercial and cultural activity for the city. It encompasses both the Lakewood Towne Center Mall and Colonial Center. In 2018, the city adopted the Downtown Subarea Plan, Code and Planned Action to spur “placemaking” and significant redevelopment in the subarea, including planning for 2,257 housing units and 7,369 jobs.

**Exhibit 11-1. Lakewood Subareas Map.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## Exhibit 11-2. Downtown Subarea Boundaries.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

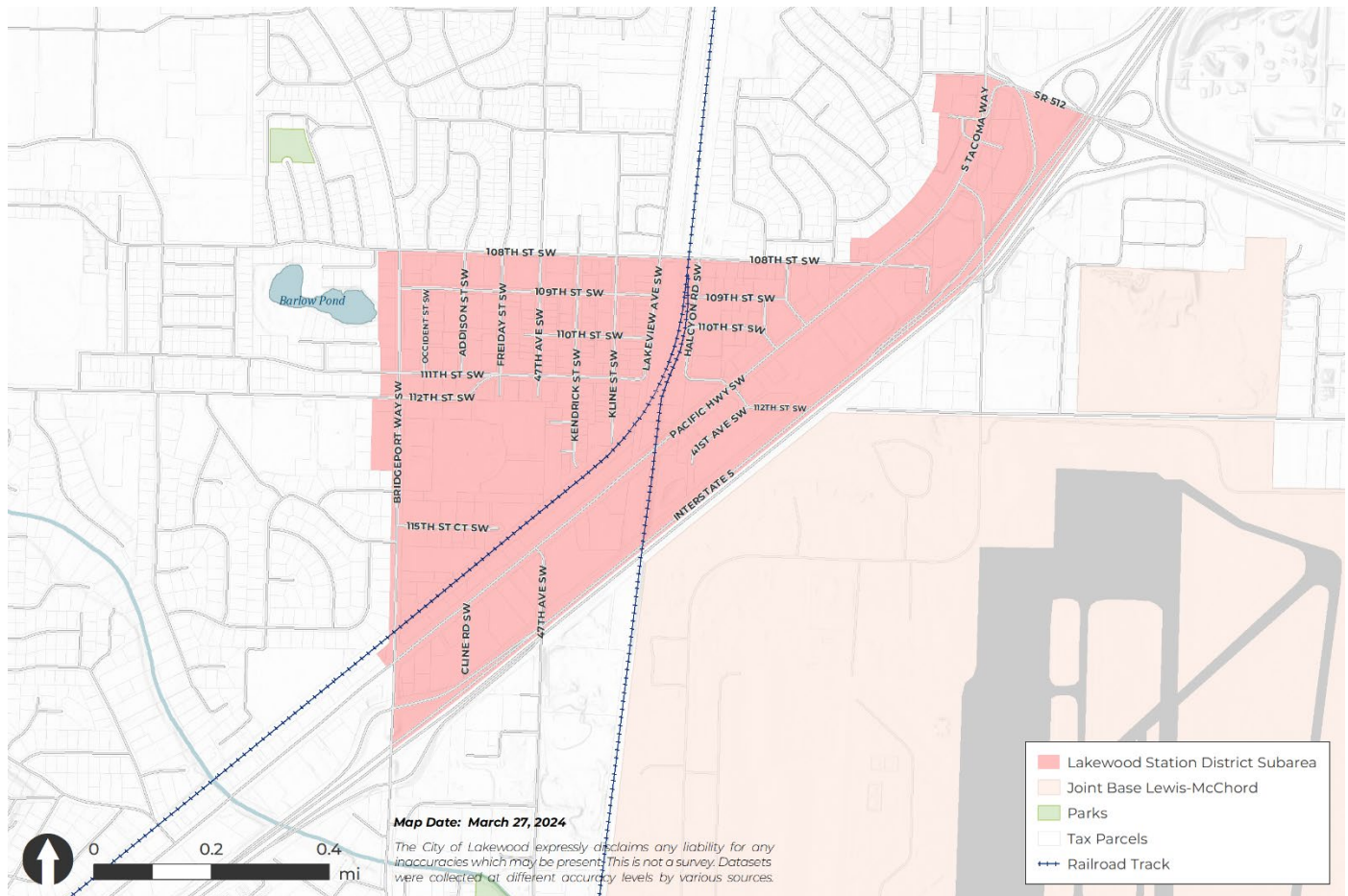
The area in and around the Towne Center Mall is envisioned as a magnet for intensive mixed use urban development including higher density office and residential uses. At the north end of the Downtown subarea, the Colonial Center will serve as the hub of Lakewood's cultural activity. Higher quality, denser urban redevelopment is expected within the district, noticeably increasing social, cultural, and commercial activity. Streetscape and other urban design improvements will make this area more accessible and inviting to pedestrians.

### 11.2.2 2021 Lakewood Station Subarea Plan

The Lakewood Station Subarea, shown in Exhibit 11-3, is intended to become a new high-density employment and residential district catalyzed by station-area development opportunities. A new pedestrian bridge connecting the Lakewood Sounder Station to the neighborhood to the north was completed in 2013. Numerous additional motorized and non-motorized access improvements to the Sounder Station will be completed in collaboration with Sound Transit by 2030.



### Exhibit 11-3. Lakewood Station Subarea Boundaries.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

In 2021, the city adopted the Lakewood Station District Subarea Plan, Code and Planned Action. Under the Plan, a dense concentration of urban development with a major concentration of multi-unit housing, health care services, and shopping will be developed within walking distance of the Lakewood commuter rail station. A significant high density, multi-unit residential presence providing residents with both rental and ownership opportunities in the center of this area is encouraged. A total of 1,722 housing units and 1,276 jobs are planned for this area.

The Lakewood Station District Subarea Plan includes goals, policies, and strategies to implement its vision. Special emphasis is placed on design per the hybrid form-based development code to enhance the pedestrian environment and create a diverse new urban neighborhood. New open space opportunities consistent with the desired urban character will be realized in private and public developments to attract development.

### 11.2.3 2024 Tillicum-Woodbrook Subarea Plan

The Tillicum-Woodbrook Subarea Plan, shown in Exhibit 11-4, builds upon the previous 2011 Tillicum Neighborhood Plan, updating the initial focus to include the Woodbrook area to better integrate these

connected communities. This revised plan is designed to guide Lakewood's development over the next two decades, covering land use, housing, economic development, and transportation.

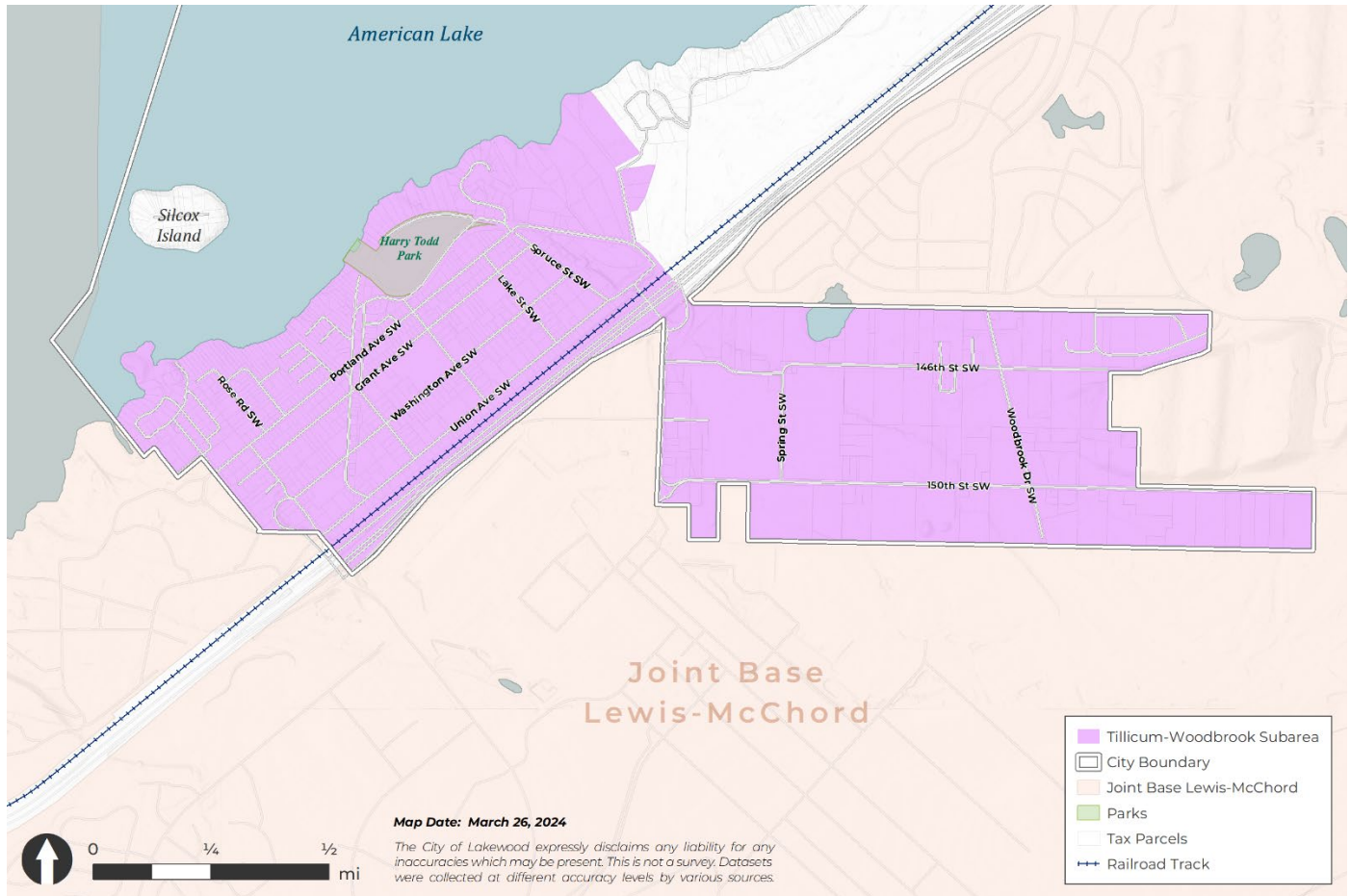
The plan builds on the previous Plan with comprehensive goals, policies, and actions aimed at fostering a vibrant community. It proposes changes to support a mix of housing types and densities and enhance public spaces and community services. These efforts are directed towards creating an inclusive environment where public access is prioritized, and community landmarks are developed as focal points.

Economic revitalization is another key goal, with the plan highlighting the role of commercial expansion in Tillicum to stabilize and grow the local economy. It targets economic disparities with policies that support local employment opportunities and workforce development, aiming to boost people in the community.

Sustainability and resilience are also central to the TWSP, including initiatives like the Gravelly Thorne Connector and diverse housing strategies to mitigate displacement. The plan also promotes multimodal transportation and sustainable infrastructure to ensure the long-term viability of the neighborhood and equitable growth for Tillicum and Woodbrook residents.



**Exhibit 11-4. Tillicum-Woodbrook Subarea Boundaries.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## 11.3 Goals and Policies

### 11.3.1 General

**/ SA-1: Provide subarea and redevelopment plans for targeted neighborhoods in the city to guide intended growth and development.**

SA-1.1 Manage the Downtown Subarea as the city's PSRC-designated Regional Urban Growth Center according to the VISION 2050 Urban Center criteria.

SA-1.2 Develop and implement redevelopment and subarea plans for other areas such as the Springbrook, the Downtown, the Pacific Highway SW corridor, and selected residential arterials.

### 11.3.2 Downtown Subarea

**/ DS-1 Implement the Downtown Subarea Plan.**

DS-1.1 Consider the differences between the three distinct districts in the Downtown Subarea as part of planning:

- **Colonial**, which includes colonial-style commercial buildings and the historic Lakewood Theater.
- **Town Center**, which contains the upgraded Lakewood Towne Center, an auto-oriented shopping area with stores and restaurants, a transit center, the Lakewood Playhouse, and City Hall. Note that when referring to the district as a whole, "town" is used in these policies, and when referring to the private mall, "towne" is used.
- **East District**, which is at the intersection of Bridgeport Way SW and 100th Street SW has a mix of large auto-oriented commercial centers and smaller strip-commercial properties along arterials.

DS-1.2 Implement a hybrid form-based code for the Downtown to regulate streetscapes and frontages according to different street types.

DS-1.3 Include overlay areas within the Downtown Subarea to provide more specific design standards based on location and context:

- The **Colonial Overlay (C-O)** is a special design district that preserves the unique colonial style aesthetic within that area.
- The **Town Center Incentive Overlay (TCI-O)** district allows for the holistic development of the Lakewood Towne Center in alignment with the vision and policies of the Downtown Plan.
- The **Low-Impact Mixed-Use Roads (LIMU-O)** district supports the transformation of the Downtown District according to the Downtown Plan and the fulfillment of the

purpose of the CBD zone but allows for existing single-family residential development to remain in place.

- The **Transition Overlay (TO)** is any property or portion of a property in the Downtown District that is within 100 ft. of an abutting single-family residential zone or mixed residential zone. Properties within the Downtown District that are separated from a single-family residential or mixed residential zone by a city-owned right of way of at least 60 ft. in width do not have to provide a transition area. The TO provides a buffer between higher intensity uses in the Downtown Subarea and lower intensity uses in the residential zones that surround downtown.

**/ DS-2 Urban Design + Land Use: Define Downtown Lakewood as a dynamic mixed-use urban center with diverse and intensive development, high-quality public spaces, and vibrant cultural and commercial activities.**

- DS-2.1 Promote redevelopment of the Central Business District as a mixed-use urban center that anchors the Downtown and bolsters Lakewood's sense of identity as a city.
- DS-2.2 Develop Downtown as not only the "heart" of the city, but a regional urban center where commerce, culture, and government flourish.
- DS-2.3 Promote the Central Business District as the primary center for retail, office, public services, cultural activities, urban residential, and civic facilities of Lakewood.
- DS-2.4 Promote office development, open space, high density residential development and/or mixed-use development in the Towne Center.
- DS-2.5 Promote the Central Business District as a daytime and nighttime center for social, entertainment, cultural, business and government activity.
- DS-2.6 Adopt new urban design approaches to raise the aesthetic standards of the Downtown.
- DS-2.7 Continue to foster transformation of the former mall to provide better public visibility; create additional public rights-of-way; and potentially develop entertainment, housing, visitor serving, and open space uses.

**/ DS-3 Economic Development: Highlight Downtown Lakewood as a destination for commerce, culture, and community living by enhancing opportunities for business and residential development.**

- DS-3.1 Develop Downtown as a destination for retail, office, public services, cultural activities (art, culture, and entertainment), urban residential, and civic facilities of Lakewood.
- DS-3.2 Ensure Downtown is home to a wide spectrum of businesses that reflect the area's most competitive and desired industries.
- DS-3.3 Prioritize and market catalytic sites identified through this Plan for mixed-use development.

DS-3.4 Improve the comfort and safety of residents, business owners and employees, customers, and visitors to the Downtown through design, maintenance, and policing strategies.

**/ DS-4 Housing: Support a diverse and inclusive residential environment in Downtown Lakewood by promoting varied housing options and supportive amenities for individuals and families of all backgrounds.**

DS-4.1 Encourage a diversity of housing types to ensure housing choices for current and future residents, workers, military families, and to strengthen commercial areas.

DS-4.2 Provide increased densities and regulatory flexibility in Downtown development regulations to attract diverse housing for all ages, abilities, and incomes.

DS-4.3 Create mechanisms that attract and increase multifamily development Downtown.

DS-4.4 Support hosting quality cultural, educational, and recreational activities to attract families to live Downtown.

DS-4.5 Promote well-designed and maintained diverse mixed use and multifamily housing opportunities available to all incomes.

**/ DS-5 Street Grids, Streetscapes & Public Spaces: Transform Lakewood Downtown into a dynamic, pedestrian-friendly hub that supports diverse social, cultural, and economic activities through strategic urban design and innovative parking solutions.**

DS-5.1 Promote the Central Business District as a daytime and nighttime center for social, entertainment, cultural, business and government activity.

DS-5.2 Promote cultural institutions, performing arts uses, and recreational activities within the Central Business District.

DS-5.3 Consider the use of the city's eminent domain powers to establish public streets and public open spaces in the Lakewood Towne Center.

DS-5.4 Maintain a pedestrian-orientation in building, site, and street design and development in the Central Business District.

DS-5.5 Maintain an appropriate supply of parking in the Central Business District as development intensifies.

DS-5.6 Foster the evolution of a Central Business District that is compact and walkable and not defined by large expanses of parking lots.

DS-5.7 Consider parking requirements for higher density areas that offer sufficient parking and access as well as encourage alternative transportation modes.

DS-5.8 Confine the location of parking areas to the rear of properties to increase pedestrian safety and minimize visual impact.

- DS-5.9 Identify places where on-street parking can be added adjacent to street-facing retail to encourage shopping and buffer sidewalks with landscaping to create a pleasant walking environment.
- DS-5.10 Encourage the use of structured, underbuilding, or underground parking, where feasible with site conditions, to use land more efficiently.
- DS-5.11 Encourage shared parking agreements within the Lakewood Towne Center.
- DS-5.12 Focus investments in Downtown by promoting joint and mixed-use development and integrating shared-use parking practices.

**/ DS-6 Transportation: Emphasize pedestrian and bicycle connectivity and transit use within the Downtown while accommodating automobiles.**

- DS-6.1 Balance the need for traffic flow with providing multi-modal travel options and supporting urban development in the Downtown.
- DS-6.2 Emphasize pedestrian and bicycle connectivity and transit use within the Central Business District (Central Business District).
- DS-6.3 Accommodate automobiles in balance with pedestrian, bicycle, and transit uses within the Central Business District and on individual sites.

**/ DS-7 Park, Open Spaces & Trails: Support Downtown by developing public spaces and recreational amenities that promote accessibility and community engagement.**

- DS-7.1 Create public spaces and amenities in the Central Business District (Central Business District) to support Downtown businesses and residents.
- DS-7.2 Acquire lands and construct community-gathering destinations such as plazas, open space or community facilities within the Towne Center.
- DS-7.3 Invest in a quality park and recreation system to enhance economic benefit.
- DS-7.4 Encourage the development of open space and recreation amenities in business parks or other commercial areas to support workers and nearby residents.
- DS-7.5 Increase emphasis on making Lakewood accessible and convenient for pedestrians and bicycle riders.

**/ DS-8 Stormwater and the Natural Environment: Protect environmental quality in the Downtown, especially with respect to stormwater-related impacts.**

- DS-8.1 Protect the quality and quantity of groundwater.
- DS-8.2 Require that development follow adopted stormwater standards that incorporate low impact development (LID) principles and standards:

- Where onsite filtration is feasible, it should be provided.
- Permeable surfaces should be considered for sidewalks.

**/ DS-9 Utility Infrastructure (Water, Sewer, Power): Ensure the Downtown is provided with sufficient utility capacity to meet current and future needs.**

DS-9.1 Ensure Downtown features a connected public street grid and updated utility infrastructure to support densification.

DS-9.2 Encourage energy efficient development in the Downtown Study Area.

**/ DS-10 Community Partnerships and Organization: Strengthen Downtown Lakewood's revitalization by supporting organizations dedicated to economic, social, and safety enhancements.**

DS-10.1 Focus on the revitalization of the Downtown through partnerships among the city, business and property owners, and the community; develop an organization whose primary function is to support implementation of this Plan.

DS-10.2 Support formation of business improvement organizations.

DS-10.3 Support the formation of a Lakewood Towne Center association or similar organization to establish economic improvement strategies and to sponsor social and safety events.

### **11.3.3 Lakewood Station District Subarea**

**/ LS-1 Implement the Lakewood Station District Subarea (LSDS) Plan.**

LS-1.1 Develop the LSDS into a distinctive urban node with diverse uses such as regional offices, high-density residences, local businesses, and open spaces.

LS-1.2 Coordinate with transit agencies to plan and develop the Lakewood Station Subarea as a multi-modal commuter hub.

**/ LS-2 Land Use and Urban Design: Develop the LSDS as a vibrant transit-oriented, mixed-use community with supporting amenities.**

LS-2.1 Support transit-oriented development in the LSDS to capitalize on access to regional transit and proximity to Lakewood Station.

LS-2.2 Support and incentivize mixed-use development near Lakewood Station and in the commercial areas along Pacific Highway and Bridgeport Way where there is capacity for increased intensity of development.

LS-2.3 Integrate public open spaces into new development to create opportunities for public gathering and green spaces in the LSDS.



- LS-2.4 Maintain land use and zoning designations that support high density residential development as part of mixed-use developments and residential redevelopment.
- LS-2.5 Apply a hybrid-form based code to create an identifiable look and feel for the LSDS and to support safe pedestrian spaces.
- LS-2.6 Adopt standards, uses and incentives that allow the subarea to transition from its present condition to its desired vision.
- LS-2.7 Consider the designation of new Green Streets as opportunities arise, in coordination with public input.

**/ LS-3 Housing: Promote diverse and affordable housing options in the LSDS that can accommodate a broad range of economic backgrounds, support local community investment, and prevent displacement.**

- LS-3.1 Encourage a variety of housing types to ensure choice for current and future residents, workers, military families, and to strengthen commercial areas.
- LS-3.2 Support housing affordable to current LSDS residents through preservation where possible, as well as redevelopment activities.
- LS-3.3 Incentivize the development of market rate and affordable housing options for households with incomes at 60-120% of the area median income to preserve affordability in the LSDS and avoid displacement of existing residents.
- LS-3.4 Encourage homeownership options that allow local residents to invest in the community to gain equity and wealth.
- LS-3.5 Attract a mix of large and small builders that can provide new housing options at a variety of scales and levels of affordability.

**/ LS-4 Economic Development, Business, & Employment: Advance economic growth in the LSDS to diversify local employment and services.**

- LS-4.1 Support medical office and commercial office opportunities.
- LS-4.2 Encourage mixed-use development to expand opportunities for business and employment in the LSDS.
- LS-4.3 Support small business development to build on the diverse offering of goods and services to residents and workers in the LSDS.

**/ LS-5    Transportation: Enhance accessibility and connectivity by developing comprehensive multi-modal transportation infrastructure and connections to key destinations.**

- LS-5.1    Provide multi-modal transportation options to improve the flow of people and goods in the LSDS and to reduce auto-dependence.
- LS-5.2    Support pedestrians in the LSDS with sidewalk and infrastructure improvements that enhance safety and provide a more comfortable travel experience.
- LS-5.3    Enhance non-motorized connections to Lakewood Station and Pierce County Transit facilities to encourage the use of regional and local transit.
- LS-5.4    Connect the LSDS to Downtown with enhanced pedestrian and bicycle facilities.
- LS-5.5    Publicly invest in the development and construction of streetscapes to support redevelopment in the LSDS.
- LS-5.6    Consider options for crossing Pacific Highway to provide a safe and efficient linkage between Lakewood Station and the Lakewood Landing development site.

**/ LS-6    Utilities & Public Services: Expand infrastructure to support sustainable redevelopment and growth.**

- LS-6.1    Ensure there is adequate utilities infrastructure to support redevelopment of the LSDS according to the vision.
- LS-6.2    Consider future agreements to support infrastructure development in the LSDS such as development agreements, latecomers agreements, fee assessments, improvement districts, and other tools.

### **11.3.4    Tillicum-Woodbrook Subarea**

**/ TW-1    Celebrate the Tillicum-Woodbrook Community Center, Tillicum Elementary School, Harry Todd Park, and Pierce County Library branch as the heart of the Tillicum-Woodbrook Subarea.**

- TW-1.1    Encourage public and private investment in human services, Tillicum-Woodbrook Community Center, Tillicum Elementary School, and the arts.
- TW-1.2    Expand public access to American Lake to increase recreation opportunities for all residents.
- TW-1.3    Support youth activities and programs.
- TW-1.4    Invest in new community spaces and civic institutions in Woodbrook

**/ TW-2 Increase visibility of Tillicum’s and Woodbrook’s diverse community by investing in leadership development and the neighborhood’s ability to advocate for community needs.**

- TW-2.1 Invite all Lakewood residents to visit Tillicum-Woodbrook and celebrate its identity as a family-friendly neighborhood and as a regional destination.
- TW-2.2 Support and encourage community-based leadership development and capacity building through regular communication with neighborhood and civic organizations.
- TW-2.3 Celebrate Tillicum and Woodbrook’s history.
- TW-2.4 Ensure residents continue to live in Tillicum and Woodbrook.

**/ TW-3 Diversify Tillicum’s and Woodbrook’s housing options to support current residents in Lakewood.**

- TW-3.1 Encourage and support efforts to increase homeownership.
- TW-3.2 Provide for a range of housing options to meet community needs.
- TW-3.3 Encourage and support access to affordable, safe, and connected housing options.

**/ TW-4 Connect Tillicum and Woodbrook to Lakewood and Pierce County through a multi-modal transportation network to increase access to employment and social activities.**

- TW-4.1 Evaluate on-street parking needs in Tillicum and Woodbrook and implement curb management strategies as needed to ensure public access to businesses and homes in Tillicum and Woodbrook.
- TW-4.2 Invest in infrastructure to support mobility needs and address mobility barriers of neighborhood residents.
- TW-4.3 Prioritize investments in vehicle infrastructure to support connecting Tillicum and Woodbrook to other parts of Lakewood.
- TW-4.4 Provide opportunities for safe pedestrian and bicycle connections from Tillicum and Woodbrook to other portions of Lakewood.
- TW-4.5 Partner with local and regional transit agencies to provide reliable transit service to neighborhood residents to increase access to social and economic opportunities.

**/ TW-5 Increase economic development opportunities within Tillicum and Woodbrook.**

- TW-5.1 Support or foster relationships with educational institutions and employment organizations that encourage the development of higher education, apprenticeship and internship opportunities, and adult learning offerings to contribute to building community capacity and innovation.

TW-5.2 Continue to partner with Workforce Central, the Tacoma-Pierce County Economic Development Board, and the Lakewood Chamber of Commerce to provide support and resources to small businesses in Tillicum and Woodbrook.

TW-5.3 Support additional food resources, commercial development, job growth, and technical assistance in the Tillicum Woodbrook Subarea.

**/ TW-6 Protect Tillicum and Woodbrook’s natural environment and increase adaptability and resiliency for Tillicum and Woodbrook as communities significantly impacted by air quality and climate change.**

TW-6.1 Enhance quality of life in Tillicum and Woodbrook through the thoughtful placement and improvement of parks and recreational activities.

TW-6.2 Protect water quality in American Lake.

TW-6.3 Encourage the use of sustainable materials and building practices.

# 12 Transportation

## 12.1 Introduction

The content in this Transportation Element is consistent with state law, regional and countywide policies, and other elements of the Lakewood Comprehensive Plan, and will positively contribute to the region's transportation system over time. The goals and policies included here are based on local priorities but are also coordinated with the Comprehensive Plans of University Place, Tacoma, Steilacoom, and Pierce County.

Transportation planning in Lakewood must consider several major trends that will impact traffic patterns into the future:

- **Expected future growth.** Lakewood is planning for 9,378 more housing units, 574 emergency housing units, and 9,863 new jobs by 2044. This municipal growth, coupled with projected countywide and regional growth, will require Lakewood to plan creatively and efficiently for sufficient motorized and non-motorized ("active") community transportation systems. The 2024 Transportation Element updates are also due to recent changes in the GMA requiring cities to plan to accommodate specific numbers of housing units affordable to different income levels.
- **Proximity to major transportation corridors.** Lakewood is transected by Interstate 5 (I-5) and is immediately adjacent to State Highway 512 (Hwy 512), both major transportation corridors that will be more congested over the next 20 years. This will increase pressures on the city's main transportation corridors over time as travelers seek alternative routes when construction projects and/or natural disasters shut down highways for any length of time.
- **Parking supplies.** Public parking primarily exists in surface parking lots to support commercial, office, light industrial, and multi-family residential areas. There is an abundant supply of parking in most of these areas. While adequate parking is critical to any type of development, an oversupply of parking wastes resources and encourages a continuation of auto-oriented travel. Therefore, the city's parking goals and policies balance these two conflicting outcomes.
- **Expanded development capacity in residential areas.** The 2023 GMA requirements to allow for up to four middle housing units and at least two accessory dwelling units per lot in historically single-family areas will also require the city to proactively prepare for the resulting increased traffic and parking pressures in residential areas, particularly since much of these areas are not located close to transit options.
- **Climate change and resiliency.** 2023 changes to the GMA also require the city to also plan for climate change and resiliency, which will affect the Transportation Element through 2034 and beyond. In 2024, the Transportation Element is reflecting work done to date in preparation of more in-depth climate-related updates by 2029.

## 12.2 Background

### 12.2.1 Overview

In its 2023–2024 Strategic Plan, the City Council identified transportation projects as high priorities and adopted a goal to “provide safe, clean, well-maintained, and dependable infrastructure” with the following specific objectives:

- Implement capital infrastructure projects to improve transportation, park, and utility systems;
- Invest in preventative maintenance of facilities, parks, and streets to protect city assets;
- Advance infrastructure projects that enhance the city’s identity and diversity;
- Increase connectivity and accessibility.

The Council also adopted an Objective to “advocate for increased transportation and parks infrastructure funding.”

The goals and policies contained in the Transportation Element are informed by the City Council’s 2021-2024 Strategic Plan. They also reflect technical information from the 2015 Transportation Background Report and 2024 supplements to that report (see Appendix). The 2009 Transportation Background Report and the 2018 Downtown Subarea Plan Transportation Report provided information on existing transportation facilities, travel forecast data, transportation systems plans, LOS, and options for implementation.

This Element addresses the connection between transportation and land use; establishes means to increase travel options; describes desirable characteristics of transportation facilities’ design and operation; and addresses connectivity, access, traffic management, maintenance, and amenities for transportation improvements. The general principles underlying this Element include:

- Promote safe, efficient, and convenient access to transportation systems for all people.
- Recognize transit, bicycling, and walking as fundamental modes of transportation of equal importance compared to driving when making transportation decisions.
- Create a transportation system that contributes to quality of life and civic identity in Lakewood.
- Reduce mobile source emissions to improve air quality.
- Integrate transportation-oriented uses and facilities with land uses in a way that supports the city’s land use as well as transportation goals.
- Increase mobility options by actions that diminish dependency on SOVs.
- Focus on the movement of both people and goods.

There are several issues and realities affecting transportation planning and implementation in Lakewood:

- **Physical Features.** Natural obstacles, especially American Lake, Gravelly Lake, and Lake Steilacoom, constrict traffic flow options between the east and west halves of the city to a few arterial connections.



- **Existing Patterns.** Pre-incorporation, Lakewood’s street network evolved in a pattern where few principal roadways connect a network largely composed of otherwise unconnected cul-de-sacs. Because of the city’s geographic location, presence of natural features, and adjacent military installations, I-5, and SR 512 form primary connections with the rest of the region.
- **Alternative Transportation Modes.** There are few realistic alternatives to driving for most people in Lakewood. The city’s current bicycle and pedestrian network does not provide safe links to all commercial areas, schools, community facilities, and residential neighborhoods. Alternative motorized modes include local and regional transit connections provided by Pierce County Transit, Intercity Transit, and Sound Transit systems will improve connectivity as commuter rail and BRT service is established.

## 12.2.2 Inventory and Classifications

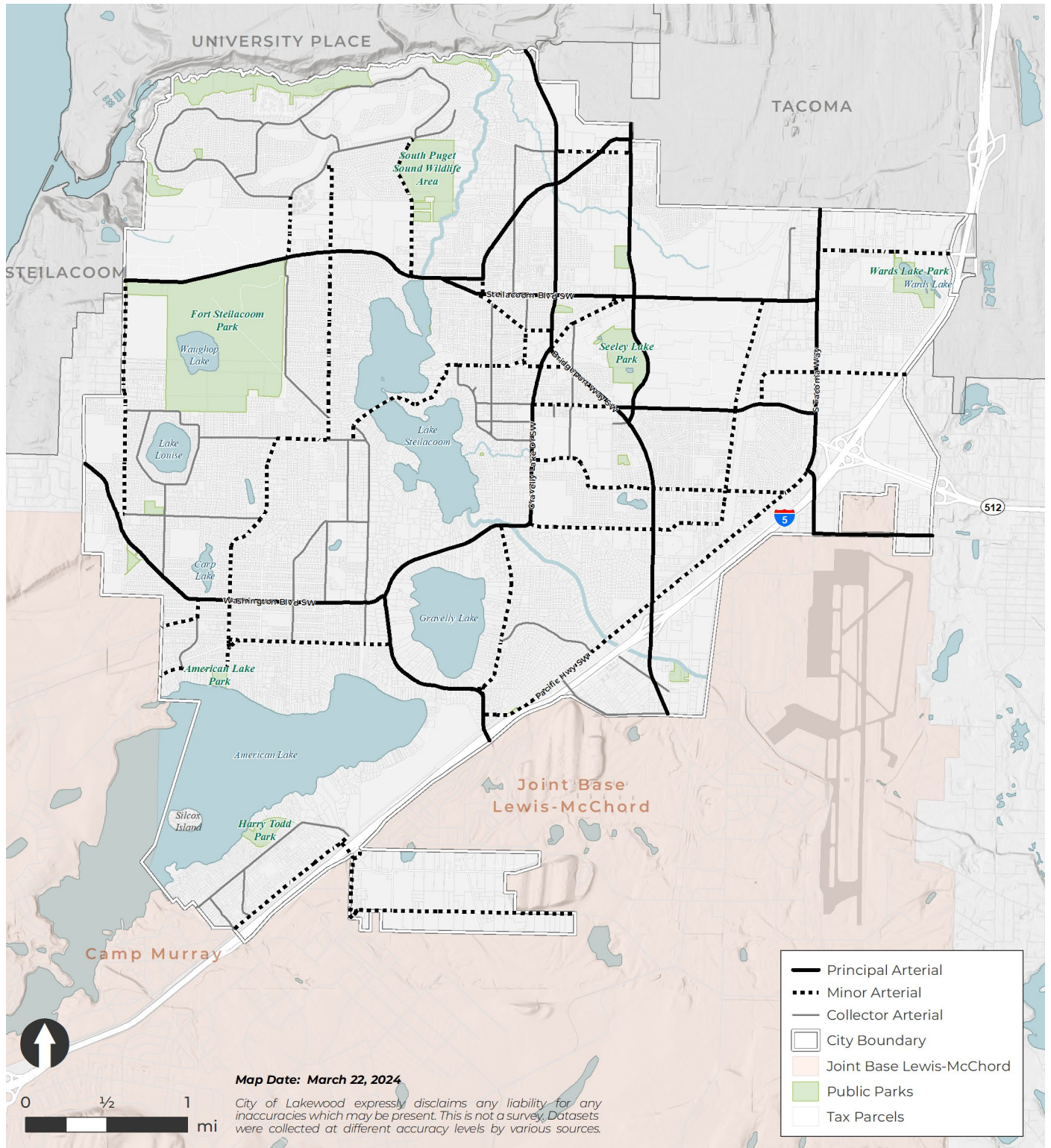
### Streets

For the purposes of managing the city’s street network, the streets in the city can be classified as follows:

- **Principal arterials** (major arterials) are roadways that provide access to principal centers of activity. These roadways serve as corridors between principal suburban centers, larger communities, and between major trip generators inside and outside the plan area. Service to abutting land is subordinate to travel service to major traffic movements. The principal transportation corridors within the City of Lakewood are principal arterials. These roadways typically have daily volumes of 15,000 vehicles or more.
- **Minor arterials** (minor arterials) are intra-community roadways connecting community centers with principal arterials. They provide service to medium-size trip generators, such as commercial developments, high schools and some junior high/grade schools, warehousing areas, active parks and ballfields, and other land uses with similar trip generation potential. These roadways place more emphasis on land access than do principal arterials and offer lower traffic mobility. In general, minor arterials serve trips of moderate length, and have volumes of 5,000 to 20,000 vehicles per day.
- **Collector arterials** (minor arterials) connect residential neighborhoods with smaller community centers and facilities as well as provide access to the minor and principal arterial system. These roadways provide both land access and traffic circulation within these neighborhoods and facilities. Collector arterials typically have volumes of 2,000 to 8,000 vehicles per day.
- **Local access roads** (access streets) include all non-arterial public city roads used for providing direct access to individual residential or commercial properties. Service to through traffic movement usually is deliberately discouraged. This also includes private access roads.

The definition of the streets in Lakewood as part of these categories is provided in Exhibit 12-1.

**Exhibit 12-1. Lakewood Street Classifications.**



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.

## Non-Motorized Transportation

The 2023 Non-Motorized Transportation Plan (NMTP) revisited and expanded upon the city's original 2009 plan by assessing the advancements made in Lakewood's non-motorized infrastructure and outlining future projects to address remaining gaps in the pedestrian and bicycle systems. The update process involved gathering community input, revising existing infrastructure records, and utilizing GIS data for spatial analysis to prioritize improvements, and resulted in the development of an inventory of existing sidewalk/pedestrian and bicycling facilities.

The relevant inventories from the 2023 NMTP are included as follows:

- The **Pedestrian System Plan** is highlighted in Exhibit 12-2, which includes all sidewalks, trails, and mixed-use paths available to pedestrians, as well as future priority connections for building out the city's pedestrian network.
- The **Bicycle System Plan** is summarized in Exhibit 12-3. As with the Pedestrian System Plan, this includes a summary of existing facilities, including bicycle lanes, shared use paths available for bikes, sharrows, and road shoulders available for cyclists, as well as identified connections to build a complete network.

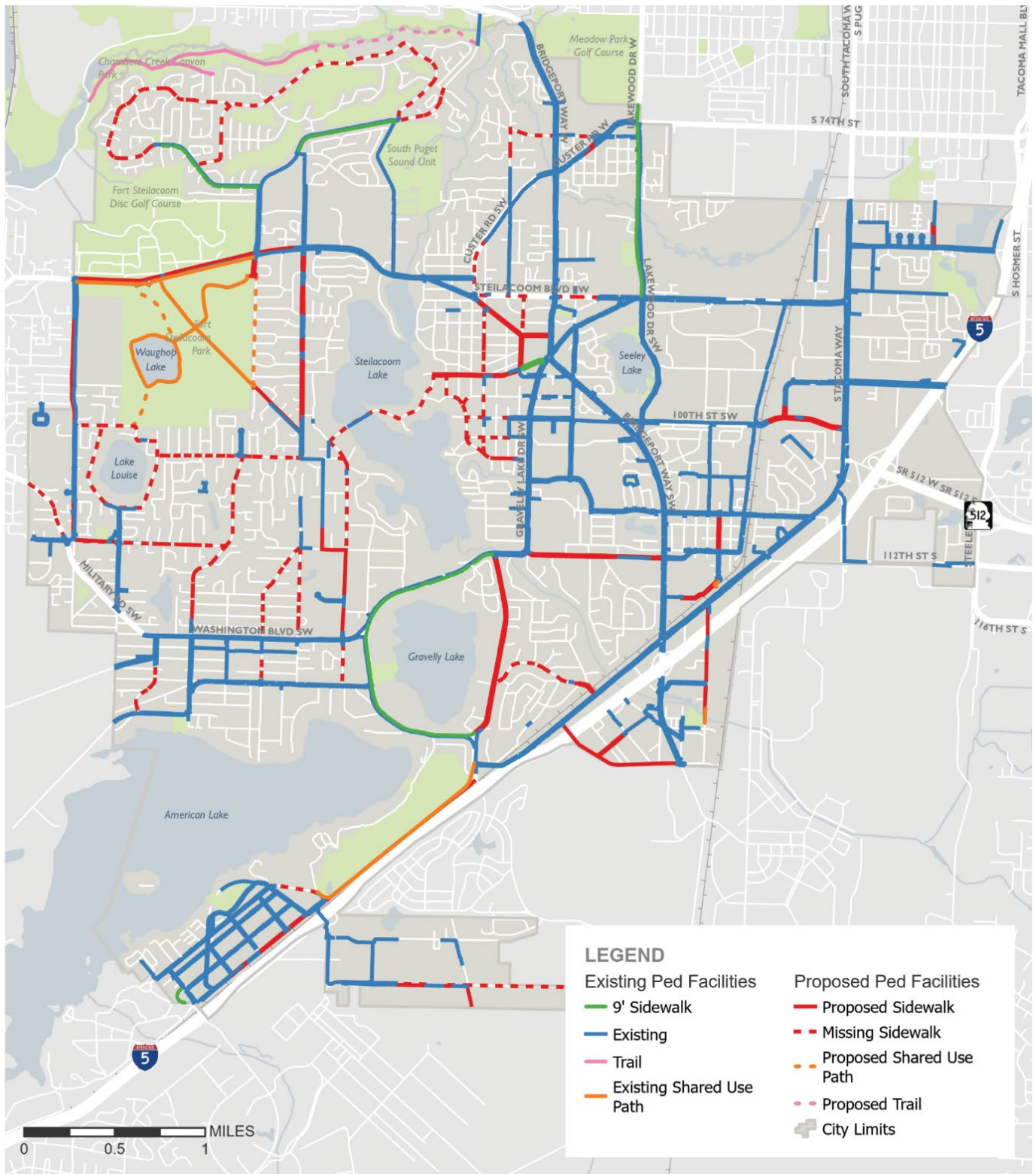
Note that in addition to these inventories and gap assessments, the NMTP also includes the following recommendations:

- **Project programming, coordination, and development.** The city should work with neighboring cities, regional transportation agencies, school districts, and neighborhood associations to prioritize and coordinate non-motorized transportation projects with other construction.
- **Database maintenance.** The city should periodically update asset management information in its GIS database to reflect changes to pedestrian and bicycle infrastructure. These updates may be made individually, or as a comprehensive regular update.
- **WSDOT coordination on I-5 facilities.** The city should encourage the Washington State Department of Transportation (WSDOT) to assess pedestrian and bicycle facilities at I-5 interchanges and overcrossings within the city.
- **Neighborhood traffic management.** The city should continue implementing its Neighborhood Traffic Management Program to address local traffic and safety concerns and integrate considerations from the NMTP into this ongoing effort.
- **Walk-to-school route planning and bicycle education.** The city should revise and coordinate walk-to-school route plans on an ongoing basis in partnership with the Clover Park School District.

Additionally, the city intends to complete a Transition Plan to meet the requirements of the Americans with Disabilities Act (ADA). This will be intended to identify major mobility challenges with city-owned infrastructure and provide a clear strategy for assessing, prioritizing, and implementing changes to improve access.

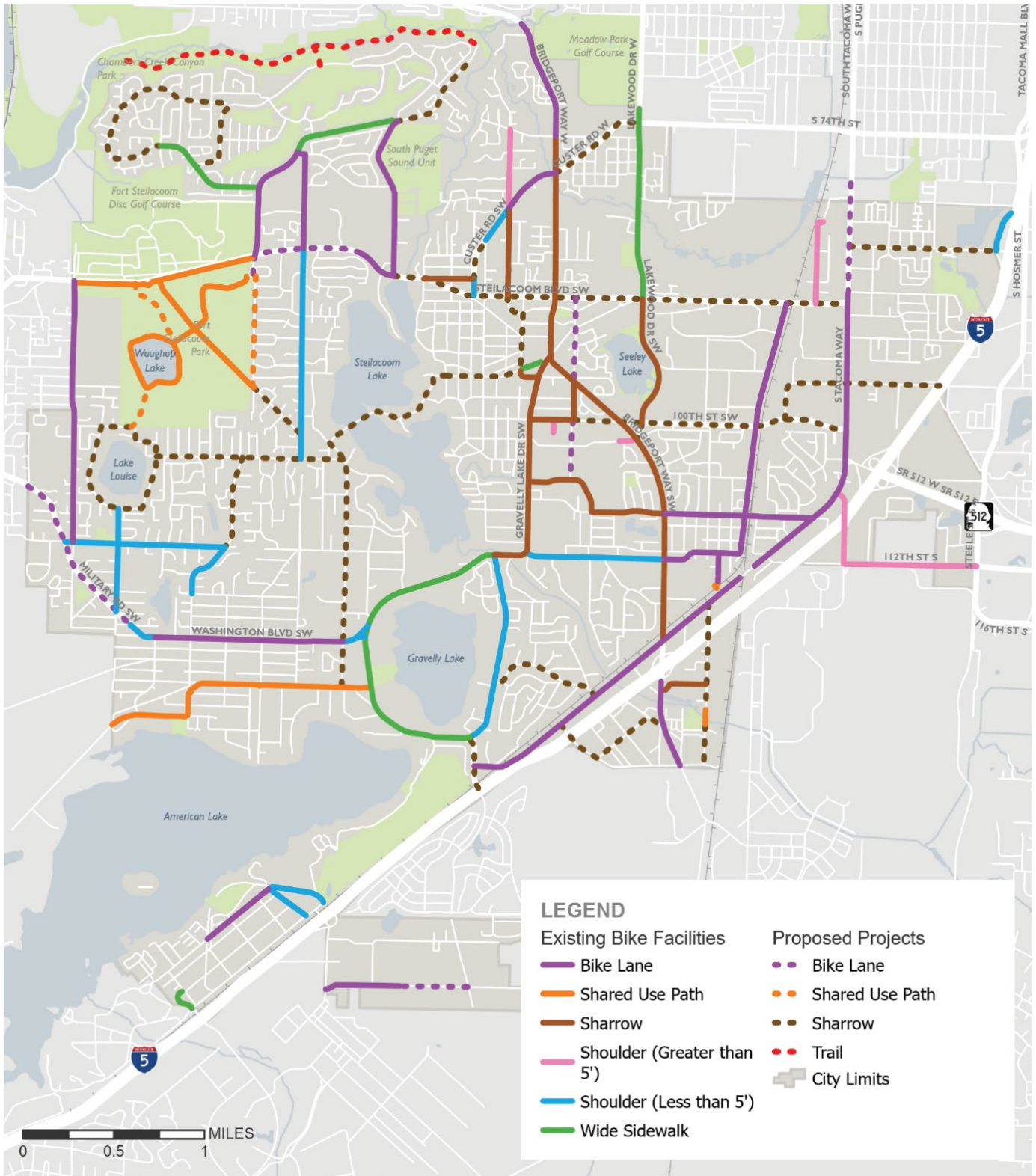


**Exhibit 12-2. Lakewood Pedestrian System Plan.**



Sources: City of Lakewood, 2023.

**Exhibit 12-3. Lakewood Bicycle System Plan.**



Sources: City of Lakewood, 2023.

## Transit

A map of current and proposed transit services in Lakewood are provided in Exhibit XX. Transit service in Lakewood is provided by two agencies:

- **Pierce County Transit**, managed by Pierce County, provides local bus service and is coordinating the development of a future bus rapid transit (BRT) system that may include alignments in Lakewood. Current service is outlined in Exhibit XX. Routes 2, 3, and 4, providing connections to Tacoma and Puyallup, are frequent lines that converge at the Lakewood Transit Center. Other bus lines include the 206 and 214, which also service JBLM, and the 212, which provides a connection to the Anderson Ketron Ferry in Steilacoom.
- **Sound Transit** (Central Puget Sound Regional Transit Authority), managed as an independent authority and governed by a Board of Directors drawn from elected officials in the region, provides regional bus, light rail, and commuter rail service across the central Puget Sound. Current service is outlined in Exhibit 12-5. At present, three ST Express buses serve routes that connect Lakewood with Tacoma, Seattle, and Sea-Tac Airport, and the Sounder S Line has its final stop at Lakewood Station. The future Dupont Sounder Extension, expected by 2045, will provide an additional station in the Tillicum neighborhood.

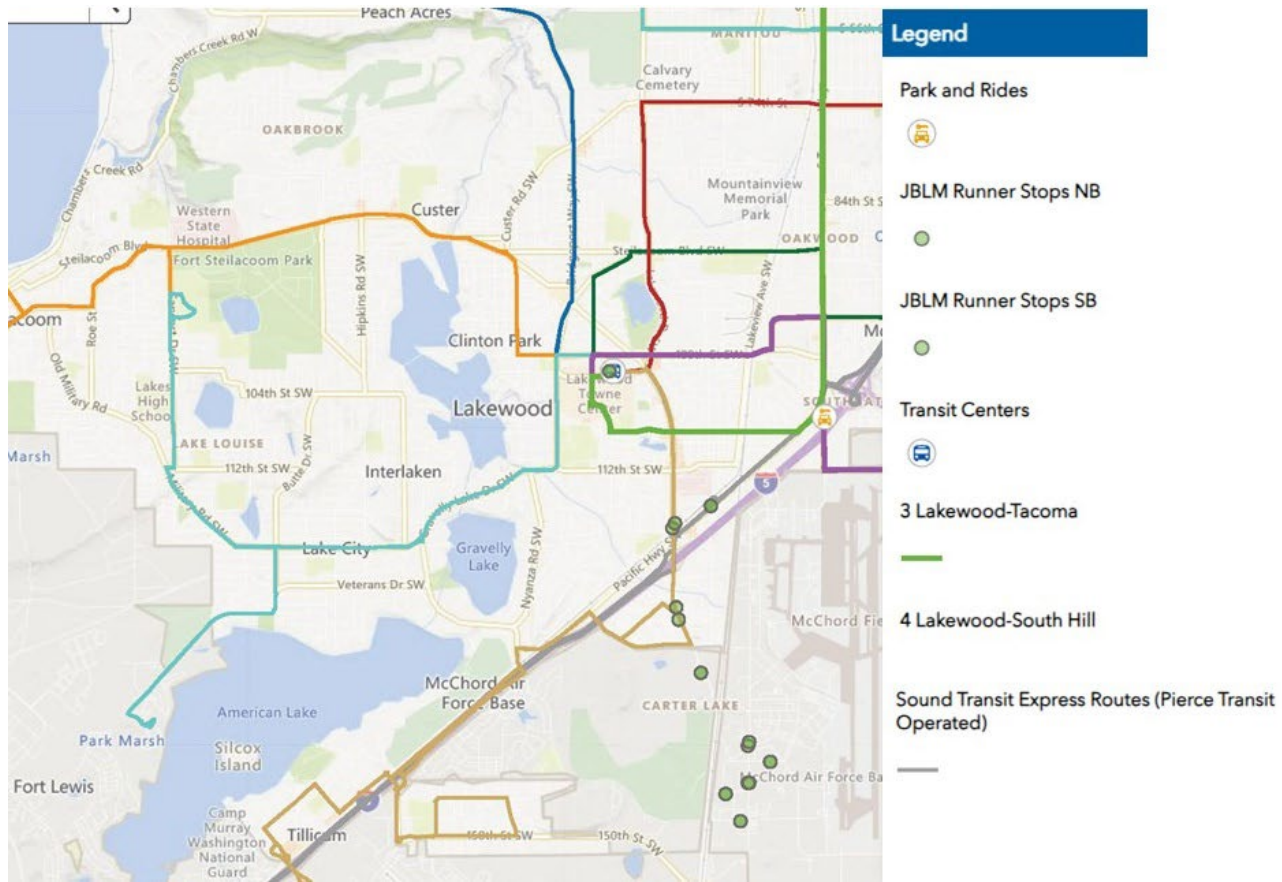
The Lakewood Transit Center and Lakewood Station, located at 11424 Pacific Hwy SW provides the city with a significant transit hub for the area, and includes 600 parking spaces for Sound Transit passengers, as well as bike parking and storage.

Although the transit serving the city is not under local control, these services are important for the city to consider when working to meet several different objectives:

- Provide alternatives to single-occupancy vehicles to mitigate congestion and ensure that the city's transportation network can operate sustainably.
- Address planning requirements related to distances from transit stops, such as RCW [36.70A.635](#) which allows for four housing units per acre for parcels within 1/4 mile of a transit stop for commuter rail or bus rapid transit.
- Coordinate "first mile, last mile" connections between transit stops and destinations (e.g., residences, workplaces) that would be managed or supported by the city.
- Give options to people that cannot or choose not to use personal vehicles to have an option to access destinations within and outside the city.

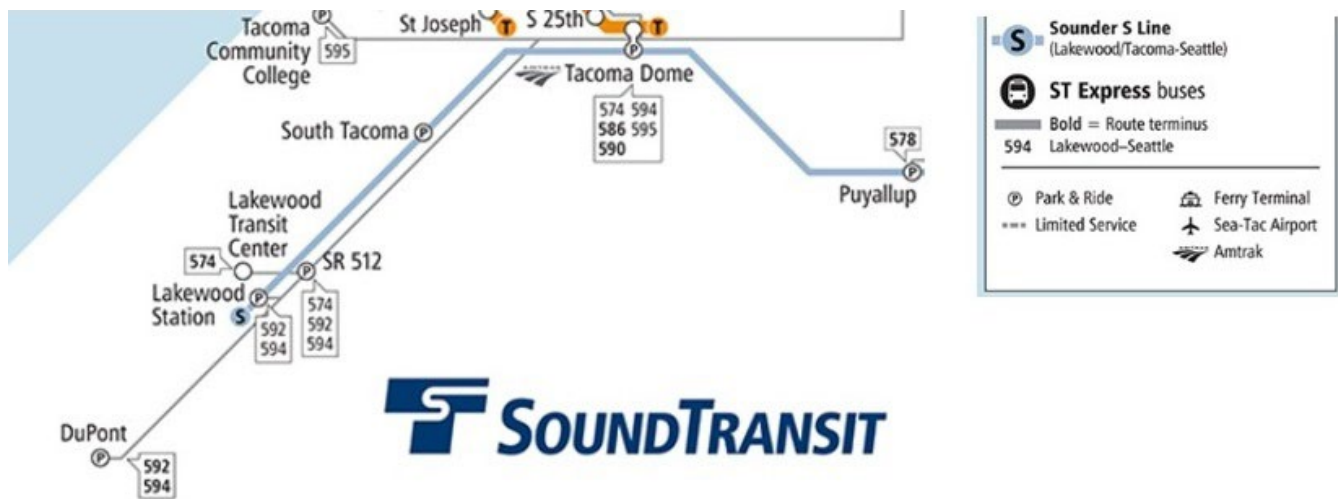


**Exhibit 12-4. Pierce County Transit Service in Lakewood.**



Sources: Pierce Transit, 2024.

**Exhibit 12-5. Sound Transit Service in Lakewood.**



Sources: Sound Transit, 2024.

## Freight

In addition to maintaining road and transportation networks for passenger vehicles, it is essential to acknowledge the need for freight access in Lakewood. Industrial uses and warehousing require consistent access by truck traffic, which can often require balancing needs to improve safety in major trucking corridors.

Major freight routes in Lakewood are outlined in Exhibit XX, based on the Washington State Department of Transportation's (WSDOT) 2021 Freight and Goods Transportation System (FGTS) report. These freight corridors are classified by the annual freight tonnage transported for each roadway segment.

## 12.2.3 Levels of Service

### Street Network

With respect to the street network in Lakewood, the target LOS thresholds for the system are established as shown in Exhibit 12-6:

**Exhibit 12-6. LOS Standards for Lakewood Streets.**

Area/Facility	LOS Threshold	Volume/Capacity (VC Ratio)
All arterial streets and intersections in the city, including state highways of statewide significance except as otherwise identified	LOS D	0.90
<ul style="list-style-type: none"> <li>Steilacoom Boulevard corridor between 88th Street SW and 83rd Avenue SW</li> </ul>	LOS F	1.10
<ul style="list-style-type: none"> <li>Gravelly Lake Drive, between 1-5 and Washington Boulevard SW</li> <li>Washington Boulevard SW, west of Gravelly Lake Drive</li> </ul>	LOS F	1.30

The specific corridors with thresholds of LOS F are also denoted in **Error! Reference source not found.** Note that the City may allow additional two-way and one-way stop-controlled intersections to operate worse than the LOS standards, but these instances should be thoroughly analyzed from an operational and safety perspective.

### Multimodal System

With respect to both pedestrian and biking in the city, providing multimodal LOS (MMLOS) measures similar to those provided for the road network does not make sense, as traffic volumes will not likely exceed capacity for available infrastructure in a way comparable to the road network.

Assessing MMLOSs for existing and potential multimodal corridors are classified according to their contribution to building a complete network. The following three classifications can be used considering the outlined existing and proposed networks for pedestrians in Exhibit 12-2 and cyclists in Exhibit 12-3:

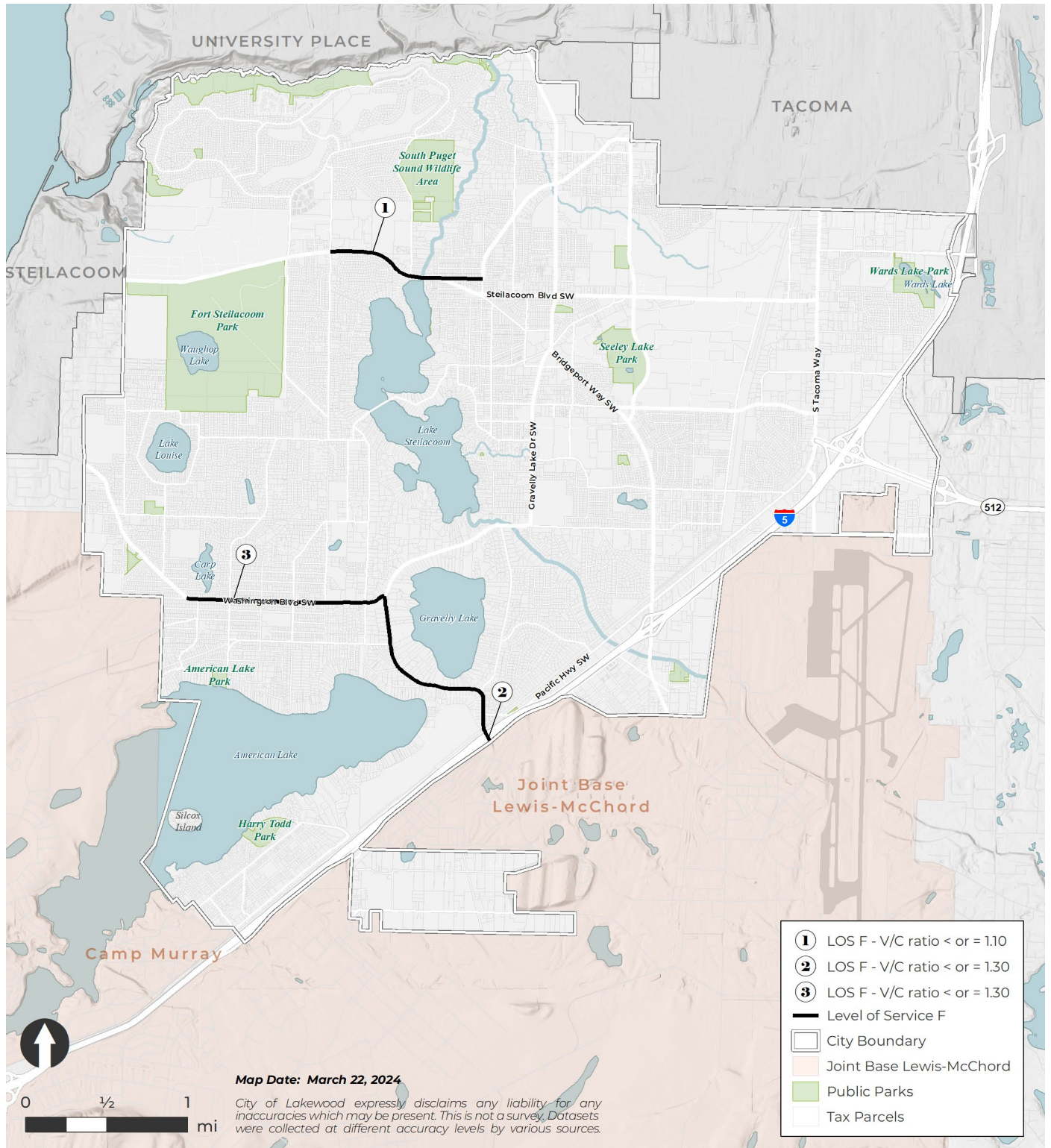
- Adequate facilities.** Under the current system, this category would represent portions of the system that are currently a functional part of the city's multimodal transportation network (walking and/or biking). While improvements and regular maintenance may be necessary, these facilities are designed to a sufficient level to support current and expected users.
- High priority.** From the NMTP, multiple priority projects have been identified as crucial to expanding the city's network and improving available connections. This would include the sidewalk projects from the NMTP listed in Exhibit 12-8, as well as the proposed projects listed in the inventories above. These projects should be given high priority for future funding and resources, as they are expected to significantly promote walking and biking in the city moving forward.

- **Moderate priority.** While no less of a priority, other projects may represent changes to facilities that currently exist but may not be as functional as an effective transportation connection or as high of a priority as identified in the NMTP. Additionally, there may be other potential projects that can contribute to the network but are not currently identified in the NMTP. These would be highlighted as important to the city, but not the highest priority projects in building out the desired network.

These classifications would be applied to the proposed pedestrian and cycling networks and updated as required. Ongoing efforts to ensure that MMLOS would be improved for non-motorized systems would focus on how Lakewood is striving towards greater connectivity, safety, and effective use through the complete network identified in the NMTP. Future policy actions should be evaluated based on the length of moderate and high priority facilities that can be recategorized as “adequate”.

Over time, these measures may be expanded further to account for a more detailed perspective on multimodal transportation needs in the city. Regular updates to the NMTP and the Element should revisit these measures and explore how best to reflect these needs in the future.

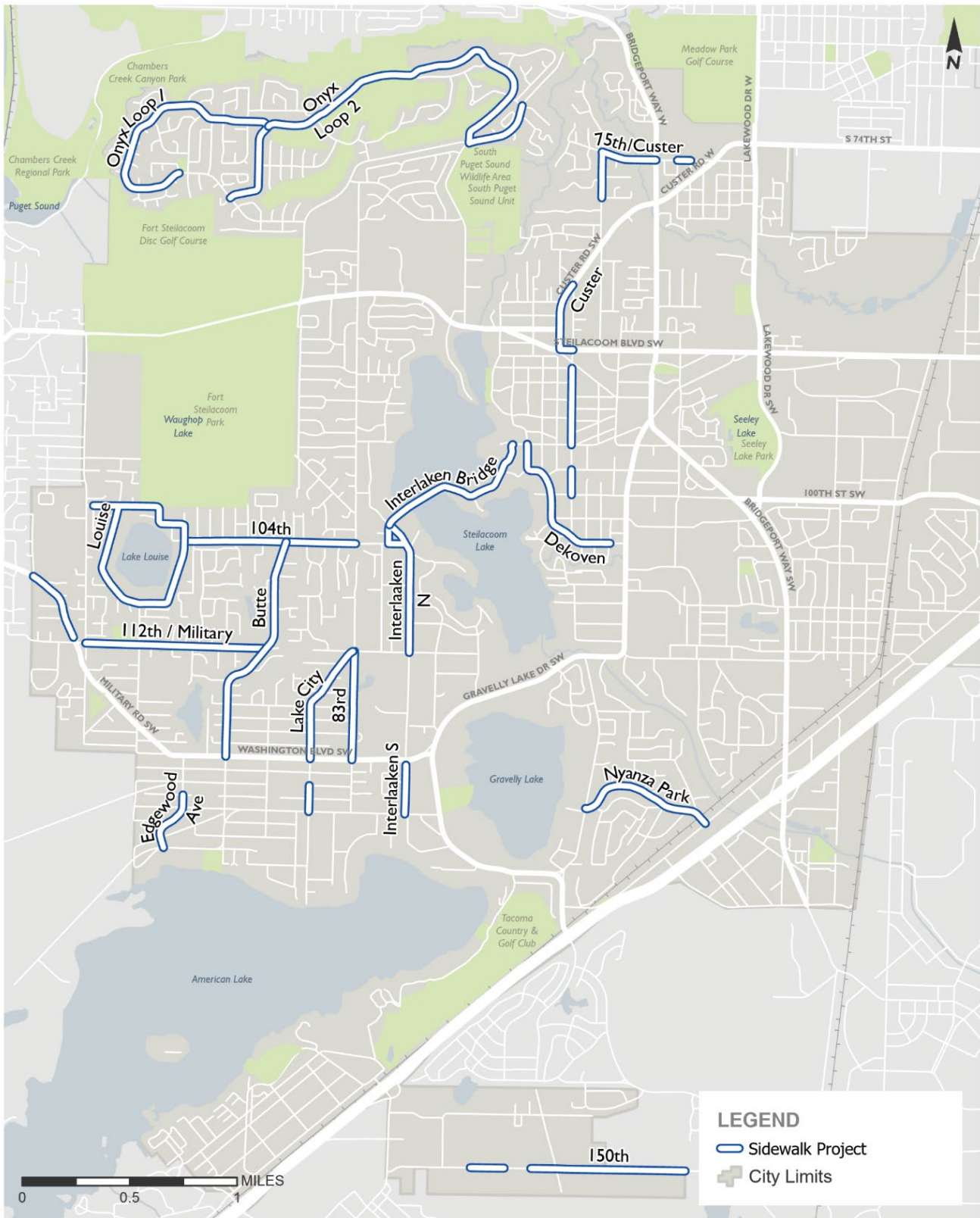
**Exhibit 12-7. Lakewood Arterials Allowing LOS F Thresholds.**



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



**Exhibit 12-8. Lakewood Pedestrian Project Locations.**



Sources: City of Lakewood, 2023.



## Transit

A challenging aspect of providing city Level of Service measures for transit is that while levels of transit service can affect the feasibility of growth and the ability for the city to keep pace with transportation demands, other agencies, specifically Pierce County Transit and Sound Transit, oversee the management of services. However, while the city is not in direct control of managing transit, there is a significant role for the city to play in supporting transit and highlighting areas where the city should coordinate with service providers.

The transit Level of Service standard for transit access in Lakewood includes measuring the capacity and use of transit stops in the city, and categorizing them as follows:

- **Adequate facilities.** Under the current system, this would represent functional transit stops in the network that can meet local and city-wide needs with current and planned service and include sufficient pedestrian and bicycling connections to link the stops with the surrounding area.
- **High priority.** This would include transit stops that are currently operating and require significant improvements to provide pedestrian and bicycling connections for access, as well as planned transit stops that would be required to support expected increases in density over the short term.
- **Moderate priority.** Other transit stops may be operating and serving the surrounding community, but identified improvements may be necessary by the city to improve transit use. In other cases, longer-term density increases may be planned in certain areas that would require an increase in transit services. While still a priority, these facilities would not be the most essential in addressing immediate concerns with the system.
- **No facilities.** Some parts of the city might not have convenient access to current or planned transit stops, which needs to be considered in this standard. In these instances, potential or existing developments might not generate necessary ridership, or the available rights-of-way could pose difficulties for transit facility accommodation. While these services might not be immediately accessible, the city should support initiatives by agencies like Pierce County Transit to offer micro-transit solutions and other alternative transit modes where feasible.

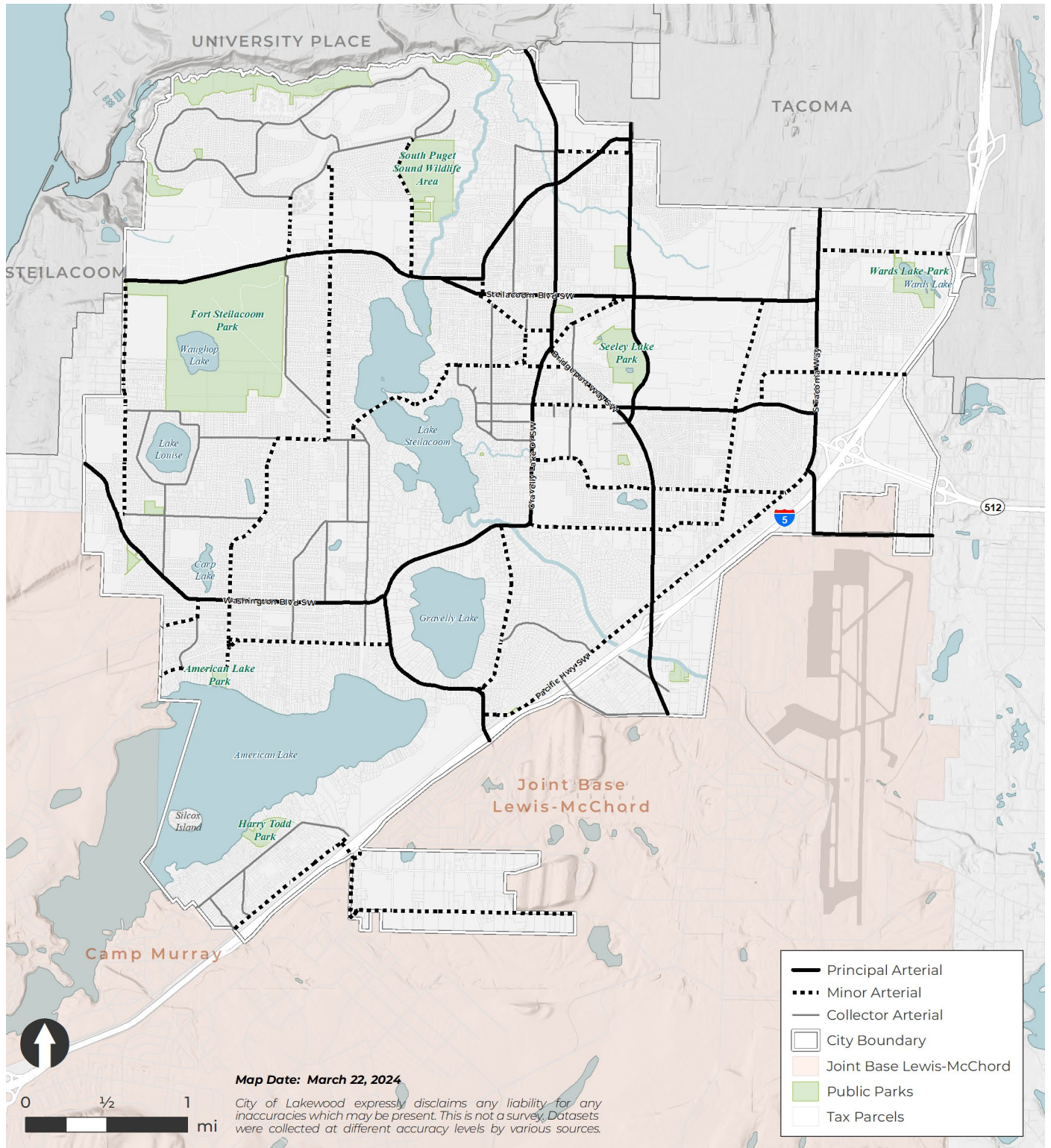
Future efforts to refine this Level of Service measure should work to include the expected number of residents and jobs accessible to frequent transit service in the city and should be coordinated with other measures of MMLOS as noted previously.

## Freight

In addition to maintaining road and transportation networks for passenger vehicles, it is essential to acknowledge the need for freight access in Lakewood. Industrial uses and warehousing require consistent access by truck traffic, which can often require balancing needs to improve safety in major trucking corridors. Additionally, the city also includes BNSF Railway and Sound Transit rail lines with rail access in the Lakewood Industrial Park managed by Tacoma Rail.

Major freight routes in Lakewood are outlined in Exhibit 12-9, based on the WSDOT 2021 Freight and Goods Transportation System (FGTS) report. The truck freight corridors are classified by the annual freight tonnage transported for each roadway segment:

**Exhibit 12-9. Lakewood Freight System.**



Sources: City of Lakewood, 2024; Pierce County GIS, 2024; WSDOT, 2024.

- **T1:** more than 10 million tons per year
- **T2:** 4 million to 10 million tons per year
- **T3:** 300,000 to 4 million tons per year
- **T4:** 100,000 to 300,000 tons per year
- **T5:** at least 20,000 tons in 60 days and less than 100,000 tons per year.

Note that the primary rail lines are considered to be “R-2” lines, responsible for transporting 1 to 5 million tons of freight per year.

Freight measures of LOS for truck traffic will rely on the LOS measures for streets as identified above along major freight routes.

## 12.2.4 Recent Trends

An audit of the city’s transportation system offers a detailed assessment of likely traffic patterns projected forward to 2044, evaluating how shifts in demographics and land use will impact transportation patterns and infrastructure needs.

Overall, the future focus of growth is expected to be in the Downtown/Central Business District and the Lakewood Station Subarea, which are anticipated to experience the most significant growth in terms of both housing and employment. Overall, growth projections from the audit also suggest that household and employment growth will occur in the rest of the city, but the concentration of this growth in specific urban centers will align with Lakewood’s strategic objectives to boost density in these areas and support a more sustainable urban development model that could reduce reliance on vehicular traffic and promote public and non-motorized transport.

It is expected under transportation modeling conducted that there will be significant changes in vehicle miles traveled (VMT) and travel patterns as a response to anticipated development. Under current growth assumptions without changes to the transportation system, there are several segments of that are expected to exceed LOS D:

- Pacific Highway SW (north of 108th St SW NB/EB)
- South Tacoma Way (north of 84th St SW SB/WB, north of 100th St SW NB/EB, south of SR-512 NB/EB)
- Steilacoom Blvd SW (west of Phillips Rd SW SB/WB, east of Phillips Rd SB/WB)
- Washington Blvd SW (west of Gravelly Lake Dr SW SB/WB)

These areas are expected to achieve LOS E without additional transportation improvements, with the segment of Steilacoom Blvd SW west of Phillips Rd SW SB/WB reaching LOS F.

Overall, historical traffic data analyzed from 2013 to 2022 also indicates a decline in traffic volumes on local streets, suggesting a shift in transportation preferences among Lakewood residents. This trend towards reduced vehicle usage, possibly accelerated by the adoption of remote work and digital services, suggests a potential for lower-than-anticipated future traffic growth rates. These findings reinforce the need for flexible, adaptive strategies in transportation planning to accommodate future shifts in travel behavior in Lakewood.

Employment within the city is suggested to be a continuing driver for traffic in the city. City employment has grown by an average of 2.2% per year since 2012, and meeting the CPP target of 39,735 jobs in the city by 2044 will necessitate an average growth in employment of about 1.8% per year over the next two decades. This employment growth will likely promote further urban development and densification, driving the need for robust transportation solutions that can support increased commuter flows without exacerbating congestion.

With respect to future transportation planning, the expected demographic and economic growth in key urban centers will need thoughtful, strategic planning to ensure that transportation infrastructure keeps pace with development. The focus on enhancing sustainable and efficient transportation options will be crucial in managing the environmental impact and improving the quality of life for Lakewood's residents.

## 12.3 Goals and Policies

### **/ TR-1 Provide a balanced, multimodal transportation system for the safe and efficient movement of people and goods.**

- TR-1.1 Plan, develop, and maintain transportation infrastructure to meet the needs of all users, including drivers, transit riders, bicyclists, and pedestrians of varying ages and abilities.
- TR-1.2 Minimize the negative impacts of transportation improvements on low-income, disadvantaged, and special needs groups, as well as youth and older adults.
- TR-1.3 Increase availability and accessibility of alternative transportation modes like walking, biking, carpooling, and public transit, focusing on those without personal vehicles or with mobility needs.

### **/ TR-2 Ensure Lakewood's transportation system is designed for comprehensive, integrated, and safe access for all users of all ages, abilities, and transportation modes, including pedestrians, bicyclists, motorists, transit riders and operators, and truck operators.**

- TR-2.1 Classify all streets according to the following classification for policy and planning:
- Principal arterials;
  - Minor arterials;
  - Collector arterials; and
  - Local access roads.
- TR-2.2 Maintain the Lakewood Engineering Design Standards to provide standards for each roadway classification to guide implementation and attain the Complete Streets Objective.
- TR-2.3 Permit flexibility in adhering to the Lakewood Engineering Design Standards by considering context and user needs, ensuring alignment with relevant goals and policies.
- TR-2.4 Apply the functional classification system and transportation design standards to direct the development of new and upgraded transportation infrastructure.
- TR-2.5 Ensure transportation facilities are designed to harmonize with adjacent built and natural environments.
- TR-2.6 Implement and uphold a street light placement policy for new and redeveloped areas, focusing on pedestrian-friendly lighting in specified zones.
- TR-2.7 Develop an Americans with Disabilities Act (ADA) Transition Plan to identify and remove barriers to access for individuals with disabilities.

**/ TR-3 Enhance transportation connectivity while minimizing impacts to residential and mixed-use areas.**

- TR-3.1 Plan for street connections through undeveloped parcels to ensure integration with future development.
- TR-3.2 Connect public streets to improve multimodal connections and reduce impacts elsewhere in the transportation network.
- TR-3.3 Require that new developments include access to adjacent undeveloped land to facilitate future connectivity where feasible.
- TR-3.4 Provide for pedestrian and bicycle pathways in areas where terrain, right-of-way limitations, or other constraints prevent street connections.

**/ TR-4 Use standard criteria to monitor LOS for multimodal transportation.**

- TR-4.1 Use the latest Highway Capacity Manual's LOS criteria to assess road performance.
- TR-4.2 Set LOS and volume-to-capacity (V/C) ratio thresholds for arterials and intersections to maintain transportation concurrency.
- TR-4.3 Maintain multimodal LOS and concurrency standards for transit, pedestrian, and bicycle facilities.
- TR-4.4 Work with neighboring jurisdictions to provide consistent LOS standards for shared roadways.
- TR-4.5 Coordinate arterial operations and enhancements to meet transit LOS standards set by local and regional transit authorities.
- TR-4.6 Incorporate multimodal mitigation strategies in development reviews to address LOS impacts.
- TR-4.7 Allow deviations from LOS standards at two-way and one-way stop-controlled intersections after thorough operational and safety evaluations.
- TR-4.8 Align land use policies with street and network LOS standards, incorporating traffic management approaches and promoting development in areas meeting LOS criteria.

**/ TR-5 Ensure safe and accessible connections to properties.**

- TR-5.1 Restrict street access as needed to ensure the safe and efficient operation of the existing system while allowing reasonable regular access.
- TR-5.2 Limit direct arterial access when alternative routes are available.
- TR-5.3 Provide full access to properties along local residential streets unless sufficient alley access is present.



- TR-5.4 Discourage the abandonment of full-length alleys.
  - TR-5.5 Collaborate with neighboring jurisdictions to standardize access restrictions to arterials and highways of regional importance.
  - TR-5.6 Facilitate efficient access for emergency responders to public and private properties.
- / TR-6 Manage traffic to minimize its effects on neighborhoods, residents, visitors, and businesses.**
- TR-6.1 Decrease dependence on automobiles in neighborhoods and Downtown while accommodating their use.
  - TR-6.2 Maintain smooth traffic flow and pedestrian safety on arterials and major transport routes through operational changes such as optimal timing and synchronization of traffic signals.
  - TR-6.3 Conduct an analysis of existing conditions prior to any street reclassifications to substantiate the rationale for the change.
  - TR-6.4 Limit the change of residential streets to collector or arterial classifications, except in cases of significant community-wide need.
  - TR-6.5 Reduce the effects of freight traffic on residential areas and other sensitive land uses.
  - TR-6.6 Reduce the visual and noise impacts of roadways on neighboring properties and users.
- / TR-7 Protect the city's investment in current and future through sustainable maintenance and preservation.**
- TR-7.1 Coordinate street preservation and maintenance tasks to reduce life-cycle costs.
  - TR-7.2 Construct and maintain sidewalks to provide continuous and safe connections.
  - TR-7.3 Align significant utility projects with roadway maintenance and preservation scheduling to lessen neighborhood disruption and costs.
  - TR-7.4 Secure sustainable funding sources for the preservation and maintenance of the transportation system.
- / TR-8 Reduce traffic to meet state, regional, and city environmental and sustainability goals.**
- TR-8.1 Decrease reliance on single-occupant vehicles for regular travel.
  - TR-8.2 Reduce the work-related SOV trip mode share for the Lakewood Regional Growth Center (Downtown) to 65% by 2044.
  - TR-8.3 Require Transportation Demand Management improvements serving pedestrians, bicyclists, and transit riders as impact mitigation for new development.

- TR-8.4 Implement comprehensive commute trip reduction strategies in collaboration with local businesses, transit agencies, and other entities to decrease traffic.
- TR-8.5 Promote local commute trip reduction and TDM programs through targeted public awareness and education, especially for specific groups like teenagers and college students.
- TR-8.6 Provide High-Occupancy Vehicle (HOV) focused improvements on arterials to link high-density employment areas with transit hubs, BRT, and commuter rail stations.
- TR-8.7 Expand park-and-ride facilities for commuter rail and other transit in partnership with Pierce County Transit, Sound Transit, and other potential parking providers.
- TR-8.8 Minimize the impacts of transportation infrastructure on the environment and climate
- TR-8.9 Enhance the energy efficiency and overall performance of the transportation system.

**/ TR-9 Enhance safe, convenient, and inviting routes for active transportation such as walking and cycling to promote accessibility and healthy living.**

- TR-9.1 Implement projects from the city's Non-Motorized Transportation Plan to link high-density areas with key destinations such as workplaces, schools, parks, and shopping centers.
- TR-9.2 Improve bicycle and pedestrian connections for greater connectivity.
- TR-9.3 Provide safe midblock crossings for pedestrians where possible.
- TR-9.4 Require non-motorized transportation improvements such as bicycle parking/lockers and streetscape upgrades as part of new development.
- TR-9.5 Coordinate with transit providers to encourage multimodal “first mile/last mile” connections with supporting improvements like bike racks and lockers.
- TR-9.6 Collaborate with neighboring jurisdictions to maintain consistent bike and pedestrian corridor planning and standards.
- TR-9.7 Prioritize traffic safety improvements at locations with high accident rates.

**/ TR-10 Ensure parking supplies meet local demand while promoting alternative modes of transportation.**

- TR-10.1 Establish flexible parking regulations to balance the need for adequate parking with objectives to decrease traffic.
- TR-10.2 Integrate TDM considerations in parking regulations and planning.
- TR-10.3 Permit the use of shared parking for different activities that have varying peak parking needs.
- TR-10.4 Consider transit service availability when setting parking standards.

TR-10.5 Implement parking lot design guidelines that minimize aesthetic, environmental, and public safety impacts.

**/ TR-11 Promote a walkable, pedestrian-friendly Downtown.**

TR-11.1 Implement transportation-related components of the Downtown Subarea Plan.

TR-11.2 Consider maximum parking requirements in high-density areas well-served by high-capacity transit (HCT) to encourage alternative transportation modes.

TR-11.3 Create a pleasant and safe walking and biking environment by regulating the placement of on- and off-site parking and managing streetscape design.

TR-11.4 Encourage structure or underground parking to reduce surface parking footprints.

TR-11.5 Encourage joint and shared parking solutions, particularly for mixed-use developments in Downtown.

TR-11.6 Integrate regional transportation standards into the planning of centers and areas around HCT stations.

**/ TR-12 Align freight transportation planning by road and rail with industrial, commercial, and other land uses.**

TR-12.1 Ensure clear signage for truck routes, especially in key areas of the city.

TR-12.2 Assess potential freight movement requirements in the SEPA review process for new developments.

TR-12.3 Consider freight access needs in commercial and industrial development standards where relevant.

TR-12.4 Identify and address potential conflicts between freight route users with solutions such as separating at-grade rail lines from arterials.

TR-12.5 Advocate for the continued use of existing rail lines to serve the transportation needs of Lakewood businesses and Joint Base Lewis-McChord.

TR-12.6 Discourage increased freight rail traffic beyond current levels of activity without sufficient mitigation of impacts.

**/ TR-13 Maintain consistency with state, regional, and local transportation plans and projects.**

TR-13.1 Coordinate with state and county authorities, neighboring jurisdictions, and transit providers to align transportation improvements, land use plans, and decision-making processes.

TR-13.2 Ensure transportation planning in Lakewood is consistent with the PSRC Regional Growth Strategy and Regional Transportation Plan.

- TR-13.3 Prioritize funding for transportation infrastructure and capital facilities investments in:
- The city's designated Regional Growth Center,
  - Adopted subarea boundaries,
  - Areas where historically disadvantaged populations have been disproportionately impacted, and
  - Designated Centers of Municipal Importance.
- TR-13.4 Engage in regional transportation planning efforts to develop and refine long-range strategies.
- TR-13.5 Regularly review the street classification system with adjacent jurisdictions to ensure consistency.
- TR-13.6 Support improvements to I-5 that promote safe connections between the highway and local communities.

**/ TR-14 Improve the transportation system through collaborative efforts with other agencies and organizations.**

- TR-14.1 Engage transportation agencies early in development proposal reviews to identify transit-oriented design and amenity opportunities.
- TR-14.2 Advocate for and assist in the integration of regional and HCT systems with local transit services.
- TR-14.3 Partner with transit agencies to support ride matching, vanpooling, micro-transit, paratransit, and other HOV transportation.
- TR-14.4 Work with transit agencies to address requirements from new transit routes and frequencies, especially in residential areas and high-traffic corridors.
- TR-14.5 Work with WSDOT to accommodate HOV lanes on I-5 and SR 512 to meet the needs of the city and regional transit.
- TR-14.6 Pursue joint state and federal transportation grant applications with other jurisdictions on projects with mutual benefits.
- TR-14.7 Investigate the potential for local shuttle, micro-transit, and paratransit services in high-density areas with significant ridership prospects.

# 13 Urban Design

## 13.1 Introduction

This element describes the community's vision for the development of Lakewood's physical environment. It presents a framework of priority roads, gateways, open space connections, and focus areas. Urban design is especially important in multi-family residential areas to create satisfying and aesthetic places for residents. Urban design is particularly important in commercial areas to create vibrant and interesting places for people to shop, dine, and meet. Industrial areas require less extensive urban amenities, but urban design is still important to create economically viable and attractive industrial sites.

With incorporation, Lakewood inherited an established system of transportation and open space networks. With improvement, these networks can help fulfill the citizens' desire for a better regional image, more attractive gateways into the city, better pedestrian and bicycle accommodations, and better access to natural and recreation areas.

## 13.2 Background

Since incorporation, Lakewood's citizens have strongly expressed the need for the community to take control of its image, to grow into a recognizable city with a strong civic center, and to eliminate the negative aspects of its past.

This element begins the process of fulfilling a community vision of Lakewood as a fully evolved city that combines a defined sense of place and a collective unity of spirit as evidenced by an appealing, functional environment. Five major urban design building blocks are defined in this element to work toward this goal:

- Urban design needs related to specific land-use categories;
- The relationship of urban design to transportation planning and street classifications;
- A physical framework plan that identifies key elements that define the city's physical structure in terms of its open space network, civic boulevards, and major gateways;
- Urban design strategies for specific focus areas and specific actions for implementation; and
- Overall urban planning goals and policies to guide development of Lakewood's physical environment.

There are limitations as to how urban design can be addressed at the comprehensive planning level. For this reason, this element recommends the preparation and implementation of subarea plans to address priority areas at a scale allowing for the necessary attention to detail. Three subarea plans have been

adopted as of 2024: Downtown, Station District, and Tillicum-Woodbrook. The Comprehensive Plan identifies Springbrook and the International District as areas for future corridor or subarea plans.

Pending the adoption of future subarea plans in other parts of Lakewood, adherence to the citywide goals and policies will assist in carrying out some of the city's most pressing development priorities, including recognizing and supporting the city's International District and preserving and creating affordable housing for current and future residents.



## 13.3 Goals and Policies

### **/ UD-1 Support a strong sense of community in neighborhood business districts with distinct urban identities, higher intensities of uses, and local amenities.**

- UD-1.1 Establish development standards and design guidelines for districts that support high-quality urban design.
- UD-1.2 Support a diverse mix of local activities in neighborhood business districts.
- UD-1.3 Facilitate placemaking and public art initiatives with community-based organizations.
- UD-1.4 Incorporate pedestrian-oriented site design measures and amenities to promote non-motorized linkages between mixed use districts and the existing open space network.
- UD-1.5 Encourage human-scale development of office and housing uses above retail in mixed-use areas and neighborhood business districts.
- UD-1.6 Develop pedestrian linkages between neighborhood business districts, parks, open spaces, and adjoining neighborhoods.
- UD-1.7 Improve public safety through design guidelines.

### **/ UD-2 Establish a system of gateways and urban corridors to provide identity to the city, foster appropriate commercial uses, and enhance the aesthetic character of the city.**

- UD-2.1 Provide appropriate design improvements to treat the following streets as urban corridors:
  - The full length of Bridgeport Way;
  - Gravelly Lake Drive from Nyanza Road to Steilacoom Boulevard;
  - 100th Street from Gravelly Lake Drive to S. Tacoma Way;
  - S. Tacoma Way and Pacific Highway Southwest from the Tacoma City limits to Ponders Corner;
  - 112th Street from Nyanza Road to Bridgeport Way;
  - N. Thorne Lane from I-5 to Portland Street;
  - W. Thorne Lane between Portland Street and Union Avenue;
  - Portland Street between N. Thorne Lane and W. Thorne Lane;
  - Union Avenue from Berkeley Avenue to Spruce Street; and
  - Spruce Street from Union Avenue to Portland Avenue.
- UD-2.2 Provide appropriate design improvements to treat the following intersections as major gateways:
  - South Tacoma Way at Tacoma City limits;
  - 84th Street at I-5;
  - SR 512/I-5 at South Tacoma Way;
  - Bridgeport Way at South Tacoma Way/I-5;

- Nyanza Boulevard at I-5;
- N. Thorne Lane at I-5;
- Steilacoom Boulevard at city limits;
- Berkeley Avenue SW at I-5;
- Bridgeport Way at University Place city limits;
- Bridgeport Way at Gravelly Lake Drive;
- 100th Street at Gravelly Lake Drive; and
- 100th Street at Bridgeport Way.

UD-2.3 Implement additional gateway enhancement for Tillicum, Springbrook, and Woodbrook.

**/ UD-3 Design streetscapes, nonmotorized pathways, and other rights-of-way as amenities and important public places.**

UD-3.1 Provide attractive streetscapes and associated amenities, such as sidewalks, landscaping, benches, and lighting

UD-3.2 Adopt NACTO Urban Street and Urban Bikeway design guides as guidelines.

UD-3.3 Establish thresholds for public right-of-way improvements to be conducted as part of development projects.

UD-3.4 Require sidewalks on both sides of all new streets.

UD-3.5 Design intersections to safely accommodate both pedestrian and vehicular traffic.

UD-3.6 Develop and apply traffic-calming strategies to improve safety.

UD-3.7 Work with transit providers to incorporate transit stops and facilities into streetscape planning.

UD-3.8 Include curb ramps for sidewalks at all intersections to assist wheelchairs, strollers, and cyclists to meet ADA requirements.

**/ UD-4 Recognize and support historically significant sites and buildings.**

UD-4.1 Keep an updated inventory of historic resources and maintain a process to guide the preservation of important properties and buildings.

UD-4.2 Provide monuments, plaques, and design motifs to recognize or commemorate historic structures and uses in the city.

**/ UD-5 Manage noise pollution to minimize nuisance and encourage a quality urban environment.**

UD-5.1 Coordinate development regulations and noise attenuation programs to protect neighborhoods from excessive noise.

- UD-5.2 Partner with JBLM to reduce noise impact from McChord Field and develop noise attenuation strategies for air corridors in the city.
- UD-5.3 Require noise attenuation in the design and materials of new developments along arterial streets, I-5, SR 512, and within air corridors to lessen impacts from roadway and aircraft noise.
- UD-5.4 Collaborate with WSDOT to address freeway and highway noise concerns, balancing noise reduction with aesthetic considerations.
- UD-5.5 Work with WSDOT Rail Division, Sound Transit, Tacoma Rail, and Burlington Northern and Santa Fe to mitigate railroad noise, considering both noise reduction and aesthetics.
- UD-5.6 Integrate natural vegetation and design elements in noise mitigation and attenuation projects to enhance effectiveness and visual appeal.

**/ UD-6 Ensure smooth transitions of land uses in scale and intensity between abutting neighborhoods and other uses.**

- UD-6.1 Use buffers, landscaping, and building design and placement to ease the transition of scale and intensity between abutting residential uses of different densities and other uses.
- UD-6.2 Work with WSDOT to identify solutions to buffering the visual and acoustic impacts of I-5 and the railroad on sensitive neighborhoods.

**/ UD-7 Preserve scenic views as contributors to Lakewood's quality of life.**

- UD-7.1 Identify and protect sensitive views, view corridors, and/or visual resources.
- UD-7.2 Protect views of Mt. Rainier, the lakes, wetlands and creeks, Ft. Steilacoom, Flett Wetlands, and historic landmarks.

# 14 Utilities

## 14.1 Introduction

Consistent with relevant CPPs and RCW [36.70A.070\(4\)](#), utilities include, but are not limited to: sanitary sewer systems, water lines, fire suppression, electrical lines, telecommunication lines, and natural gas lines.

Utilities addressed in this element include stormwater, sanitary sewer, water, electricity, communications, solid waste, and natural gas. The purpose of this element is to ensure that:

- Adequate utilities are available,
- Equitable LOS for services are provided across the city;
- Public health and safety are guaranteed;
- Efficiencies and economies of scale are utilized, and
- Coordination is successfully achieved with regional and independent utility providers.

## 14.2 Background

As discussed in the Capital Facilities and Essential Public Facilities Element, Lakewood does not own or operate the city’s sewer, water, power, refuse/solid waste, hazardous waste, or telecommunication utilities. Rather, the city has intergovernmental or interagency agreements with the following entities to provide urban services:

**Exhibit 14-1. Major Utility Providers in Lakewood.**

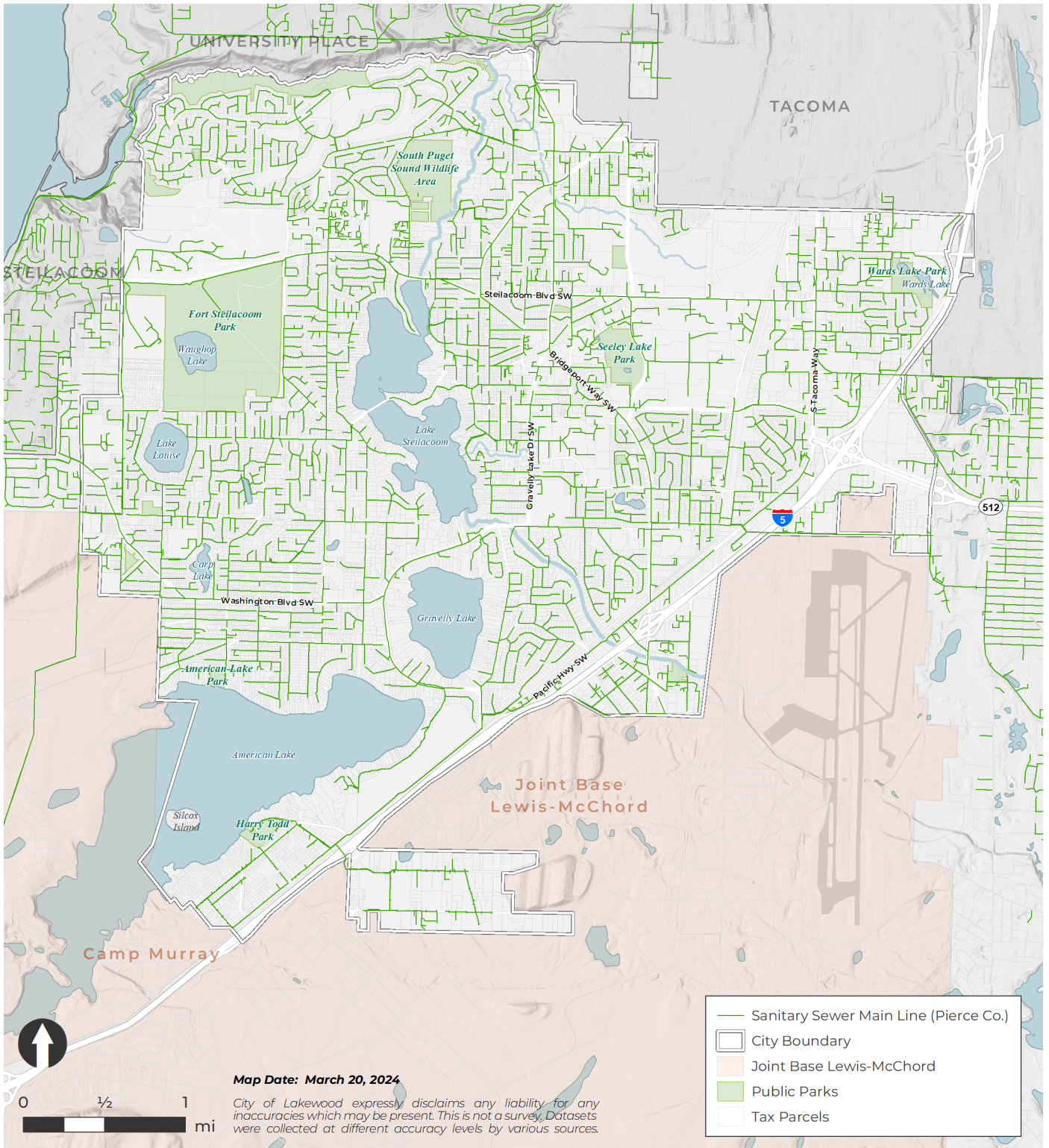
Service / Utility	Agency
Sewer	Pierce County Public Works
Water	Lakewood Water District, Parkland Water District
Electricity	Tacoma Power, Puget Sound Energy, Lakeview Power
Natural Gas	Puget Sound Energy
Telecommunications	Private communications companies
Refuse/Solid Waste	Waste Connections

Background data used in the development of this element’s goals and policies and specific capital programs to implement them are included in the 2000/2004/2015/2024 Background Report. Analysis demonstrating the ability of each utility system to meet the demands of growth projected by this plan are discussed in Section 3.11 of the 2024 Comprehensive Plan Supplemental EIS.

Major services provided include the following:

- **Sanitary Sewer.** Sewer service in the City of Lakewood is almost entirely provided by Pierce County Public Works and Utilities. Major sewer lines for the system are shown in Exhibit 14-2. This service was most recently expanded to serve the Tillicum and Woodbrook communities. Other providers include the Town of Steilacoom, which provides sewer service to Western State Hospital, and the City of Tacoma, who provides sewer service to the Flett subdivision, and to commercial and residential users located in northeast Lakewood.
- **Water.** The Lakewood Water District primarily provides water service to the City of Lakewood. Their system has expanded since it was established in 1943, to managing substantial infrastructure, including 31 active groundwater wells, 13 active tanks and reservoirs with 27 million gallons of capacity, and associated water treatment facilities as of 2023. Water sourced from these wells is exclusively groundwater, chlorinated before distribution, with no use of surface, desalinated, or recycled water. As of 2023, their retail service area encompassed 8.75 square miles and included 16,748 connections within the City of Lakewood, 866 connections in a small area of unincorporated Pierce County, 64 connections within the Town of Steilacoom, and 2 connections within the City of Tacoma for a total of 17,680 connections. They also provide wholesale water to the Town of Steilacoom and the Summit Water and Supply Company, as well as to other local water providers, for a total of 46,387 total connections.
- **Electricity.** Electricity providers in Lakewood include Lakeview Light & Power (LLP), Puget Sound Energy (PSE), and Tacoma Power. A map of the provider service areas is shown in Exhibit 14-3. Generally, Tacoma Power serves the northern sections of the city, Lakeview Light and Power serves the eastern sections, and Puget Sound Energy (PSE) serves the western portions of the city.
- **Natural Gas.** PSE is the exclusive natural gas provider for Lakewood. Natural gas is sourced from the Rocky Mountains and Canada, transported to PSE via interstate pipelines managed by Williams Northwest Pipeline, and then distributed through supply mains. Gas pressure is reduced at district regulators, providing this to distribution mains and service lines for residential, commercial, and industrial customers. The Operations Planning Department of PSE monitors development permits and land-use applications to plan for future natural gas facility needs.
- **Telecommunications.** Telecommunications, including phone and internet services, are delivered by a range of private providers in the city. Note that the Click! Network provided through Tacoma Public Utilities was transitioned to private ownership in 2020, leaving no publicly provided internet companies serving Lakewood.
- **Solid Waste.** In Pierce County, solid waste management is coordinated under the 2021 Tacoma-Pierce County Solid Waste Plan, which covers waste management and recycling activities. In Lakewood, solid waste and recycling are managed by Waste Connections, a private entity under city contract, which operates a significant transfer station on Steilacoom Boulevard.

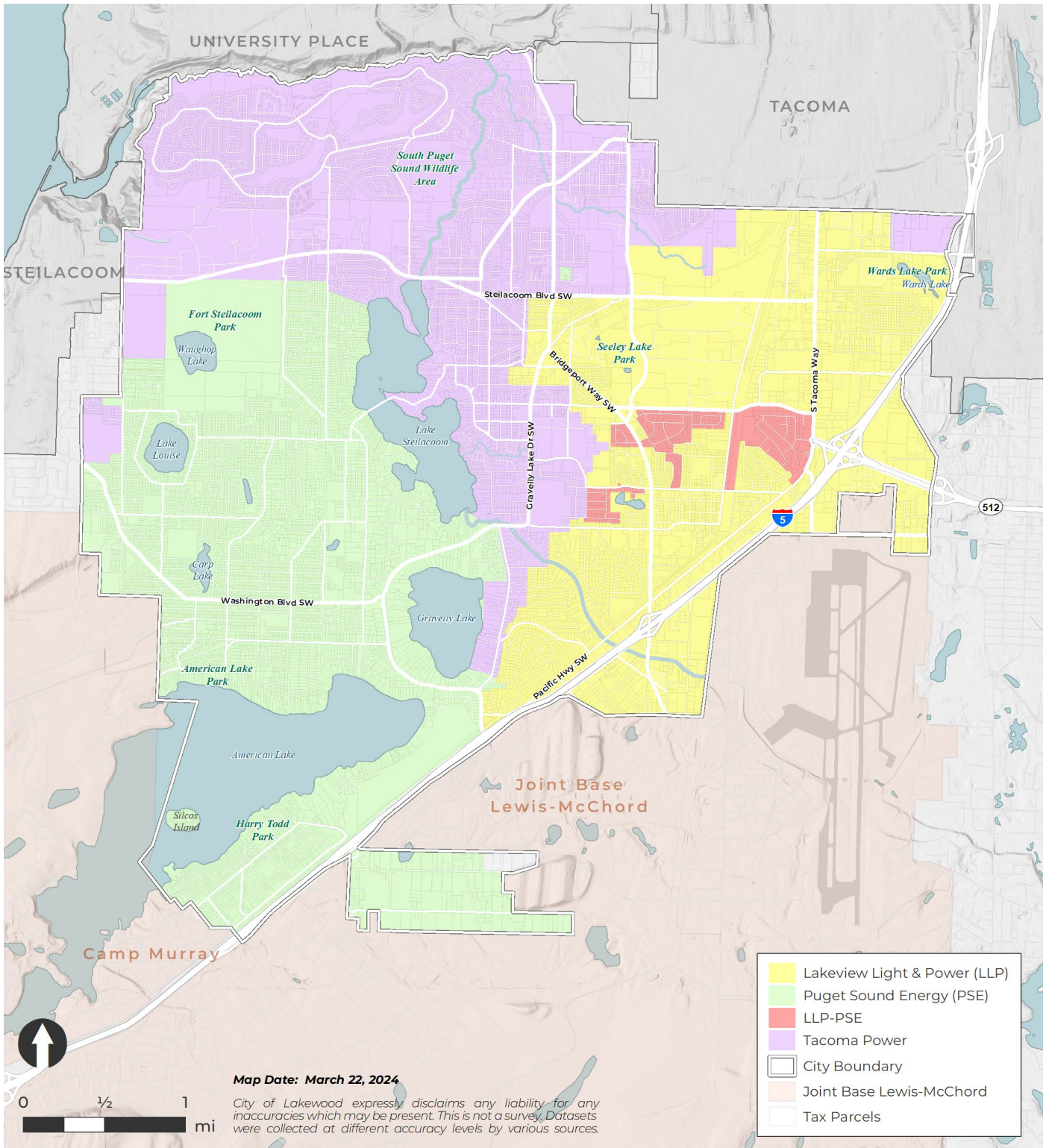
**Exhibit 14-2. Lakewood Major Sanitary Sewer Lines.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



**Exhibit 14-3. Lakewood Electricity Providers.**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## 14.3 Goals and Policies

### **/ UT-1 Maintain an inventory of the approximate location and capacity of both current and planned utility facilities.**

UT-1.1 Integrate utility corridor and facility data into the city's Geographic Information System (GIS), and ensure this information is regularly updated through consultations with private utility providers.

UT-1.2 Collaborate with utility providers and other partners to align the location of existing and future utility facilities with the broader objectives outlined in the Comprehensive Plan.

### **/ UT-2 Ensure public utilities are provided at levels of service that are adequate and in alignment with land use planning, environmental protection, and redevelopment needs.**

UT-2.1 Promote planning for utility services and facilities that are consistent with the growth and development strategies prescribed in the Comprehensive Plan.

UT-2.2 Partner with utility providers on conservation efforts.

UT-2.3 Encourage the siting, construction, operation, and decommissioning of utility systems to minimize adverse impacts on neighboring land uses.

UT-2.4 Condition development approval on the capacity of existing utility systems to support the development without decreasing LOS, unless a financial commitment is made to provide service within a specified time frame.

UT-2.5 Align the extension of utility services with anticipated growth and development patterns.

UT-2.6 Partner with service providers and other utilities using rights-of-way to schedule improvements strategically, in order to minimize community disruption and reduce improvement costs.

UT-2.7 Protect city rights-of-way and adjacent land uses from unnecessary impacts due to utility construction and maintenance.

### **/ UT-3 Provide efficient, cost-effective, and environmentally sound surface water and flood control solutions to maintain public safety, protect land uses, and maintain surface and groundwater quality.**

UT-3.1 Ensure the proper provision and maintenance of adequate storm and flood control facilities to manage surface flooding and comply with the National Pollutant Discharge Elimination System (NPDES) standards.

UT-3.2 Maintain a state-approved Comprehensive Storm Water Management Program that meets or exceeds the standards of the National Pollutant Discharge Elimination System (NPDES).

- UT-3.3 Maintain the integrity of habitats as part of flood-control improvements.
- UT-3.4 Minimize increased impervious surface through design standards and public works policies.
- UT-3.5 Plan land acquisitions to address future needs for stormwater storage based on expected growth.
- UT-3.6 Participate in ongoing land management studies and water quality monitoring programs to manage pollutants.
- UT-3.7 Provide water quality education to the community in cooperation with the Pierce County Conservation District Stream Team Program.

**/ UT-4 Ensure the costs for storm drain and flood-control systems are equitably shared by those who benefit from and contribute to them.**

- UT-4.1 Require that new developments include on-site stormwater treatment facilities that comply with the city's stormwater management and site development standards, constructed concurrently with the development.
- UT-4.2 Require developers to bear the costs of necessary improvements to existing storm drain and flood control facilities, either through construction or fee payments.
- UT-4.3 Use benefit assessment and community facilities districts to distribute costs of specific local storm drain and flood-control improvements fairly between all beneficiaries.
- UT-4.4 Pursue funding opportunities to address roadway flooding in areas with insufficient storm drainage.
- UT-4.5 Support regular maintenance to storm drain and flood control facilities to ensure the capacity and function of the system is sustained.

**/ UT-5 Coordinate efficient, economical, and ecologically sustainable sewage management to safeguard public health, preserve groundwater quality, and protect habitat.**

- UT-5.1 Coordinate with Pierce County to ensure that sewer connection fees and monthly charges are sufficient to support the maintenance of existing facilities, and contribute to the operation, maintenance, repair, and replacement of these facilities.
- UT-5.2 Support Pierce County in assessing and meeting increased demand through the enhancement of existing facilities and/or the development of new collection and treatment infrastructure.

**/ UT-6 Support a complete citywide sewer system and facilitate new growth by addressing service deficits and new demand.**

- UT-6.1 Prioritize sewer extension projects areas expecting density increases or land use changes under the Comprehensive Plan.
- UT-6.2 Enforce mandatory sewer connections citywide.
- UT-6.3 Work with Pierce County, the City of Tacoma, and other jurisdictions to identify properties close to and within the UGA where sewer services are not provided, and coordinate with the appropriate agency to connect these properties to sewers.
- UT-6.4 Pursue external funding sources to extend major sewer lines, including grant funding and private development funding.
- UT-6.5 Require the construction of dryline sewers in roadways for developments beyond current sewer service areas, with mandatory covenants requiring future connection as a condition of approval for development.
- UT-6.6 Allow continued use of individual or community septic systems under suitable soil conditions until sewer connections become available.
- UT-6.7 Ensure that public sewage treatment and collection systems are installed and available for use concurrent with new development. Ensure the availability of public sewage treatment and collection systems concurrent with new developments.

**/ UT-7 Ensure Lakewood has a safe and sufficient water supply with adequate storage and distribution facilities to meet future demand.**

- UT-7.1 Maintain water supply and infrastructure levels to meet new growth demands, ensuring acceptable water pressure for fire flows and daily use.
- UT-7.2 Work with partners such as private water providers and governmental agencies to align new development approvals with existing water service capabilities.
- UT-7.3 Enhance water supply and fire flow capacity by coordinating interties with neighboring water purveyors.
- UT-7.4 Collaborate with other jurisdictions on long-term aquifer management.
- UT-7.5 Minimize water consumption through techniques such as site design, requirements for water-saving features in new construction, and promotion of water conservation practices.
- UT-7.6 Work with private water purveyors and the City of Tacoma to ensure new developments are responsible for the funding of capital investments to meet their service needs.

**/ UT-8 Ensure that the city has a reliable, reasonably priced electrical supply that meets the demands of both existing and future land uses, maintains safety, and effectively integrates supporting infrastructure into the city.**

- UT-8.1 Require that new developments demonstrate access to adequate electrical servicing.
- UT-8.2 Work with Puget Sound Energy to align their Energy Electrical Facilities Plan with city policy and use this plan as a guide for managing utility corridors and electrical facilities.
- UT-8.3 Preserve appropriate locations for power lines and electrical utility corridors and prohibit incompatible land uses that would be impacted by these facilities.
- UT-8.4 Coordinate the siting of electrical facilities and regulate development to protect from potential public health and welfare impacts.
- UT-8.5 Work with local energy providers to plan for future electrical infrastructure and ensure that existing facilities meet future developmental needs, manage aesthetic and health impacts, and are integrated into the community.

**/ UT-9 Coordinate the installation of underground utilities with urban development initiatives, including new constructions, redevelopments, and significant street upgrades, to optimize aesthetic and functional cityscape improvements.**

- UT-9.1 Coordinate the undergrounding of utilities with major street renovation projects to streamline construction efforts and minimize disruption.
- UT-9.2 Pursue funding to support undergrounding utilities in tandem with financing for road improvements to increase efficiency and project feasibility.
- UT-9.3 Require underground utility lines for all new developments, subdivisions, and major renovations where feasible.
- UT-9.4 Work with utility companies to develop strategic plans for the undergrounding of utilities, especially in visually significant areas such as Downtown and the I-5 Corridor.

**/ UT-10 Use screening and landscaping around major utility structures to balance aesthetic concerns with operational integrity and environmental considerations.**

- UT-10.1 Collaborate with utility providers to develop comprehensive right-of-way vegetation plans.
- UT-10.2 Require utility facilities to be reasonably and appropriately sited and screened to mitigate aesthetic impacts.
- UT-10.3 Support innovative approaches to fund improvements to address environmental and aesthetic impacts of utility infrastructure.



**/ UT-11 Promote state-of-the-art local telecommunications systems to enhance connectivity, support economic growth, and improve public information access.**

- UT-11.1 Align development regulations with public service obligations mandated for private utilities by federal and state laws.
- UT-11.2 Streamline the permit process for private utility facilities considering franchise agreements, development regulations, the Lakewood Comprehensive Plan, and existing codes.
- UT-11.3 Encourage and support telecommunications and cable companies expanding fiber optic networks and increasing network interconnectivity.
- UT-11.4 Collaborate with utility companies and public institutions, such as schools and colleges, to advance comprehensive community information services and promote local advancements to improve educational and business opportunities for residents.
- UT-11.5 Advocate for smaller, less intrusive telecommunications facilities that can integrate seamlessly into the existing environment.
- UT-11.6 Ensure the resilience of communications infrastructure during emergencies and disasters.
- UT-11.7 Regulate the siting, screening, and design of wireless, cellular, and antenna installations, ensuring these structures are reviewed fairly and predictably and consider federal and state requirements while minimizing visual and land use impacts.

**/ UT-12 Support an integrated, efficient, and environmentally sustainable solid waste management system that includes reduction, recycling, and disposal.**

- UT-12.1 Maintain comprehensive recycling and composting programs for both residential and commercial sectors, designed to maximize convenience and efficiency while diverting a wide array of materials from landfills.
- UT-12.2 Promote public and private recycling initiatives and supporting organizations.
- UT-12.3 Cooperate with government agencies, businesses, and institutions to plan and implement solid waste management strategies.
- UT-12.4 Maintain a residential hazardous waste program that ensures safe collection, recycling, and disposal of hazardous materials, emphasizing convenience and environmental safety.

**/ UT-13 Ensure a reliable and safe supply of natural gas that is coordinated with city planning and meets expected needs for the future.**

- UT-13.1 Work with providers to ensure that current and planned natural gas facilities can meet the expanded demands of existing and new development.
- UT-13.2 Ensure that natural gas facilities are designed and situated to integrate with surrounding land uses.



- UT-13.3 Protect gas line utility corridors from encroachment by incompatible uses and activities.
- UT-13.4 Consider the effects of climate change policy and changes in the consumption of different types of energy on the management of natural gas facilities in the city.

# 15 Implementation

## 15.1 Introduction

The adoption of a Comprehensive Plan does not complete the land-use planning process. Planning is an ongoing process, and the Comprehensive Plan is a living document that must respond to changing laws, changing local circumstances, and evolving community values. The success of Lakewood's comprehensive planning effort will be measured in the end by the degree to which the Plan is implemented; to ensure successful implementation, mechanisms must be in place to provide for ongoing administration, monitoring, and amendments.

This element differs in format from other Comprehensive Plan elements because it establishes specific mechanisms for responding to implementation needs. The purpose of the implementation approaches contained in this chapter is three-fold:

- Ensuring effective, fair, and impartial administration and enforcement of the Comprehensive Plan and its implementing ordinances and programs;
- Ensuring the Comprehensive Plan continues to reflect the needs and desires of the Lakewood community; and
- Ensuring the Comprehensive Plan is regularly reviewed and amended consistent with state law.

## 15.2 Purpose and Use of the Comprehensive Plan

The Comprehensive Plan provides a guide and general framework for development in Lakewood that reflects community desires. The goals and policies contained in the Plan will encourage and inform public and private investments in development but, by themselves, will not ensure that Lakewood becomes the community it wants to be. The City of Lakewood will use the Plan to help focus, design, and interpret needed ordinances, incentives, regulations, policies, and programs adopted to implement it.

The Comprehensive Plan will not be relied upon in reviewing applications for specific development projects, except when reference to the Comprehensive Plan is expressly required by an applicable development regulation.

## 15.3 Goals and Policies

### 15.3.1 Consistency

#### **/ IM-1 Ensure that the Lakewood Comprehensive Plan complies with state, regional, and county requirements.**

- IM-1.1 Ensure the Comprehensive Plan is consistent with the provisions of the GMA.
- IM-1.2 Ensure consistency of the Comprehensive Plan with the PSRC MPPs and Pierce County CPPs.
- IM-1.3 Maintain clear documentation and references with regards to how the Comprehensive Plan integrates and fulfills these requirements.

#### **/ IM-2 Ensure consistency and coordination between the Lakewood Comprehensive Plan and the Comprehensive Plans of Pierce County, Steilacoom, Tacoma, and University Place.**

- IM-2.1 Consider aligning policies that apply to common areas or issues with neighboring communities.
- IM-2.2 Rely on consistent population projections, planning horizons, and other relevant data that are consistent with practices in Pierce County, Steilacoom, Tacoma, and University Place.
- IM-2.3 Circulate Plan updates and amendments to Pierce County, Steilacoom, Tacoma, University Place, and other jurisdictions as needed.

#### **/ IM-3 Ensure that the Lakewood Comprehensive Plan is an internally consistent document with clear steps for implementation.**

- IM-3.1 Develop an implementation strategy for the Comprehensive Plan that includes regulatory and non-regulatory measures needed.
- IM-3.2 Ensure the implementation strategy for the Comprehensive Plan considers necessary changes to the Lakewood Municipal Code.
- IM-3.3 Include a schedule for the adoption or amendment of the development regulations identified in the implementation strategy.
- IM-3.4 Ensure that the implementation strategy is a public document available for review.

## 15.3.2 Public Engagement

### **/ IM-5 Promote active engagement by residents and stakeholders in an open and transparent planning process, especially vulnerable populations and members of overburdened communities.**

- IM-5.1 Implement procedures for accessible public participation with the Comprehensive Plan and associated documents, including:
- Widespread distribution of proposals,
  - Opportunities for submitting written comments,
  - Public meetings with effective notice,
  - Ensuring environments for open discussion,
  - Maintaining communication programs,
  - Coordinating information services, and
  - Responding thoughtfully to public feedback.
- IM-5.2 Use diverse and accessible methods to communicate effectively with all members of the public throughout the planning process.
- IM-5.3 Strive for inclusive community engagement, drawing in groups previously underrepresented in planning discussions.
- IM-5.5 Demonstrate how public comments have been incorporated into the Comprehensive Plan and development regulation legislative actions.
- IM-5.5 Record all public meetings held for outreach for planning.
- IM-5.6 Clearly reference the sources of data used in the Comprehensive Plan and development regulations.

### **/ IM-6 Coordinate updates and amendments to the Comprehensive Plan based on a regular schedule.**

- IM-6.1 Revise the Lakewood Comprehensive Plans and development regulations for compliance with GMA requirements by December 31, 2024, with subsequent reviews conducted on or before June 30, 2034 and every 10 years thereafter.
- IM-6.2 Coordinate a five-year periodic review of the Comprehensive Plan by December 31, 2029, and provide the Department of Commerce a progress report detailing implementation conducted for the Comprehensive Plan to that date.
- IM-6.3 Update the Transportation Element of the Lakewood Comprehensive Plan and create a Climate Change and Resiliency Element as part of the initial implementation progress report due by December 31, 2029, pending availability of funding.
- IM-6.4 Limit amendments and revisions to the Comprehensive Plan to no more than once annually.

IM-6.5 Permit emergency amendments to the Comprehensive Plan more frequently than once per year when necessary to address immediate concerns vital to the community's health, safety, and welfare.

### **15.3.3 Tribal Coordination**

#### **/ IM-7 Foster collaborative and respectful coordination with federally recognized Indian Tribes whose reservations or ceded lands are within Pierce County.**

IM-7.1 Engage in good faith negotiations to develop a memorandum of agreement with any federally recognized Indian Tribe about collaboration and participation in the planning process upon receiving a Tribal resolution indicating their interests within Pierce County and intent for collaboration.

IM-7.2 Coordinate and collaborate on planning efforts with Tribes in areas of mutual interest, based on the guidelines and commitments established in the memorandum of agreement.

IM-7.3 Provide options for communication and engagement for Tribes which are not subject to a memorandum of agreement but have reservations or ceded lands in the city.

## 15.4 Implementation Strategies

While this Comprehensive Plan provides a complete set of policies for the City of Lakewood, the implementation of the Plan is implemented and executed through a range of different actions. This section outlines specific strategies that the city can employ to fulfill the goals and policies set out in each Element of the Plan.

For each action provided here as part of the strategies, the following information is provided:

- The other related Elements that could also be implemented through these actions;
- The expected lead departments/agencies and other potential partners involved with this work; and
- The expected timeline for this work, which in addition to periodic and regular actions, can include “short-term” actions intended over the 1–2 years after approval of the Plan, “moderate-term” actions intended to be completed before the five-year Plan review, and “long-term” actions intended to be completed five years or more from approval.

The following actions highlight how the Comprehensive Plan elements can be implemented but are not intended to be exhaustive. Ongoing policymaking, programming, and guidance are expected to be developed through the regular biennial budgets, individual plans and strategies by topic area, and ongoing planning by the City Council.

For the abbreviations below:

- CED = Department of Community and Economic Development
- PRCS = Department of Parks, Recreation, and Community Services
- PWE = Public Works Engineering



## 15.4.1 General

Actions	Related Elements	Lead/Partners	Timeline
GE-A Schedule and conduct regular updates and reviews of the Comprehensive Plan to comply with ongoing legal requirements and to address emerging community needs and priorities.	(all)	CED (Long Range Planning); Planning Commission	Regular/yearly
GE-B Maintain comprehensive and accessible public engagement procedures that encourage active participation from all community sectors, particularly vulnerable and traditionally underrepresented groups.	(all)	CED (Long Range Planning); City Manager; Lakewood's Promise Advisory Board; Youth Council	Short-term
GE-C Explore improved coordination with Tribal governments through memoranda of agreement.	(all)	CED (Long Range Planning); City Manager	Moderate-term
GE-D Develop a regular public reporting framework to identify and report progress on the implementation of Comprehensive Plan policies.	(all)	CED (Long Range Planning); Planning Commission	Short-term
GE-E Develop a methodology for a 5-year implementation status report as part of the Comprehensive Plan monitoring.	(all)	CED (Long Range Planning); Planning Commission	Moderate-term
GE-F Develop an annual legislative agenda and proactively engage with the county council, state legislature, and federal delegation to receive assistance in achieving city goals.	(all)	City Council; City Manager; all departments	Regular/yearly

## 15.4.2 Land Use

Actions	Related Elements	Lead/Partners	Timeline
LU-A Review zoning designations to confirm alignment with the revised Comprehensive Plan land use designations and the Land Use Designations Map (LUDM).	Housing; Capital Facilities and Essential Public Facilities	CED (Long Range Planning); Planning Commission	Regular/yearly
LU-B Regularly monitor development trends and buildable land capacity and update the City Council on necessary Comprehensive Plan amendments to help meet growth targets.	Implementation (Public Engagement)	CED (Long Range Planning), CED (Development Services); Planning Commission	Regular/yearly
LU-C Examine minimum density standards in selected areas such as the Downtown to maximize land use for housing and employment.	Housing	CED (Long Range Planning)	Moderate-term
LU-D Simplify the city code to improve usability for developers and streamline use.	Housing	CED (Long Range Planning), CED (Development Services); Planning Commission	Moderate-term

### 15.4.3 Capital Facilities and Essential Public Facilities

Actions	Related Elements	Lead/Partners	Timeline
CF-A Conduct periodic assessments to ensure all city services and utilities comply with the Comprehensive Plan and effectively meet community needs.	Public Services; Utilities	PWE	Regular/yearly
CF-B Regularly review the need for demand management strategies and conservation measures to address increases in service demand.	Public Services; Utilities	PWE; CED (Long Range Planning)	Moderate-term
CF-C Periodically review the provision of urban services and utilities to the city's Urban Growth Area (UGA) to determine if service delivery is optimal.	Public Services; Utilities	PWE (Capital Projects); CED (Long Range Planning)	Short-term
CF-D Maintain a transparent and efficient process for siting essential public facilities that considers environmental and community impacts.	Public Services; Utilities	CED (Long Range Planning); PWE (Capital Projects); Planning Commission	Moderate-term/ongoing
CF-E Maintain and regularly revise the city's Capital Improvement Program.	Public Services; Utilities	PWE (Capital Projects); CED (Long Range Planning)	Regular/yearly

## 15.4.4 Economic Development

Actions		Related Elements	Lead/Partners	Timeline
ED-A	Maintain an Economic Development Strategy to guide local actions that can enhance business growth and promote local economic development.	Land Use; Transportation; Public Services; Utilities; Housing	CED (Economic Development); City Manager	Moderate-term
ED-B	Provide regular reporting and analysis of local economic data (e.g., land use trends, employment forecasts, retail analyses) to support local actions.		CED (Economic Development)	Regular/yearly
ED-C	Regularly conduct comprehensive surveys and outreach among local businesses to pinpoint prevailing challenges and fine-tune business retention strategies		CED (Economic Development)	Regular/periodic
ED-D	Create marketing materials and supporting information about available tax incentives, grants, and other financial mechanisms that can assist in business development and economic expansion.		CED (Economic Development)	Short-term
ED-E	Engage in marketing and business retention and expansion activities to enhance the city's image as a prime location for business and investment, highlighting the city's strategic advantages and quality of life.		CED (Economic Development)	Ongoing
ED-F	Monitor city permitting and licensing processing times to identify any potential issues and determine necessary action.	Housing; Utilities	CED (Economic Development); CED (Development Services); PWE (Engineering Services)	Regular/yearly
ED-G	Enhance information sharing between the city, real estate brokers, developers, and financial institutions to keep the city informed about emerging development trends, available properties, current market vacancies, and pertinent economic issues.		CED (Economic Development); real estate representatives	Short-term/ongoing
ED-H	Maintain site selection resources to help match available commercial and industrial spaces with the specific needs of both new and established businesses in the community.		CED (Economic Development); Administrative Services (Information Technology)	Administrative Services (Information Technology)

## 15.4.5 Energy and Climate Change

Actions	Related Elements	Lead/Partners	Timeline	
EC-A	Increase community awareness about climate change through educational campaigns and local sustainability efforts through workshops and partnerships with local organizations.	Implementation (Public Engagement)	CED (Long Range Planning); PWE (Engineering Services)	Short-term/ongoing
EC-B	Develop a hazards management plan that includes strategies for both pre-incident and post-incident management to enhance community resilience.	Public Services	City Manager; West Pierce Fire & Rescue; Lakewood Police Department; neighboring communities	Moderate-term
EC-C	Work with transportation agencies on ongoing programs to improve and enhance public transit services and reduce the community's reliance on private vehicles.	Transportation	PWE (Transportation); WSDOT; Sound Transit; Pierce County Transit; neighboring communities	Ongoing
EC-D	Increase the use of renewable energy sources like solar and wind power by the city.	Capital Facilities and Essential Public Facilities	CED (Long Range Planning); PWE (Engineering Services); PRCS (Property Management)	Short-term
EC-E	Promote energy and water conservation practices in the design, construction, and maintenance of city-owned buildings.	Capital Facilities and Essential Public Facilities	PWE (Engineering Services); PRCS (Property Management)	Short-term/ongoing
EC-F	Provide public information about conservation practices.	Implementation (Public Engagement)	CED (Long Range Planning); PWE (Engineering Services)	Short-term
EC-G	Review the feasibility of installing EV charging stations and implement installations where possible.	Transportation	CED (Long Range Planning); PWE (Transportation)	Short-term
EC-H	Develop an Energy & Climate Change Implementation Plan to guide the actions to carry out energy, climate change, and resilience policies from this Element.	Natural Environment, Transportation, Capital Facilities and Essential Public Facilities; Land Use	City Manager; CED (Long Range Planning); all departments	Short-term
EC-I	Provide for ongoing monitoring and reporting of the city's carbon emissions and reduction efforts.	Natural Environment, Transportation, Capital Facilities and Essential Public Facilities; Land Use; Implementation (Public Engagement)	City Manager; CED (Long Range Planning); all departments	Short-term/Ongoing

## 15.4.6 Housing

Actions	Related Elements	Lead/Partners	Timeline	
HO-A	Regularly update and maintain a Housing Action Plan to provide strategic guidance on how best to achieve housing goals.	CED (Long Range Planning); CED (Housing & Community Services)	Moderate-term	
HO-B	Regularly compile statistics on housing construction and demolition by type to provide regular reports on changes to housing in the community and progress towards identified goals.	Land Use	CED (Development Services); CED (Long Range Planning)	Regular/yearly
HO-C	Periodically review the use of housing incentives such as the Multifamily Tax Exemption (MFTE) program to ensure these programs promote desired residential development in targeted areas and support the sustainability of diverse housing options within the community.	Land Use; Economic Development	CED (Economic Development)	Moderate-term
HO-D	Review the Building Code and Fire Code to determine options for reducing building costs and improving the efficiency of development without compromising the health and safety of building occupants.	Land Use; Public Services	CED (Long Range Planning); CED (Development Services); West Pierce Fire & Rescue (Fire Marshal)	Short-term
HO-E	Explore additional incentives for infill development to encourage the use of available capacity.	Land Use	CED (Long Range Planning)	Short-term
HO-F	Partner with developers and other organization to demonstrate diverse and innovative housing types that could address a variety of residential needs.		CED (Development Services)	Ongoing
HO-G	Provide support such as pre-approved plans to encourage the development of Accessory Dwelling Units (ADUs).		CED (Long Range Planning); CED (Development Services)	Short-term
HO-H	Coordinate with nonprofit organizations, regional housing authorities, and other agencies to plan for supportive housing to meet identified city targets.		CED (Long Range Planning); CED (Housing & Community Services); Community Services Advisory Board	Ongoing
HO-I	Coordinate outreach to manufactured home park owners and residents to facilitate preservation as affordable housing.		CED (Long Range Planning); CED (Housing & Community Services)	Moderate-term



## 15.4.7 Military Compatibility

Actions	Related Elements	Lead/Partners	Timeline
MC-A Provide regular monitoring of city land use to identify activities that could negatively affect JBLM operations, ensuring all planning aligns with relevant growth and safety guidelines.	Land Use	CED (SSMCP); CED (Long Range Planning); JBLM	Ongoing
MC-B Maintain coordination efforts with JBLM through structured consultation and notification processes for any city actions potentially impacting military facilities	Land Use	CED (SSMCP); CED (Development Services); CED (Long Range Planning); JBLM	Ongoing
MC-C Act as the fiscal agent and provide administrative support for the South Sound Military & Communities Partnership, ensuring active participation at executive levels.		CED (SSMCP)	Ongoing
MC-D Amend local zoning codes and ordinances to include land use compatibility requirements, including those that promote sound attenuation and account aircraft safety and military operational noise.	Land Use	CED (SSMCP); CED (Long Range Planning)	Short-term
MC-E Engage with JBLM and surrounding communities through the SSMCP to provide comprehensive planning for the needs for off-base housing for base staff.	Land Use	CED (SSMCP); CED (Long Range Planning); JBLM; neighboring communities	Ongoing

## 15.4.8 Natural Environment

Actions	Related Elements	Lead/Partners	Timeline	
NE-A	Maintain and periodically update the city's Critical Areas and Resource Lands Ordinance and related plans to incorporate the latest scientific research and adaptive management insights as required by the Growth Management Act (GMA).	Land Use	CED (Long Range Planning); PWE	Moderate-term
NE-B	Maintain the city's Shoreline Master Program (SMP) and Restoration Plan, consistent with Growth Management Act and the state Shoreline Management Act, including salmon recovery provisions.	Shoreline Master Program; Land Use	CED (Long Range Planning); CED (Development Services); PWE; American Lake Management District No. 1 Advisory Committee	Moderate-term
NE-C	Provide comprehensive environmental stewardship resources both online and in print, offering materials in multiple languages to increase engagement and distribution.	Implementation (Public Engagement)	CED (Long Range Planning); CED (Development Services); PWE	Short-term
NE-D	Coordinate ongoing engagement to share information about natural environmental quality and actions to protect and improve water quality.	Implementation (Public Engagement)	CED (Long Range Planning); CED (Development Services); PWE	Short-term/ongoing
NE-D	Provide public information about compliance with the city tree protections, especially with respect to the Oregon white oak.	Implementation (Public Engagement)	CED (Long Range Planning); CED (Development Services); PWE	Short-term
NE-E	Provide information to landowners and developers to encourage the use of non-structural methods for flood prevention and mitigation to maintain natural flood storage functions and reduce the impact of flood events.	Land Use; Implementation (Public Engagement)	CED (Development Services); PWE	Short-term
NE-F	Maintain surface and groundwater monitoring programs to support efforts to reduce pollution sources impacting major water bodies within the city.		PWE (Surface Water Management Program)	Ongoing
NE-G	Initiate projects to restore and enhance riparian zones to maintain their ecological functions, improve water quality and support biodiversity.		PWE (Surface Water Management Program); American Lake Management District No. 1 Advisory Committee	Short-term/ongoing
NE-H	Maintain and expand the urban forestry program to increase tree coverage, promote tree health, and ensure the preservation of significant tree stands throughout the city.		CED (Long Range Planning); CED (Development Services); PWE (Engineering Services); Tree Advisory Committee	Short-term/ongoing

Actions		Related Elements	Lead/Partners	Timeline
NE-I	Ensure that the development process includes oversight to preserve the ecological functions of wetlands and achieve "no net loss" in wetland value and function.	Land Use	CED (Development Services); PWE (Surface Water Management Program)	Short-term/ongoing
NE-J	Coordinate planning to develop and enhance safe public access to shorelines and lakes, ensuring the protection of natural habitats while promoting recreational use that does not compromise ecological health.	Land Use	CED (Long Range Planning); CED (Development Services)	Moderate-term
NE-K	Collaborate with local environmental agencies and organizations to support local implementation of stewardship programs.	Land Use	CED (Development Services); PWE (Surface Water Management Program)	Moderate-term /ongoing

## 15.4.9 Parks, Recreation, and Open Space

Actions	Related Elements	Lead/Partners	Timeline	
PR-A	Regularly update the Parks, Recreation, and Open Space Plan to reflect evolving community needs and ensure alignment with related city elements and strategies.	PRCS (all); Parks & Recreation Advisory Board	Moderate-term	
PR-B	Review barriers to access for individual parks and provide planning for the elimination of these barriers, including upgrades to meet Americans with Disabilities Act (ADA) standards.	Transportation; Capital Facilities and Essential Public Facilities	PRCS (all); Parks & Recreation Advisory Board	Short-term
PR-C	Implement and maintain engagement programs to involve residents, community groups, and stakeholders in the planning and development of park facilities and programs.	Implementation (Public Engagement)	PRCS; Parks & Recreation Advisory Board	Short-term/ongoing
PR-D	Develop programming for parks and public spaces that showcase local art and cultural elements that highlight the community's heritage and diversity.		PRCS (Operations & Maintenance); Parks & Recreation Advisory Board; Lakewood Arts Commission	Ongoing
PR-E	Provide regular reporting on park and open space improvements in the city and progress towards identified goals.		PRCS (Capital Projects); Parks & Recreation Advisory Board	Regular/yearly
PR-F	Pursue various external funding mechanisms, including federal, state, and private/non-profit grants, to finance park and recreation projects.		PRCS (Capital Projects); Parks & Recreation Advisory Board	Ongoing
PR-G	Ensure the city's website maintains user-friendly information about parks to improve visitor communication and engagement. This can include facility maps, trail maps, details about available amenities, and integration with on-site signage.		PRCS; Administrative Services (Information Technology); Parks & Recreation Advisory Board	Short-term/ongoing

## 15.4.10 Public Services

Actions		Related Elements	Lead/Partners	Timeline
PS-A	Conduct regular community outreach activities to educate the public about fire safety and hazardous materials management.	Implementation (Public Engagement)	West Pierce Fire & Rescue; Public Safety Advisory Board	Short-term/ongoing
PS-B	Regularly assess the impact of growth on emergency services to guide changes in management and resource planning.	Capital Facilities and Essential Public Facilities	West Pierce Fire & Rescue; Public Safety Advisory Board	Regular/yearly
PS-C	Coordinate plans to reduce EMS response times to four minutes.		West Pierce Fire & Rescue; Public Safety Advisory Board	Moderate-term
PS-D	Provide regular support from the city for community-based crime prevention programs.		Lakewood Police Department (Specialty Units); Public Safety Advisory Board	Moderate-term
PS-E	Maintain a comprehensive emergency management plan that includes pre-incident and post-incident strategies to address potential disasters.	Energy and Climate Change	City Manager; Public Safety Advisory Board; West Pierce Fire & Rescue; Lakewood Police Department; neighboring communities	Moderate-term
PS-F	Provide for regular engagement with public services providers to assess and address community needs through strategic planning and collaboration.	Implementation (Public Engagement)	West Pierce Fire & Rescue; Lakewood Police Department; City Manager; Public Safety Advisory Board	Short-term/ongoing
PS-G	Provide a framework for regular engagement with the local school district to ensure that school facilities planning can accommodate future students and potentially meet the needs for community facilities.	Implementation (Public Engagement)	Clover Park School District; PRCS (Operations & Maintenance); PRCS (Recreation)	Ongoing
PS-H	Explore the development of new library facilities, services, and outreach programs to meet growing demand, especially in underserved communities.		Pierce County Library System; City Manager	Ongoing

## 15.4.11 Subareas

Actions	Related Elements	Lead/Partners	Timeline
SA-A Develop and implement redevelopment and subarea plans for Springbrook, the Pacific Highway SW corridor, and selected residential arterials.	(all)	CED (Long Range Planning)	Moderate-term
SA-B Regularly monitor development trends and buildable land capacity within subareas and update the City Council on necessary Subarea Plan amendments to help meet subarea growth targets.	Land Use; Housing	CED (Long Range Planning); CED (Development Services)	Regular/yearly



## 15.4.12 Transportation

Actions	Related Elements	Lead/Partners	Timeline	
TR-A	Amend and regularly update the Lakewood Engineering Design Standards to ensure alignment with desired improvements to streetscapes and local transportation improvements.	Capital Facilities and Essential Public Facilities	PWE (Transportation)	Moderate-term
TR-B	Regularly update and amend the city's six-year Transportation Improvement Program according to the priorities included in the Comprehensive Plan.	Capital Facilities and Essential Public Facilities	PWE (Transportation)	Regular/yearly
TR-C	Implement a traffic safety program aimed at achieving zero fatalities and serious injuries using a Safe System Approach, with regular reviews and updates based on data analysis.	Public Services	PWE (Transportation); Lakewood Police Department	Moderate-term/ongoing
TR-D	Revise and enforce design standards for pedestrian and bicycle facilities to align with national guidelines and local needs	Parks, Recreation, and Open Space; Capital Facilities and Essential Public Facilities	PWE (Transportation); PRCS (Capital Projects)	Short-term
TR-E	Continue collaborations with county and regional entities to fund and implement significant multimodal transportation improvements	Capital Facilities and Essential Public Facilities	PWE (Transportation); City Manager	Ongoing
TR-F	Develop and implement an ADA Transition Plan for city facilities and transportation infrastructure.	(all)	City Manager; all departments	Short-term
TR-G	Provide guidance for Transportation Demand Management (TDM) strategies used by development projects as impact mitigation.	Land Use	PWE (Transportation); CED (Long Range Planning)	Moderate-term
TR-H	Coordinate a commute trip reduction plan with local businesses, transit agencies, and other entities to decrease traffic.	Land Use; Economic Development	PWE (Transportation)	Moderate-term
TR-I	Implement and regularly update the Non-Motorized Transportation Plan to highlight pedestrian and bicycle infrastructure as integral components of the local multimodal transportation system.	Capital Facilities and Essential Public Facilities	PWE (Transportation); PRCS (Capital Projects)	Moderate-term
TR-J	Implement a street light placement policy focused on enhancing pedestrian safety through better lighting, especially in newly developed or redeveloped areas.	Capital Facilities and Essential Public Facilities	PWE (Transportation)	Short-term

Actions	Related Elements	Lead/Partners	Timeline
TR-K	Coordinate a review of the potential for local micro-transit and "first mile last mile" services with Pierce County Transit.	PWE (Transportation); Sound Transit; Pierce County Transit; neighboring communities	Moderate-term
TR-L	Work closely with WSDOT, neighboring jurisdictions, and regional transit authorities to ensure coherent transportation planning.	Capital Facilities and Essential Public Facilities	PWE (Transportation); WSDOT; Sound Transit; Pierce County Transit; neighboring communities

### 15.4.13 Urban Design

Strategy	Related Elements	Lead/Partners	Timeline	
UD-A	Develop and implement community design guidelines for commercial, industrial, and multifamily residential development. These should consider the design elements and features that give specific areas a distinctive character.	Land Use; Housing	CED (Long Range Planning); CED (Development Services)	Moderate-term
UD-B	Develop an individual identity for the International District through branding, visitor engagement, and city-sponsored events.	Land Use; Economic Development	CED (Economic Development); CED (Long Range Planning); CED (Development Services)	Moderate-term
UD-C	Capitalize on historical sites in the area such as Fort Steilacoom, Lakewold Gardens, and the Lakewood Colonial Theater, as well as other local amenities like the lakes and parks.	Land Use; Parks, Recreation, and Open Space	PRCS (Recreation); Landmarks and Heritage Advisory Board	Moderate-term
UD-D	Provide guidelines and resources to encourage the inclusion of public art from local artists in development projects to enrich the urban environment and celebrate local culture.	Land Use; Housing; Parks, Recreation, and Open Space	PRCS (Operations and Maintenance); Lakewood Arts Commission	Moderate-term
UD-E	Create guidelines for unified design themes and consistent wayfinding for public street facilities to strengthen community identity.	Land Use; Transportation; Parks, Recreation, and Open Space	CED (Long Range Planning); CED (Development Services); PWE (Transportation); PRCS (Operations & Maintenance)	Moderate-term
UD-F	Collaborate with state or regional organizations to develop materials that encourage implementation of Universal Design standards for housing accessibility.	Land Use; Housing	CED (Housing & Community Services); CED (Development Services)	Moderate-term

## 15.4.14 Utilities

Strategy	Related Elements	Partners	Timeline	
UT-A	Maintain a comprehensive schedule to manage and update data on utility corridors and facilities with private utility providers.	Public Services; Capital Facilities and Essential Public Facilities	CED (Long Range Planning); Administrative Services (Information Technology); PWE (Engineering Services)	Short-term/ongoing
UT-B	Develop materials and engage with utility providers to ensure that the placement and planning of all utility facilities align with the goals and objectives of the Comprehensive Plan	Public Services; Capital Facilities and Essential Public Facilities	PWE (Engineering Services)	Short-term/ongoing
UT-C	Plan and implement necessary upgrades to flood control systems to meet NPDES standards.	Natural Environment	PWE	Short-term/ongoing
UT-D	Maintain a clear cost-sharing framework to fairly distribute the costs of storm drain and flood-control improvements among beneficiaries.	Natural Environment; Capital Facilities and Essential Public Facilities	PWE (Capital Projects)	Short-term
UT-E	Create plans for the undergrounding of utilities and coordinate these efforts with other infrastructure projects.	Capital Facilities and Essential Public Facilities	PWE (Capital Projects)	Moderate-term

# 16 Glossary

**Accessory Dwelling Unit (ADU).** A dwelling unit located on the same lot as a single-family housing unit, or duplex, triplex, fourplex, townhome, or other permitted housing unit. These can be “attached” which is located within or attached to the primary unit, or “detached” which consists partly or entirely of a building that is separate from the primary unit and is on the same lot.

**Accident Potential Zones (APZ).** Areas in the vicinity of military airfield runways where an aircraft mishap is most likely to occur if one were to occur. These areas are required to have limited development to prevent significant impacts from air accidents.

**Activity Units (AUs).** A measure of total activity used by PSRC that is calculated as the total of jobs and population.

**Affordable Housing.** Residential housing for households where monthly housing costs, including utilities other than telephone, do not exceed thirty percent of the monthly income of the household. Affordable housing is typically defined with respect to different income levels based on area median income, with 80% of median income (considered “low income”) typically used as the threshold for affordable rental housing.

**Air Installation Compatibility Use Zone (AICUZ).** A program developed by the Department of Defense to promote public health and safety and protect the operational capability of the air installation through the local adoption of compatible land use controls. These land use controls are intended to promote community growth that is compatible with the airfield operations.

**Americans with Disabilities Act (ADA).** The Act is a 1990 federal law designed to prohibit discrimination against people with disabilities in everyday activities and guarantee equal access to jobs, transportation, public facilities, and services.

**Area Median Income (AMI).** The household income that is assumed to be the median for a household within an area. For the purposes of housing, this is projected by the US Department of Housing and Urban Development and is assumed to represent the median income for a family household of four people. With respect to these calculations, Lakewood is assumed to be part of the Tacoma, WA HUD Metro Fair Market Rent Area.

**Best Available Science (BAS).** The most up-to-date information available for planning and development decision-making, which is defined and required by the Growth Management Act as per RCW [36.70A.172](#).

**Buffer.** An area contiguous with a critical area that is required for the integrity, maintenance, function, and stability of that critical area.

**Bus Rapid Transit (BRT).** A bus-based transportation system that includes additional features to deliver fast and efficient service, such as dedicated lanes, busways, traffic signal priority, off-board fare collection, elevated platforms, and enhanced stations.

**Capital Facilities.** Capital facilities are tangible assets that generally have a long useful life and include city and non-city operated infrastructure, buildings, and equipment. Under WAC [365-196-415](#), at a minimum, those capital facilities to be included in an inventory and analysis are transportation, water systems, sewer systems, stormwater systems, reclaimed water facilities, schools, parks and recreation facilities, and police and fire protection facilities.

**Center of Municipal Importance (CoMI).** A Center of Municipal Importance is designated to identify a local center or activity node that is consistent with regional and local planning. Such an area is intended to promote compact, pedestrian-oriented development with a mix of uses, proximity to diverse services, and a variety of appropriate housing options, or are otherwise located in an established industrial area.

**Climate Adaptation.** Actions taken to adapt to unavoidable impacts as a result of climate change.

**Climate Change.** The change in global and regional climate patterns apparent from the mid- to late-twentieth century onward and attributed largely to increased levels of atmospheric carbon dioxide from the use of fossil fuels.

**Climate Resilience.** The ongoing process of anticipating, preparing for, and adapting to changes in climate and minimizing negative impacts to our natural systems, infrastructure, and communities.

**Comprehensive Land Use Plan, Comprehensive Plan, or Plan.** A generalized coordinated land use policy statement of the governing body of a county or city that is adopted pursuant to Chapter [36.70A](#) RCW.

**Concurrency.** A state planning requirement to ensure that needed services and facilities are in place by the time development is completed and to be occupied, or that funding has been committed to provide such services within 6 years, as per RCW [36.70A.070\(6\)\(b\)](#) and WAC [365-196-840](#).

**Consistency.** A measure of whether any feature of the Comprehensive Plan or a regulation is incompatible with any other feature or a plan or a regulation. The Growth Management Act addresses consistency in three ways: (1) internal consistency of comprehensive plans, (2) consistency of zoning and regulations with the comprehensive plan, and (3) consistency with other jurisdictions.

**Cost Burden.** A measure of the percent of household income spent on housing and housing-related expenditures. Households that spend more than 30% of their gross income on housing, including utilities, are considered “cost-burdened”, while households spending more than 50% of their gross income are considered “severely cost-burdened”.

**Cottage Housing.** Detached residential units on a lot with a common open space that either: (a) is owned in common; or (b) has units owned as condominium units with property owned in common and a minimum of 20% of the lot size as open space.

**Cottage.** A detached, primary dwelling unit with a footprint of 1,000 square feet or less.



**Countywide Planning Policies (CPPs).** Under the Growth Management Act, counties and cities are required to collaboratively develop countywide planning policies to set the general framework for coordinated land use and population planning under RCW [36.70A.210](#).

**Courtyard Housing.** Up to eight attached dwelling units arranged on two or three sides of a yard or a court.

**Covered Employment.** Employment covered under state unemployment insurance which is identified as part of labor statistics in the state. Covered employment does not typically include self-employed workers, proprietors, and other non-insured workers.

**Critical Aquifer Recharge Areas.** Areas that are determined to have a critical recharging effect on aquifers used for potable water.

**Critical Areas Ordinance (CAO).** An ordinance provided under city code to protect the functions and values of ecologically sensitive areas while allowing for reasonable use of private property, through the application of best available science; implement the GMA and the natural environment goals of the Comprehensive Plan; and protect the public from injury and loss due to slope failures, erosion, seismic events, volcanic eruptions, or flooding.

**Critical Areas.** Areas and ecosystems that require protection of resources important to the natural environment, wildlife habitats, and sources of fresh drinking water. Under RCW [36.70A.030](#)(6), there are five types of critical areas: (a) wetlands; (b) areas with a critical recharging effect on aquifers used for potable water; (c) fish and wildlife habitat conservation areas; (d) frequently flooded areas; and (e) geologically hazardous areas.

**Density.** A measure of the intensity of residential development, usually expressed as the number of people, jobs, or housing units per acre.

**Development Regulation.** Controls placed on the development or land use activities including, but not limited to, zoning ordinances, critical areas ordinances, shoreline master programs, official controls, subdivision ordinances, and binding site plan ordinances.

**Displacement.** The relocation of current residents or businesses from their current location due to external factors. Displacement can be physical (e.g., the demolition or removal of a housing unit), economic (e.g., relocation due to rising rents), and/or cultural (e.g., ongoing displacement in a local cultural community hastened due to fewer social connections).

**Duplex.** Two primary attached dwelling units on a lot in any configuration intended for two separate households. Note that a single-family dwelling unit with an attached or detached accessory dwelling unit is not a duplex.

**Dwelling Unit.** One or more rooms located within a structure, designed, arranged, occupied, or intended to be occupied by one or more persons as living accommodations.

**Easement.** A grant by the property owner to the public, a corporation, or persons, of the use of land for a specific purpose and on or over which the owner will not erect any permanent improvements which serve to interfere with the free exercise of that right.

**Environmental Impact Statement (EIS).** A document that identifies potential environmental impacts of a proposed project or action, as required under the State Environmental Protection Act. This can include potential impacts on earth, water resources, plants and animals, land use patterns and environmental justice, plans and policies, population and employment, housing, aesthetics, cultural and historic resources, transportation, public services, and utilities.

**Essential Public Facility.** Capital facilities of a countywide or statewide nature which have characteristics that make them extremely difficult to site. Essential public facilities include, but are not limited to, sewage treatment plants, reservoirs, electrical substations and transmission lines, local airport and port facilities, landfills and solid waste transfer stations, senior high schools, community colleges, four-year colleges and universities, correctional institutions, special population diagnostic or treatment facilities, opioid treatment programs (including both mobile and fixed-site medication units), recovery residences, harm reduction programs (excluding safe injection sites), and inpatient facilities (including substance use disorder treatment facilities, mental health facilities, group homes, community facilities, and secure community transition facilities), stormwater retention or detention facilities serving large drainage basins, and major transit facilities.

**Fish and Wildlife Habitat Conservation Areas.** Areas necessary for maintaining species in suitable habitats within their natural geographic distribution so that isolated subpopulations are not created.

**Floor Area Ratio (FAR).** A measure of development intensity calculated as the gross building area of qualifying improvements on a site divided by the net area of a parcel of property. This is typically expressed as a decimal (not as a percentage).

**Fourplex.** A building consisting of four primary attached dwelling units intended for four separate households on a lot in any configuration.

**Frequently Flooded Areas.** Lands in the floodplain subject to a 1% or greater chance of flooding in any given year. These areas could include, but are not limited to, streams, lakes, wetlands and their associated floodplains, flood fringes or the Federal Emergency Management Agency (FEMA) floodway. A flood hazard area consists of the floodplain, flood fringe, and FEMA floodway.

**Future Land Use.** Policy designations in the Comprehensive Plan that describe use types, densities, and intensities allowed in different areas of the city.

**Land Use Designations Map (LUDM)** A required component of the Comprehensive Plan that shows the proposed physical distribution and location of the various land uses during the planning period.

**Geologically Hazardous Areas.** Areas that may not be suited to development consistent with public health, safety, or environmental standards because of their susceptibility to landslides, slope failures, erosion, seismic events, volcanic eruptions, or flooding hazards.

**Goal.** A broad, general statement of the community's desired long-term future state. Goals indicate what ought to exist in the community or what is desired to be achieved in the future.

**Growth Management Act (GMA).** The 1990 State Growth Management Act (Chapter [36.70A](#) RCW), as amended. This statute provides the basis for much of the urban planning in the state of Washington and includes requirements for comprehensive planning for communities.

**Habitat.** The place or type of site where a plant or animal naturally or normally lives and grows.

**High-Occupancy Vehicle (HOV).** A motor vehicle with two or more people traveling in it. This may include carpools, vanpools, and transit.

**High-Capacity Transit (HCT).** Public transportation services within an urbanized region operating principally on exclusive rights-of-way, and the supporting services and facilities necessary to implement such a system, including interim express services and high occupancy vehicle lanes, which taken as a whole, provides a substantially higher level of passenger capacity, speed, and service frequency than traditional public transportation systems operating principally in general purpose roadways (RCW [81.104.015](#)).

**Household.** A group of people, related or unrelated, living within the same housing unit. This can include a person living alone, a family, or roommates.

**Impervious Surface.** A surface that cannot be easily penetrated by water, such as buildings or concrete paving.

**Income-Restricted Housing** or **Rent-Restricted Housing.** Housing units subject to a regulatory agreement, covenant, or other legal document on the property title requiring them to be available to households that can document their incomes as being at or below a set income limit and are offered for rent or sale at below-market rates.

**Infill Development.** Projects that build new structures on vacant or underutilized land in areas that were previously developed, typically without demolishing existing structures.

**Infrastructure.** Public and private physical assets that provide services necessary to support existing and future development, such as roads, public buildings, schools, parks, transportation, water, sewer, surface water and communication systems.

**Level of Service (LOS).** A measure of the performance of a public facility in providing necessary functions to meet public needs and expectations.

**Location Quotient.** The ratio of the proportion of local employment in a sector to the proportion of regional employment in the sector.

**Major Transit Stop.** A stop on a high-capacity transportation system such as commuter rail stops, stops on rail or fixed guideway systems, and stops on bus rapid transit routes.

**Manufactured Home.** A structure designed and constructed to be transportable in one or more sections and built on a permanent chassis, and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities that include plumbing, heating, and electrical systems contained therein.

**Manufactured Housing Community.** A site divided into two or more manufactured home lots for sale or lease and intended for permanent residential use.

**Market-Rate Housing.** Housing which is bought, sold, and/or rented in the open market with no restrictions on the purchase price or rent charged.

**Middle Housing.** Buildings that are compatible in scale and, form, and character with single-family detached houses and contain two or more attached, stacked, or clustered homes including duplexes, triplexes, fourplexes, townhouses, courtyard apartments, and cottage housing.

**Mixed Use Development.** A project that combines more than one general category use on a site, such as residential, office, or retail. This can include “vertical” mixed-use where these uses are found in the same structure, or “horizontal” mixed-use where different uses are found in adjacent buildings on the same site.

**Mode Split.** The proportion of trips that use different modes of transportation.

**Mode.** A particular category of travel, such as walking, bicycling, driving alone, carpool/vanpool, bus/transit, ferry, or airplane.

**Municipal Code** or the **Lakewood Municipal Code (LMC).** The local law of the municipal corporation of Lakewood, duly enacted by the proper authorities, prescribing general, uniform, and permanent rules of conduct relating to the corporate affairs of the municipality.

**Multicounty Planning Policy (MPP).** An official statement adopted in VISION 2050 to provide guidance for regional decision-making, as well as a common framework for countywide planning policies and local comprehensive plans.

**Multifamily Housing** or **Apartment.** A structure containing five or more attached dwelling units located on a lot.

**Multimodal.** Issues or activities which involve or affect more than one mode of transportation, such as transportation connections, choices, cooperation, and coordination of various modes.

**National Pollutant Discharge Elimination System (NPDES).** A federal permit program created in 1972 by the Clean Water Act which addresses water pollution by regulating point sources that discharge pollutants to waters of the US.

**Nonconforming Use.** The use of a land or structure which was lawful when established but no longer conforms to current regulations. Typically, nonconforming uses are permitted to continue, subject to certain restrictions.

**Nonmotorized Transportation.** Any mode of transportation that utilizes a power source other than a motor, such as bicycling or walking.

**Nonpoint Source Pollution.** Pollution that enters water from dispersed and uncontrolled sources (such as surface runoff) rather than through pipes.

**On-Street Parking.** Parking provided within the public right-of-way of a street.

**Open Space.** A parcel or area of land that is essentially unimproved and devoted to the preservation of natural resources, the managed production of resources, and/or passive or low-impact recreation.

**Permanent Supportive Housing (PSH).** Subsidized, leased housing with no limit on length of stay intended for people who need comprehensive support services to retain tenancy and admissions

practices that can lower barriers to entry related to rental history, criminal history, and personal behaviors. Permanent supportive housing is paired with off-site voluntary services for behavioral health and physical health conditions intended to help residents retain their housing and be a successful tenant in a housing arrangement, improve their health status, and connect them with community-based health care, treatment, or employment services.

**Planned Action.** A planned action is a development project whose impacts have been addressed by an Environmental Impact Statement associated with a plan for a specific geographic area before individual projects are proposed. Such up-front analysis of impacts and mitigation measures then facilitates environmental review of subsequent individual development projects.

**Planning Period.** The 20-year period following the adoption of a comprehensive plan, or such longer period as may have been selected as the initial planning horizon by the planning jurisdiction.

**Plex.** A building that consists of two to six primary attached dwelling units intended for separate households on a lot in any configuration.

**Point Source Pollution.** A source of pollutants from a single, identifiable point of conveyance such as a pipe. For example, the discharge pipe from a sewage treatment plant is a point source.

**Policy.** A principle, protocol, or proposal for action that supports a related goal. Policies are decision-oriented statements that guide the legislative or administrative body while evaluating a new project or proposed change in ordinance.

**Public Facilities and Services.** Facilities, infrastructure, and services that provide a specific public benefit, including sanitary and storm sewer systems, water supply, energy, public safety, and emergency services, schools, libraries, and other facilities. These facilities and services are provided by governments, contracted for or by governments, or provided by private entities subject to public service obligation.

**Puget Sound Regional Council (PSRC).** The PSRC is a regional planning and decision-making body for growth and transportation issues in King, Kitsap, Pierce, and Snohomish counties. Under federal transportation law, the Council is the Metropolitan Planning Organization (MPO) responsible for regional transportation planning and programming of federal transportation funds in the four counties. It is also the designated Regional Transportation Planning Organization for the four counties. PSRC manages the adopted regional growth strategy, VISION 2050 (see below).

**Redevelopable Land.** Non-vacant parcels currently in use with structures and improvements on the site, but not considered to be at their “highest and best use”. These sites are potential locations for new projects where existing improvements on the site are demolished and new buildings and improvements can be constructed.

**Regional Growth Center.** A mixed-use center formally designated by PSRC that includes housing, employment, retail, and entertainment uses. Regional growth centers are pedestrian-oriented, which allows people to walk to different destinations or attractions and are well-served by transit. Regional growth centers are planned for significant additional growth. Downtown Lakewood is the only PSRC designated regional growth center in the city.

**Regional Growth Strategy.** The approach for distributing population and employment growth within the four-county central Puget Sound region included as part of VISION 2050.

**Regulation.** A rule or directive found in city ordinances or the municipal code that meets the public interest and need and supports the community's framework vision, guiding principles, and goals and policies.

**Right-of-Way.** The right-of-way is the right to pass over the property of another. It refers to a strip of land legally established for the use of pedestrians, vehicles, or utilities.

**Secure Community Transition Facility (SCTF).** A residential facility for persons civilly committed and conditionally released to a less restrictive environment. A secure community transition facility has supervision and security, and either provides or ensures the provision of sex offender treatment services.

**Shoreline Master Program (SMP).** Local land use policies and regulations that guide the public and private use of Washington shorelines under the State Shoreline Management Act (Chapter [90.58](#) RCW).

**Single-Occupancy Vehicle (SOV).** A motor vehicle occupied only by a driver.

**Single-Family Attached Housing.** A primary dwelling unit designed for occupancy by one household located on a lot and sharing at least one wall with another attached dwelling unit.

**Single-Family Detached Housing.** A primary dwelling unit designed for occupancy by one household located on a lot and not sharing any walls with other primary dwelling units.

**South Sound Military & Communities Partnership (SSMCP).** An organization with a membership consists of more than fifty cities, counties, tribes, nonprofits, corporations, organizations, and JBLM, formed in 2011 to foster communication and mutual benefits related to complex issues affecting the military and civilian communities.

**Special Needs Housing.** Housing that is provided for persons, and their dependents who, by virtue of disability or other personal factors, face serious impediments to independent living and who require special assistance and services in their residence. Special needs housing may be permanent, long term or transitional basis.

**Species of Local Importance.** Those species of local concern due to their population status or their sensitivity to habitat manipulation, or that are game species.

**State Environmental Policy Act (SEPA).** The State Environmental Policy Act, or Chapter [43.21C](#) RCW, is the state law passed in 1971 requiring State and local agencies to consider environmental impacts in the decision-making process.

**Stormwater.** Water that falls as rain and flows across the ground, which is typically directed to drains in an urban area to collect the water and eventually direct it to streams, lakes, or other large water bodies.

**Streetscape.** The physical and aesthetic characteristics of a street, including elements such as structures, access, greenery, open space, view, lighting, etc.



**Townhouse.** One of multiple attached primary dwelling units that extend from foundation to roof and that have a yard or public way on not less than two sides.

**Transit.** Motorized public transportation, including public bus, bus rapid transit, and commuter rail.

**Tree Canopy.** The layer of leaves, branches, and stems that provide tree coverage of the ground when viewed from above. See also urban forest.

**Transitional Housing (TH).** A facility that provides housing and supportive services for up to two years to individuals or families experiencing homelessness to enable them to move into independent living and permanent housing.

**Transition Plan.** A plan under the ADA that is required under [28 CFR 35.150](#) to outline the steps necessary to make city facilities more accessible and provide a schedule for compliance under the ADA.

**Transportation Analysis Zone (TAZ).** A unit of geography that is typically used for transportation and utility modeling.

**Transportation Demand Management (TDM).** A program used to maximize travel choices for people and encourage a more efficient use of transportation systems. These strategies are meant to reduce congestion, ease traffic, and improve the range of transportation options available by encouraging carpooling, biking, public transit, or telecommuting.

**Trip Generation.** The number of trips made to and from each type of land use by day. Trip generation provides the linkage between land use and travel.

**Trip.** A one-direction movement which begins at an origin and ends at a destination, which is the typical unit of transportation planning.

**Triplex.** A building consisting of three primary attached dwelling units on a lot in any configuration intended for three separate households.

**U.S. Department of Housing and Urban Development (HUD).** The federal agency responsible for housing programs. HUD sets income limits for metropolitan areas and counties across the country that determine eligibility for income-restricted housing units.

**Undergrounding.** The construction or relocation of electrical wires, telephone wires, and similar facilities underground.

**Undevelopable Land.** Land unsuitable for development due to site conditions and not considered as part of the inventory of development capacity in the city.

**Urban Growth Area (UGA).** An unincorporated area designated under the Growth Management Act to accommodate projected growth over the next 20 years. A UGA may include areas that are provided urban services, such as sanitary sewer and water.

**Urban Growth.** Growth that makes intensive use of land for the location of buildings, structures, and impermeable surfaces to such a degree as to be incompatible with the primary use of land for the production of food, other agricultural products, or fiber, or the extraction of mineral resources, rural uses,

rural development, and natural resource lands designated pursuant to RCW [36.70A.170](#). When allowed to spread over wide areas, urban growth typically requires urban governmental services. "Characterized by urban growth" refers to land having urban growth located on it, or to land located in relationship to an area with urban growth on it as to be appropriate for urban growth.

**Urban Forest.** The trees and associated understory plants existing in the city, extending across public property, private property, and the right of way including parks and natural areas, as well as the trees along streets and in yards.

**Vehicle Miles Traveled (VMT).** A measurement of the total miles traveled by all vehicles for a specified time period. For transit, the number of vehicle miles operated on a given route, line, or network during a specified time period.

**VISION 2050.** The long-range growth management, environmental, economic, and transportation strategy for King, Pierce, Snohomish, and Kitsap counties. It was adopted by the Puget Sound Regional Council in October 2020 and is endorsed by more than one hundred member cities, counties, ports, state and local transportation agencies, and Tribal governments within the region.

**Watershed.** All the land and water that drains toward a particular river, stream, or other body of water. A watershed includes hills, lowlands, and the body of water into which the land drains.

**Wetlands.** Areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands do not include those artificial wetlands intentionally created from non-wetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities, or those wetlands created after July 1, 1990, that were unintentionally created as a result of the construction of a road, street, or highway. Wetlands may include those artificial wetlands intentionally created from non-wetland areas to mitigate the conversion of wetlands if permitted by the city.

**Zoning Overlay.** Areas that are subject both to underlying regulations from a zoning district and additional requirements imposed by an overlay district. The overlay district provisions apply if they conflict with the provisions of the underlying zone.

**Zoning.** A category of land use regulations that manage the use and development of land for distinct, identified areas.

# Lakewood Comprehensive Plan: Background Appendix

**WORKING DRAFT | August 2024**

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# Introduction

This supplemental appendix to the 2024 Lakewood Comprehensive Plan includes supporting materials outlining current conditions in the city in greater detail. This is intended to provide a foundation for the vision and goals included within the Plan and present a clear rationale for the policy decisions made within the document.

This backgrounder provides a review of key information for the following sections of the Comprehensive Plan, including:

- Land Use
- Capital Facilities and Essential Public Facilities
- Economic Development
- Energy and Climate Change
- Housing
- Military Compatibility
- Natural Environment
- Parks, Recreation, and Open Space
- Public Services
- Transportation
- Utilities

# A Land Use and Maps

## A.1 Introduction

Land use policies in Lakewood such as the Comprehensive Plan Land Use Element facilitate a well-distributed mix of land areas designated for housing, commerce, industry, recreation, transportation, open space, cultural resources, and various other purposes. Effective strategies for land use support both residential and commercial expansion, as well as the development of the amenities necessary to support residents, workers, and visitors in the community.

Lakewood incorporated to become a city in 1996, but at that time it was already a well-developed, mature suburban community. Most private properties within the city limits have been developed and improved, with much of the anticipated population and employment growth to be incorporated through urban infill and the redevelopment of existing properties. The city's infrastructure—covering transportation, utilities, and open spaces—is mostly built out, although there are some notable gaps to address.

Given this context, there is a need to refine land use patterns in Lakewood over time to:

- Promote economic development;
- Provide for the housing needs of a diverse existing and future population at all economic levels;
- Maximize and guide the use of existing and future infrastructure investments;
- Protect critical and environmentally sensitive areas; and
- Plan for climate change and resiliency.

From these needs, the city needs an overarching land use strategy to:

- Focus future development where it is required per state law, but also where it is best served by motorized and active transportation;
- Reinforce the health of commercial sectors; and
- Provide a broad spectrum of quality housing with sufficient stock affordable to all economic segments to meet growth targets.

Note that while accommodating residential and employment growth is essential, other uses are also critical for the future of the city. As Lakewood's population and employment bases expand, recreation and open spaces will become increasingly valued for enhancing quality of life. Public open spaces will be vital for maintaining Lakewood's visual appeal and serving as recreational amenities for families and wildlife. Improved connectivity to these land resources and enhanced access to public lands and waters are necessary for the community. Similarly, other public and institutional uses as well as supporting commercial activities will be essential to maintain the viability of local growth.

## A.2 Land Use Designations Map

The official Lakewood Land Use Designations Map (LUDM) is foundational to the city's Comprehensive Plan. Considerations in the development of the Land Use Designations Map included:

- General distribution and location of existing land uses;
- Population, housing unit, and employment growth targets;
- Appropriate intensity and density of land uses given current development trend;
- Protection of critical and environmentally sensitive areas;
- Protection of the quality and quantity of public water supplies;
- The provision of public services, including available utilities and urban services provided by third party entities;
- Control of stormwater runoff; and
- Costs and benefits of growth.

The LUDM establishes broad categories of land use ("designations") that are further defined at parcel-level distinctions in the Zoning Map and regulated by the Municipal Code development regulations. It serves as the principal guide for elected officials in making decisions about the need for, and the locations of, public services, utility systems, transportation routes, and other capital facilities. The LUDM is also referenced by city staff, consultants, private citizens, developers, and others interested in the city's future as they make decisions about where to live, work, invest, and conduct business.

Land use designations in the Land Use Designations Map are used in conjunction with the Comprehensive Plan's written goals and policies, which reflect how the community wishes to implement its vision for the city, its goals and objectives for land use, and other related elements of the Plan.

The table in Exhibit A-1 below summarizes which land use zones in the Lakewood Municipal Code implement the city's various land use designations. The following maps also provide context for land use regulations:

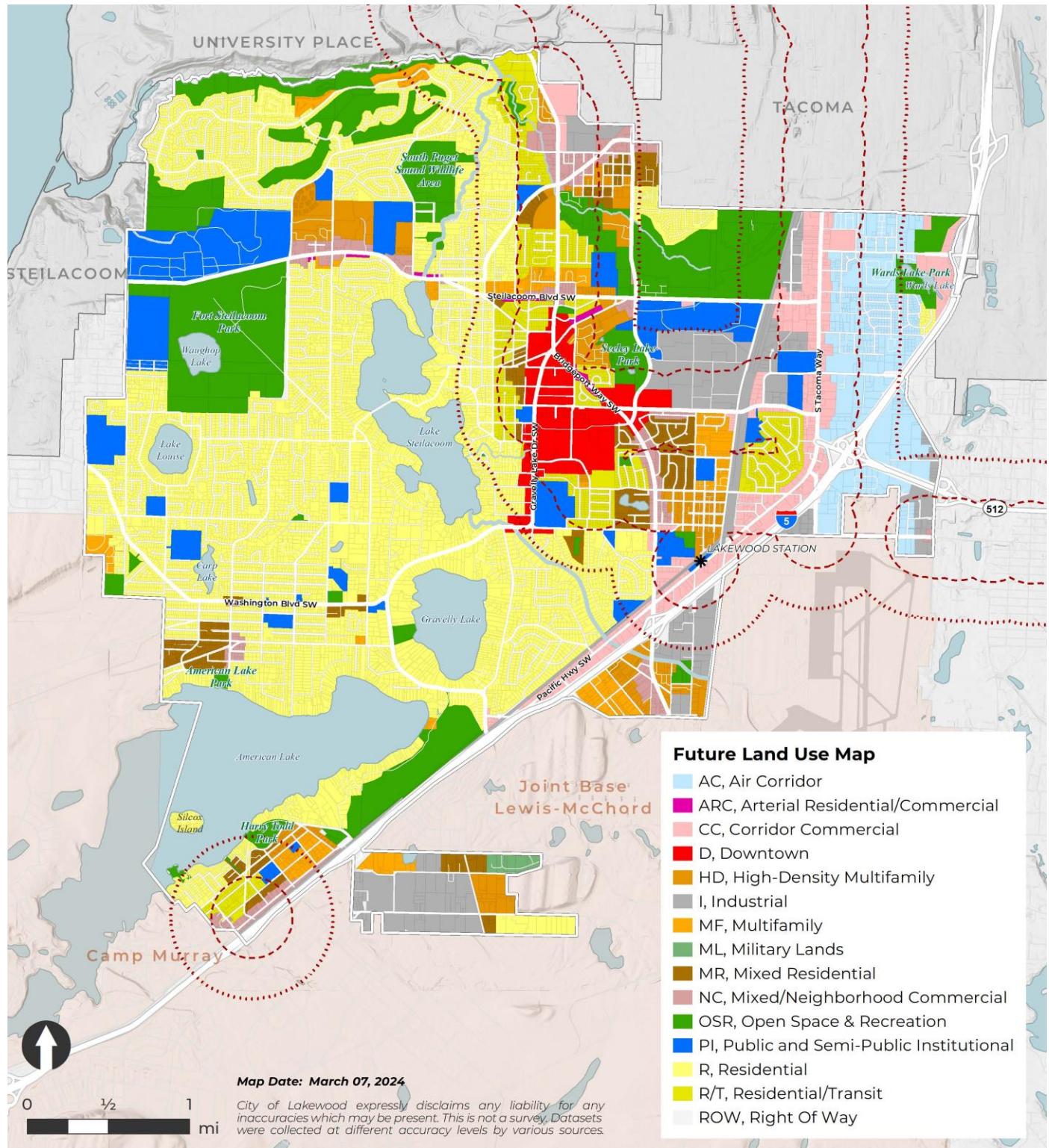
- Exhibit A-2 provides the LUDM for the Comprehensive Plan.
- Exhibit A-3 includes the zoning map to be provided as part of city zoning under LMC [18A.10.150](#).
- Exhibit A-4 presents the current zoning overlays that are included under the Lakewood Municipal Code.
- Exhibit A-5 indicates parcels of concern for reduced parking requirements where on-street parking may not be available to meet local demand. (For more details, see Section J – Transportation.)
- Exhibit A-6 highlights mobile/manufactured home locations in Lakewood, which is a consideration for affordable housing policy.

Exhibit A-1. Lakewood Land Use Designations Map Designations and Zoning.

Land Use Designation	Land Use Zoning District
<b>Air Corridor 1 (AC1)</b> <b>Air Corridor 2 (AC2)</b>	<ul style="list-style-type: none"> <li>▪ Clear Zone (CZ)</li> <li>▪ Air Corridor 1 (AC1)</li> <li>▪ Air Corridor 2 (AC2)</li> </ul>
<b>Arterial Corridor (ARC)</b>	<ul style="list-style-type: none"> <li>▪ Arterial Residential/Commercial (ARC)</li> </ul>
<b>Corridor Commercial (CC)</b>	<ul style="list-style-type: none"> <li>▪ Transit-Oriented Commercial (TOC) <i>(within Lakewood Station District)</i></li> <li>▪ Commercial 1 (C1)</li> <li>▪ Commercial 2 (C2)</li> <li>▪ Commercial 3 (C3)</li> </ul>
<b>Downtown</b>	<ul style="list-style-type: none"> <li>▪ Central Business District (CBD)</li> </ul>
<b>High-Density Multifamily (HD)</b>	<ul style="list-style-type: none"> <li>▪ Multifamily 2 (MF2)</li> <li>▪ Multifamily 3 (MF3)</li> </ul>
<b>Industrial (I)</b>	<ul style="list-style-type: none"> <li>▪ Industrial Business Park (IBP)</li> <li>▪ Industrial 1 (I1)</li> <li>▪ Industrial 2 (I2)</li> <li>▪ Industrial 2 (I2)</li> </ul>
<b>Public and Semi-Public Institutional (PI)</b>	<ul style="list-style-type: none"> <li>▪ Public Institutional (PI)</li> </ul>
<b>Multifamily (MF)</b>	<ul style="list-style-type: none"> <li>▪ Multifamily 1 (MF1)</li> </ul>
<b>Military Lands (ML)</b>	<ul style="list-style-type: none"> <li>▪ Military Lands (ML)</li> </ul>
<b>Mixed Residential (MR)</b>	<ul style="list-style-type: none"> <li>▪ Mixed Residential 1 (MR1)</li> <li>▪ Mixed Residential 2 (MR2)</li> </ul>
<b>Neighborhood Business District (NBD)</b>	<ul style="list-style-type: none"> <li>▪ Neighborhood Commercial 1 (NC1)</li> <li>▪ Neighborhood Commercial 2 (NC2)</li> </ul>
<b>Open Space and Recreation (OSR)</b>	<ul style="list-style-type: none"> <li>▪ Open Space and Recreation 1 (OSR1)</li> <li>▪ Open Space and Recreation 2 (OSR2)</li> </ul>
<b>Residential (R)</b>	<ul style="list-style-type: none"> <li>▪ Residential 1 (R1)</li> <li>▪ Residential 2 (R2)</li> <li>▪ Residential 3 (R3)</li> <li>▪ Residential 4 (R4)</li> </ul>
<b>Residential/Transit (R/T)</b>	<ul style="list-style-type: none"> <li>▪ Residential 2/Transit (R2/T)</li> <li>▪ Residential 3/Transit (R3/T)</li> <li>▪ Residential 4/Transit (R4/T)</li> </ul>



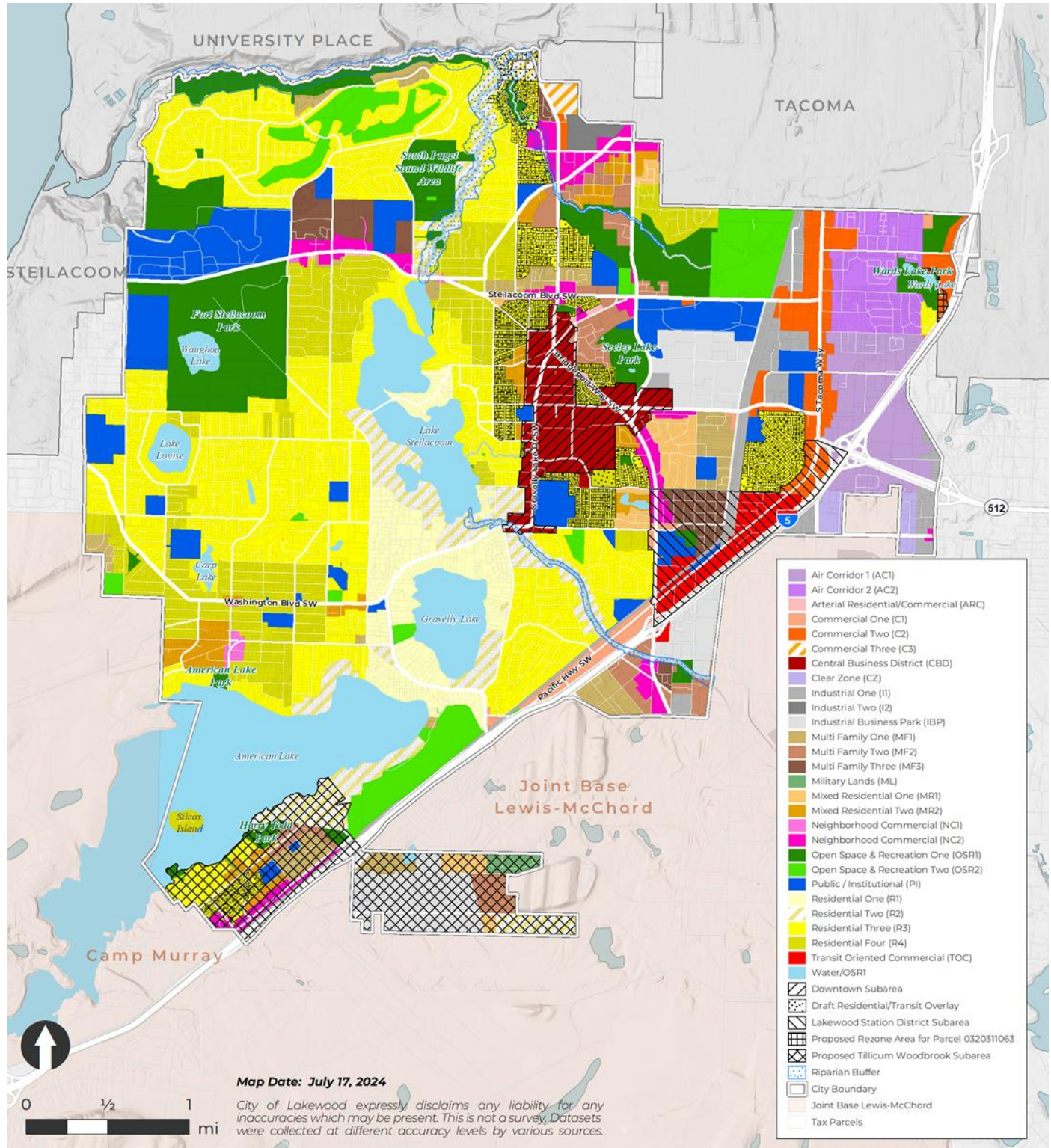
Exhibit A-2. Lakewood Land Use Designations Map.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



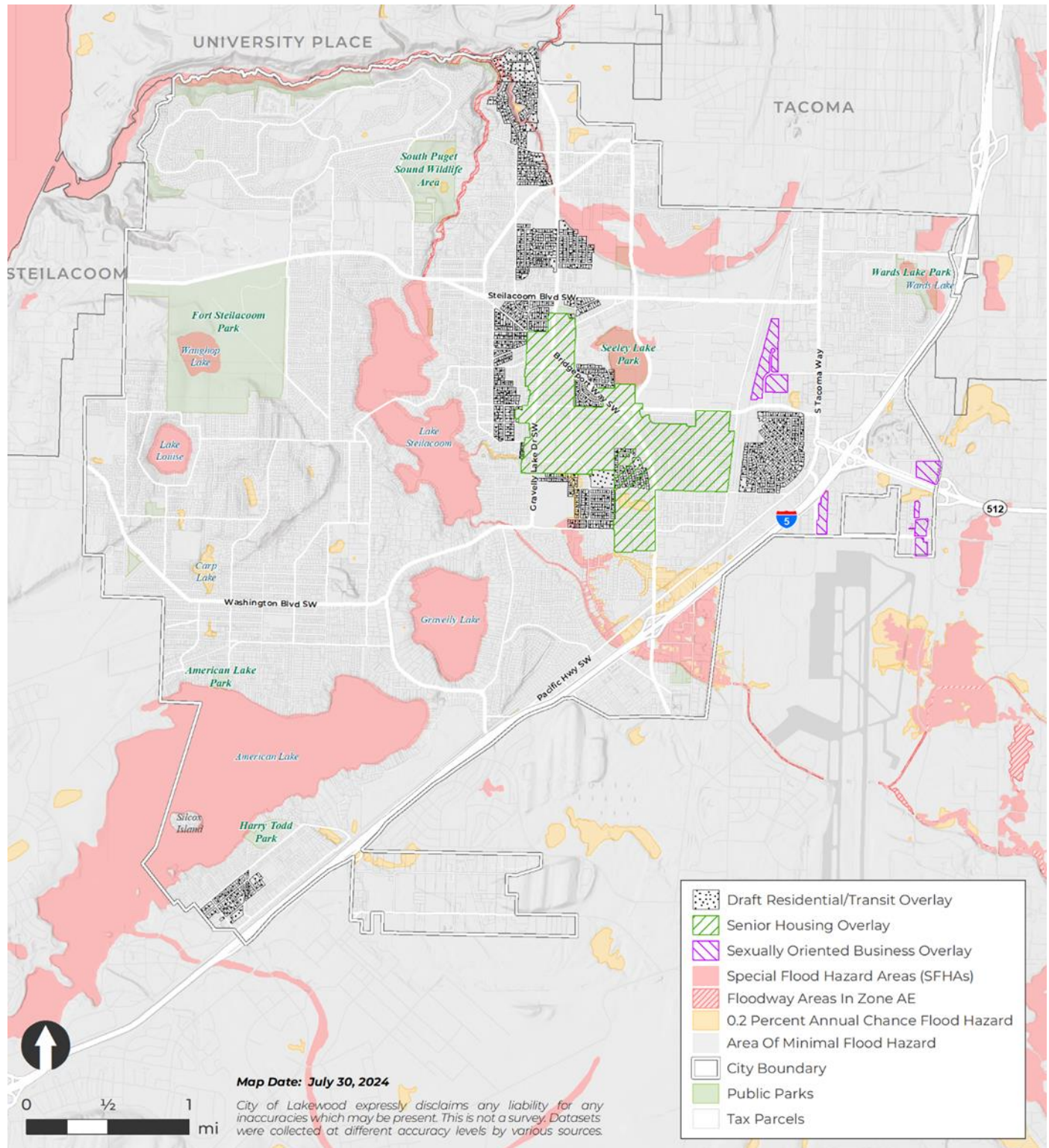
Exhibit A-3. Lakewood Zoning Map.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

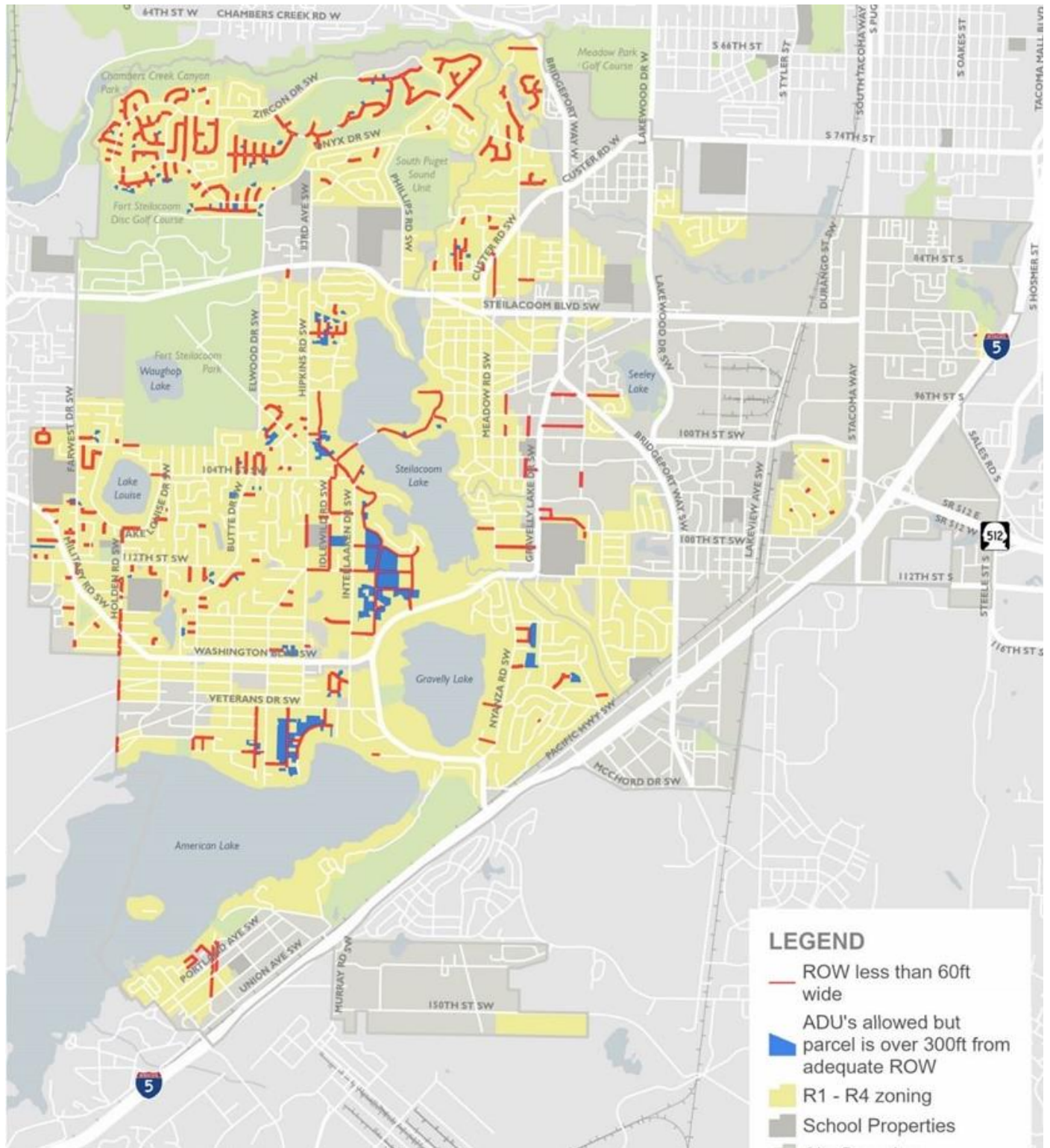


Exhibit A-4. Lakewood Overlay Map.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

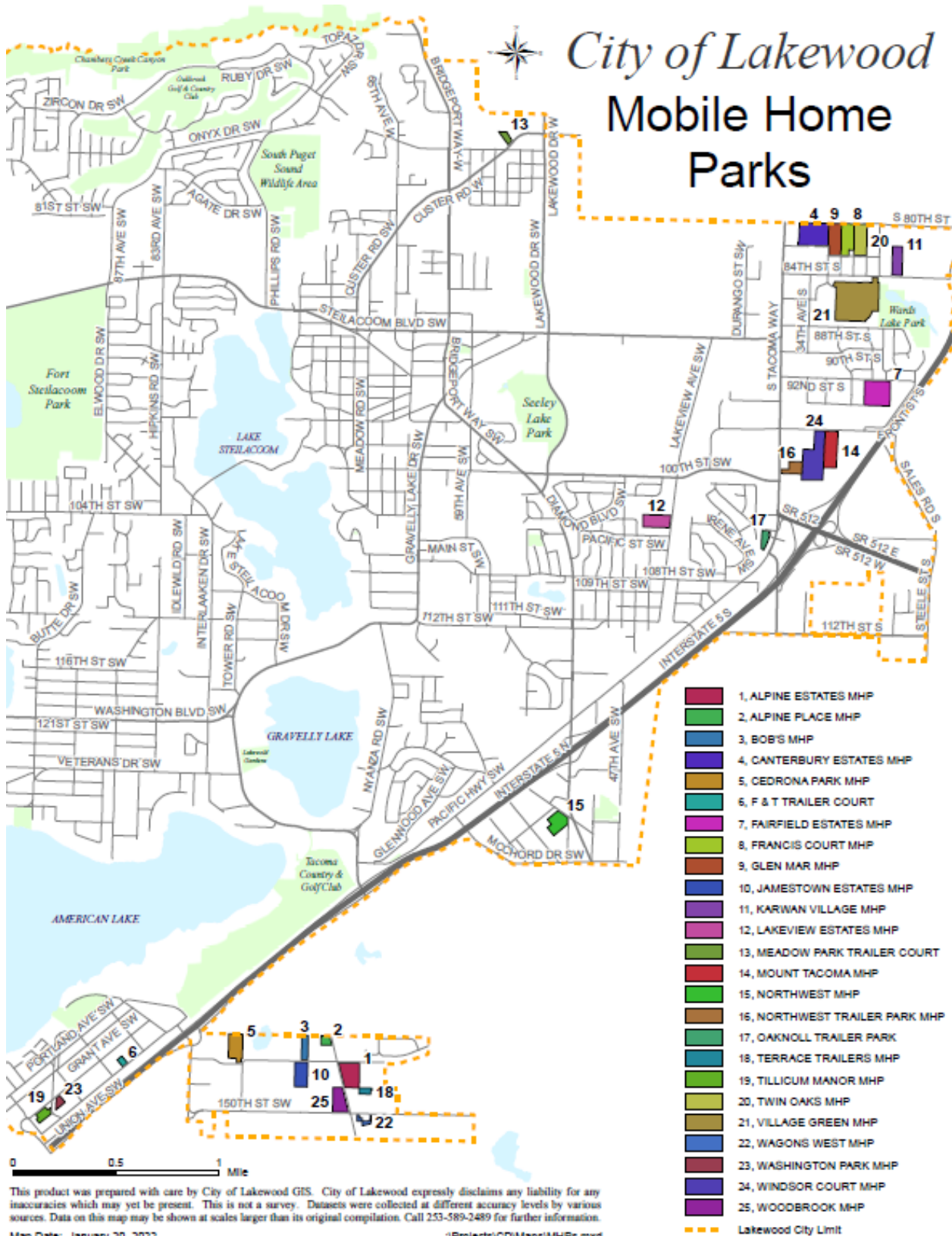
Exhibit A-5. Parcels of Concern for Significant On-Street Parking Safety Issues.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



Exhibit A-6. Lakewood Mobile Home Park Locations.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

As the 2020 Pierce County Buildable Lands Report indicates that the city can meet the targets identified for housing and employment uses to 2044, the need for extensive changes to land uses in the city is minimal. Because of this, the only major changes include the following:

- **The “Residential Estate” designation has been removed.** Under revisions to the Growth Management Act, all residential areas in the city are required to accommodate middle housing on lots in the city that are not impacted by critical areas or their buffers. This includes an increase to allow two to four units on an individual lot and legalization of six of nine types of middle housing defined in the GMA. (See [RCW 36.70A.635](#) for more details.) Because of this potential change in allowable densities, the designations themselves were aggregated with R3 and R4 zones into a single “Residential” category.
- **A “Transit” overlay designation has been added.** In addition to general increases in density, there are also identified requirements to allow up to four units per lot if a Residential lot is within 1/4 mile of a “major transit stop”, which for this requirement includes Sound Transit stations and future bus rapid transit. The Land Use Designations Map identified in Exhibit A-2 highlights where the future Transit overlay would be expected upon buildout of planned Pierce Transit BRT lines. However, the only current locations where this would apply would be around the Lakewood Sound Transit station.
- **Areas within one-half and one-quarter mile of future transit have been identified for possible reduced parking requirements.** In addition to the consideration of allowable densities, there are additional changes in requirements for on-site parking within 1/2 and 1/4 mile of major transit stops. This includes reduced parking for middle housing ([RCW 36.70A.635\(6\)\(d\)](#)), accessory dwelling units ([RCW 36.70A.681\(2\)\(a\)](#)), housing for very low-income and extremely low-income households ([RCW 36.70A.620\(1\)](#)), senior housing ([RCW 36.70A.620\(2\)](#)), and general market-rate multifamily units ([RCW 36.70A.620\(3\)](#)).



## A.3 Air Installation Compatibility

Lakewood's Air Corridor 1 and 2 land use zones, which represent about 5% of the city's total acreage, currently encompass 1,832 housing units that do not conform to the safety guidelines outlined in the Accident Potential Zones (APZ) I & II of North McChord Airfield at Joint Base Lewis McChord. According to the Department of Defense's [2015 JBLM Air Installation Compatibility Use Zone \(AICUZ\) Report](#), the residential densities in the AC1, AC2, and CZ zones greatly exceed those advised for compatibility with JBLM operations. The report highlights that, residential uses in these areas conflict with the defined accident potential. Detached single-family homes with densities of one to two units per acre may be acceptable under specific conditions in APZ II, however.

In response, Lakewood plans to transition these areas from non-conforming residential uses to low-density, non-residential uses to align with Department of Defense and FAA air safety regulations, state law, and PSRC policies. The impacted areas are identified in Exhibit A-7.

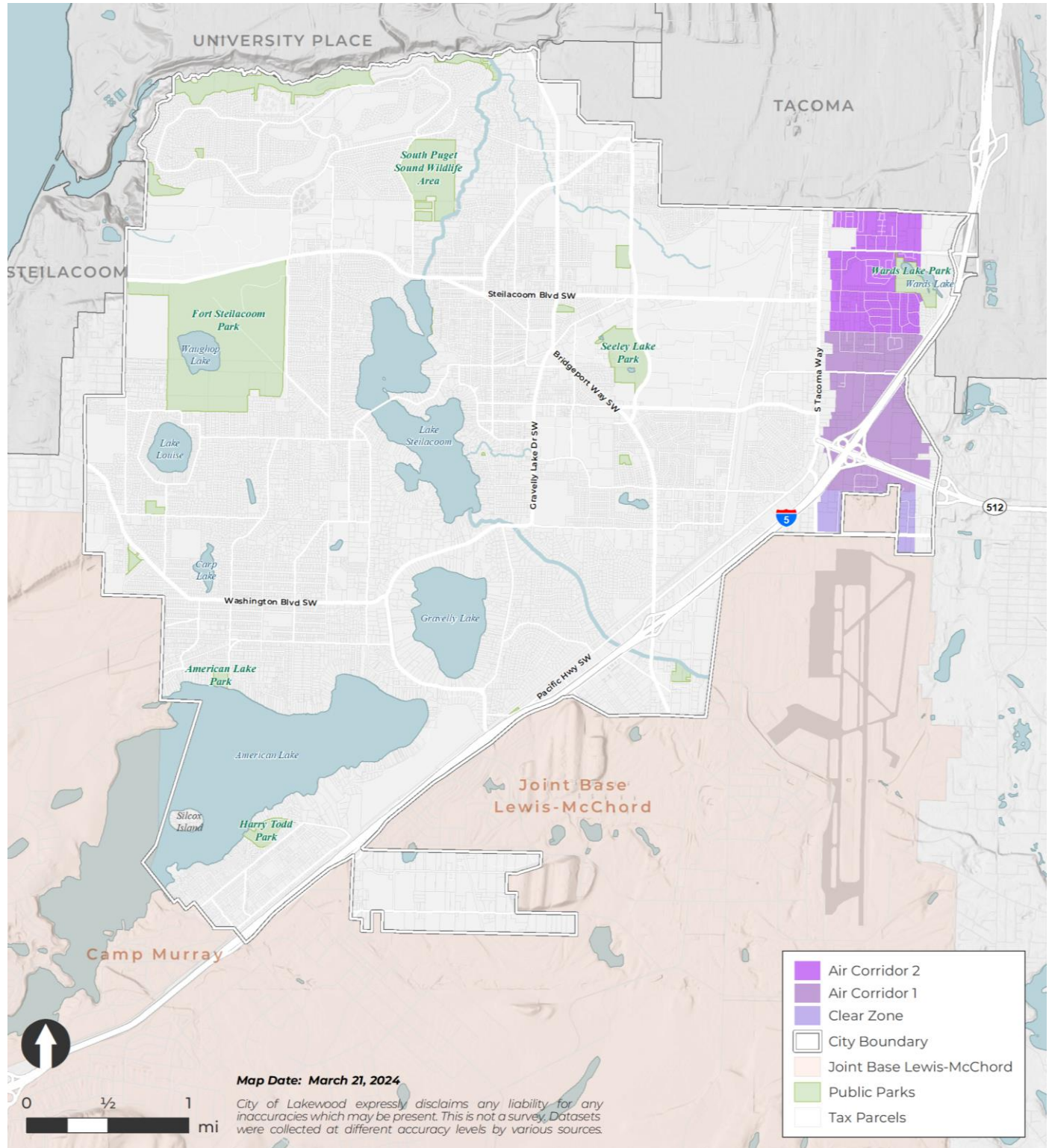
This action will involve consideration of:

- RCW [36.70A.530](#)(3), which guides against developments near military installations that could hinder their operational capabilities;
- RCW [43.330.515](#) and [520](#), which address incompatible developments around military bases; and
- [VISION 2050 Policy](#) MPP-DP-49, which aims to protect military lands from encroaching incompatible developments.

Overall, this will involve gradually relocating the 1,832 nonconforming units from the AC1, AC2, and CZ zones to other parts of Lakewood, in addition to accommodating future residential growth. Note the location of mobile home parks as noted previously under Exhibit A-6, as many of the city's most vulnerable residents and are located within the AC1 and AC2 zones.

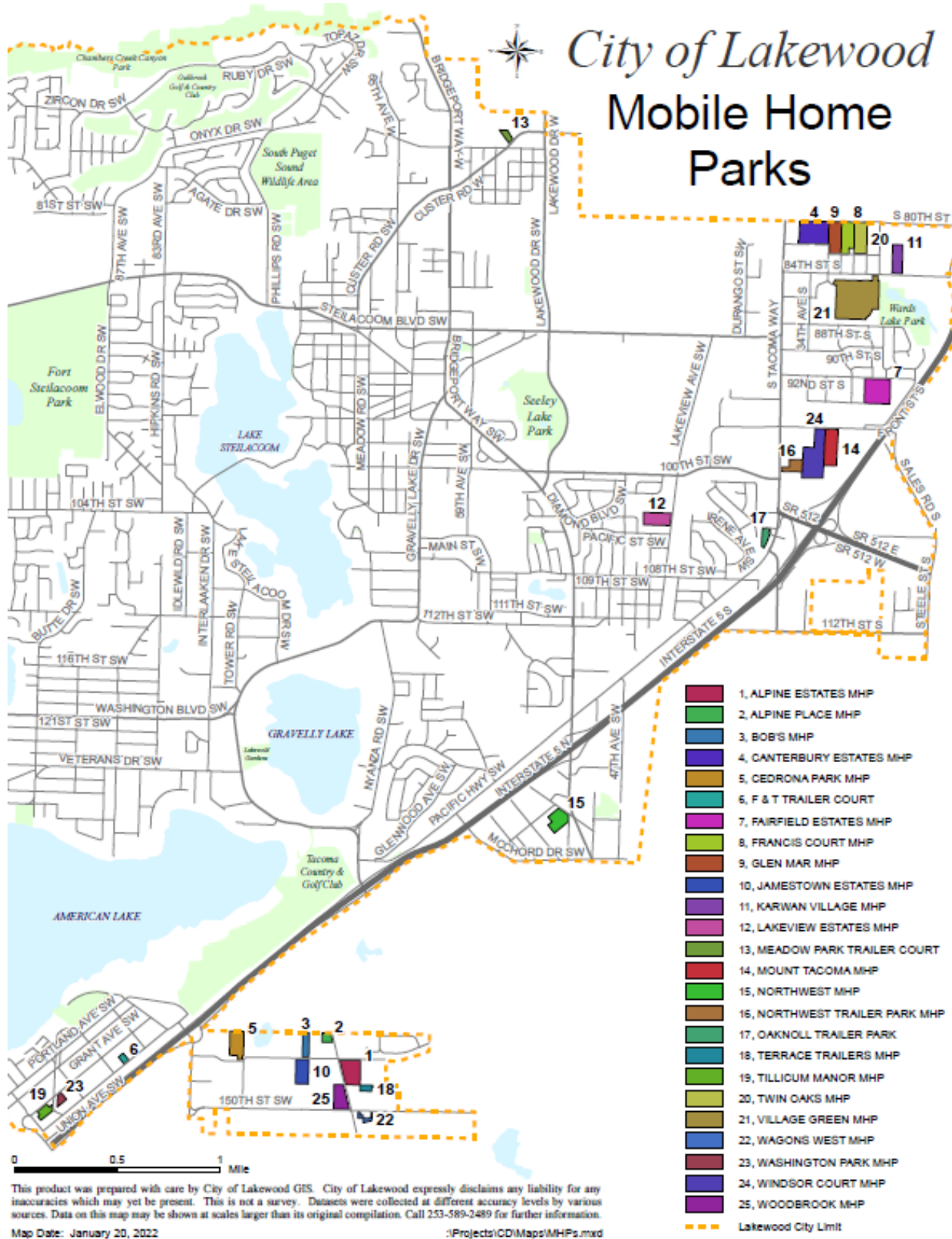
More information about military compatibility and land uses can be found in Section F (Military Compatibility).

Exhibit A-7. Lakewood Air Corridors.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

Exhibit A-8. Lakewood Mobile Home Parks.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## A.4 Growth Capacity

Land use planning is crucial for managing the future growth of Lakewood to consider community health and sustainability. The LUDM indicates the expected use of urban spaces and underlies the Comprehensive Plan overall, strategically directing growth and investment for the next 20 years.

What is essential, however, is to ensure that the Plan provides sufficient capacity to accommodate future growth. Pierce County has provided targets based on the VISION 2050 Regional Growth Strategy from the PSRC as part of Countywide Planning Policies (CPPs)<sup>1</sup>. These targets include accommodating the following growth by 2044:

- An additional 9,378 housing units;
- An additional 9,863 jobs; and
- An additional 574 emergency housing units.

Note that Section E (Housing) provides more details about the housing requirements.

An evaluation of data from the 2020 Buildable Lands Report has been used to determine the ability for Lakewood to accommodate this future growth. This was updated based on several new requirements for densification of Residential areas:

- **Base requirements:** minimum 2 units/lot on all parcels (R1-R4 zones)
- **Locations ¼-mile from a major transit stop:** minimum 4 units/lot.
- **One or more units are “affordable”:** minimum 4 units/lot.
- **Location in non-sewered areas:** minimum 2 units/lot until either the landowner or local government provides sewer service or demonstrates a sewer system will serve the development at the time of construction.
- **Accessory Dwelling Units (ADUs):** An allowance of 2 ADUs in addition to primary residence on all lots that meet the minimum lot size in each zone that allows for single-family homes (R1-R4 and ARC zones). Cities are only required to allow 1 ADU on a lot that includes a critical area or buffer.

To account for relevant changes, the buildable lands inventory has been revised as follows:

- **Recent development** since the 2020 report was completed is included in the update to determine the actual yields from new projects overall. Note that this included both residential and commercial/industrial projects in the city.
- **Changes to zoning** are also included in the analysis to revise estimates of developable capacity under city regulations.
- An analysis of available site area for **new infill development in Residential areas** was performed to determine capacity. This includes an evaluation of how much area was available on individual lots for new housing, and if it was likely that this area would be available for new infill capacity.
- Revisions to **estimates of redevelopment potential** are based on increased development yields as well as market factors consistent with the 2020 Pierce County Buildable Lands Report.

<sup>1</sup> See [Appendix A](#) of the Pierce County CPPs and County Ordinances [2022-46s](#) and [2023-22s](#).



General inputs for the model are included in Exhibit A-9 below. This table includes descriptions of the land use and expected development types, as well as the range of maximum residential and employment densities and the current size of the individual areas in acres.

**Exhibit A-9. Densities Under Future Land Use Designations**

Land Use Designation	Major Development Types Envisioned	Residential Density <sup>1</sup>		Employment Density <sup>1</sup>		Acres
		Low	High	Low	High	
<b>Residential Districts:</b>						
Residential	Single-family / middle housing	1	25	--		5,125.8
Mixed Residential	Smaller multi-unit housing	22	35	--		344.1
Multi-Family Residential	Moderate multi-unit housing		22	--		313.6
High Density Multi-Family	Larger apartment complexes	35	54	--		442.8
<b>Mixed Use Districts:</b>						
Downtown	High-density urban housing mixed with retail, office, and social land use activities	80	100	196		318.7
Neighborhood Business District	Multi-family above commercial (retail/office/services)	12	40	25		287.3
Arterial Corridor	Live/work units and lower intensity retail/service.		15	15		18.9
Air Corridor 2	Single-family housing with nominal uses that minimize public risks		2	--		235.8
<b>Non-Residential Districts:</b>						
Corridor Commercial	Employment, services, retail, and business/light industrial	--		25	196	471.5
Industrial	Regional research, manufacturing, warehousing, concentrated business/employment parks, and other major regional employment	--		15		752.5
Public/Semi-Public Institutional	Large- and moderate-scale government and institutional uses	--		20		807.2
Air Corridor 1	Minimal uses compatible with AICUZ requirements	--		--		376.2
Open Space & Recreation	Public open spaces and public/private recreational uses	--		--		1945.3
Military Lands	Federal and state-owned military lands	--		--		25.0
<b>Total designated area</b>						<b>11,464.4</b>
<b>Excluded: Water &amp; ROW</b>						<b>1172.1</b>
<b>TOTAL:</b>						<b>12,636.5</b>

<sup>1</sup> As expressed in the Comprehensive Plan for new development; existing densities are unlikely to match and may already exceed maximums in some cases.

Note that residential density changes have been provided here for the Residential land use area, but the Mixed Residential area has also been increased. This is due in large part to the fact that increases in effective densities across the Residential area and individual zoning districts up to R-4 would be greater than the previous allowable densities for these areas.

Based on this analysis, Exhibit A-10 provides a comparison between the growth necessary to achieve targets under the current CPPs and the assessed capacity to meet these growth demands under the developed capacity model. Based on the assumptions of the assessment, the current growth capacity under the LUDM will be sufficient to accommodate both residential and employment growth in the city over the next 20 years. There is also sufficient capacity to provide flexibility in accommodating the shape of future growth, such as preferences for development in certain areas of the city or for certain types of housing.

**Exhibit A-10. Lakewood Growth Targets and Capacity, 2020–2044.**

	2020 Conditions	2044 Targets	Expected Growth 2020-2044	Growth Capacity
<b>Population</b>	63,612	86,792	+23,180	40,922*
<b>Jobs</b>	29,872	39,735	+9,863	15,238
<b>Housing</b>	26,999	36,377	+9,378	17,488
<b>Emergency Housing</b>	8	582	+574	**

\* Housing capacity calculations assume 2.34 persons per household.

\*\* Assessments indicate sufficient sites are available for emergency housing.

Sources: Pierce County, 2023; US Census Quick Facts, 2023.

More details about the capacity analysis specific to housing area included in Section E (Housing).

## A.5 Planning Areas

### A.5.1 Subarea Planning

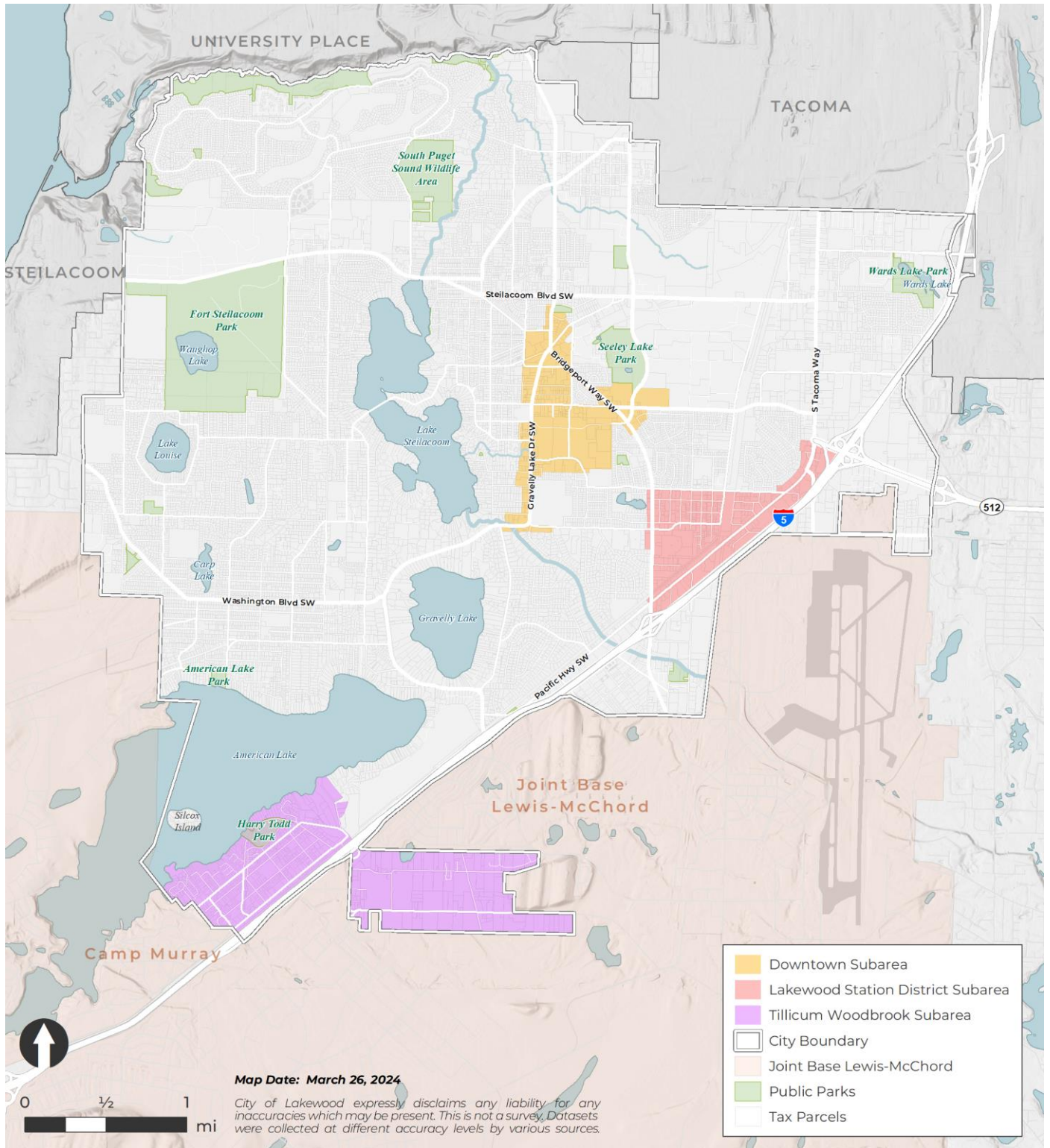
As of 2024, Lakewood has adopted three (3) subareas as authorized under [RCW 36.70A.080\(2\)](#):

- **Downtown** (adopted 2018)
- **Station District** (adopted 2021)
- **Tillicum-Woodbrook** (adopted 2011; updated 2024)

Boundaries for these subareas are included in Exhibit A-11. Associated information about these subareas is discussed in more detail in the individual Subarea Plans, which are incorporated into the Comprehensive Plan.



Exhibit A-11. Lakewood Subareas Map.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

## A.5.2 Regional Urban Growth Center

The Puget Sound Regional Council (PSRC) Regional Growth Strategy and Multicounty Planning Policies (MPPs) included in VISION 2050 calls for the creation of central places with a mix of uses and activities connected by efficient transportation. Centers are the hallmark of VISION 2050 and the Regional Growth Strategy. They guide regional growth allocations, advance local planning, inform transit service planning, and represent priority areas for PSRC's federal transportation funding.

As a PSRC “core city”, Lakewood has a designated Regional Urban Growth Center with borders coterminous with the 2018 Downtown Subarea. This area is shown in Exhibit A-12. The center was successfully reviewed by PSRC in 2016 for consistency with VISION 2040 and the MPPs; it will be reviewed again under the updated PSRC Regional Centers Framework in 2025.

The Pierce County Countywide Planning Policies (CPPs) also contain direction regarding Centers; Lakewood's Regional Urban Growth Center will be reviewed over time against these CPPs as well to maintain consistency.

## A.5.3 Centers of Municipal Importance (CoMIs)

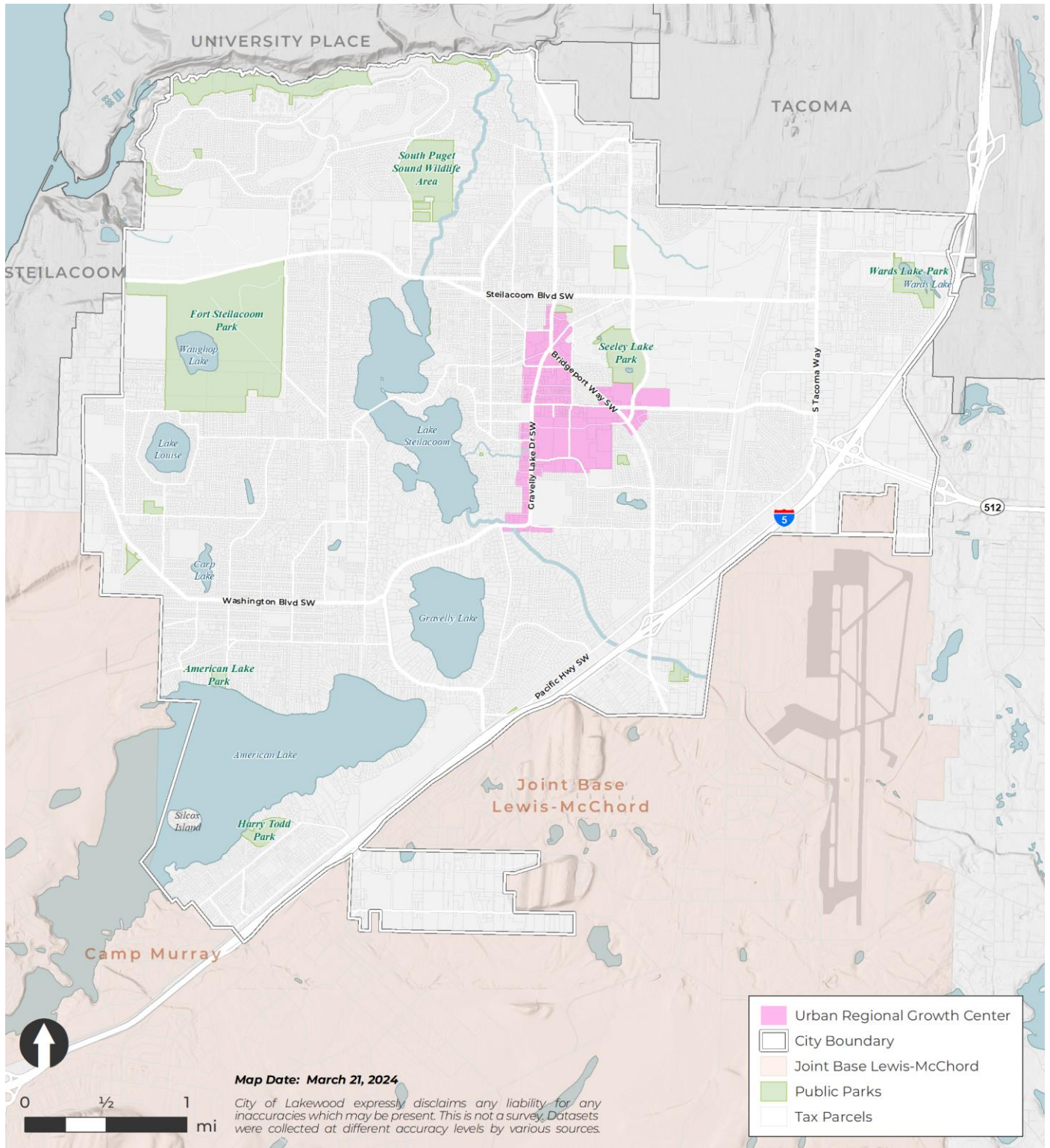
Centers of Municipal Importance (CoMI) are designated for the purpose of identifying local centers and activity nodes that are consistent with the PSRC MPPs. Such areas promote compact, pedestrian-oriented development with a mix of uses, proximity to diverse services, and a variety of appropriate housing options, or are in an established industrial area. CoMIs are designated by the local jurisdiction, and approval by Pierce County, the Pierce County Regional Committee (PCRC), or other state or regional organization is not required.

In 2019, per Pierce County Resolution 2019-070s, the Pierce County Countywide Planning Policies (CPPs) were updated to reflect the Regional Centers Framework that incorporated new policies regarding Centers of Local Importance (CoLIs.) Lakewood ratified these changes per City Resolution 2020-03. County Planning Policy C-29 states in part that “CoLIs may only be located in a town or city without a Countywide or Regional Center located in Pierce County.”

As a result of Policy C-29, the City of Lakewood redesignated its eight (8) local centers from CoLIs to “Centers of Municipal Importance”, or “CoMIs”. These CoMIs, shown in Exhibit A-13, are not intended to be designated in the future as Countywide or Regional Centers, but instead reflect Lakewood's focus areas for preservation, resource investment and/or economic development.

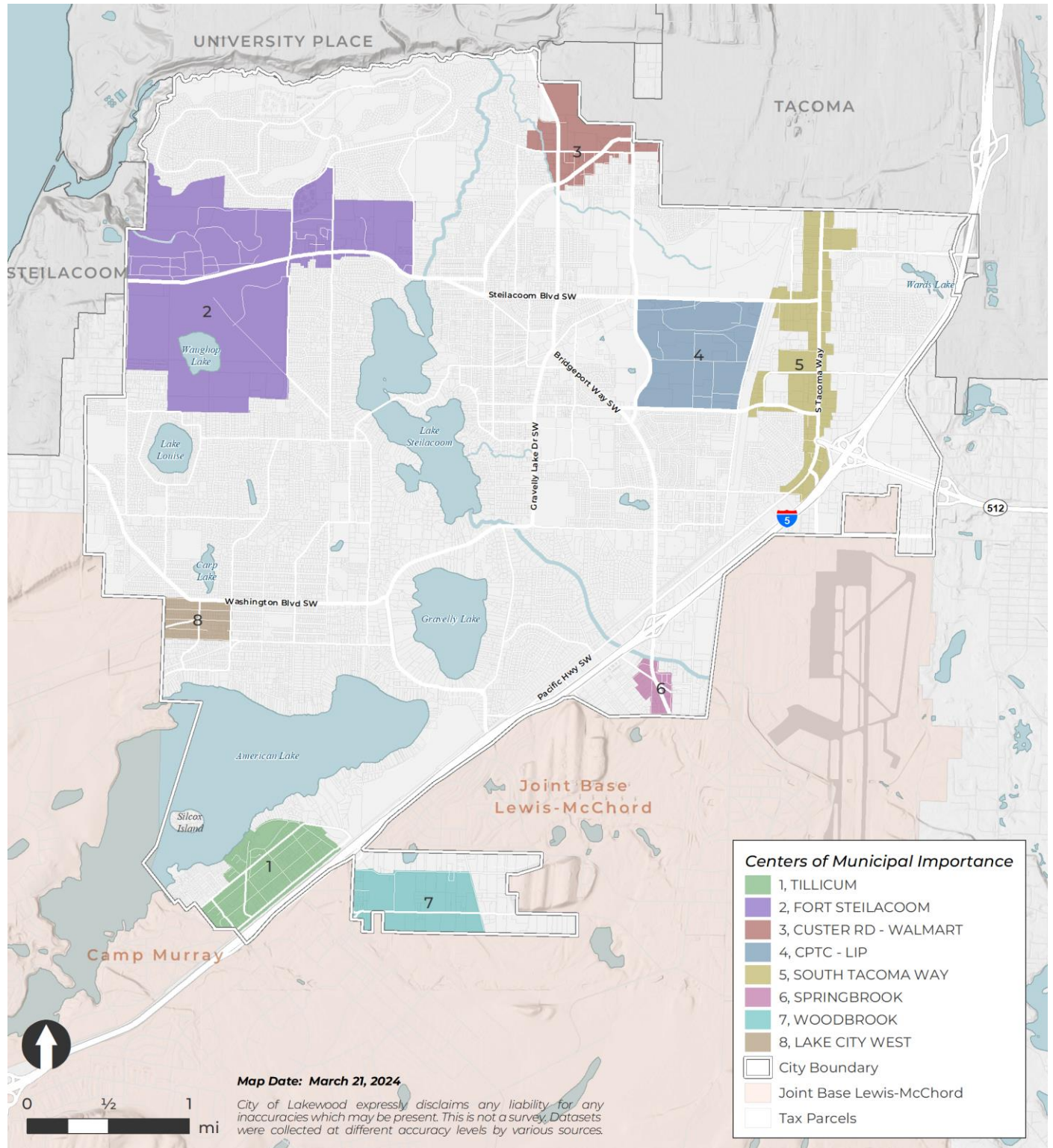


Exhibit A-12. Lakewood Regional Urban Growth Center Map.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

**Exhibit A-13. Lakewood Centers of Municipal Importance (CoMIs).**



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



## Tillicum CoMI

The Tillicum neighborhood was designated as a CoLI in 2014 based on its characteristics as a compact, walkable community with its own unique identity and character. The area is located just outside the main gates of both Joint Base Lewis-McChord (JBLM) and Camp Murray National Guard Base (“Camp Murray”). The area is geographically isolated from the rest of Lakewood; the only practical access to the area is provided by I-5. This center provides a sense of place, serves as a gathering point for both neighborhood residents and the larger region, provides resources for Camp Murray and JBLM, and allows access to American Lake.

The Tillicum area includes:

- **Civic services** including the Tillicum Community Center, Tillicum Elementary School, a fire station, JBLM and Camp Murray, the Tillicum Youth and Family Center, and several veterans service providers;
- **Commercial properties** along Union Ave. SW that serve highway traffic from I-5, personnel from JBLM and Camp Murray, and residents;
- **Recreational facilities** including Harry Todd Park, Bills Boathouse Marina, the Commencement Bay Rowing Club, and a WDFW boat launch facility that attracts boaters from around the region.
- **Historic resources**, including Thornewood Castle. Much of the area was developed between 1908 and the 1940s. The street pattern around Harry Todd Park reflects the alignment of a trolley line that served the area in the early 1900’s; and
- Approximately 62 acres partially developed with, and zoned for, **multi-family residential uses**.

## Fort Steilacoom/Oakbrook CoMI

The Fort Steilacoom/Oakbrook area is being designated as a CoMI based on its characteristics as a discrete area providing resources of both local and statewide importance. Fort Steilacoom was one of earliest outposts of European settlement in the Northwest. The Fort was later expanded and converted to Western State Hospital (WSH.) The hospital currently serves approximately 800 patients and employs approximately 1,850 staff.

Pierce College was developed on approximately 75 acres of surplus hospital property beginning in 1967. The remaining hospital farmland south of Steilacoom Boulevard became Fort Steilacoom Park in the late 1970s. The designated CoMI area includes Western State Hospital, the Pierce College campus, Fort Steilacoom Park, and commercial and multi-family residential development immediately adjacent to the east.

The designated CoMI includes:

- **Civic services**, including Western State Hospital, the Oakbrook Fire Station, Pierce College, Custer Elementary and Hudtloff Junior High Schools, commercial areas, recreational areas, cultural facilities and activities, historic buildings and sites, and residential areas;
- **Commercial services** in the Oakbrook and Thunderbird Plaza shopping centers;
- **Recreational resources** in Fort Steilacoom Park including Waughop Lake and the Fort Steilacoom Golf Course;

- **Cultural and historic resources** in the Western State Hospital and Fort Steilacoom buildings and the Fort Steilacoom History Museum; and
- **Residential resources** in the multi-family residential areas north of the Oakbrook and Thunderbird Plaza commercial areas.

Further development at WSH and Pierce College is guided by master plan documents developed for each entity and implemented through discretionary land use permits (administrative use permits and conditional use permits) issued by the city. Fort Steilacoom Park is managed through the city's Parks Legacy Plan, which is discussed within and included as an appendix to the Parks, Recreation and Open Space element of the Comprehensive Plan.

## Custer Road/Walmart CoMI

The Custer Road/Walmart area is designated as a CoMI based on its emerging status as a significant urban node of the city. The area is bound by Flett Creek to the west, the Flett Wetlands to the south, Leach Creek and Meadowpark Golf Course to the north, and the city boundary/Calvary Cemetery and Mount Tahoma High School to the east. Custer Road is a Principal Arterial street supporting numerous retail facilities and restaurants. The designated center area includes:

- Important **commercial resources** including a Wal-Mart Superstore, H and L Produce and a variety of resident-serving commercial uses along Custer Road through this area;
- **Industrial facilities** (Mutual Materials and Sound Glass);
- **Residential resources** in the underdeveloped areas south of Custer Road which are zoned for multifamily and mixed residential uses.

## Lakewood Industrial Park/ CPTC CoMI

The Lakewood Industrial Park/Clover Park Technical College (LIP/CPTC) area is designated as a CoMI based on its status as an intense industrial and educational activity hub for the city. The designated Center area includes:

- **Civic services:** CPTC has an average enrollment of approximately 3,400 students and employs approximately 475 faculty. The CoMI area also includes the Lakewood YMCA, the Lakewood Police Department Headquarters, a fire station, the Clover Park School District Auxiliary Services Center, and the newly constructed Harrison Preparatory Academy serving approximately 1,450 K-12 students.
- **Industrial areas:** The Lakewood Industrial Park is located on 170 acres and supports 64 businesses with 1,250 employees. The delineated area also includes a Lowe's Home Improvement Center on 100th Street SW. The Lakewood Industrial Park has access to the Sound Transit railroad right-of-way along Lakeview Drive SW.

Development in the Lakewood Industrial Park and Clover Park Technical College is guided by master plans adopted for both facilities.



## South Tacoma Way CoMI

The South Tacoma Way CoMI is designated based on its commercial significance to the city. Prior to the construction of I-5 in the late 1950's, South Tacoma Way was part of State Route 99, the primary north-south highway through the Puget Sound region. The South Tacoma Way area is now the city's most prolific commercial area and home to a nascent "International District". The area supports the Star-Lite Swap Meet, the B&I marketplace, the Paldo World commercial center, Pierce Transit headquarters, the Grand Central and Macau casinos, and many other commercial centers and businesses.

## Springbrook CoMI

The area just outside the gate to JBLM on Bridgeport Way SW is designated as a CoMI based on its importance to the city and special status as a compact high-density residential area. The area includes the main access gate to the airfield portion of JBLM. The area currently includes Springbrook Park, Center Force Industries, neighborhood commercial uses, and approximately 100 acres of multi-family residential zoning currently developed with approximately 1,565 multi-family dwelling units. A new water line has recently been extended to the area which will help accommodate additional growth. This CoMI was not affected by the 2020 rezoning of several Springbrook parcels to Industrial Business Park.

## Woodbrook CoMI

The central Woodbrook area is designated as a CoMI based on its emergence as an important industrial node. Approximately 170 acres have been zoned for industrial uses. Sewers have been extended and roadway improvements have been made to accommodate redevelopment of the area with industrial uses and to facilitate traffic using the JBLM Logistics gate at the end of Murray Road SW. Additional improvements are planned. One 45,000 sq. ft. industrial building has been constructed, and approximately 700,000 square feet of additional industrial space has been approved for development.

The city adopted the Woodbrook Business Park Development Report in July 2009, which analyzes development issues and makes recommendations regarding redevelopment of the area with industrial uses.

## Lake City West CoMI

The area just outside the North Gate Road at JBLM has emerged as a major traffic corridor with the expansion of North Gate on JBLM. This Center is delineated in Figure 2.11. A major expansion of North Gate has occurred with hundreds of new low- and medium-density single family residences, two new elementary schools, and military barracks serving military personnel and their families. North Gate has also expanded to include new military industrial warehousing. Consequently, these land use changes have modified the city's street classification system and impacted existing residential neighborhoods. Traffic currently moves from North Gate to Lake City West, and then to Washington Boulevard SW, which operates at a designated Level of Service rating of "F."

## A.5.4 Urban Growth Areas (UGAs) and Potential Annexation Areas (PAAs)

The adopted UGA boundaries represent Lakewood's future city limits. These boundaries were established by Pierce County in 1998 and have not changed. Lakewood's current UGAs are described in Exhibit A-14. The UGA boundaries show the extent to which the city can expand over the next 20 years. Under the GMA, jurisdictions may not annex additional area into their corporate limits unless it falls within their UGAs and can be provided with urban levels of service for public services and facilities such as police, water, and sewer. In some cases, urban-type services may already exist in these areas and can be coordinated with existing city services.

The UGA currently includes Camp Murray, which is part of the Washington Military Department, and the urban areas of Joint Base Lewis McChord, and an unincorporated island, known as Arrowhead-Partridge Glen, which is located between the City of Lakewood and the Town of Steilacoom.

### Camp Murray

In 2012, Lakewood examined the advantages and disadvantages of annexing Camp Murray into Lakewood. This action came about because of Camp Murray approving a master site development plan which included a proposal to relocate their main gate from Union Avenue SW to Portland Avenue SW.

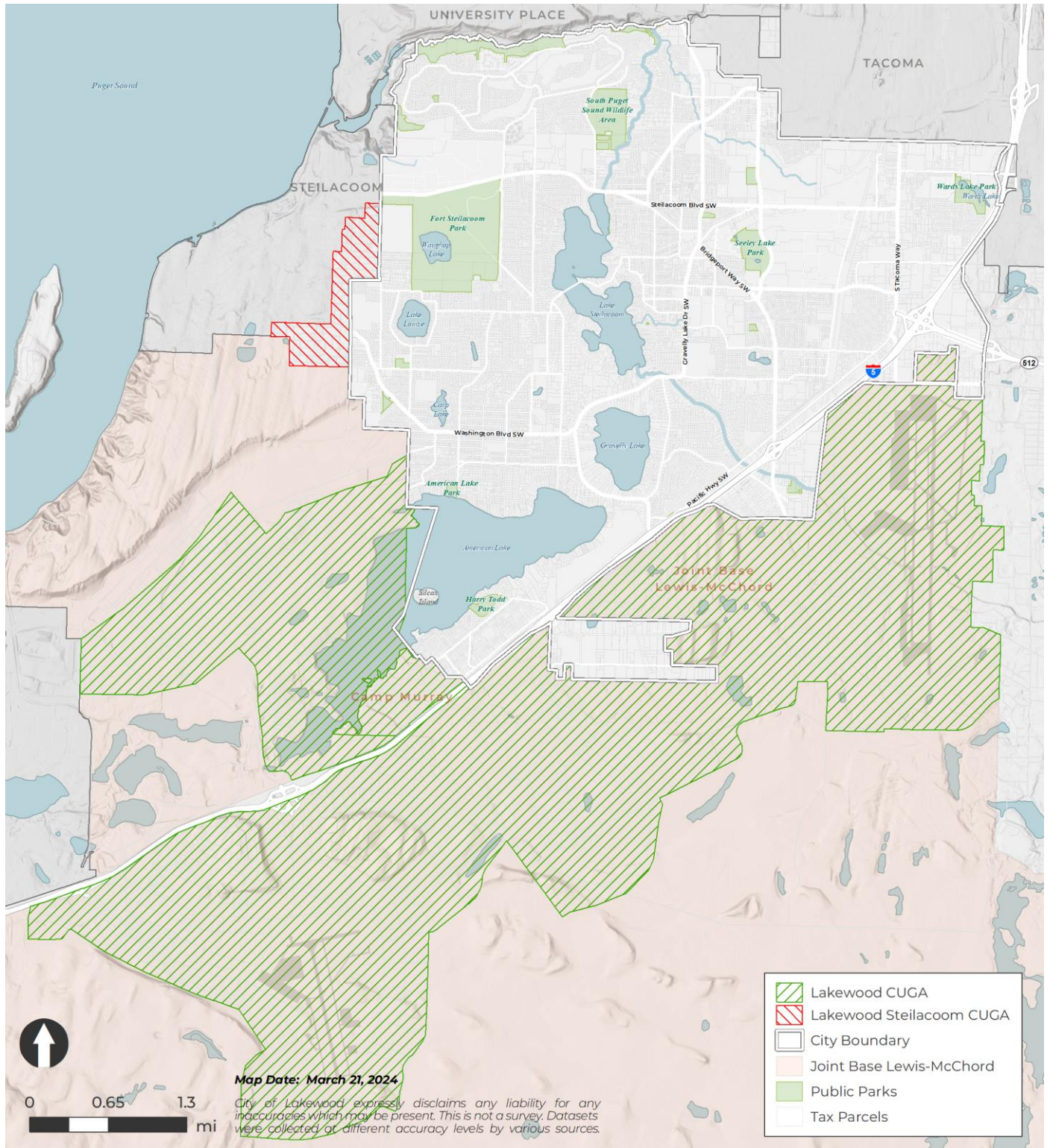
Lakewood's existing corporate limits about the northerly Camp Murray boundary. Lakewood's Tillicum neighborhood is located to the north and northwest of Camp Murray. To the south lies federal land within the secure Joint Base Lewis McChord (JBLM) boundary. To the east and west, respectively, Camp Murray is bounded by the "hard boundaries" of I-5 and American Lake.

Camp Murray is owned by Washington State. There are no residential uses located onsite. Developed areas encompass about 52% of the installation. The built environment provides statewide wheeled vehicle support, storage buildings, administrative offices, classrooms, a heliport, and a drill field. There are 88 buildings on Camp Murray, about a third of which are over 50 years old. Water and sewer facilities are provided by Joint Base Lewis McChord (JBLM).

Recreational amenities include a physical training course, campground, and a boat launch. The remaining portions of the installation consist of undeveloped forest, wetlands, shoreline, and riparian areas.

The Washington State Emergency Operations Center is located on Camp Murray, which aids local emergency responders in coordinating search and rescue operations, wildfire mobilization, environmental responses, and other emergencies.

Exhibit A-14. Lakewood Urban Growth Area and Potential Annexation Areas.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



The annexation of Camp Murray has proven to be infeasible given its unique nature. It was concluded that state enabling legislation would be required to annex Camp Murray. However, that is not to suggest that Camp Murray should not be within Lakewood's UGA. Both Lakewood and Camp Murray have shared interests. Primary ingress/egress into Camp Murray is through the city. Road improvements have been made in Lakewood to improve access to Camp Murray. Both the city and Camp Murray are located on the shores of American Lake. A boat launch and an enclosed boat storage facility housing fire district and police boats straddle current boundaries.

## **Joint Base Lewis McChord (JBLM)**

JBLM's cantonment area is located within Lakewood's UGA and is shown in Figures 2.14 and 2.15. The cantonment area refers to those areas of land that are designated for urban- scale development both existing and proposed. It includes residential, commercial, industrial, and military related uses. Over the past 10 years, JBLM has experienced significant development activity; that activity has been entirely confined to the cantonment area to maximize and preserve existing military training areas and in some cases to preserve wildlife habitat.

In 2003, the total base population was 27,982. By 2010, the population had increased to 59,980 and is currently projected at 58,133 by 2016. JBLM has 23,000,000 square feet of facilities. There are 4,901 family housing units on JBLM in 22 different communities. An additional 637 family housing units are planned.

JBLM provides water and sewer utilities. The installation maintains 11,779 permanent party barracks/dorm spaces; 2,488 of those spaces have been constructed since 2010. JBLM has recently constructed 408 Wounded Warriors barracks units. An additional 736 barracks units have been approved. Many of the barracks units are being constructed to replace spaces in aging gang latrine barracks constructed in the 1950's. The new construction will not add to the overall barracks inventory.

Six elementary schools are located on base. There is an existing prison and two airfields. JBLM maintains 278 miles of streets, a 3.3-million-gallon water treatment plant, and a 4-million-gallon wastewater treatment facility. The Madigan Army Medical Center is a part of JBLM. It is located on 120 acres and is the second largest treatment facility in the US Army.

JBLM has created its own master plan with design principles to preserve rangeland and airfield space, construct mixed-use buildings, create car parks, and establish a Town Square.

## **Arrowhead-Partridge Glen PAA**

In 2013, Lakewood considered annexation of Arrowhead-Partridge Glen. An annexation report was prepared. Physically, this area comprises 256 acres, a largely single-family, built-out neighborhood with an estimated population of 2,444. The area is within the identified Pierce County urban growth area boundary and can be annexed by either Lakewood or the Town of Steilacoom. Three past annexations attempts, one to the Town of Steilacoom, and two to the City of Lakewood, all have failed by narrow margins.

The annexation report concluded that like most cities, Lakewood continues to operate in a challenging fiscal environment. The effect of the recent recession has been twofold; not only has it impacted tax

revenues reliant on new development and consumer spending (i.e. sales tax revenue), it has also exposed a structural revenue problem put in place by the passage of I- 747, which limited property tax levy growth to one percent a year. Combined, the reduction in overall tax collections and the limitation on property tax highlights the city's current fiscal challenge where the cost of municipal services is growing faster than its tax and fee revenues. The challenge for the city is to maintain adequate levels of service without changing tax and fee policies. Regardless of annexation, the city will have to continue to take steps to bring revenues and costs in line in the form of a balanced budget.

The revenue that could be expected to accrue to the city resulting from annexation would be sufficient to cover the city's incremental operating costs associated with adding the annexation population. However, given the city's current fiscal situation, it is not clear whether annexation would be sustainable in the long term.

Anticipated annexation revenue would only partially contribute toward Public Works costs for existing road needs (Military Road) and future chip sealing. It is possible these costs could be offset by the addition of TBD revenue in the future, but at this time it is not possible to evaluate whether that revenue would be sufficient to cover these costs, together with what would be additional capital costs attributable to the area over time.

# B Capital Facilities and Essential Public Facilities

## B.1 Introduction

Upon its incorporation, Lakewood's urban services (water, sewer, and power, and emergency services) remained independent of the city, being provided by special districts, other jurisdictions, or private companies. Lakewood did form its own police department in 2004.

This element contains goals and policies for both capital facilities and essential public facilities and describes the city's relationship to external urban service and utility providers. It also directs Lakewood's management and financing of capital improvements for the facilities and utilities it owns and operates.

In addition to this element, planning and programming for transportation and parks (the two largest components of city spending on capital facilities) are also guided by the Transportation Element; the Parks, Recreation & Open Space Element; and the Parks Legacy Plan.

## B.2 Capital Facilities

Utilities and services in Lakewood are provided by the city, other jurisdictions, special districts, and private companies. The responsibilities of these providers are described below in terms of four (4) types of service.

The **Type 1** services and utilities shown below are provided directly to the resident by the City of Lakewood or a city-contracted provider.



**Exhibit B-1. Type 1 Service/Utility Providers.**

Service / Utility	City Regulatory Authority	Planning Responsibility	Funding Responsibility	Who Sets LOS?	Project Review
<b>City Facilities</b>	total	city	city	city	city
<b>Parks &amp; Recreation</b>	total	city	city	city	city
<b>Transportation</b>	total	city	city	city	city
<b>Stormwater Management</b>	total	city	city	city	city
<b>Solid Waste</b>	total	provider	provider	city	provider
<b>Police</b>	total	city	city	city	city

**Type 2** services shown below are provided directly to the resident by a special district with independent taxing and regulatory authority. The city has land-use regulatory authority; thus, the provider must coordinate with the city for the provision of the services to support development and administration of the Comprehensive Plan.

**Exhibit B-2. Type 2 Service/Utility Providers.**

Service / Utility	Agency	City Regulatory Authority	Planning Responsibility	Funding Responsibility	Who Sets LOS?	Project Review
<b>Public Schools</b>	Clover Park School District	land use	provider	provider	provider	provider
<b>Fire &amp; Medical</b>	West Pierce Fire & Rescue (WPFR)	land use	provider	provider	provider	provider
<b>Libraries</b>	Pierce County Library District	land use	provider	provider	provider	provider
<b>Transit</b>	Pierce Transit and Sound Transit	land use	provider	provider	provider	provider

**Type 3** services shown below are utilities provided directly to the resident by a special district, county, or company. The city has land-use, right-of-way (ROW), and franchise regulatory authority; thus, the districts, county, and private companies must provide the service or utility to support development and administration of this Plan. The city may also require additional considerations from the provider for use of the city right-of-way. Further discussion of utilities is contained in the Utilities Element.

**Exhibit B-3. Type 3 Service/Utility Providers.**

<b>Service / Utility</b>	<b>Agency</b>	<b>City Regulatory Authority</b>	<b>Planning Responsibility</b>	<b>Funding Responsibility</b>	<b>Who Sets LOS?</b>	<b>Project Review</b>
<b>Sanitary Sewer</b>	Pierce County Public Works	land use, ROW/ franchise	joint	provider	joint	provider
<b>Water</b>	Lakewood Water District, Parkland Water District	land use, ROW/ franchise	joint	provider	joint	provider
<b>Electric</b>	Tacoma Power, Puget Sound Energy, Lakeview Power	land use, ROW/ franchise	joint	provider	joint	provider / city
<b>Communi-cations</b>	Private communication s companies	land use, ROW/ franchise	joint	provider	joint	provider / city
<b>Natural Gas</b>	Puget Sound Energy	land use, ROW/ franchise	joint	provider	joint	provider

**Type 4** utilities and services are provided to federal military lands and utilities and services provided by the federal government to non-federal lands as listed below.

**Exhibit B-4. Type 4 Service/Utility Providers.**

	<b>City Regulatory Authority</b>	<b>Planning Responsibility</b>	<b>Funding Responsibility</b>	<b>Who Sets LOS?</b>	<b>Project Review</b>
<b>Federal Military Lands</b>	none	federal	federal	federal	federal NEPA
<b>Federal Utilities &amp; Services to Non-Federal Lands</b>	none	federal	provider	city	city

Note: The city retains the right of comment on federal projects through the National Environmental Policy Act (NEPA.)

The following documents contain information supplemental to the Comprehensive Plan:

- **SEPA Environmental Impact Statements (EISs).** Through the EIS process, existing capacities are documented and a forecast of future capital improvements in services and utilities is projected. Based on the EIS analysis, capacity and locational policies for each Type 1, Type 2, Type 3, and Type 4 service and utility are incorporated in the respective service, utility, transportation, and land-use chapters of this Comprehensive Plan.
- **Capital Improvement Plan (CIP).** Lakewood's 6-year Capital Facilities Capital Improvement Plan (6-year CIP) is included within several city documents focused on either parks and open space or transportation that contain:
  - Inventories of existing and proposed capital facilities;
  - Regular and special maintenance requirements;
  - Identified deficiencies in capital facilities and the actions necessary to address such deficiencies;
  - Six-year forecasts of facility needs; and
  - A six-year financing plan and budget.

The CIP lists the planned capital investments for each Type 1 (i.e., city-provided) service and utility and identifies dedicated funding sources for the projects anticipated within six years. Lakewood's CIP is procedurally modified and updated in conjunction with its budget rather than as part of the annual Comprehensive Plan amendment cycle.

- **Downtown Subarea Plan and Planned Action Ordinance.** The Downtown Subarea Plan, SEPA Environmental Impact Statement and Planned Action Ordinance (PAO) identify needed services and capital improvements, costs, and mitigation or in-lieu fees for transportation and parks. The subarea plan and associated ordinances are a source for the 6-year CIP and Transportation Improvement Program (TIP). It is anticipated that the Downtown Plan will be implemented through the CIP, TIP, and city budget processes, as well as project permit evaluation.
- **Station District Subarea Plan and Planned Action Ordinance.** The Station District Subarea Plan and Planned Action Ordinance (PAO) identify needed services and capital improvements, costs, and mitigation or in-lieu fees for transportation and parks. The subarea plan and associated ordinances are a source for the 6-year CIP and Transportation Improvement Program (TIP). It is anticipated that the Station District Plan will be implemented through the CIP, TIP, and city budget processes, as well as project permit evaluation.

Type 2, 3, and 4 service and utility capital inventories and investments are included in separate documents provided by the respective external providers and incorporated hereto by reference. Planning and programming for utilities and facilities/services owned by third parties is typically the responsibility of these providers.

As required by the GMA, additional available information is included in the Appendix, including:

- Inventories of existing capital facilities owned by public entities;
- A forecast of needed capital facilities;
- Proposed locations and capacities of expanded or new capital facilities; and
- Long-term (six or more years) financing plans for capital facilities within projected funding capacities and identified sources of public money to finance planned capital facilities.

## B.3 Essential Public Facilities

Essential public facilities include those facilities considered difficult to site because of potential adverse impacts related to size, bulk, hazardous characteristics, noise, or public health and safety, or are part of a region or county-wide service system. These facilities can be thought of as a subset of public purpose lands, but do not necessarily include all public, semi-public, and institutional land uses.

Lakewood must identify appropriate land for essential public facilities that meets the needs of the community as defined under RCW [36.70A.200](#) and WAC [365-196-550](#), including:

- Local solid waste handling and treatment facilities;
- Landfills;
- Drop-box sites and sewage treatment facilities;
- Airports;
- State educational facilities;
- Essential state public facilities;
- Regional transportation and utility facilities;
- State and local correctional facilities; and
- In-patient facilities (including substance abuse facilities, mental health facilities, and group homes);

as well as any other state facility included on the 10-year capital plan maintained by the Washington State Office of Financial Management.

Lakewood may identify other additional public facilities that are essential to providing services to residents and without which development cannot occur that would be included under this classification. Currently, the city regulates the following uses as essential public facilities:

- Community and technical colleges, colleges, and universities;
- Correctional facilities;
- Electrical transmission lines;
- Group homes;
- In-patient facilities, including but not limited to substance abuse facilities;
- Intercity high-speed ground transportation;
- Intercity passenger rail service;
- Interstate Highway 5 (I-5);
- Mental health facilities;
- Military installations;
- Minimum security institutions;
- Secure community transition facilities;
- Solid waste transfer stations;
- Sound Transit facilities;
- Sound Transit railroad rights-of-way;

- Transit bus, train, or other high-capacity vehicle bases;
- Washington State Highway 512; and
- Work/training release facilities.

Additional essential public facilities may be identified by the city based on the following criteria:

- The facility requires a specific type of site that is scarce;
- The facility must be situated adjacent to another public facility;
- The facility is known or widely considered by the public to have substantial negative impacts, complicating its siting;
- Siting this type of facility has typically proven challenging or will likely be challenging; and/or
- There is a demand for the facility and the city is within the expected service area.

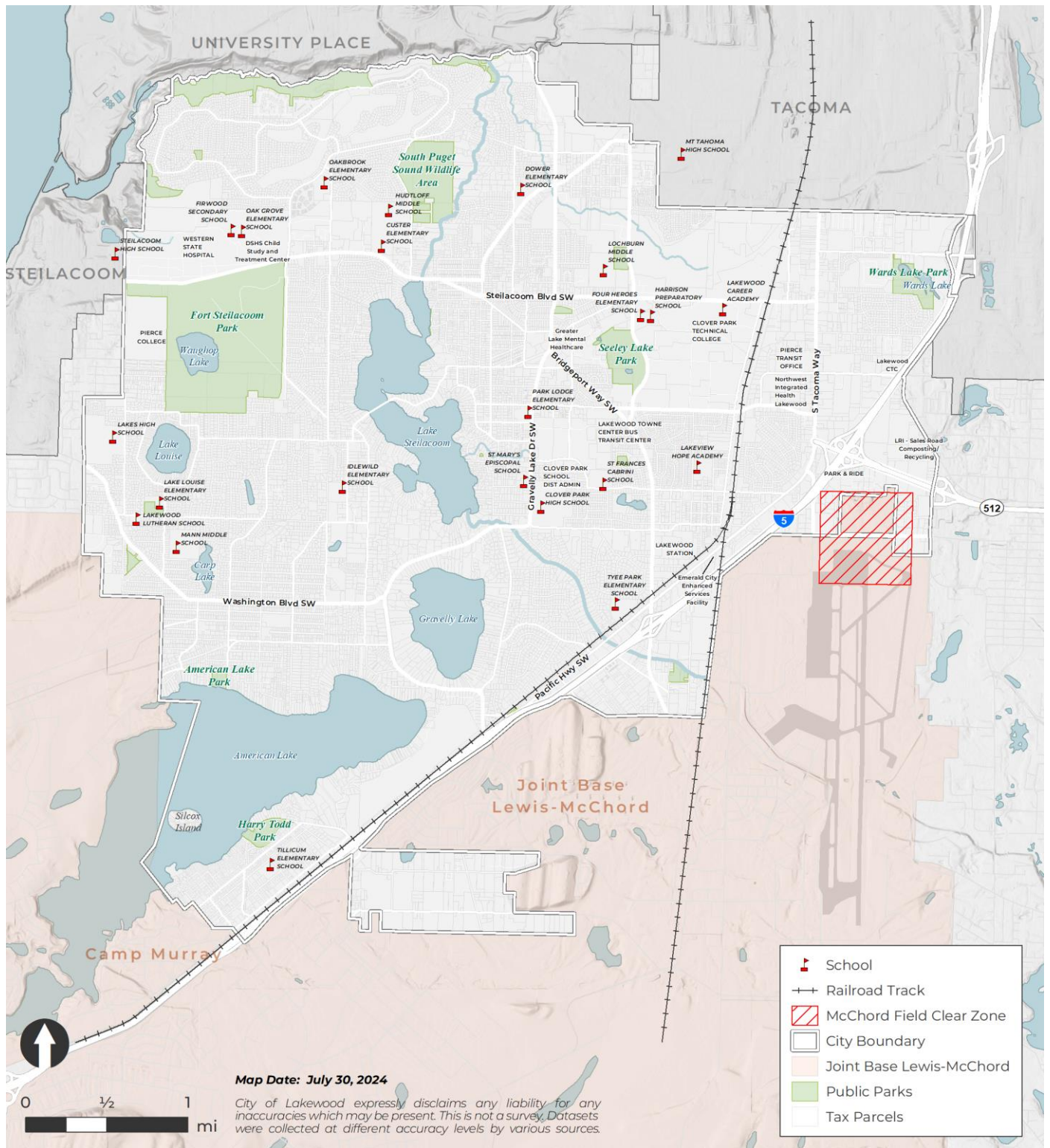
Any one or more of these conditions is sufficient for the city to deem a use as an essential public facility. Development regulations, including conditional permits, can be used to mitigate the effects of essential public facilities on neighboring land uses and the broader public.

A summary of the current essential public facilities in Lakewood is provided in Exhibit B-5. This map includes the following:

- Joint Base Lewis McChord.
- Large-scale transportation facilities, including Pierce Transit Center, Pierce Transit Headquarters, the Highway 512 Park-n-Ride, the Sound Transit Sounder Station, the BNSF railroad line, and I-5.
- State educational facilities, including Pierce College, Clover Park Technical College, Clover Park School District offices, and all K-12 schools in the city.
- Inpatient facilities, including substance abuse facilities, mental health facilities and group homes located in the city.
- Solid waste handling facilities & landfills.

This map also includes the McChord Field Clear Zone, which highlights the areas impacted by operations from McChord Field on JBLM.

Exhibit B-5. Lakewood Essential Public Facilities.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



## B.4 Concurrency

Concurrency is a key principle under the GMA. Requirements for concurrency ensure that public facilities and services are available to serve new developments. Under this policy framework, necessary improvements, particularly in transportation, are in place at the time of development or have funding secured for completion within six years of a development.

Local jurisdictions set level of service (LOS) standards to evaluate if existing infrastructure can accommodate new development impacts or if additional facilities are needed. While transportation is the only sector where development can be denied for causing a drop below the established thresholds, other public facilities like water, parks, and schools might also have concurrency requirements based on local regulations. The GMA does not typically allow for the denial of permits because of inadequacies in these other areas, unless specified as necessary under local ordinances (RCW [58.17.110](#)). This comprehensive planning approach allows cities to manage growth effectively by aligning development with infrastructure capacity, thereby sustaining community standards and quality of life as they expand.

## B.5 Level of Service Standards

Under the Capital Facilities Element, it is essential to understand whether adequate facilities are being provided to support new housing and employment within the city. Providing a common set of thresholds for Levels of Service (LOS) can ensure that infrastructure and service provisions meet these needs.

A summary of current LOS standards is provided in Exhibit B-6 below. This table reflects the major infrastructure and services provided in the city to support ongoing growth and development, and includes measures as a level of service standard, a reference for more information about these standards, and information about the provider for that specific service. This is not an exhaustive list of city infrastructure, and certain utilities and services where level of service standards would not be applicable (e.g., internet speed, telephone land line access, cellular phone coverage) have not been included in this summary.

**Exhibit B-6. Lakewood Level of Service Standards.**

Capital Facility	LOS Standard	Reference	Provider
<b>Roadways</b>	<ul style="list-style-type: none"> <li>LOS D with a V/C ratio of 0.9 for all arterials streets/intersections.</li> <li>LOS F for certain road segments and intersections specified.</li> </ul>	Comprehensive Plan Transportation Element (Chapter 12).	City of Lakewood
<b>Pedestrian/Biking Infrastructure</b>	<ul style="list-style-type: none"> <li>Assessment of Adequate facilities / High priority / Medium priority rankings related to system completeness.</li> </ul>	Comprehensive Plan Transportation Element (Chapter 12).	City of Lakewood

Capital Facility	LOS Standard	Reference	Provider
<b>Transit</b>	<ul style="list-style-type: none"> <li>Assessment of Adequate / High priority / Medium priority / No facilities rankings related to access/availability.</li> </ul>	Comprehensive Plan Transportation Element (Chapter 12).	Sound Transit, Pierce Transit (City of Lakewood – transportation connections)
<b>Parks</b>	<ul style="list-style-type: none"> <li>0.75-mile walking distance to neighborhood parks equipped with playground facilities</li> </ul>	Comprehensive Plan Parks, Recreation, and Open Space Element (Chapter 9). See also the Parks Legacy Plan for parks inventory and LOS discussion.	City of Lakewood
<b>Stormwater Management</b>	<ul style="list-style-type: none"> <li>On-site infiltration expected. Treatment as required by DOE Stormwater manual.</li> </ul>	Comprehensive Plan Utilities Element (Chapter 14); 2015 Stormwater Management Program; Chapter 12A.11 LMC.	City of Lakewood
<b>Sanitary Sewer</b>	<ul style="list-style-type: none"> <li>220 gallons per day equals one residential equivalent.</li> <li>Flow projections assume 0.83 RE for multifamily units.</li> </ul>	Comprehensive Plan Utilities Element (Chapter 14); Pierce County Consolidated Sewer Plan Section 2.6.3	Pierce County Sewer Utility
<b>Fire Protection</b>	<ul style="list-style-type: none"> <li>WA Surveying and Rating Bureau rating of Class 3 or better.</li> </ul>	Comprehensive Plan Public Services Element (Chapter 10).	West Pierce Fire and Rescue
<b>EMS</b>	<ul style="list-style-type: none"> <li>4-minute initial time standard for EMS calls.</li> </ul>	Comprehensive Plan Public Services Element (Chapter 10).	West Pierce Fire and Rescue
<b>Water Supply</b>	<ul style="list-style-type: none"> <li>Min. pressure- 40 psi.</li> <li>Fire flow- 1,500 gpm</li> <li>Current usage: 136 gal/person/day</li> </ul>	Comprehensive Plan Utilities Element (Chapter 14); LWD Capital Improvement Program	Lakewood Water District
<b>Electricity</b>		Comprehensive Plan Utilities Element (Chapter 14)	Puget Sound Energy Tacoma Power Lakeview Light and Power
<b>Solid Waste</b>		Comprehensive Plan Utilities Element (Chapter 14); Tacoma- Pierce County Solid Waste Plan	Waste Connections
<b>Schools</b>	<p><b>School size (# students):</b></p> <ul style="list-style-type: none"> <li>K-5 450-475</li> <li>Middle school: 650-700</li> <li>High school: 1,500- 1,600</li> </ul>	Clover Park Facilities Advisory Committee Reports (2009 and 2016); Clover Park Capital Facilities Master Plan	Clover Park School District
<b>Library Services</b>	<ul style="list-style-type: none"> <li>0.62 sq. ft. per capita</li> </ul>	Pierce County Library 2030 Facilities Master Plan	Pierce County Library District

## B.6 Capital Facilities Planning

Under RCW [36.70A.070\(3\)](#), the Capital Facilities Plan Element must identify the proposed locations and capacities of expanded or new capital facilities. It is expected that the city will fund the identified capital projects through a combination of grants and other funding sources. These grants typically cover about 80–90% percent of project costs, and the city has been successful in securing such funding over the years.

### B.6.1 Lakewood Capital Facilities Program

#### Projects

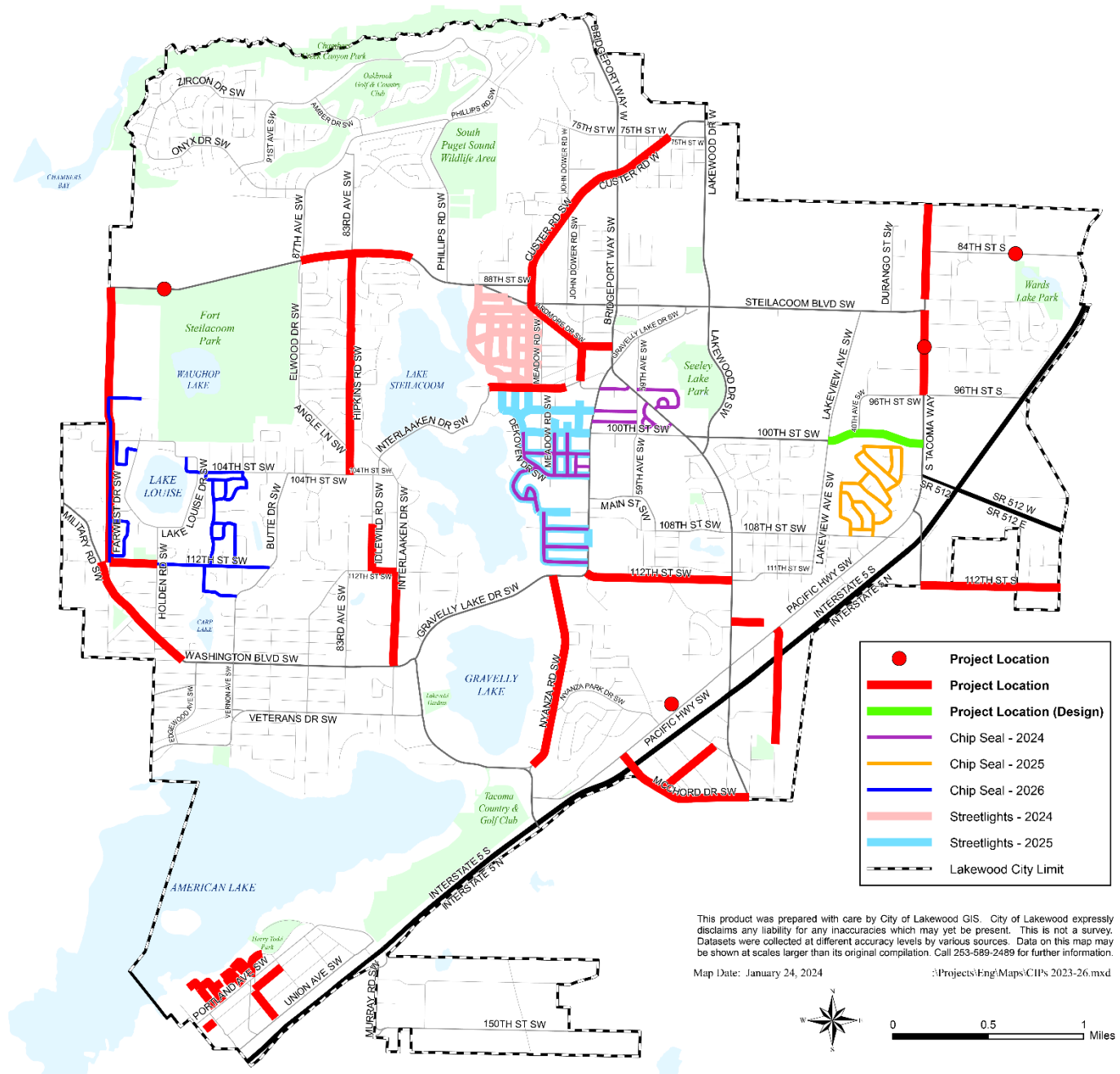
Under the Comprehensive Plan and related planning documents, there are two departments that are typically in charge of managing capital projects:

- **Public Works and Engineering**, which primarily manages transportation, sewer, and stormwater projects. Exhibit B-7 provides a map with the major capital projects currently planned for the 2025–2030 period, with a 20-year project list provided in Exhibit B-8. Short-term funding support for these projects is provided in Exhibit B-9. Note that these projects are based on the current project list for the Transportation Improvement Plan and other associated plans as recognized under the GMA.
- **Parks and Recreation**, which manages park and recreational facilities acquisition and development. Exhibit B-10 presents a map of major capital projects for parks and recreation, and a list of these projects is provided in Exhibit B-11.

In addition to these projects, there are also capital facilities projects defined under the 2023 update to the Non-Motorized Transportation Plan. These projects, provided in Exhibit B-12 with cost summaries included in Exhibit B-13, have been included to some extent in planning for both Public Works and Parks and Recreation and are consistent with the Pedestrian and Bicycle System Plans discussed in Section J. Many of the priority elements defined are still unfunded and not scheduled but expected over a 20-year planning horizon.

Note that the City should update its capital facility program in the next five years and monitor conditions with Levels of Service, including vehicle miles travelled, PM Peak Hour Trips, and growth trends, to ensure that growth is being accommodated appropriately. Based on regular capital programming and growth monitoring the City may consider additional capital improvements or LOS policy modifications.

Exhibit B-7. Six-Year Lakewood Capital Facilities Planning (Public Works and Engineering).



This product was prepared with care by City of Lakewood GIS. City of Lakewood expressly disclaims any liability for any inaccuracies which may yet be present. This is not a survey. Datasets were collected at different accuracy levels by various sources. Data on this map may be shown at scales larger than its original compilation. Call 253-589-2489 for further information.

Map Date: January 24, 2024

:\Projects\Eng\Maps\CIPs 2023-26.mxd

Source: City of Lakewood, 2024; Pierce County GIS, 2024.

**Exhibit B-8. Lakewood Capital Facilities Project List (Public Works and Engineering).**

Projects	Design	Construction	Total Project Cost
<b>Annual Capital Programs</b>			
Street Lighting	Annual	Annual	\$ 185,000
Pavement Patching	Annual	Annual	\$ 150,000
Chip Seal	Annual	Annual	\$ 360,000
Minor Capital (patching, striping, markings, minor repairs)	Annual	Annual	\$ 110,000
<b>Capital Projects</b>			
Western State Hospital Signal(s) phase 1	2023	2024	\$ 250,000
Ardmore/Whitman/93rd St (TBD Bond)	2023	2024	\$ 3,375,000
Hipkins Rd; Steilacoom Blvd to 104th St SW (TBD Bond)	2023	2024	\$ 3,640,000
SRTS 84th/Pine Street Signal	2023	2024	\$ 1,080,330
Traffic Signal controllers replacement project	2023	2024	\$ 610,000
S. Tacoma Way 88th - City Limit	2023	2024	\$ 4,083,000
STW Overlay 96th to Steilacoom Overlay - PSRC# LW-40	2023	2024	\$ 868,000
SRTS Farwest Sidewalks	2023/24	2024	\$ 1,653,030
Steilacoom Blvd: 87th to Weller (Construction finish by June 2025)	2023/24	2024/25	\$ 6,130,000
Downtown Planning Study - Raise Grant Application	2023/24	2026	\$ 1,100,000
100th, STW to Lakeview Drive (Phase 1)(’25 PSRC Grant) Design ’23/24	2024	Future	\$ 831,000
112th St SW; Idlewild Rd SW to Interlaken Dr SW (design ’24, const. ’24)	2024	2024	\$ 556,000
Idlewild Rd SW; Idlewild School to 112th SW (design ’24, Const ’24)	2024	2024	\$ 528,000
Military Road; Edgewood to 112th/Farwest (Design funds only) Construct 25? (TIB grant?)	2024	2025	\$ 360,000
Custer Rd SW - Bridgeport to 75th	2024	2025	\$ 3,720,858
Replace School Zone lights and system	2024	2024	\$ 180,000
Interlaaken; 112th to WA. Blvd (design ’24, const. ’25)	2024	2025	\$ 2,065,000
Nyanza Road SW sidewalk improvements	2024	2025	\$ 4,450,000
112th Street Sidewalks; Farwest to Holden (SRTS)	2024	2025	\$ 1,304,720
Custer Rd SW - Bridgeport to Steilacoom (Phase 1 - Custer to 600' west of BPW)	2024	2025	\$ 1,420,000
Mt. Tacoma Drive SW sidewalk improvements	2025	2026	\$ 3,950,000
92nd & STW signal design potential grant - TIB	2025	2026	\$ 1,250,000
112th St Overlay - STW to Steele Street (design’25, const. ’26)	2025	2026	\$ 1,244,000
<b>Sanitary Sewers</b>			
Rose Rd & Forset Rd sewer extension	2023/24	2024	\$ 1,531,870
Wadsworth St, Silcox Dr, Boat St. sewer extension (design ’23/24, const. ’24)	2023/24	2024	\$ 2,150,000
Grant Ave, Orchard St sewer extension (design ’24/25 const. ’26)	2024/24	2026	\$ 1,300,000
<b>Surface Water</b>			
Water Quality Improvements	Annual	Annual	\$ 245,000
Annual Drainage Pipe Repair	Annual	Annual	\$ 350,000
Clover Creek Floodplain - Levee	2024/26	Future	\$ 371,263

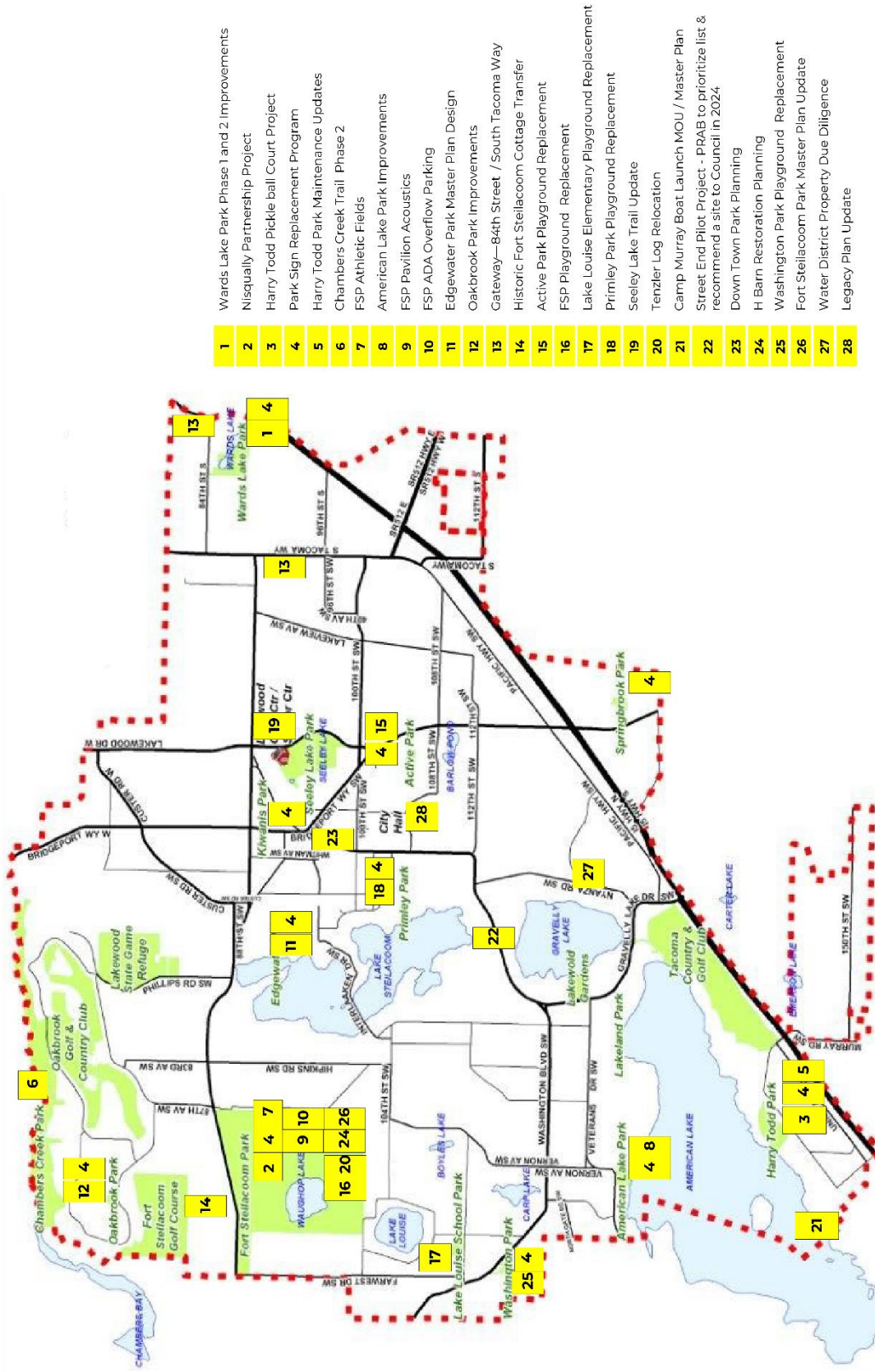
Projects	Design	Construction	Total Project Cost
<b>Sound Transit Funded:</b>	Tentative	Tentative	
112th St - GLD to Bridgeport (Sound Transit funded)	2024	2025	\$ 3,166,826
Clover Creek Railroad Crossing (Sound Transit funded)	2024	2025	\$ 187,144
McCord Drive SW - Pac Hwy to Bridgeport (Sound Transit funded)	2025	2026	\$ 5,007,404
115th St CT SW (Sound Transit funded)	2025	2026	\$ 549,733
47th Ave SW (Sound Transit funded)	2025	2026	\$ 1,493,270
Lincoln Ave SW (Sound Transit funded)	2026	2027	\$ 4,941,697
<b>Additional Downtown Subarea Projects (2030–2044)</b>			
59th Ave SW and Towne Center Blvd. SW Sidewalks, Lighting, Paving			\$ 5,775,000
Lakewood Towne Center Blvd at 59 <sup>th</sup> Ave SW roundabout			\$ 490,000
100th St SW and Bridgeport westbound right turn pocket			\$ 2,150,000
Gravelly Lake Drive / Avondale Signal			\$ 1,775,000
Gravelly Lake Dr./112th St. SW Signal			\$ 931,000
Gravelly Lake Dr./59th St. SW Signal			\$ 1,150,000
Modify cross section of Gravelly Lake Blvd. Study, 4, -lane cross sections with left turn pockets between Bridgeport and Nyanza Road SW to allow for improved bicycle and pedestrian facilities			\$ 9,925,000
<b>Additional Transportation Projects (2030–2044)</b>			
15th St Ct SW multi-use trail to Lakewood Station	Future	Future	(to be determined)
Lakewood Station area curb and sidewalk improvements within ½ mile of station	Future	Future	(to be determined)
Pierce County Transit Route 206 bus stop at Lakewood Station – intersection improvements	Future	Future	(to be determined)



Exhibit B-9. Lakewood Capital Facilities Supporting Revenue, Transportation (2025–2030).

Section	Fund Support (2025–2030)					Difference
	Base Cost (2025)	City	Grant	Other	Total	
Roadway Improvements	\$96,655	\$10,982	\$20,109	-	\$31,092	(\$65,563)
Traffic Signals	\$7,101	\$500	\$750	\$430	\$1,680	(\$5,421)
Transportation Planning	\$50	\$50	-	-	\$50	-
Street Lighting	\$1,080	\$360	-	-	\$360	(\$720)
Bridges	\$180	\$25	-	-	\$25	(\$155)
Roadway Restoration Projects	\$3,285	\$4,384	\$750	-	\$5,134	\$1,849
Neighborhood Traffic Management	\$174	\$174	-	-	\$174	-
<b>TOTAL</b>	<b>\$108,378</b>	<b>\$16,475</b>	<b>\$21,609</b>	<b>\$430</b>	<b>\$38,515</b>	<b>(\$70,010)</b>

Exhibit B-10. Lakewood Capital Facilities Planning (Parks and Recreation).



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

**Exhibit B-11. Lakewood Capital Facilities Project List (Parks and Recreation).**

Project Name	Status	Design	Construction	Funding
<b>Projects Active and Underway in 2024</b>				
Ft Steilacoom Park Athletic Fields	Active	2023	2023/24	General Fund, REET, WWRP
Ft Steilacoom Park Tenzler Log Relocation	Active	2024	2024	General Fund, REET, WWRP
Ft Steilacoom Park Nisqually Indian Tribe Partnership Project	Active	2024	2025	General Fund, REET, WWRP
Ft Steilacoom Park Wayfinding and main entry improvements (design only)	Active	2024	TBD	General Fund, REET, WWRP
Ft Steilacoom Park ADA and Overflow Parking	Active	2024	2024	General Fund, REET, WWRP
Ft Steilacoom Historic Cottage Transfer MOU	Active	2024	2024	General Fund, REET, WWRP
Colonial Plaza Landscape, Lighting and Interpretive Signage	Active	2024	2024	General Fund, REET, WWRP
Park Sign Replacement at all city parks	Active	2024	2024	General Fund, REET
Wards Lake Park Improvements (Phase 1 and 2)	Active	2024	2024/25	General Fund, REET, conservation futures, ALEA, LWCF, SWM, REET
American Lake Park Improvements *20 month in-water permit period	Active	2024	2024/25	General Fund, REET, ALEA, LWCF, LTAC
Oakbrook Park Improvements	Active	2024	2024	WWRP, General Fund, REET, Donations
Primley Park Improvements	Active	2024	2024	General Fund, REET, WWRP
Chambers Creek Trail Phase 2 (Pierce County managed project)	Active	2024	2024	General Fund, REET
Edgewater Park Master Plan Update *2024 grant application	Active	2024	2027	Sponsor, Development mitigation fees, Voter-approved park levy/bond
Street End improvement Pilot Project (PRAB will recommend site in 2024)	Active	2024/25	2026	General Fund, REET
Seeley Lake Park (Pierce County managed project)	Active	2024/25	2024/25	General Fund, REET
<b>Projects not yet Underway in 2024</b>				
Camp Murray Boat Launch MOU & Master Plan	Upcoming	2024/25	TBD	General Fund, REET, ALEA, LWCF, LTAC
Ft Steilacoom Park Pavilion Acoustics FSP	Upcoming	2024	2024	General Fund, REET, LTAC
Gateway Monument- 84th St E near Wards Lake Park	Upcoming	2024	2024	General Fund, REET, LTAC
Harry Todd Park Pickleball Courts	Upcoming	2024	2025	WWRC local parks, General Fund, REET
Harry Todd Park Deferred Maintenance Grant	Upcoming	2024	2025	WWRC local parks, General Fund, REET
<b>Projects Upcoming in 2025 through 2029</b>				
Ft Steilacoom Park H-Barn Restoration (pending funding from both Partners for Parks and city)	Upcoming	2025/26	2027/28	General Fund, REET, State grants, Donations, LTAC

<b>Project Name</b>	<b>Status</b>	<b>Design</b>	<b>Construction</b>	<b>Funding</b>
Edgewater Park (pending construction grants secured in 2025)	Upcoming	2025/26	2027	Sponsor, Development mitigation fees, Voter-approved park levy/bond
Downtown Park Master Planning (due diligence and planning)	Upcoming	2025/26	TBD	WWRC local parks, LTAC, SWM, General Fund, REET, Donations, Voter-approved park levy/bond
Legacy Plan (PROS Plan) Update in conjunction with FSP Master Plan Update - Legacy Plan must be approved by May 2026 for future grant eligibility	Upcoming	2025	2026	General Fund, REET, grants, Voter-approved park levy/bond
Lakewood Water District Property Acquisition (due diligence, community outreach & planning)	Upcoming	2025	TBD	General Fund, REET
Washington Park Playground Replacement	Upcoming	2026	2026	General Fund, REET
Lake Louise Elementary School Playground Replacement	Upcoming	2026	2027	General Fund, REET
Ft Steilacoom Park Playground Replacement	Upcoming	2026	TBD	General Fund, REET
Camp Murray Boat Launch Improvements (pending construction grants secured in 2027)	Upcoming	2027	2029	General Fund, REET, ALEA, LWCF, LTAC
<b>Long-Term Projects</b>				
Central Park - Create a new urban park just north of City Hall (\$17.5-\$35M)	Future	Future	Future	General Fund, REET, other sources tbd

## Exhibit B-12. Lakewood Capital Facilities Project List (Non-Motorized Transportation).

## Sidewalk Projects

Location	Distance (mi)
1 Custer	0.9
2 Edgewood Ave	0.3
3 Dekoven	0.7
4 Butte	1.1
5 Lake City	0.7
6 75th/Custer	0.5
7 83rd	0.5
8 Onyx Loop 1	1.7
9 104th	0.8
10 112th/Military	1.2
11 Louise	1.5
12 Nyanza Park	0.7
13 Interlaaken N	0.8
14 Interlaaken Bridge	0.8
15 Onyx Loop 2	2.0
16 150th	0.9
17 Interlaaken S	0.2
<b>Total</b>	<b>15.3</b>

## Bike Lane Signage and Marking

Location	Distance (mi)
BL-1 Military Rd (City Limits to Wash Blvd)	0.98
BL-2 59th Ave. (Steilacoom Blvd. to Bridgeport Way)	0.46
BL-3 59th Ave. (Bridgeport Way to Main St.)	0.33
BL-4 87th (Elwood Dr to Steilacoom Blvd)	0.13
BL-5 Steilacoom Blvd (87th to Weller Rd)	0.58
BL-6 S Tacoma Way (88th St. Ct. to City Limits)	0.6
BL-7 150th St SW (73rd Ave SW to Woodbrook Dr SW)	0.36
<b>Total</b>	<b>3.44</b>

## Shared-Lane Signing &amp; Marking

Location	Distance (mi)
SL-1 Onyx Dr. & Zircon Dr. & 91st Ave. & 78th St. (87th Ave. to loop around to Onyx Dr.)	1.69
SL-2 Phillips Rd. (Onyx Dr. to 68th Ave.)	0.58
SL-3 Steilacoom Blvd. (Phillips Rd SW to S. Tacoma Way)	2.52
SL-4 Angle Lane (Elwood Dr. to Hipkins Rd.)	0.37

<b>Shared-Lane Signing &amp; Marking</b>	
SL-5 Lake Louise Dr. (101st St. to around Lake Louise)	1.42
SL-6 104th St. (Lake Louise Dr. to Interlaaken Dr.)	1.03
SL-7 Butte Dr. (104th St. to 112th St SW)	0.51
SL-8 Interlaaken Dr. (Mt. Tacoma Dr. to Washington Blvd.)	2.22
SL-9 Custer Rd. (Bridgeport Way to Lakewood Dr W)	0.56
SL-10 Custer Rd. (88th St SW to Meadow Rd SW)	0.23
SL-11 Lakewood Dr. (100th St SW to Bridgeport Way)	0.09
SL-12 Mt. Tacoma Dr. & Motor Ave. (Interlaaken Dr. to Whitman Ave SW)	0.42
SL-13 New York Ave. & Lincoln Ave. & SF Ave. (Pacific Hwy. to Bridgeport Way)	0.75
SL-14 47th Ave. (Pacific Hwy. to McChord Dr SW)	0.89
SL-15 100th St. (59th Ave SW to S. Tacoma Way)	1.52
SL-16 96th St. & 40th Ave. (100th St. to I-5)	1.03
SL-17 Nyanza Park Dr SW (Nyanza to Pacific Hwy SW)	0.66
SL-18 Whitman Ave & Fairlawn Dr (Steilacoom Blvd to Motor Ave SW)	0.45
SL-19 84th St. (S. Tacoma Way to Tacoma Mall Blvd.)	0.81
<b>Total</b>	<b>17.75</b>

<b>Shared-Use Path</b>	
<b>Location</b>	<b>Distance (mi)</b>
P-1 Elwood Dr SW (87th Ave SW to Angle Ln SW)	0.62
P-2 Waughop Lake S (Lake Louise Dr SW to Lake Waughop Loop Rd)	0.23
P-3 Waughop Lake N (Steilacoom Blvd to Lake Waughop Loop Rd)	0.42
<b>Total</b>	<b>1.27</b>

Source: City of Lakewood, 2024.



**Exhibit B-13. Lakewood Capital Facilities Total Costs (Non-Motorized Transportation).**

Project Type	Miles	Cost
New Sidewalks	16.6	\$ 78,800,000
Bike Lane Signing and Marking	3.5	\$ 201,000
Shared-Lane Signing / Marking	17.8	\$ 725,000
New Shared-Use Paths	1.3	\$ 360,000
<b>Total</b>		<b>\$ 80,086,000</b>

Source: City of Lakewood, 2023.

Capital projects are detailed in the following plans, incorporated by reference as amended:

- Lakewood Six-Year Comprehensive Transportation Improvement Program (2025–2030), Resolution No. 2024-09 (<https://cityoflakewood.us/wp-content/uploads/2024/06/Resolution-No.-2024-09.pdf>).
- Lakewood Legacy Plan: Parks, Recreation & Open Space Master Plan (2020), Resolution No. 2020-06 (<https://cityoflakewood.us/wp-content/uploads/2020/05/FINAL-Legacy-Plan-2020-w-pg-numbers-flattened-1.pdf>).
- Lakewood Downtown Subarea Plan and Planned Action Ordinance (2018), Resolutions 695 (<https://cityoflakewood.us/wp-content/uploads/2021/09/103118-Downtown-Subarea-Plan-COMBINED.pdf>) and 696 (<https://cityoflakewood.us/wp-content/uploads/2022/12/Ordinance-696.pdf>).
- 2021 Lakewood Station District Subarea Plan, Resolution No. 751 (<https://cityoflakewood.us/wp-content/uploads/2021/09/Ordinance-751.pdf>) and 752 (<https://cityoflakewood.us/wp-content/uploads/2022/12/Ordinance-752.pdf>).
- 2040 Pierce County Unified Sewer Plan (<https://www.piercecountywa.gov/3108>).
- 2023 Lakewood Non-Motorized Transportation Plan Update ([https://cityoflakewood.us/wp-content/uploads/2023/05/2023-Lakewood-NMTP-Update\\_Final\\_042123.pdf](https://cityoflakewood.us/wp-content/uploads/2023/05/2023-Lakewood-NMTP-Update_Final_042123.pdf)).

## Funding Sources

Relevant funding sources used in Lakewood to support capital projects are provided below for transportation and parks and recreation. Note that non-motorized transportation may be included under either or both categories depending on the project.

### Transportation

Funding sources for identified capital projects in transportation include the following:

**Federal funding programs.** On November 15, 2021, President Biden signed the Infrastructure Investment and Jobs Act. The Act authorizes \$550 billion over fiscal years 2022 through 2026 in new

Federal investment in infrastructure, including roads, bridges, and mass transit, water infrastructure, resilience and broadband. The Act essentially continues with several specific funding programs that were funded under the previous Federal Transportation program (FAST Act). These include the following:

- **STP - Surface Transportation Program:** This is a regionally competitive program.
- **CMAQ - Congestion Mitigation and Air Quality:** This is a regionally competitive program intended for projects that significantly improve air quality.
- **HSIP - Highway Safety Improvement Program:** Statewide competition for federal funds targeted at safety improvements at high accident locations.
- **TAP - Transportation Alternatives Program:** This is a regionally competitive program and focuses on pedestrian and bicycle facilities (on and off road); safe routes to schools, etc.; and other non-highway focused programs.

In addition to these programs, the competitive **Rebuilding American Infrastructure with Sustainability and Equity (RAISE)** discretionary grant program under the Bipartisan Infrastructure Law (BIL) supports communities with projects of local and regional significance, with a large percentage of grants support regions defined as historically disadvantaged or areas of persistent poverty. The eligibility requirements of RAISE allow project sponsors, including state and local governments, counties, Tribal governments, transit agencies, and port authorities, to pursue multi-modal and multi-jurisdictional projects that are more difficult to fund through other grant programs.

Federal grant funds are often funneled through the regional MPOs, which is the Puget Sound Regional Council in the region. PSRC has its next call for projects for 2024 where roughly \$180,000,000 in grant funding is available throughout its four-county region. Typically, Lakewood projects are most competitive at County Wide level where we will compete against all other Pierce County agencies for approximately \$24 million (2024).

**Motor Vehicle Fuel Tax Funds.** The Motor Vehicle Fuel Tax Funds have been programmed to provide matching funds for federal aid and urban arterial projects and for projects to be implemented with Motor Vehicle Fuel Tax Funds only. By law, each city receives a proportionate share of the total state motor vehicle fuel tax. Money received is a monthly allocation based on population. The dollars shown in this year's Program reflect the revenues from this source expected to be received by the City of Lakewood.

**Community Development Block Grants (CDBG).** This is a federal program to provide physical improvements within low-income census tracts or to promote economic development within the City. Through the years 2025-2029 it is anticipated that a minimum of \$250,000 (on average) per year will be made available for pavement preservation, street lighting, and pedestrian improvements in eligible neighborhoods.

**Washington State Department of Transportation funding.** There are several programs administered by the Washington State Department of Transportation for supporting transportation infrastructure:

- **Pedestrian and Bicycle Program:** This is a statewide competitive program specifically oriented toward the elimination of hazards to pedestrians and bicyclists. The program focus for "complete streets" is for "Main Street" urban arterials and corridors.

- **Safe Routes to Schools Program:** This is a statewide competitive program specifically oriented toward pedestrian and bicycle safety near schools.
- **Surface Water Management Program:** The City's Surface Water Management (SWM) Program pays for all drainage facilities constructed in conjunction with street improvements. The revenue from SWM is directly related to the amount of capital improvement projects constructed.

**Washington State Transportation Improvement Board (TIB).** The TIB has several statewide competitive programs which use criteria developed by the TIB for prioritization of projects. The two TIB programs in which the City can compete are as follows:

- **UAP - Urban Arterial Program.** This program is for arterial street construction with primary emphasis on safety and mobility.
- **SP - Sidewalk Program.** This program is for the improvement of pedestrian safety, and to address pedestrian system continuity and connectivity.

**Complete Streets.** The Complete Streets Award is a funding opportunity for local governments that have adopted complete streets ordinance.

**City project funding.** In addition to outside support, the city can fund transportation projects as well from sources of internal revenue. These sources include:

- **Real Estate Excise Tax (REET).** This funding source comes from the two ¼% REET's charged by the City on the sale of real estate within the City limits. The City's REET is restricted to funding capital, including transportation and related debt service. Revenue from REET has averaged \$3,522,660 between 2019 and 2023, the REET is estimated at \$2.3 annually.
- **General Fund Transfer.** This funding source comes from several different sources that make up the General Fund revenue including property tax, sales tax, and utility tax and fees. The Street Capital Projects Fund is budgeted to receive approximately \$700,000 annually (on average) over the next 5 years in support of the pavement preservation program.
- **Transportation Benefit District (TBD).** In 2014, the TBD Board implemented a \$20 per vehicle tab fee to provide funds toward a specific list of pavement preservation projects. The anticipated revenue is approximately \$835,000 per year. In 2021 the City Council authorized the use of this revenue stream to purchase bond funds to construct seven (7) projects eligible for TBD funding but unlikely to garner outside grant agency funding.
- **General Obligation bonds:** A general obligation bond (GO) is a municipal bond backed by the credit and taxing power of the issuing jurisdiction.
- **Downtown Plan Peak Hour Trip SEPA Mitigation Fee Policy:** All businesses in the subarea plan that generate new PM Peak Hour trips as determined by the most recent edition of the ITE Trip Generation Manual, will be charged a Transportation Mitigation Fee (TMF).

### *Parks and Recreation*

In addition to transfers from the General Fund, funding sources for identified capital projects in parks and recreation include the following:

**Donations/contributions.** Donations from community organizations, neighboring cities, and individuals comprise a portion of the funds often used for the improvement of park and recreation facilities in the community.

**Motor Vehicle Fuel Tax Funds.** MVFT shared revenue may be used for paths and trails for pedestrians and cyclists within an existing highway right-of-way or severed by a highway.

**Hotel/Motel Lodging Tax.** The lodging tax under [Chapter 3.36 LMC](#) is a funding source that consists of an excise tax of 7% on the price of short-term lodging. This tax can be used to support tourism promotion, acquisition of tourism-related facilities, or operation of tourism-related facilities, which may include facilities included under the Parks and Recreation Plan. The Lodging Tax Advisory Committee (LTAC) reviews applications for community use of these funds.

**Real Estate Excise Tax (REET).** As noted above, the City's REET is restricted to funding capital projects, which may include parks and recreation facilities. Revenue from REET has averaged \$3,522,660 between 2019 and 2023, the REET is estimated at \$2.3 annually.

**Storm water fees (SWM).** Stormwater fees from development may be used to support projects related to surface water quality, including naturalization of passive recreational areas and .

**Aquatic Lands Enhancement Account (ALEA).** The Aquatic Lands Enhancement Account (ALEA) is a state-managed fund overseen by the Department of Natural Resources. It provides grants for public access projects and aims to protect and restore the natural ecological functions of aquatic lands in Washington State.

**Additional state funding.** Other state grants are available from individual departments to support parks projects. These include funding administered by the Recreation and Conservation Office (RCO) and associated boards, including the Youth Athletic Facilities Grant Program, the Land and Water Conservation Fund, and the Washington Wildlife and Recreation Program. Direct allocations by the state may also be a source of directed funding.

## B.6.2 Non-City Capital Facilities

### Fire Protection/EMS

West Pierce Fire & Rescue (WPFR) is responsible for providing fire services to the city. Formed in 2011, WPFR fully serves the communities of Lakewood and University Place and provides contracted services to Steilacoom. WPFR public services include fire prevention and suppression, motor vehicle collisions, medical aid calls, technical and water rescues, hazardous materials response, and other calls for service. They also provide services for building permitting and code enforcement.

In 2023, WPFR responded to 17,809 calls for service (West Pierce Fire & Rescue, 2023). This is slightly higher than 2022 calls for service at 17,721 (West Pierce Fire & Rescue, 2022). The call volume has increased 40% since its inception in 2011. Nearly 80% of total call volumes are medical in nature.

In 2023, WPFR employed 221 full-time employees. Of the full-time personnel, WPFR had 164 personnel employed for operations. District personnel are trained for medical aid with 57 emergency medical technicians and 118 paramedics.

WPFR has a service area encompassing 31 square miles, serving a population of over 100,000. The district has six fully staffed stations and is evaluating adding a seventh station. Five fire stations serve the City of Lakewood See Exhibit I-2. Lakewood West Pierce Fire and Rescue Stations. Five of the six stations have a medic unit, which is staffed 24 hours a day with one Paramedic and one Emergency Medical Technician (EMT).

WPFR has 10 facilities, including six stations, a fleet/facilities maintenance shop, two boathouses, and a training tower. The facilities total approximately 105,000 square feet. The fleet personnel are responsible for 106 apparatus and vehicles, three vehicles and assorted trailers.

WPFR has met the Rating Bureau LOS standard with a class 3 WSRB every year through 2023 since it was first rated in 2012. WPFR monitors its response times per state law.

Based on a review of Lakewood's growth targets in a supplemental environmental impact statement, additional trained fire fighter/emergency medical trained staff are needed over the 20-year period. See Exhibit B-14. There is likely to be an overall increase in calls for service, which may require staffing and equipment at all stations.

**Exhibit B-14. Fire and EMS Services by Alternative**

Alternative	Population Capacity	Current Effective LOS per 1,000 population	Staff Need
<b>Fire</b>			
Population Growth Target	23,180 (20-year target)	2.56	59.34
No Action	23,966 (full capacity)	2.56	61.27
Action Alternative	40,922 (full capacity)	2.56	104.62
<b>EMS</b>			
Population Growth Target	23,180 (20-year target)	1.84	42.64
No Action	23,966 (full capacity)	1.84	44.08
Action Alternative	40,922 (full capacity)	1.84	75.27

Source: BERK, 2024

In October 2022, the West Pierce Fire and Rescue “The Monitor” issue 17 identified the following needed capital improvements:

- New fire station: Improving response times by filling the service gap between the most northern Lakewood station and the University Place station.
- Upgrading the training center originally built in 1972.
- A new emergency operations support center (EOSC). The EOSC will consolidate the fleet and facility maintenance divisions and the operational supply warehousing and distribution center. Over the past 20 years, the district’s fleet has doubled in size and the facility is no longer large enough to support the workload. Additionally, the quantity of operational supplies, fire and medical equipment, and personal protective equipment (PPE) the district is required to maintain has exceeded storage capacity.
- An upgrade and expansion of the Oakbrook fire station. Built in the early 1970s, this station requires updating to adequately support the additional personnel housed there, as well as an additional medic unit that now responds from the station. (West Pierce Fire & Rescue, 2022)

The district is working on a capital facilities improvement and finance plan. The District could consider the growth target of Lakewood and other communities in its capital plans.

On the November 5, 2024 ballot is a measure to replace a maintenance and operations levy with a fire benefit charge which is a fee based on square footage, property use, and fire risk factors. (West Pierce Fire & Rescue , 2024)

**Water Supply**

Water service is primarily provided to the City by the Lakewood Water District (LWD). See Section K.3 for a summary of the system inventory.

The City’s previous LOS is related to sufficient fire flow and current usage per capita: “Min. pressure- 40 psi. Fire flow- 1,500 gpm. Current usage: 139 gal/person/day. LWD Capital Improvement Program.” As its current usage has dropped from 139 to 136 gallons per person per day as of 2018, this is used in the current plan as the revised LOS for water services.



The LWD has a current average daily demand of 8.9 million gallons/day across the whole system. The District has sufficient water availability for demand within its retail service area. As a result, the District provides wholesale water to the Town of Steilacoom, and sells its extra capacity to other regional Water Districts such as Rainier Water, Summit Water, and Firgrowth Water.

The District has identified medium and high growth projections planned for the year 2039. It assumes a future retail population in Lakewood of about 68,992 by 2039, which would be a net growth of 7,882 population, consistent with the medium projections.

The District anticipates the growth in the city will be multifamily oriented such as in the Downtown Plan. The District has identified a future retail demand of 9.02 mgd/add by the year 2029 and 9.59 mgd/ADD by 2039 without conservation. With conservation, the 2029 projection is 8.76 mgd/add and the 2039 projection is 9.02 mgd/add. In addition to this planned capacity, the District has surplus water rights that can be accessed in case of unanticipated need beyond planned capacity. It has 30 active groundwater wells, 12 pump stations, and 3 reservoirs.

In the 20-year period, the target growth would exceed District projections. The Comprehensive Plan Periodic Update has much greater capacity for growth that would occur beyond the 20-year target. There would be more growth distributed in historically single family neighborhoods as well as in the Downtown and Station District Subareas.

The District would need to update its plans to address the new growth target, as the current plan does not. However, the District has water capacity to address the new growth target. The District may need to change the amount of wholesale or partner agreements to accommodate this increased demand.

**Exhibit B-15. Additional Water Usage by Alternative**

Alternative	Population Capacity	Effective LOS (gal/person/day)	Net Need (gal/day) (mgd)	Annual Net Demand (mg)	Annual Retail Demand Net 2039 (mg)	Whole System Net 2039 (mg)
Population Growth Target (2044)	23,180	136	3.2	1,150.7	570	3,418

Source: BERK, 2024

**Exhibit B-16. Total Increased Water Usage by Alternative**

Alternative	Total Population	Effective LOS (gal/person/day)	Total Need (gal/day) (mgd)	Projected Retail Demand (AAD) Gross 2039 Without WUE (mgd)	Projected Wholesale Demand (ADD) Gross 2039 Without WUE (mgd)	Whole System Demand (ADD) Gross 2039 (mgd)
Population Growth Target (2044)	86,792	136	11.8	9.59	9.76	19.32

Note: WUE (Water Use Efficiency) Program  
 Source: BERK, 2024

Proposed water system improvements include fire flow, system loops, and material/age projects. The projects are detailed in the following system plan, incorporated by reference:

- Lakewood Water District. (2020). *Comprehensive Water System Plan*. Retrieved from <https://www.lakewoodwater.org/>: <https://www.lakewoodwater.org/lwd/page/water-system-plans>

The Water System Plan is updated on a 6-year cycle to address aging infrastructure, expansion to accommodate new development, and recommended improvements. These improvements and developer investment in higher efficiency water fixtures could decrease overall water demand to meet incremental increases in water demand.

Major maintenance and replacement needs for the existing system have been recommended at an annual rate of \$3.65 million minus water main replacement which is funded separately. Capital improvements have been proposed in six categories:

- **Water Main Improvements:** Improvements to existing water mains as well as adding new water mains to improve capacity and reliability.
- **Pressure Control Station Improvements:** Improvements to the system's pressure control stations to improve and sustain pressure.
- **Pump Station Improvements:** Improvements focused on updating the District's pump stations to improve reliability, aesthetics, usefulness, safety, and serviceability.
- **Tank/Reservoir Improvements:** Improvements include renovating older tanks as well as replacing entire tanks due to age.
- **Well Capacity & Reliability Improvements:** Improvements focused on updating existing well facilities to improve overall performance.
- **Miscellaneous Improvements:** Program-level planned work required to comply with various state and federal water regulations.

Summaries of improvements identified for the water system by the Lakewood Water District are provided in the following maps:

- Exhibit B-17 provides the proposed water system improvements identified by the District.
- Exhibit B-18 indicates the priority system improvements for the system.







## Sewer

Sewer service is provided by Pierce County Sewer Utility. It consists of domestic and commercial wastes generated by the residents and businesses in the City of Lakewood. Its primary drainage basin is Chamber-Clover Creek drainage basin, which includes the bulk of the County’s wastewater infrastructure. Generally, the sewer infrastructure is considered in good condition with plenty of remaining service life and no current need for large-scale line replacements or upgrades. Exhibit K-2 depicts a layout of the sanitary sewer main lines in the city.

The City’s current LOS is 220 gallons per day equals one residential equivalent (RE). Flow projections assume 0.83 RE for multifamily units. Pierce County Consolidated Sewer Plan Section 2.6.3. (City of Lakewood, 2016)

Most growth would consist of multifamily or attached single family dwellings. As growth occurs in the city, sewer usage will increase, as shown below, considering multifamily gallons per day.

### Exhibit B-19. Population and Sewer Demand

Alternative	Population Capacity	Effective LOS (gal/person/day)	Need (gal/day)
Net Growth Target 2044	23,180	182.6	4,232,668
Total Growth Target 2044	86,792	182.6	15,848,219

Source: BERK, 2024

The County’s most recent system plan is the 2010 Unified Sewer Plan, adopted in 2012. The County’s 2010 Unified Sewer Plan anticipated a population of 72,000 within Lakewood by 2022, which the City has not yet met. The Chambers Creek Wastewater Treatment Plant considers regional growth projections through 2040.

In March 2020, Pierce County launched the 2040 Unified Sewer Plan update project, which is anticipated to be finalized and adopted in 2025 after the periodic updates. This update provides an opportunity to plan for future development in Lakewood.

The more recent 2024-2044 Sewer Improvement Program identifies a bypass sewer interceptor in the Lakewood city limits projected for implementation in a period of 2027-2033 for a total cost of \$81.1M.

*Sewer Improvement Program 2024-2044 Bypass Interceptor Project Description: Construct a 72-inch, 19,000-foot pipeline will serve the sewer service sub-basins to the east of Interstate-5 as well as the existing portion of the Lakewood East Sub-basin. The project will provide future relief to the southern part of the Bridgeport Interceptor as well as the Steilacoom Boulevard Interceptor. The Bypass Interceptor will consist of an expansion of several existing interceptors coupled with new interceptor segments.*

Other planned improvements in Lakewood or serving the city between 6 and 20 years, include: Public Station Generator Replacements, DuPont-Lakewood Bypass Pump Station, DuPont-Lakewood Bypass Force Main, and Chambers Creek Regional Wastewater Treatment Plant Tunnel Expansion Phase 1.

Pierce County coordinates quarterly with the City of Lakewood to discuss upcoming and future projects. A Sewer Improvement Plan (SIP) was adopted in September 2021, addressing capital facility planning from 2022-2042 and identifying funding for the next six years of capital facility improvements.

## **Schools**

Public school services are provided by the Clover Park School District (CPSD), It operates 23 schools, including a K-12 academy. District-wide, there are 12,436 students and 833 classroom teachers as of 2023-24 school year. Saint Francis Cabrini School also provides private school services to students in pre-K to 8<sup>th</sup> grade.

The City of Lakewood recognizes the Clover Park Capital Facilities Master Plan and Facility Condition Report. School sizes are noted in the City's Capital Facilities Element as a LOS.

### **Exhibit B-20. Clover Park Public School Size**

<b>School size</b>	<b># Students per school</b>
K-5	450-475
Middle	650-700
High	1,500- 1,600

Source: City of Lakewood, 2016

CPSD sets LOS standards in its Clover Park Capital Facilities Master Plan. Under a 2016 Facilities Advisory Committee report, the school board recommended that the district maintain Lake City property for a possible future school site and is developing a long-term master plan which may use sequential bonds. A Facilities Advisory Committee was formed in 2023 with recommendations due in 2024. The scope of their review is to develop recommendations for addressing aged facilities, facility improvements to promote educational goals, facility improvements to increase safety and security, and consideration of a future capital measure.

A common effective LOS standard is to review the number of students per teacher. Schools often set student/teacher ratios which can also identify the number of future classrooms needed, which may be housed in permanent or temporary portable capacity.

To estimate student generation, it is also possible to consider the number of households in the district in relation to the number of students. The number of occupied households in the Clover Park School district is 31,505 based on State of Washington Office of Financial Management (OFM) small area estimates. There are 12,436 students in the district as of 2023. Thus, the effective student per household ratio is 0.39. This ratio is a decrease from the 2016 student-to-household ratio of 0.45.



**Exhibit B-21. School Services Effective Level of Services Standards**

Facility	Student count (2023-24)	Classroom teachers (2023-24)	Student to teacher ratio
Clover Park School District	12,436	833	14.93
Elementary Schools in Lakewood			
Custer Elementary School	316	25	12.64
Dower Elementary School	307	25	12.28
Four Heroes Elementary School	530	46	11.52
Idlewild Elementary School	436	28	15.57
Lake Louise Elementary School	503	38	13.24
Oakbrook Elementary School	279	27	10.33
Park Lodge Elementary School	355	35	10.14
Tillicum Elementary School	268	20	13.40
TyeePark Elementary School	338	32	10.56
Middle Schools in Lakewood			
Hudtloff Middle School	588	54	10.89
Lochburn Middle School	467	47	9.94
Thomas Middle School	985	69	14.28
High Schools in Lakewood			
Clover Park High School	1,144	107	10.69
Lakes High School	1,204	94	12.81
Other Schools in Lakewood			
Lakeview Hope Academy	541	46	11.76
General William H Harrison Prep School	748	48	15.58

Source: Washington Office of the Superintendent of Public Instruction, 2024, BERK, 2024.

Added residential growth throughout the city would increase households and the number of students, requiring an increased need for teachers and classrooms. Exhibit B-22 depicts the teacher need if the students-per-household ratio remains constant.

**Exhibit B-22. School Generation by Alternative**

Alternative	Household Increase Capacity	Student per Household	Student Net Growth All Grades	Current Effective LOS	Teacher Need
<b>Population Growth Target</b>	9,378	0.39	3,702	14.93	248

Source: BERK, 2024

However, the anticipated moderate density and multifamily housing may not include families with children. Therefore, the student-per-household ratio may decrease, resulting in a lower-than-anticipated need for teachers. The School District will need to study student growth to anticipate the appropriate

distribution of its teachers. The student growth that will occur is anticipated to happen incrementally, allowing the School District to respond based on need.

# C Economic Development

## C.1 Introduction

This section provides a comprehensive overview of the current economic landscape of Lakewood. Currently, the city is uniquely positioned to capitalize on opportunities for local economic expansion and diversification. Anchored by significant local resources such as proximity to Joint Base Lewis-McChord (JBLM), I-5, SR 512, and the port of Tacoma, there are significant opportunities to address demand in retail, commercial, housing, and logistical activities, among others.

However, the city also faces several challenges that need to be addressed to sustain and enhance its economic development. In particular, the ways that the city addresses the limited availability of vacant land for development, construction costs, infrastructure needs, and regional retail competition will shape how the city will grow and change into the future, and how local economic activity will support municipal fiscal sustainability.

This section reviews relevant information about the local Lakewood economy. This is focused on data that can help to support the city's efforts to support local economic development that can benefit local businesses, residents, and the region at large. This includes:

- High-level information about the **economic competitiveness** of Lakewood, including major local resources and potential future challenges to economic development.
- An assessment of **local employment**, including the breakdown of employment between economic sectors, a review of expected future employment growth to 2050, and comparisons with nearby communities.
- An evaluation of **commuting and worker locations**, including an assessment of the jobs-to-population ratio and a review of commuting flows between Lakewood and other communities.
- An analysis of **taxable retail sales** in Lakewood, including an evaluation of whether

Overall, this material underscores the importance of a coordinated policy approach, integrating various elements of the Comprehensive Plan, to effectively respond to these economic development challenges.

## C.2 Competitive Economic Position

As part of maintaining and expanding the local economy, Lakewood is in a strong situation to take advantage of different opportunities. These benefits can help boost current opportunities as well as attracting new economic activity into the community. Significant local resources include the following:

- **Joint Base Lewis-McChord (JBLM) and other facilities.** Lakewood is located next to JBLM, a 90,283-acre joint US Army and Air Force facility that accommodates over 40,000 service members, their families, and civilian contractors and support staff. It is the largest employer in Pierce County and one of the largest employers in the state, and because of this, the base serves as the region's primary economic driver. JBLM includes Camp Murray, the home to the Washington Army National Guard, Washington State Guard, Washington Air National Guard, and the State Emergency Operations Center. These facilities have a significant economic impact on Lakewood, given the need for off-base housing and shopping options, as well as businesses that support base operations and other related economic activities.
- **I-5 and SR-512.** Lakewood is ideally situated to benefit from its location along I-5 between Tacoma and Olympia. This position provides strong regional access given its location between Tacoma and Olympia, as well as linkages to trucking destinations along the Pacific coast and the I-90 east-west freeway. State Route 512, which has its western end in Lakewood, also provides regional access to Puyallup and the SR-167 corridor. This location allows the city to be a key site for logistics and warehousing, as well as other commercial, manufacturing, and industrial uses.
- **The Port of Tacoma.** Approximately five miles from Lakewood, the Port of Tacoma is a major hub for international trade and is ranked among the top ten container ports in the United States. Increases in trade volume have led to a significant regional expansion of logistics and warehousing facilities in Lakewood and throughout Pierce County, which has been supported by upgrades to the Port's linkages with nearby roadways.
- **Local and regional transit.** The Pierce Transit bus system and Sound Transit commuter rail are accessible at Lakewood Station, which is near the Pacific Highway/SR512/I-5 interchange. Planned investment in these systems will also improve connectivity to Sea-Tac International Airport and employment centers in Tacoma and Seattle over the long term.
- **A strong community of small businesses.** There are many smaller local businesses in Lakewood which provide an important economic base for the city. In particular, the vibrant International District in Lakewood attracts diners and shoppers from Lakewood and surrounding areas with a diverse mix of local businesses.
- **Local education and training resources.** Pierce College Fort Steilacoom and Clover Park Technical College provide a wide range of professional and technical programs and contribute to a robust pipeline of workforce training for nearby employers. This supplements a strong local public education system.

To boost the effectiveness of economic development efforts, there are also some challenges to address as well. These difficulties include the following:

- **Land availability.** Lakewood has a restricted amount of property available for development, redevelopment, and infill projects. This might become a problem as the community expands,

particularly if future economic growth is contingent on a greater proportion of community members making purchases from local establishments.

- **Shifts in retail activity.** The ways that people shop have changed significantly over the past few years. The movement towards online commerce is challenging Lakewood's standing as a regional retail hub. Traditional brick-and-mortar store closures and a greater regional emphasis on local mixed-use developments may also have an impact on consumer purchasing patterns.
- **Market conditions and residential redevelopment.** Costs of construction, insufficient housing across the affordability spectrum, and senior housing is also a component in local economic development. Historically lower rents for multifamily buildings have made it more challenging for redevelopment projects in Downtown and Lakewood Station to have been feasible and efficient for previous development. Future efforts to revitalize these areas and bring more consumers and more demand in for the local market will require a strong environment for these projects.
- **Infrastructure demands.** As Lakewood grows, so does the strain on our roads and other supporting infrastructure. Facilities controlled by the city such as streets and roads will be impacted by new growth, and future congestion could impact quality of life in the city. Similarly, other infrastructure managed by third-party providers and other government agencies, such as transit, telecommunications, water, and sewer services, will also be impacted by new local and regional growth. Providing the planning necessary to ensure that the city's infrastructure will not be a limiting factor on new growth and development is an essential part of this Comprehensive Plan.

Coordinating responses to many of these potential challenges to economic development in the city will need to be done through policies across the entire Comprehensive Plan, including the sections on housing, capital facilities, land use, parks and recreation, and public services.

## C.3 Employment

The following exhibits provide historical estimates of covered employment for Lakewood:

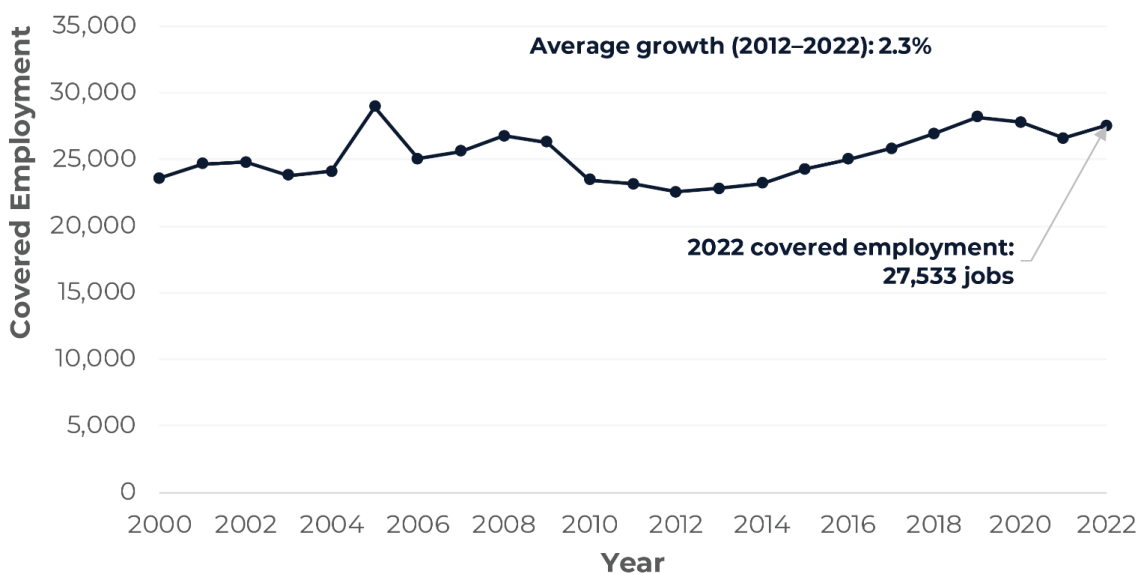
- Exhibit C-1 provides historical covered employment in Lakewood from 2000 to 2022.
- Exhibit C-2 provides covered employment by major economic sector for Lakewood between 2012 and 2022.
- Exhibit C-3 compares the breakdown of city employment by major sector with surrounding communities in 2022.

Note that under these statistics, “covered employment” includes all jobs covered by the *Washington Unemployment Insurance Act*, which does not specifically include self-employed individuals, military workers, or other workers not covered by state unemployment insurance.

This information highlights several key elements with respect to local employment in Lakewood:

- **With respect to local employment, the city has recovered from recession and lockdown.** Currently, 2022 covered employment amounts to 27,533 jobs in the city. Employment in Lakewood has increased since the decline due to the 2007–2009 recession. Note that while government cutbacks were felt across the region, the effects on Western State Hospital were significant for one of the city’s largest employers, and there was a 15% loss in employment from 2008–2012. More recently, shocks due to the 2020 pandemic can be linked to a decline of 1,622 jobs (about 5.8% of employment) between 2019 and 2021, but a recovery in employment can be seen with an increase of 3.5% between 2021 and 2022.

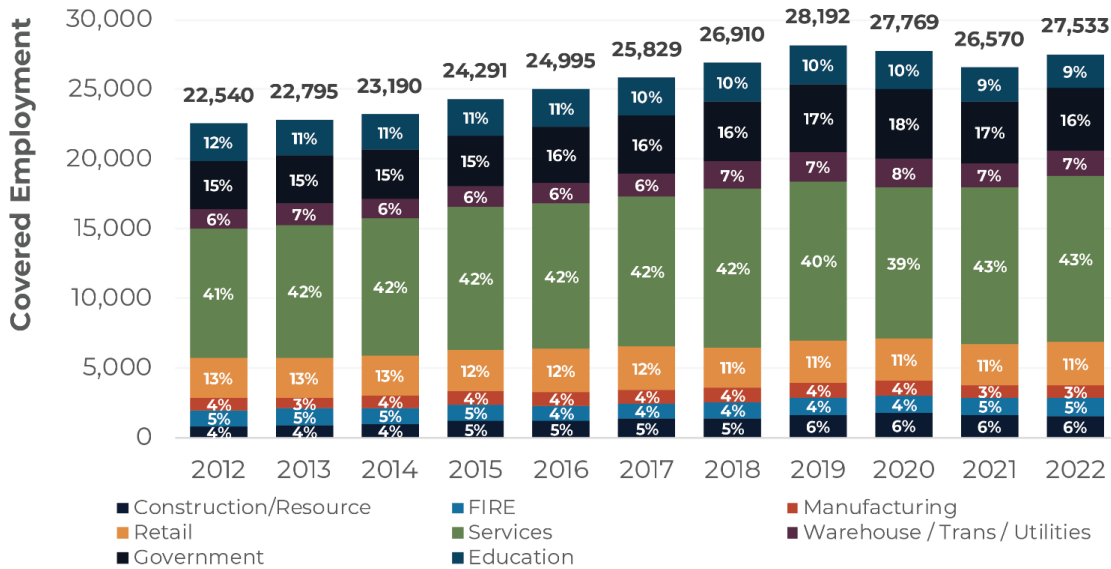
**Exhibit C-1. Covered Employment in Lakewood, 2012–2022.**



Source: Puget Sound Regional Council, 2024.



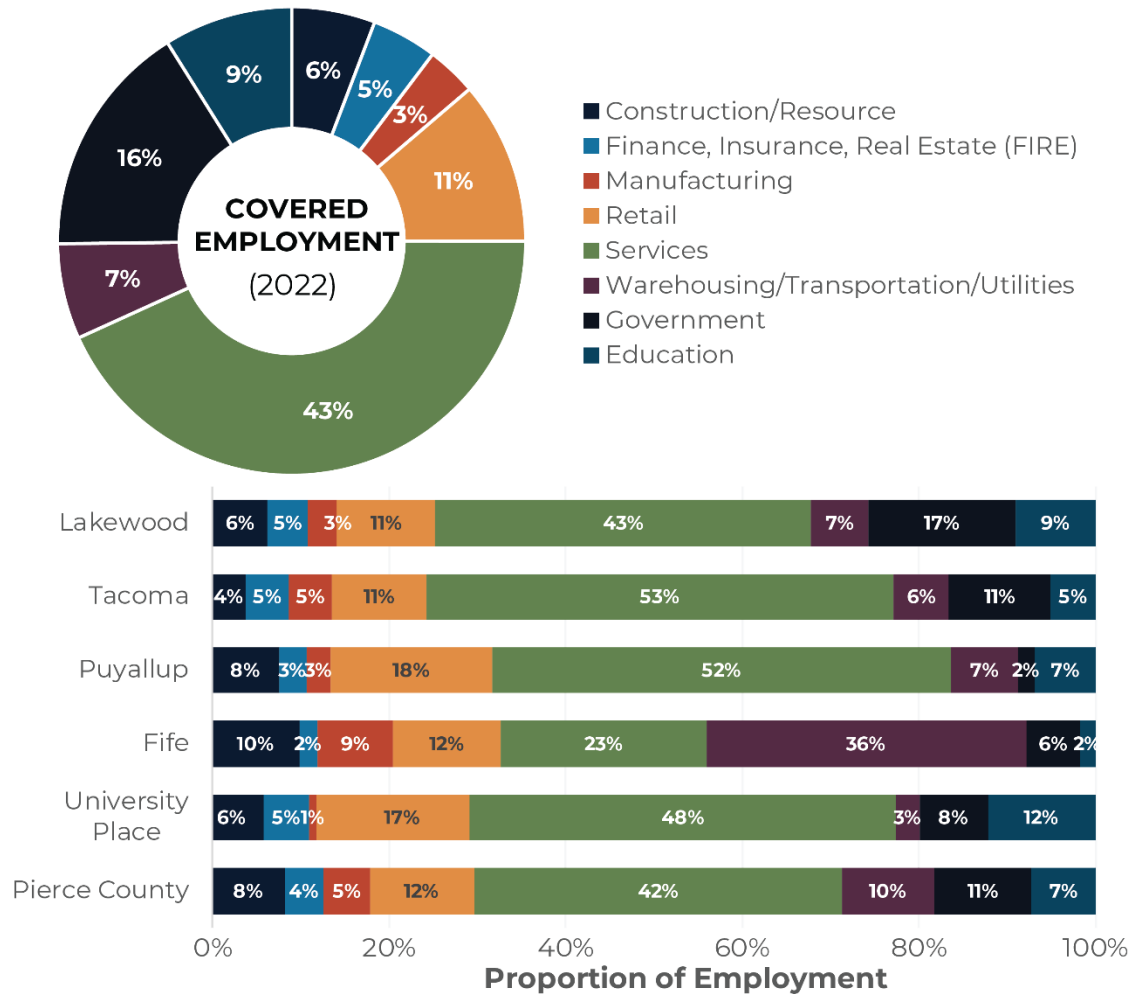
Exhibit C-2. Covered Employment by Major Sector in Lakewood, 2012–2022.



Source: Puget Sound Regional Council, 2024.

- There are different rates of employment growth across the Lakewood economy.** Different sectors of the local economy are not experiencing growth at the same rates. Compared to an average of 2.3% growth in employment since 2012, the highest growth sectors for Lakewood since 2012 have been in Construction/Resource (about 8% per year), Government (3.7%), Warehousing, Transportation, and Utilities (3.6%), and Services (2.3%), with the greatest increase in covered employment found in Services (2,645 total jobs). Conversely, Education has experienced a loss of employment (-0.1% per year), while Retail (0.4%) and Finance, Insurance, and Real Estate (0.5%) have experienced lower rates of growth than other economic sectors.
- Government and government-related employment will continue to be an integral part of the local economy.** At 17% of total covered employment, the Government sector is responsible for a larger proportion of local employment than in other communities in Pierce County. This is due in part to the presence of Western State Hospital, one of the largest local employers. Recent growth in services and manufacturing are also likely related to increases in demands for suppliers to local institutions, including the Hospital, JBLM, and local educational institutions.

Exhibit C-3. Breakdown of Covered Employment, Lakewood and Surrounding Communities, 2022.

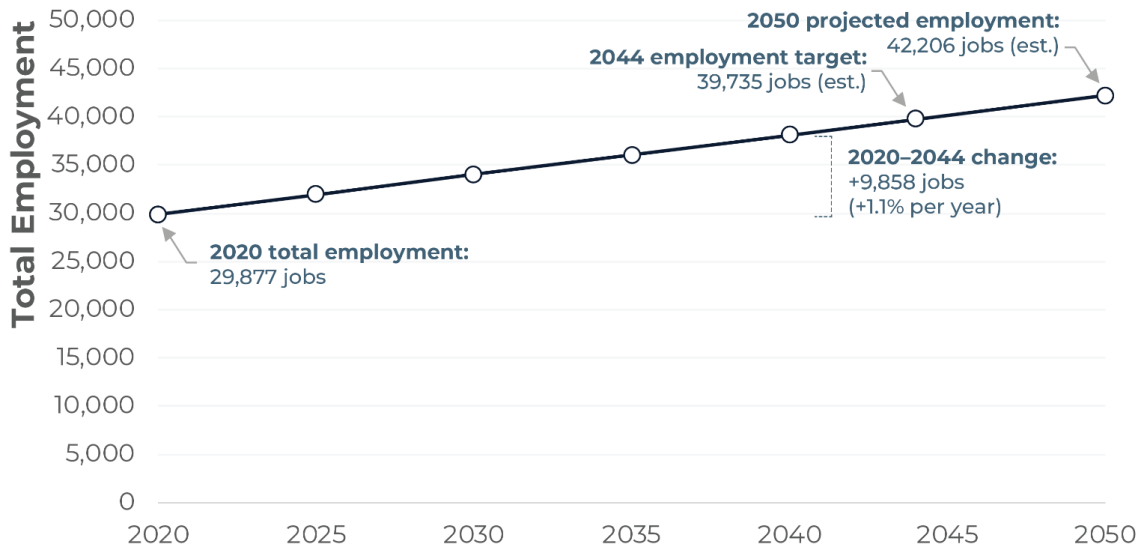


Source: Puget Sound Regional Council, 2024.

Estimates of future total employment for the city are provided in Exhibit C-4 below. The 2044 projection is based on the current Countywide Planning Policies in place for Pierce County. The additional projections are based on the PSRC’s Land Use Vision – Implemented Targets (LUV-it) land use model, which includes estimates of total employment, including both covered and non-covered employment, and are based on regional policies as well as local targets from the Countywide Planning Policies.

Overall, an **additional 9,858 jobs** are predicted to be included in the city between 2020 and 2044, with overall employment at **39,735 jobs by 2044** according to targets. This represents an average increase of about 1.1% per year, which suggests slower expected employment growth compared to current rates post-2012.

**Exhibit C-4. Projected Total Employment in Lakewood, 2020–2050.**



Source: Puget Sound Regional Council, 2024.

Looking forward to 2050, a further 2,471 jobs are expected to be added to the city to amount to a total of 42,206 jobs, or an overall 30-year increase between 2020 and 2050 of 12,329 jobs.

Required supplies of developable lands in Lakewood to accommodate this additional employment are discussed in Chapter 2 (Land Use and Maps). The final need for additional land and floor space to accommodate employment will depend on several factors, including the types of jobs included, expected employment intensities (typically measured in average square feet per employee).

## C.4 Commuting and Worker Locations

In addition to understanding the composition of local employment, it can also be important to understand where the people that work in the city live. While local workers are free to live where they choose, this should be reviewed for several reasons:

- Understanding the balance between local jobs and residents can help to understand how the city should focus on balancing itself between being a “bedroom community” and an employment center.
- Commuting patterns can highlight cases where local workers may need to commute from surrounding areas where rents may be lower.
- Increasing opportunities for people to live closer to where they work can help reduce commuting times, traffic congestion, and climate change impacts from transportation.

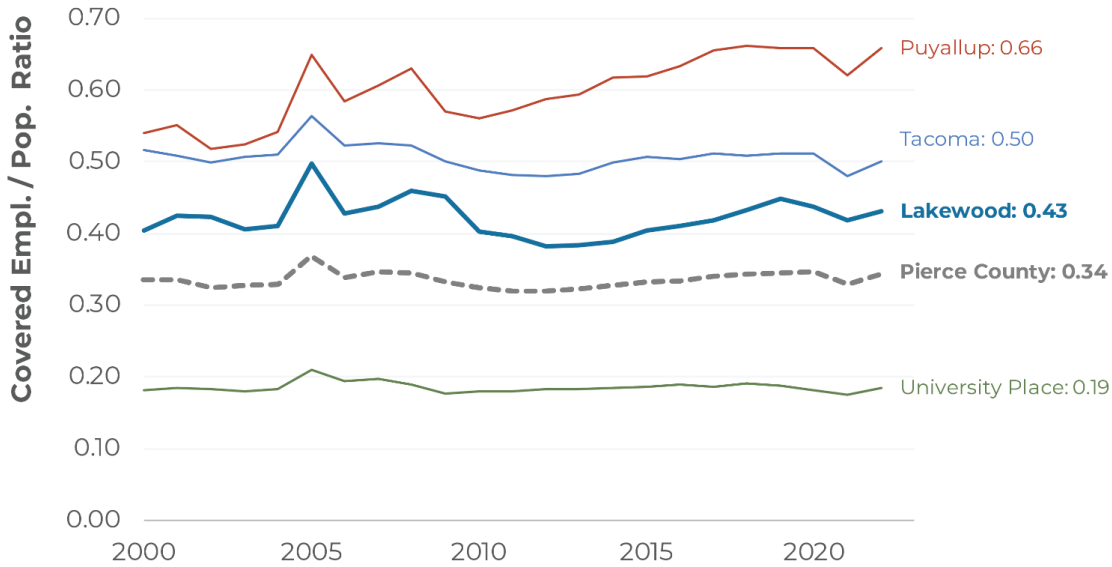
The following exhibits provide relevant information regarding commuting and Lakewood from the Longitudinal Employer-Household Dynamics (LEHD) data provided by the US Census:

- Exhibit C-5 highlights the jobs-to-households ratio based on covered employment, compared with other jurisdictions in the area and with Pierce County as a whole.
- Exhibit C-6 presents the change over time in the proportion of local employees that are also Lakewood residents, compared with the proportion of Lakewood residents that work locally.
- Exhibit C-7 gives the top work locations for residents of Lakewood, and the top home locations for workers in Lakewood.

This information highlights the following:

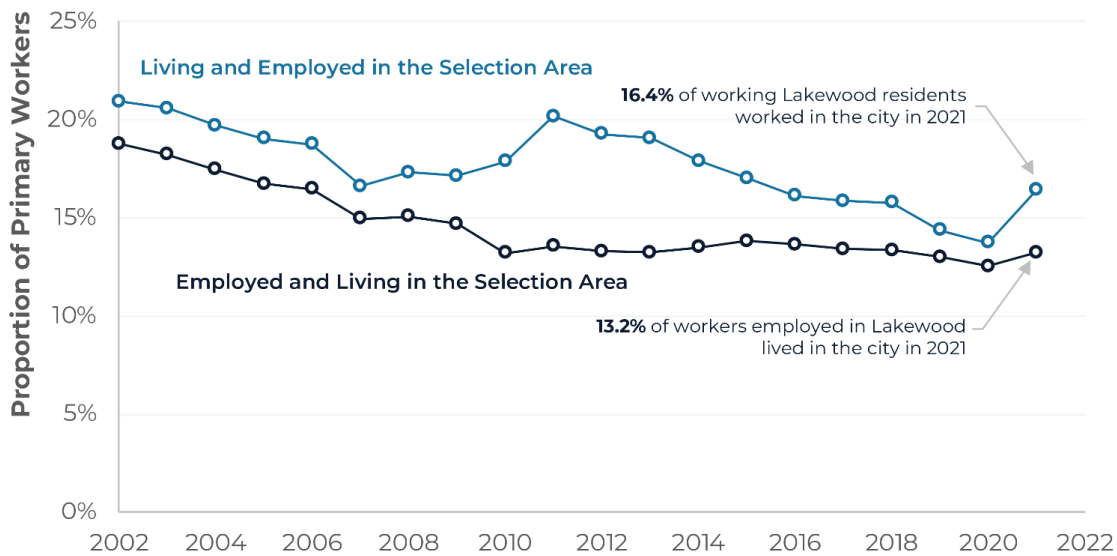
- **Lakewood has a greater concentration of employment than the County average.** When examining the jobs-to-population ratio in Exhibit C-5, Lakewood has a ratio of 0.43 jobs per resident. This is higher than the Pierce County average of 0.34, suggesting that overall, the city does serve as a destination for employment. However, this ratio is lower than Tacoma (0.50) and Puyallup (0.66), suggesting that these communities also represent strong job centers in the area.
- **Lakewood is a net importer of workers, but this is changing.** From the LEHD data, Lakewood has been a net importer of employment, with slightly more workers coming into the community than residents leaving to work in other communities. In 2021, over 13% of local workers were also residents. However, this is shifting, as a growing number of residents are working outside of Lakewood. In 2021, 16.4% of working Lakewood residents were employed outside of the city. This suggests that a growing proportion of new working residents are being employed outside of the city.
- **Commuting flows suggest connections with surrounding job centers and bedroom communities.** When examining the flows of workers between Lakewood and surrounding communities, a substantial number of local workers are being drawn in from surrounding suburban residential communities (e.g., Parkland, University Place, South Hill) as well as residential areas of Tacoma. Conversely, many commuters that reside in Lakewood work in major job centers, both regional (e.g., Tacoma, Seattle, Olympia, Bellevue) and local (e.g., Lakewood, Fife, Puyallup).

**Exhibit C-5. Jobs-to-Population Ratio, Lakewood and Surrounding Communities, .**



Sources: Puget Sound Regional Council, 2024; WA Office of Financial Management, 2024.

**Exhibit C-6. Proportion of Primary Workers Living and Residing in Lakewood.**



Source: US Census Longitudinal Employer-Household Dynamics, 2024.

Exhibit C-7. Home and Work Locations for Lakewood Workers, 2021.

Home Locations of Lakewood Workers			Work Locations of Lakewood Residents		
City/CDP	Number	%	City/CDP	Number	%
Tacoma city, WA	4,185	15.8%	Tacoma city, WA	4,203	19.7%
Lakewood city, WA	3,503	13.2%	Lakewood city, WA	3,503	16.4%
Parkland CDP, WA	1,122	4.2%	Seattle city, WA	1,937	9.1%
University Place city, WA	966	3.6%	Fife city, WA	684	3.2%
South Hill CDP, WA	954	3.6%	Puyallup city, WA	656	3.1%
Spanaway CDP, WA	932	3.5%	Olympia city, WA	530	2.5%
Puyallup city, WA	619	2.3%	Kent city, WA	526	2.5%
Federal Way city, WA	523	2.0%	Sumner city, WA	473	2.2%
Frederickson CDP, WA	523	2.0%	Auburn city, WA	467	2.2%
Lacey city, WA	469	1.8%	Bellevue city, WA	449	2.1%
All Other Locations	12,692	47.9%	All Other Locations	7,878	37.0%

Source: US Census Longitudinal Employer-Household Dynamics, 2024.



## C.5 Taxable Retail Sales and Market Capture

Consumer purchasing habits can also help to describe Lakewood's economy. State and local sales tax data can be compared to understand how purchasing patterns in Lakewood compare to expected levels. This can be important in several ways:

- Comparisons of local spending patterns can potentially indicate what types of businesses rely on drawing in customers from outside the city, and what types of goods and services that residents will need to go outside the city to find.
- As sales taxes are often an important part of local government revenue, understanding current patterns in receipts can help to highlight competitive advantages and potential gaps in services.
- Additionally, understanding trends in spending over time can highlight local economic trends and potential opportunities and challenges with supporting local business activity.

Note that this type of analysis does not include all possible economic activity. Other transactions outside of retail spending such as business-to-business sales are not covered in this data set. Additionally, certain types of retail spending, notably most groceries (which are exempt) and motor fuel sales (which are taxed separately), are not included.

The following figures provide information based on Washington State Department of Revenue data on taxable retail sales:

- Exhibit C-8 provides a comparison between actual retail and restaurant spending in Lakewood in 2021 with expected average spending by city residents to determine the effective capture of consumers for local businesses.
- Exhibit C-9 compares the market capture for Lakewood in 2023 for retail and restaurant subsectors with those found in other cities in the region.
- Exhibit C-10 shows the changes in taxable retail sales between 2017 and 2021 for the top ten subsectors in the city.

These results are provided in terms of defined subsectors under the North American Industrial Classification System (NAICS), with a focus on three-digit subsectors under “Retail Trade” (NAICS codes 44 and 45), as well as “Food Services and Drinking Places” (NAICS 722). Note that due to a revision of the NAICS codes in 2022, Exhibit C-8 and Exhibit C-10 rely on assessments of spending in 2021.

The assessments of spending rely on a comparison between actual local sales and the estimates of potential spending of city residents based on statewide averages. This comparison is typically summarized as a “pull factor”, which is calculated as the ratio between actual and potential spending. In cases where the pull factor is greater than one, there is greater local spending than what is assumed to be supported by residents, meaning that local businesses can capture more consumers from outside of the city as customers. Conversely, if the pull factor is less than one, it means that local spending is lower than estimated spending by residents, suggesting that they will need to go outside the city to obtain the goods and services they need.

Exhibit C-8. Taxable Retail Sales, Lakewood, 2021.

		2021 Taxable Retail Sales			Pull Factor		
NAICS Designation		Local Sales	Local Potential	Surplus / Leakage	2017	2021	Change
<b>44-45</b>	<b>Retail Trade</b>	<b>\$787,229,996</b>	<b>\$584,126,392</b>	<b>\$203,103,604</b>	<b>1.23</b>	<b>1.35</b>	<b>+0.12</b>
441	Motor Vehicle and Parts Dealers	\$190,770,088	\$133,587,095	\$57,182,993	1.21	1.43	+0.22
442	Furniture and Home Furnishings Stores	\$29,866,992	\$21,206,462	\$8,660,530	1.50	1.41	-0.09
443	Electronics and Appliance Stores	\$29,140,126	\$37,490,327	(\$8,350,201)	0.75	0.78	+0.03
444	Building Material and Garden Equipment and Supplies Dealers	\$74,086,871	\$63,929,812	\$10,157,059	1.01	1.16	+0.14
445	Food and Beverage Retailers	\$52,581,666	\$30,828,713	\$21,752,953	1.40	1.71	+0.30
446	Health and Personal Care Stores	\$34,338,086	\$23,930,607	\$10,407,479	1.07	1.43	+0.36
447	Gasoline Stations	\$17,955,521	\$13,622,965	\$4,332,556	1.35	1.32	-0.03
448	Clothing and Clothing Accessories Stores	\$42,358,613	\$33,149,195	\$9,209,418	1.08	1.28	+0.20
451	Sporting Goods, Hobby, Musical Instrument, and Book Stores	\$33,124,330	\$23,563,284	\$9,561,046	1.40	1.41	+0.00
452	General Merchandise Stores	\$150,072,522	\$84,138,725	\$65,933,797	1.58	1.78	+0.20
453	Miscellaneous Store Retailers	\$111,516,977	\$95,934,555	\$15,582,422	1.30	1.16	-0.14
454	Nonstore Retailers	\$21,418,204	\$22,744,653	(\$1,326,449)	0.84	0.94	+0.10
<b>722</b>	<b>Food Services and Drinking Places</b>	<b>\$183,721,738</b>	<b>\$91,189,315</b>	<b>\$92,532,423</b>	<b>1.64</b>	<b>2.01</b>	<b>+0.38</b>

Source: WA Department of Revenue, 2024.

Exhibit C-9. Comparison of Pull Factors, 2023.

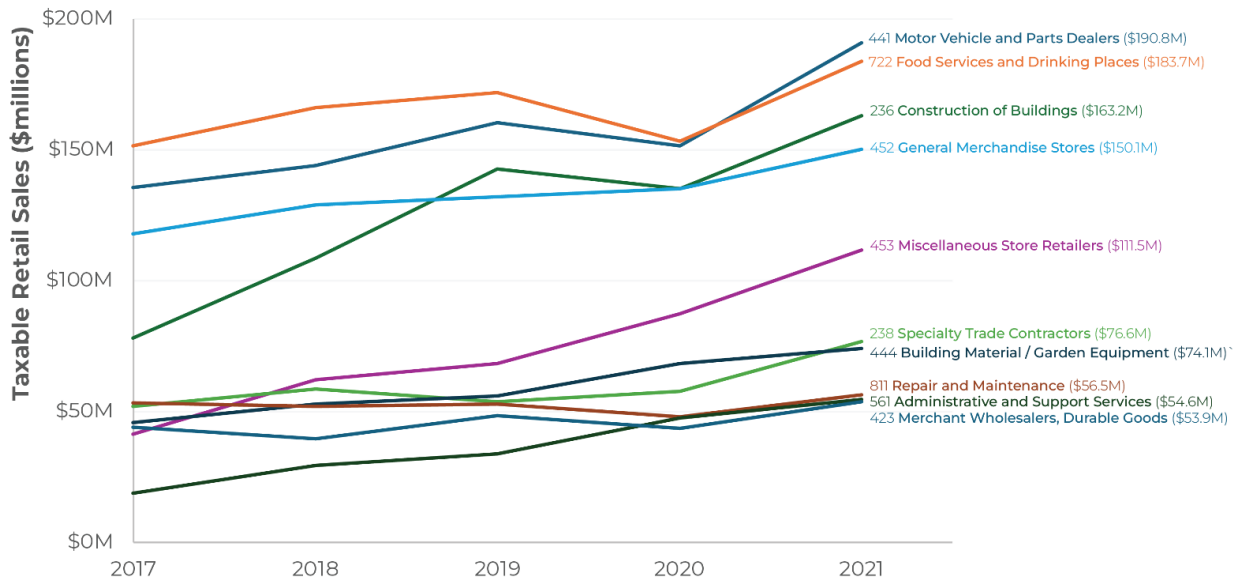
		Pull Factors					
	NAICS Designation	Lakewood	Fife	Gig Harbor	Steilacoom	Tacoma	University Place
<b>44-45</b>	<b>Retail Trade</b>	<b>1.14</b>	<b>10.11</b>	<b>2.77</b>	<b>0.31</b>	<b>1.44</b>	<b>0.51</b>
441	Motor Vehicle and Parts Dealers	0.90	35.85	0.55	0.01	1.81	0.05
444	Building Material and Garden Equipment and Supplies Dealers	1.12	1.40	5.69	0.18	1.13	0.16
445	Food and Beverage Retailers	1.40	0.67	3.74	0.02	1.37	1.30
449	Furniture, Home Furnishings, Electronics, and Appliance Retailers	0.78	3.61	1.83	0.55	1.37	0.72
455	General Merchandise Retailers	1.63	3.07	6.53	0.10	1.11	0.58
456	Health and Personal Care Retailers	1.42	1.04	3.00	0.19	1.62	0.66
457	Gasoline Stations and Fuel Dealers	1.30	5.70	1.27	0.88	1.02	0.35
458	Clothing, Clothing Accessories, Shoe, and Jewelry Retailers	0.91	1.07	2.41	0.36	1.85	0.44
459	Sporting Goods, Hobby, Musical Instrument, Book, and Miscellaneous Retailers	1.15	2.70	1.86	0.67	1.36	0.77
<b>722</b>	<b>Food Services and Drinking Places</b>	<b>1.69</b>	<b>2.01</b>	<b>3.17</b>	<b>0.24</b>	<b>1.41</b>	<b>0.58</b>
	<b>Total Retail + Restaurant</b>	<b>1.23</b>	<b>8.80</b>	<b>2.83</b>	<b>0.30</b>	<b>1.43</b>	<b>0.52</b>

Source: WA Department of Revenue, 2024.

This information highlights several important components of the Lakewood economy:

- The retail economy is important to Lakewood.** Lakewood does serve as a center for retail, and under some categories of retail business there is a net capture of customers that indicates a broader customer draw beyond the city. In 2021, this amounted to over \$203 million in retail spending above what would be expected from city residents.
- There is less specialization in Lakewood than in some surrounding communities, however.** Lakewood retail businesses, especially in the downtown and close to I-5, are likely to provide a broader capture area for customers. With respect to surrounding communities, this is more comparable to Tacoma and Federal Way. However, communities such as Fife and Puyallup have more specialized service offerings (and in the case of Fife, a higher ratio of jobs to businesses), meaning that their customer draws are larger.

**Exhibit C-10. Taxable Retail Sales by Subsector in Lakewood, 2017–2021 (Top Ten Subsectors).**



Source: WA Department of Revenue, 2024.

- Restaurant sales are one of the most principal elements of the local economy.** Food service businesses form one of the most important components of the local retail economy in Lakewood. “Food Services and Drinking Places” (722) is the largest subsector in Lakewood, resulting in \$183 million in receipts in 2021 and growing at an average of 4.6% per year since 2017. This is focused on limited- and full-service restaurants, with less focus on catering and drinking establishments.
- Construction activities provide a significant contribution to local sales taxes.** While the focus of taxes on real estate are often on local real estate excise taxes (REETs), a sizable portion of local sales taxes result from sales taxes charged to construction contractors. This amounted to over \$280 million in taxable sales in 2021, with \$163 million consisting of building construction and the remainder resulting from other types of construction or specialized trade work. This is important to note as this may be sensitive to overall real estate market conditions; in 2022, these receipts dropped by 15% due to changes in building activity.
- Explicit gaps in local retail are limited, but there are opportunities to expand.** In examining the data related to taxable retail sales, Lakewood is positioned as a service center for the area. However, compared to expected expenditures, there are some individual types of businesses that are not as strongly represented in the city, including new car dealers, RV/boat dealers, electronics stores, and lawn and garden equipment. While this does not mean that the city should necessarily work to recruit these businesses, there may be local opportunities to meet these needs with new local activity.

# D Energy and Climate Change

## D.1 Introduction

It is increasingly evident that there are strong relationships between greenhouse gas emissions and transportation and land use patterns. When considering local strategies to manage these effects, it should be recognized that Lakewood possesses the potential for building high-density, diversified, mixed-use projects near current transit systems, schools, parks, and neighborhoods. By integrating energy-efficient and sustainable practices into buildings and streetscapes, the community can be made more resilient to future climate change impacts and can reduce the emissions of the greenhouse gases that contribute to the issue. The Comprehensive Plan Chapter integrates these concepts to encourage sustainable development through the preservation of natural resources, the promotion of transit-oriented development, access to various transportation modes, and advocacy for green building.

This section provides the following to support the Energy and Climate Change Element of the Comprehensive Plan:

- Describes potential climate change impacts, energy use and greenhouse gas emissions;
- Highlights key findings and recommendations;
- Defines goals for energy and climate change; and
- Highlights the engagement coordinated for this effort.

## D.2 Defining the Issue

### D.2.1 What is Climate Change?

A balance of naturally occurring gases dispersed in the atmosphere determines the Earth's climate by trapping solar radiation. This phenomenon is known as the "greenhouse effect." Modern human activity, most notably the burning of fossil fuels for transportation and electricity generation, introduces substantial amounts of carbon dioxide and other gases into the atmosphere. Reductions in the planet's forested regions where greenhouse gases are stored is also a major contributor to the increasing greenhouse effect. Collectively, these gases intensify the natural greenhouse effect, causing global average surface temperature to rise, which in turn affects global climate patterns.

### D.2.2 Energy and Climate Change

Fossil fuels are the primary source of energy in America today. The transportation sector is the single largest consumer of fossil fuels, followed by buildings which use substantial amounts of energy for lighting, heating, and cooling. In addition to growing global, national, and local concern over potential impacts of fossil fuel use and their impacts on overall environmental health, there is also widespread uncertainty about the availability and cost of energy.

As the cost of fossil fuel increases, alternatives to private automobiles will become more economically viable. The market for renewable energy is growing each year. Increased greenhouse gas emissions (GHGs), especially CO<sub>2</sub> from the use of fossil fuels for energy generation, the dwindling existence of fossil fuel coupled with its high costs, are fueling the renewable energy market. However, the generation of energy from renewable sources requires large capital investments.

For the first time ever, in April 2019, this country's renewable energy outpaced coal by providing 23 percent of US power generation, compared to coal's 20 percent share. In the first half of 2019, wind and solar together accounted for approximately 50 percent of total US renewable electricity generation, displacing hydroelectric power's dominance.

Declining costs and rising capacity factors of renewable energy sources, along with increased competitiveness of battery storage, drove growth in 2019. In the first half of the year, the cost of onshore wind and utility-scale solar declined by 10 percent and 18 percent, respectively, while offshore wind took a 24 percent dip. The greatest decline was in lithium-ion battery storage, which fell 35 percent during the same period. This steady decline of prices for battery storage has begun to add value to renewables, making intermittent wind and solar increasingly competitive with traditional, "dispatchable" energy sources.

The renewable energy sector saw significant demand from most market segments as overall consumer sentiment remained positive. Renewable energy consumption by residential and commercial customers increased 6 percent and 5 percent, respectively, while industrial consumption declined slightly, by 3 percent, through June 2019 compared with the previous year. As in 2018, US corporate renewable energy contracts once again hit new levels, as corporations signed power purchase agreements (PPAs) for 5.9 gigawatts (GW) of renewable energy in the first half of 2019.



## D.2.3 Potential Impacts of Climate Change

### Overview

The Intergovernmental Panel on Climate Change findings confirm that human activities are the primary cause of climate change. Climate impacts can be difficult to observe, in part because changes occur slowly over many years.

Scientists expect changing temperatures to result in: disruption of ecosystems; more frequent and damaging storms accompanied by flooding and landslides; increases in the number and severity of heat waves; extended water shortages because of reduced snowpack; increased likelihood of wildfires; and disturbance of wildlife habitats and agricultural activities.

### Impacts in the Pacific Northwest

By the 2020s, the average temperatures could be higher than most of those experienced during the 20th Century. The Pacific Northwest is expected to undergo seasonal temperature changes, with warming in both summer and winter. While alterations in precipitation patterns are anticipated during these seasons, they remain unpredictable. The changes in winter precipitation are more certain than those in the summer. Future climate projections suggest continued oscillations between wet and dry conditions, which might make the impact of climate change difficult to discern.

There has been an observed increase in the variability of average winter (October-March) season precipitation since 1973 for the Pacific Northwest, but no information on changes at smaller time scales (monthly, daily changes). The cause of this change is unknown. Heavy rainstorms are expected to increase globally; whether they do in the Pacific Northwest will be related to where and how the storm track moves in the future – it could increase, decrease, or stay the same.

Sea levels will increase globally, but there is much uncertainty in the specific amount of increase and how it will vary by location. Coupled with sea level rise, there could also be land subsidence.

### Impacts to Washington State

The United States Environmental Protection Agency (EPA) published a synopsis of the impacts that climate change could have on Washington. Over the past century, most of Washington State has warmed one to two degrees (F). Glaciers are retreating, the snowpack is melting earlier in the year, and the flow of meltwater into streams during summer is declining. In the coming decades, coastal waters will become more acidic, streams will be warmer, populations of several fish species will decline, and wildfires may be more common.

- **Coastal impacts.** Sea level rise will threaten coastal development and ecosystems. Erosion will threaten homes and public property along the shore. Increased flooding could threaten wastewater treatment plants, ferry terminals, highways, and railroads along Puget Sound.
- **Tidal wetlands.** Mudflats, marshes, and other tidal wetlands provide habitat for birds and fish. As water levels rise, wetlands may be submerged or squeezed between the rising sea and structures built to protect coastal development.

- **Snowpack and river systems.** Three thousand glaciers cover about 170 square miles of mountains in Washington, but that area is decreasing in response to warmer temperatures. The flows of water in rivers and streams are increasing during late winter and early spring but decreasing during summer. Warmer winters have reduced the average snowpack in Washington by 20 percent since 1950. The snowpack is now melting a few weeks earlier than during the 20th century, and, by 2050, it is likely to melt three to four weeks earlier. Decreasing snowpack means there will be less water flowing through streams during summer. Moreover, rising temperatures increase the rate at which water evaporates (or transpires) into the air from soils and plants. More evaporation means that less water will drain from the ground into rivers and streams.
- **Fishing and recreation.** Declining snow and streamflow would harm some economic sectors and aquatic ecosystems. Less snow means a shorter season for skiing and other winter recreation. Water temperatures will rise, which would hurt Chinook and sockeye salmon in the interior Columbia River Basin. The combination of warmer water and lower flows would threaten salmon, steelhead, and trout. Lower flows would also mean less hydroelectric power.
- **Forest fire risks.** Climate change is likely to more than double the area in the Northwest burned by forest fires during an average year by the end of the 21st century. Higher temperatures and a lack of water can also make trees more susceptible to pests and disease, and trees damaged or killed burn more readily than living trees. Changing climate is likely to increase the area of pine forests in the Northwest infested with mountain pine beetles over the next few decades. Pine beetles and wildfires are each likely to decrease timber harvests. Increasing wildfires also threaten homes and pollute the air.
- **Agriculture.** The changing climate will affect Washington's agricultural sector, particularly fruits and vegetables, which often require irrigation. Because streams rather than ground water provide most of Washington's irrigation water, the expected decline in streamflow would reduce the water available for irrigation. About two-thirds of the nation's apples come from Washington, and most are grown east of the Cascade Mountains where the dry climate requires irrigation. The Washington Department of Ecology is concerned that yields of apples and cherries may decline in the Yakima River Basin as water becomes less available. Alfalfa, potato, and wheat farmers also require substantial irrigation.

### Impacts to Pierce County

Pierce County's climate change impacts mirror many of the impacts associated with Washington State:

- **Sea level rise.** Sea levels, depending on future global trends in greenhouse gas emissions and glacial melt rates, are anticipated to rise by up to 6 inches by 2030; up to 15 inches by 2050; and up to 57 inches by 2100.
- **Ocean acidity.** Ocean acidity is projected to increase 38–109 percent by 2100 relative to 2005 levels. Corrosive conditions are particularly of concern to the shellfish industry in Puget Sound, which depends on good water quality to grow oysters, clams, and mussels.
- **Water temperature increases.** Stream temperatures in the Pacific Northwest are projected to increase by 3°F by 2080. Warmer water temperatures will also result in more lake closures and could be lethal to salmonids and other aquatic species.

- **Disappearing glaciers on Mount Rainier.** Current trends indicate that Mount Rainier's glaciers - and other sources contributing to summertime stream flows and sedimentation in Puget Sound watersheds - will continue to melt as temperatures warm. In all years between 2003 and 2009, there has been a net melting of the Emmons and Nisqually Glaciers between 0.5- and 2.0-meters water equivalent.
- **Heat events and wildfire risk.** Extreme heat events will become more frequent while extreme cold events will become less frequent. Wildfires are expected to become more common as temperatures rise and less rain falls during summer months.
- **Landslides.** Landslides are expected to become more common in winter and spring due to projected increases in extreme precipitation events and increasing winter precipitation, particularly in areas most prone to present-day landslides.
- **Flood risks.** Flood risk is projected to increase during the fall and winter seasons as warmer temperatures cause more precipitation to fall as rain over a larger portion of the basin. Eight of the top ten peak floods have been recorded since 2006. Less snowmelt will cause the lowest flows to become lower in the summer months.
- **Sediment loads in rivers.** For rivers originating on Mount Rainier, including the Puyallup, White, Nisqually, and Carbon Rivers, sediment loads are expected to increase, further contributing to flood risk, as declining snowpack and glacial recession expose more unconsolidated soils to rain, flood flows, and disturbance events.
- **Changes in local precipitation.** Total annual precipitation in the Pacific Northwest is not projected to change, but heavy rainfall may be more frequent and intense, and summer precipitation may decrease. More rain and less snow will fall in the winter.

## Impacts to Lakewood

### *Summary of Impacts*

Local impacts are not definitive, but Lakewood could experience:

- Changes to local weather patterns leading to **more frequent peak storm events**;
- **Rising Puget Sound water levels** which could influence Chambers Creek Dam at high tides and eventually lead to overtopping;
- Intermittent lakes such as Carp Lake are likely to become **more intermittent**, or may disappear;
- Areas with steep slopes, such as Chambers Creek Canyon, with heavy rainfall events, could experience **increased frequencies of landslides**.
- There will be an **increased flood risk** in the Clover Creek watershed; rising flood waters could impact I-5 between Highway 512 and Bridgeport Way;
- Additional pollutant loading from peak storm events and higher summer temperatures are likely to make existing **water quality issues** in the city's numerous lakes and streams worse (including depleted oxygen levels and more algae bloom events); and

- **Potential for wildfires** in Fort Steilacoom Park, the open space areas behind Western State Hospital, JBLM lands adjacent to the city limits, and vacant lands within the I-5 and Highway 512 Corridors. Loss of vegetation and impacts to air quality would result from these wildfires if they were to occur.

Of particular interest for local management are the effects of local heat islands and their interaction with the local tree canopy, as well as the effects on floodplains in the city.

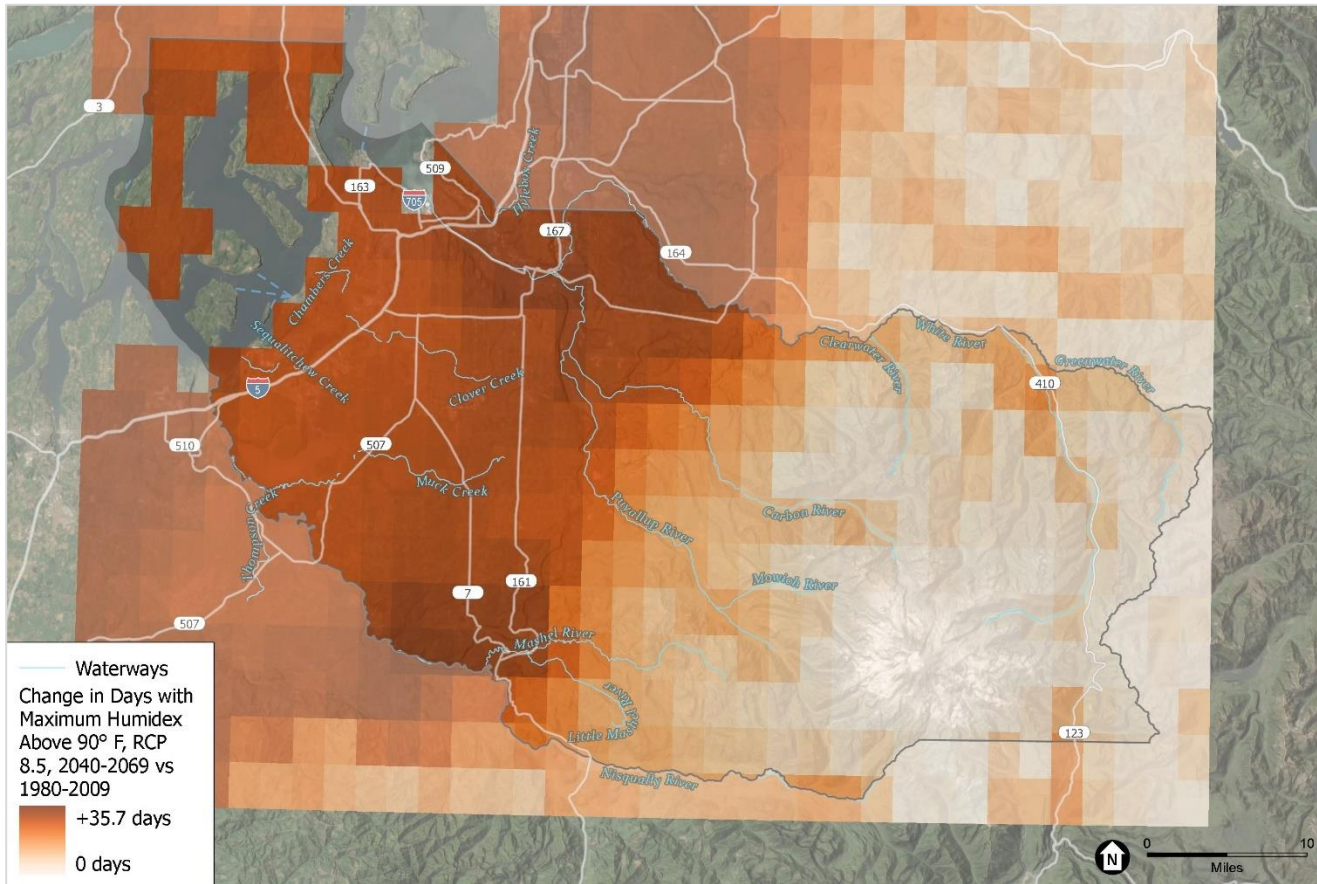
### *Urban Heat Islands & Tree Canopy*

Heat islands are defined as urbanized areas that experience higher temperatures than surrounding rural areas. (US EPA, 2024) Structures in urban environments, such as buildings, roads, and infrastructure, absorb and re-emit heat from the sun at a greater level than the natural environment. With decreased greenery and high concentration of structures, it produces urban heat islands, particularly in summer months. The impacts of urban heat islands can result in increased energy and electricity consumption to cool buildings, and increased GHG emissions due to increased electricity demand.

Urban heat islands and excessive heat events pose increased risk to vulnerable populations that include older adults, young children, low-income populations, people in poor health, and people who spend their working hours outdoors. Urban heat islands can also negatively affect water quality due to warmed stormwater runoff increasing the water temperature in streams, rivers, ponds, and lakes. This water temperature warming can stress aquatic life. Urban heat islands can be mitigated by expanding the tree canopy within a city.

Exhibit D-1 provides the expected increases in extreme heat events, defined as the projected increases in high humidex days for 2040–2069. Lakewood is in the urbanized area in western Pierce County that will experience more extreme heat events over the coming years.

**Exhibit D-1. Extreme Heat and Days above 90°F Humidex.**

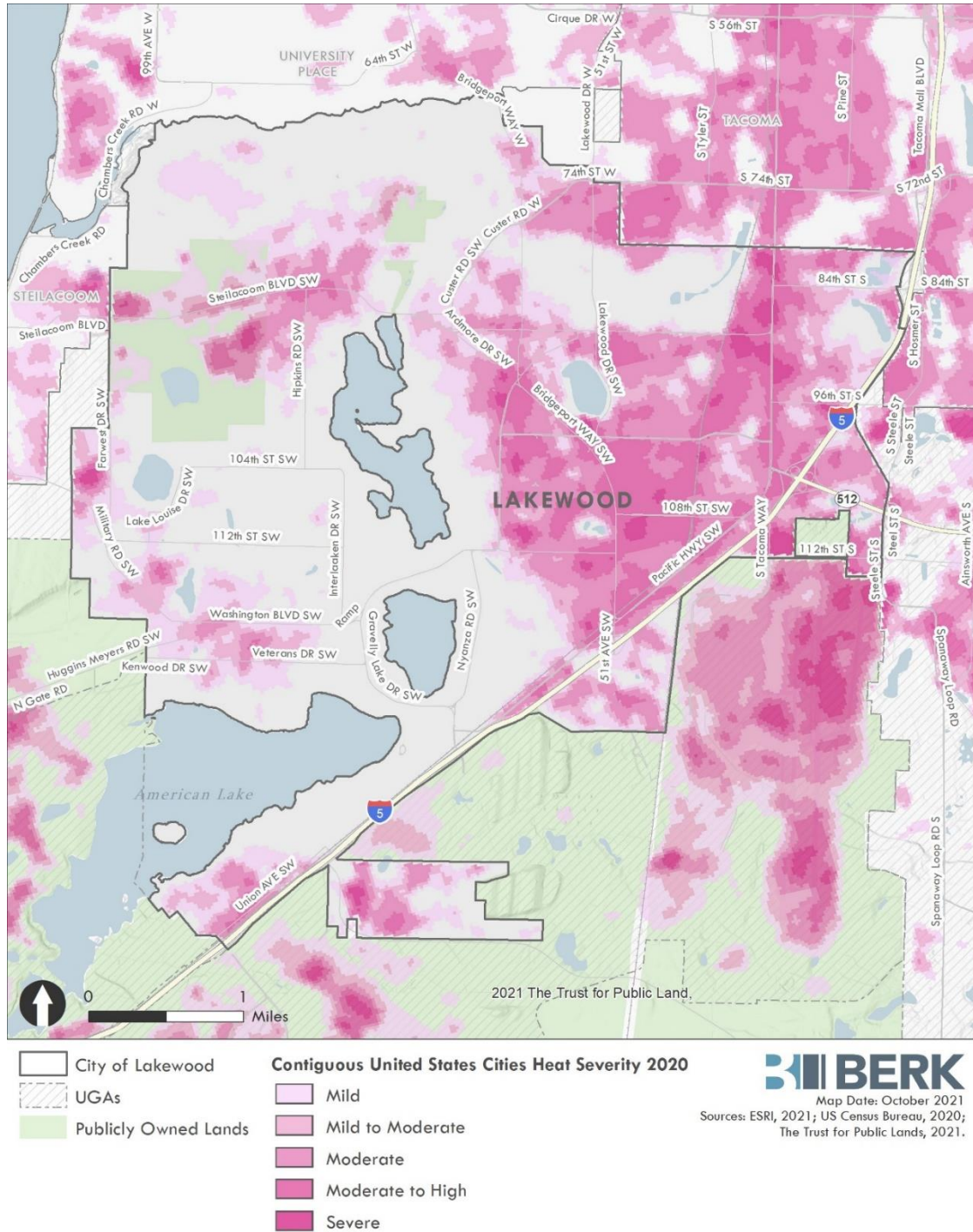


Sources: Abatzoglou and Brown 2012; BERK 2023; UW CIG 2022.



Exhibit D-2 depicts the level of heat severity in the city, highlighting areas with urban heat islands. Urban heat islands with high to severe heat severity are in the eastern part of the city, near the city center and the developed commercial, industrial, and multifamily areas.

**Exhibit D-2. Lakewood Heat Severity (2020)**

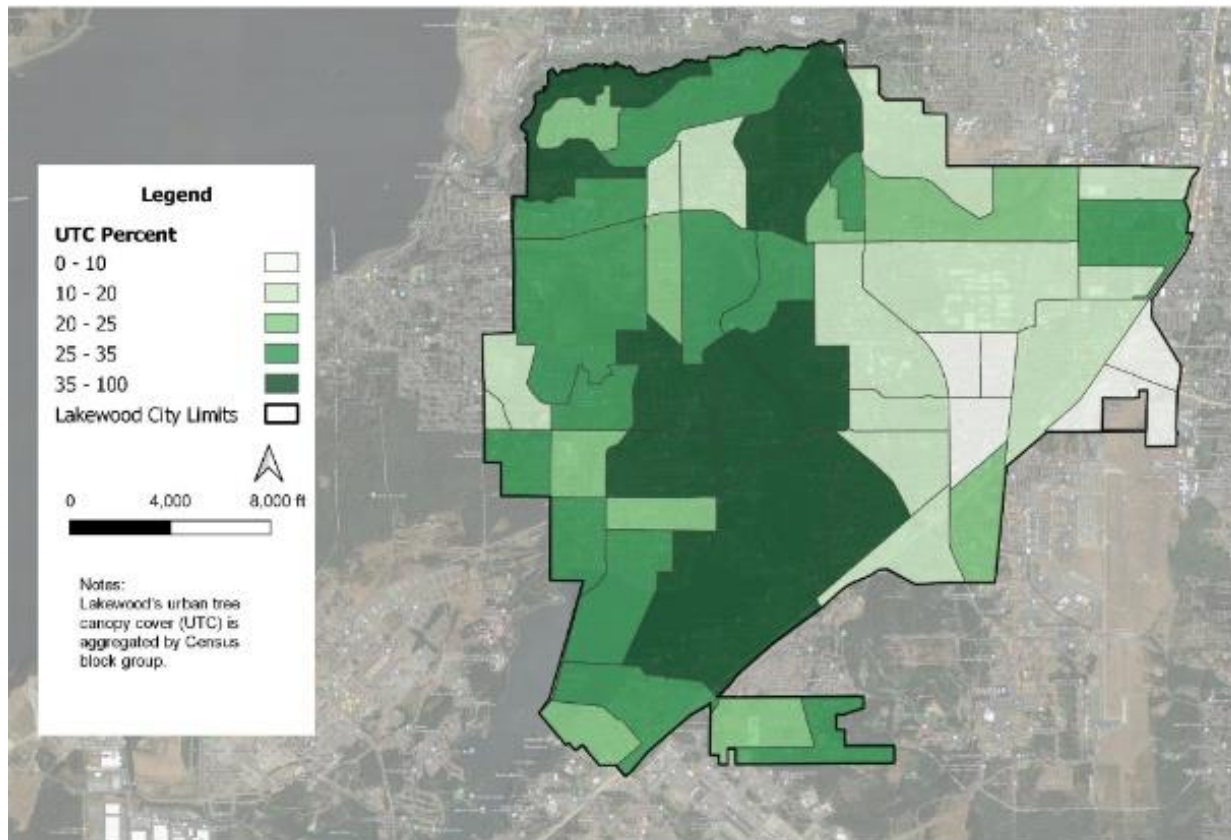


Sources: ESRI, 2021; US Census Bureau, 2020; Trust for Public Lands, 2021



Exhibit D-3 shows the current tree canopy coverage in the city. The tree canopy is 29%, with 13 square kilometers of tree canopy coverage. The tree canopy is the highest in neighborhoods in the northwestern and central areas of the city. Areas with low amounts of tree canopy coverage include the northeastern and mid-western parts of the city.

**Exhibit D-3. Tree Canopy Coverage in the City of Lakewood**

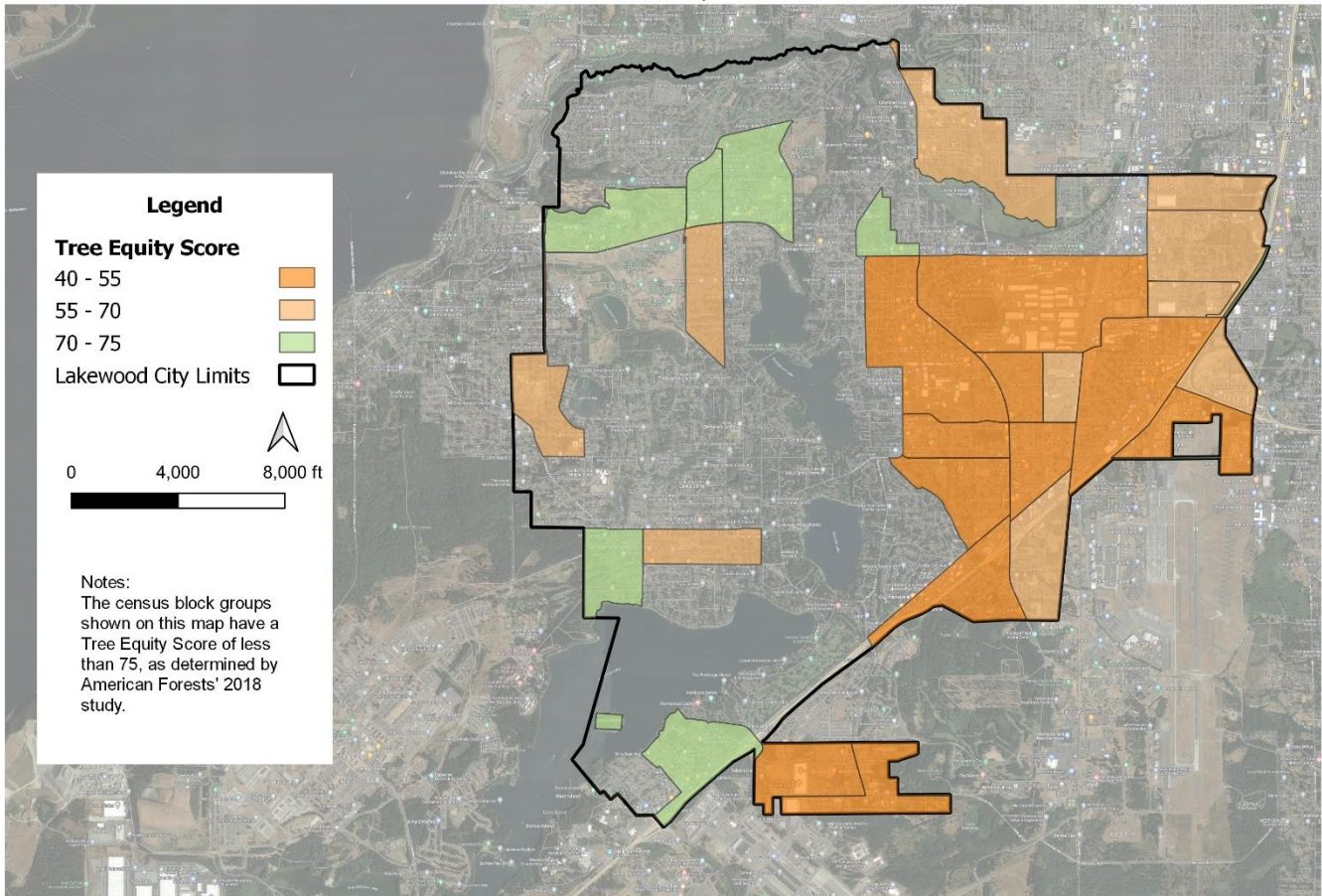


Source: Plan-it GEO, prepared for City of Lakewood 2022

A lack of adequate tree canopy coverage contributes to an increased urban heat island effect, particularly for vulnerable populations. An increase in tree canopy coverage can contribute to carbon sequestration and improve air quality, improve community health and well-being, cool the air, and manage stormwater. (MRSC, 2023)

Exhibit D-4 identifies areas with less tree canopy and a greater share of overburdened communities (lower incomes, unemployment, persons of color) indicates areas with less equity in tree canopy. These areas are in the greater developed commercial, industrial, and multifamily areas.

**Exhibit D-4. Tree Equity Score Less than 75, American Forest 2018**



Lakewood, WA Tree Preservation Code Update 2022

Source: American Forest, Tree Equity.org, Plan-it Geo, 2022

*Floodplains and Surface Water*

The following maps provide perspectives on the increased risks Lakewood will face over the coming years associated with changes to precipitation and the associated effects on stormwater and flood risks:

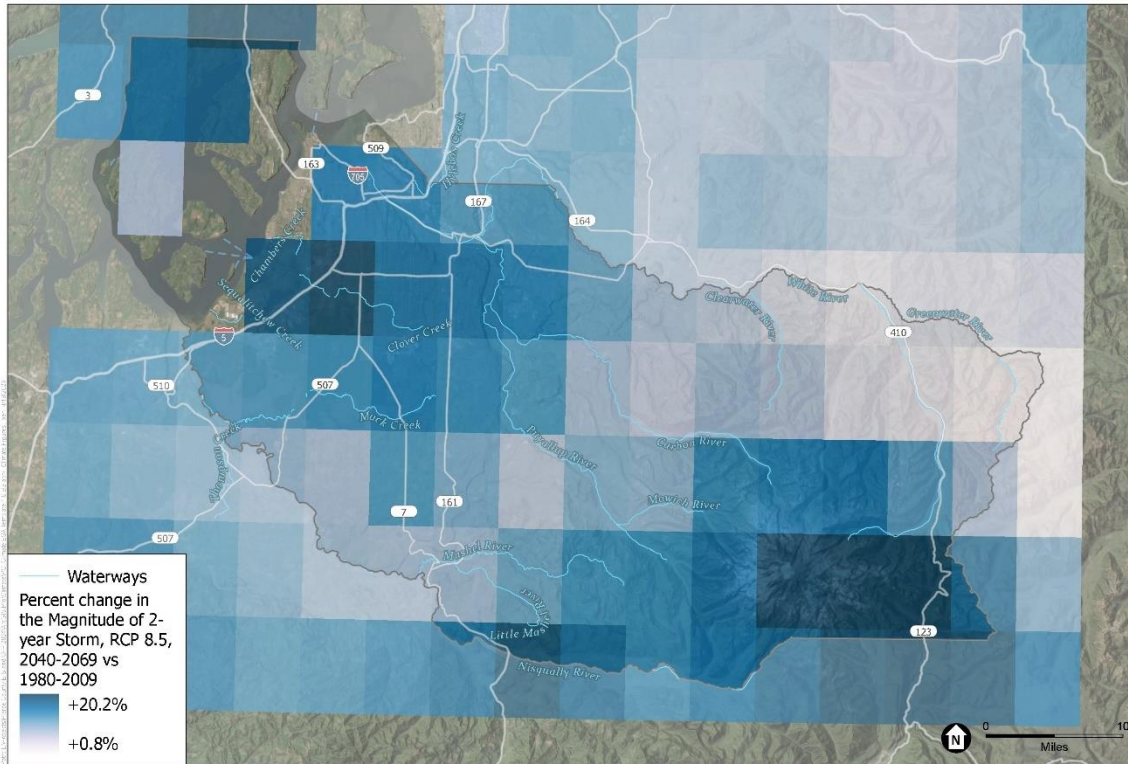
- Exhibit D-5 presents the percent change in magnitude for two-year storms for the 2040–2069 period across Pierce County, which provides a general assessment of the expected increase in intensity for major storm events.
- Exhibit D-6 highlights the expected percent change in annual maximum streamflow for the 2040–2069 period for identified streams, with a focus on Lakewood.
- Exhibit D-7 provides the 2019 revisions to the 100-year floodplain map for the area of Lakewood close to the 51<sup>st</sup> Ave SW interchange for I-5.

Approximately 9%, or 1,098 acres, of Lakewood's total area is covered by lakes and other surface water, with a notable presence of creeks and wetlands. The Clover Creek watershed, the principal watershed within the city limits, saw a significant update in 2019 when FEMA revised the 100-year floodplain map. The new map indicates a raised flood risk, with floodwaters from a 100-year event in Clover Creek expected to have an expanded impact on the Springbrook neighborhood, I-5, and areas within the Hillside and Downtown neighborhoods.

This highlights that the city is subject to potential climate change impacts related to peak storm events and flooding. This may directly impact key infrastructure such as I-5 between Highway 512 and Bridgeport Way. Additionally, the area could experience increased risk and potential damage from floods in general, as well as higher pollutant loads that could worsen water quality issues in the city's multiple lakes and streams.

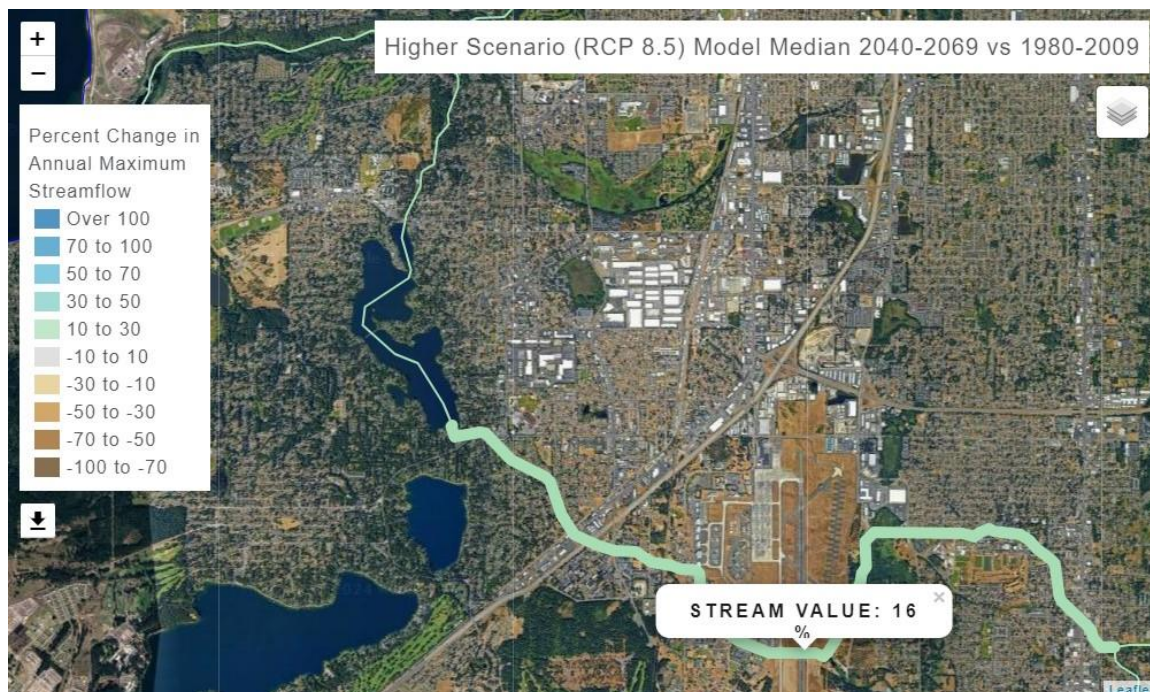


**Exhibit D-5. Extreme Precipitation, Pct Change Magnitude of the 2-Year Storm: 2040–2069 Higher Scenario.**



Source: Salathé et al. 2010; BERK 2023; UW CIG 2022.

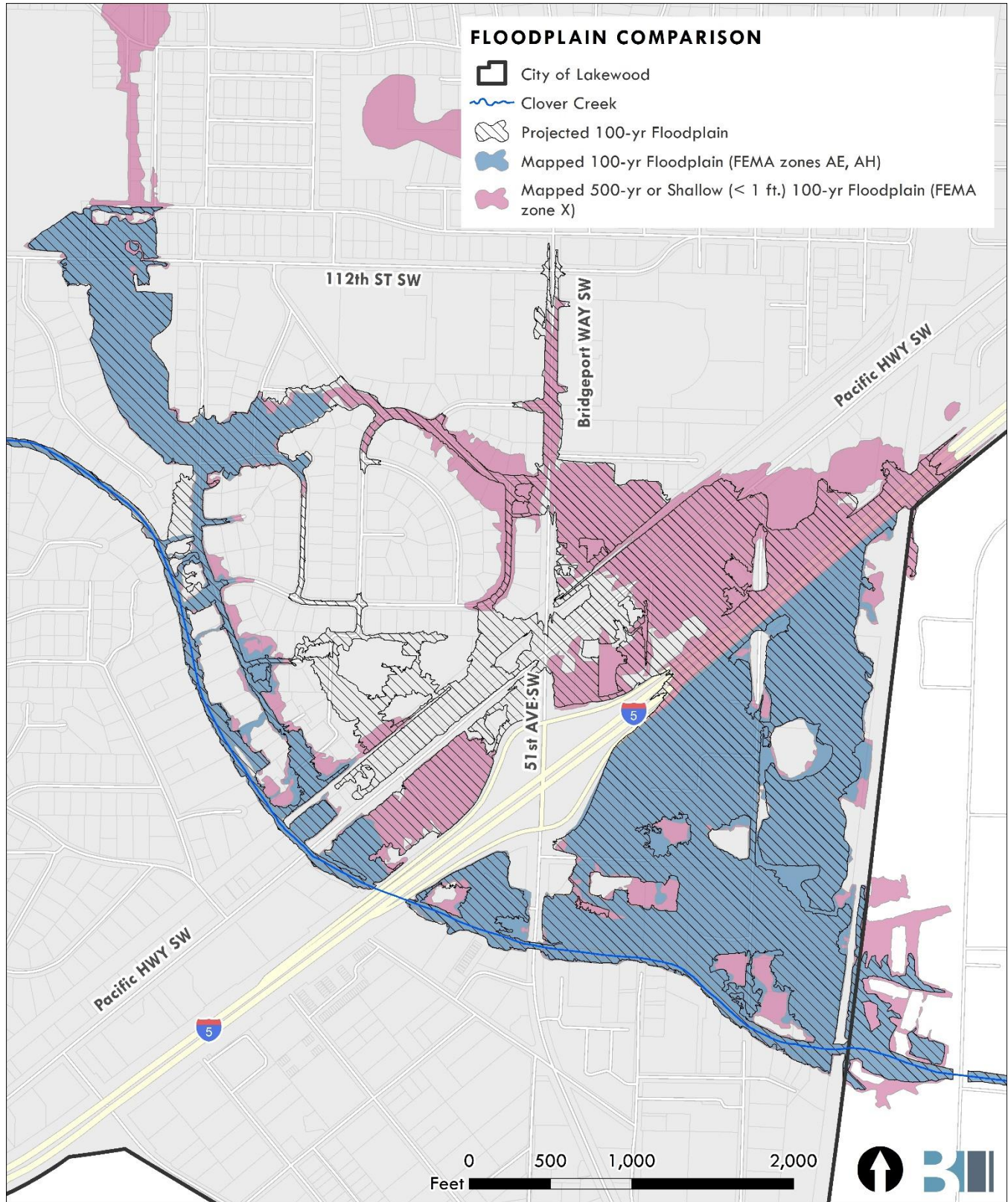
**Exhibit D-6. Percent Change in Annual Maximum Streamflow.**



Source: UW CIG 2022.



Exhibit D-7. Clover Creek FEMA Floodplain Comparison.



Source: FEMA, 2017; BERK 2022

### *Wildfire Risk*

In recent years, communities across western Washington have grown increasingly concerned about the role of climate change in amplifying wildfire risk in the region. The prevalence of large-scale wildfires in eastern Washington, California, British Columbia, and elsewhere have led to smoke events that have directly impacted air quality in western Washington, which have exacerbated health risks to vulnerable populations. Additionally, shifting climate patterns are also expected to increase the likelihood of wildfires in local communities, increasing the risk of property loss and impacts to city residents.

As these changes become more pronounced, there is a growing need to prepare for and respond to wildfire dangers and raise public awareness about the associated risks. In Lakewood, portions of the city are also at higher risk of wildfires. As shown in Exhibit D-8, these areas are categorized as “interface” and “intermix”, where structures or developments are surrounded on two or more sides by wildlands.

### *Disparate Impacts*

Climate change disproportionately impacts disadvantaged communities due to existing vulnerabilities and a lack of capacity for adaptation. For one, these communities often face greater exposure to climate hazards such as heatwaves, floods, and poor air quality because of their location and local conditions. Lower-income neighborhoods may lack adequate infrastructure to withstand severe weather events, for example, leading to increased flood risks and damage to property. These communities are also often found in areas with higher environmental pollution, which can compound health impacts such as respiratory issues from increased air pollution.

The ability of disadvantaged communities to cope with and recover from climate-related hazards is often limited by systemic inequities. Socioeconomic factors such as lower income, limited access to healthcare services, and reduced mobility limit the capacity to prepare for or respond to disasters. The combination of these factors leads to a higher overall risk, making climate resilience a critical issue for these populations even more than the broader public. This can require targeted policies that not only mitigate climate hazards but also strengthen the social and economic fabric of these communities.

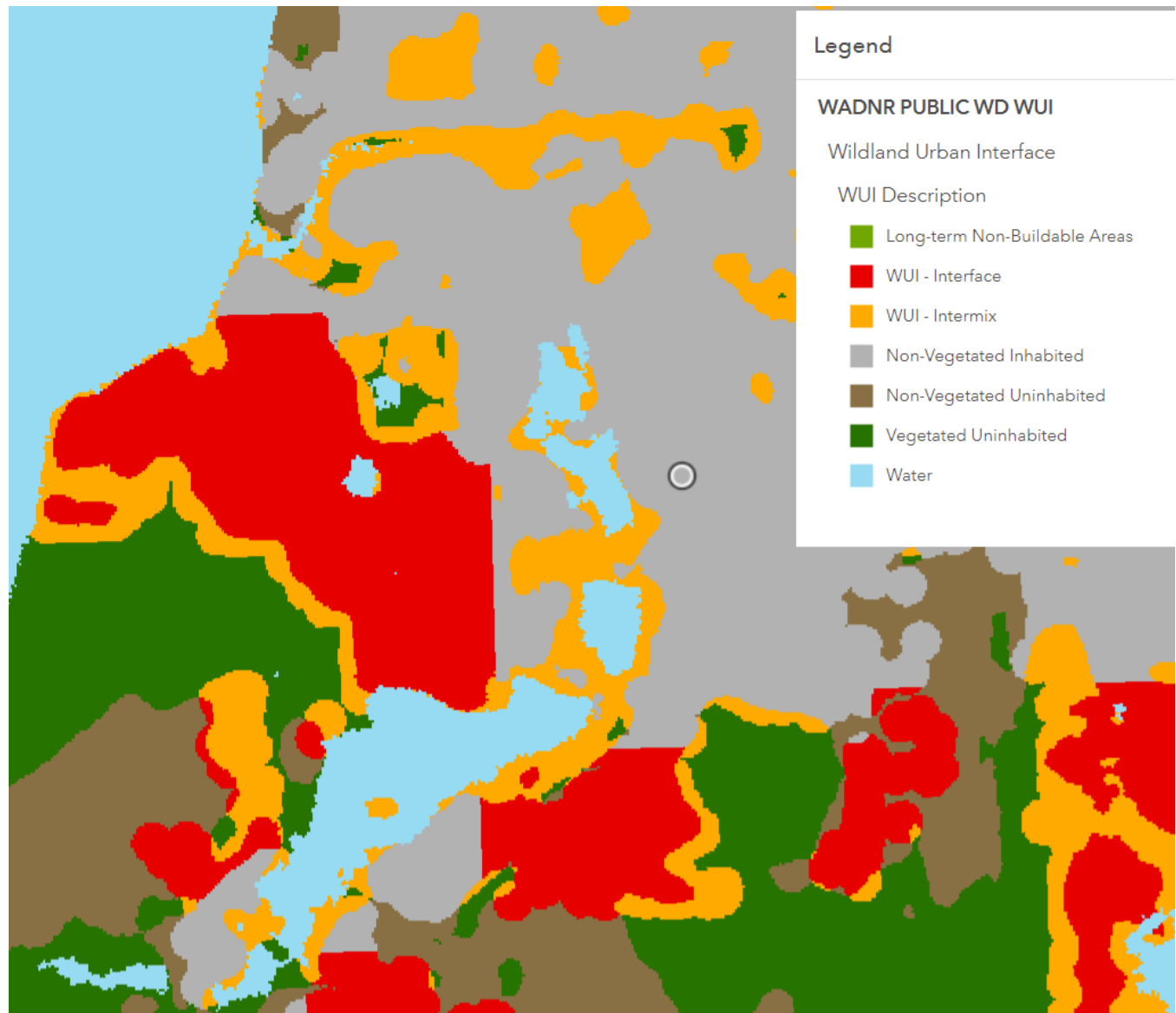
The following exhibits identify major concerns for disparate impacts in Lakewood:

- Exhibit D-9 presents the broader equity index map, which is used by the city to identify and qualify concerns with inequities in different systems.
- Exhibit D-10 displays both exposure to climate-related hazards and an associated equity index to highlight those areas where communities both face significant climate impacts and may not have the resources to manage these impacts effectively.

From these maps, there are several communities where these effects are particularly severe. Areas such as Parkland, Midland, Lakewood, Spanaway, and JBLM include the highest concentrations of low-income households in Pierce County, which make them highly vulnerable to these impacts and should present a focus for future policy.

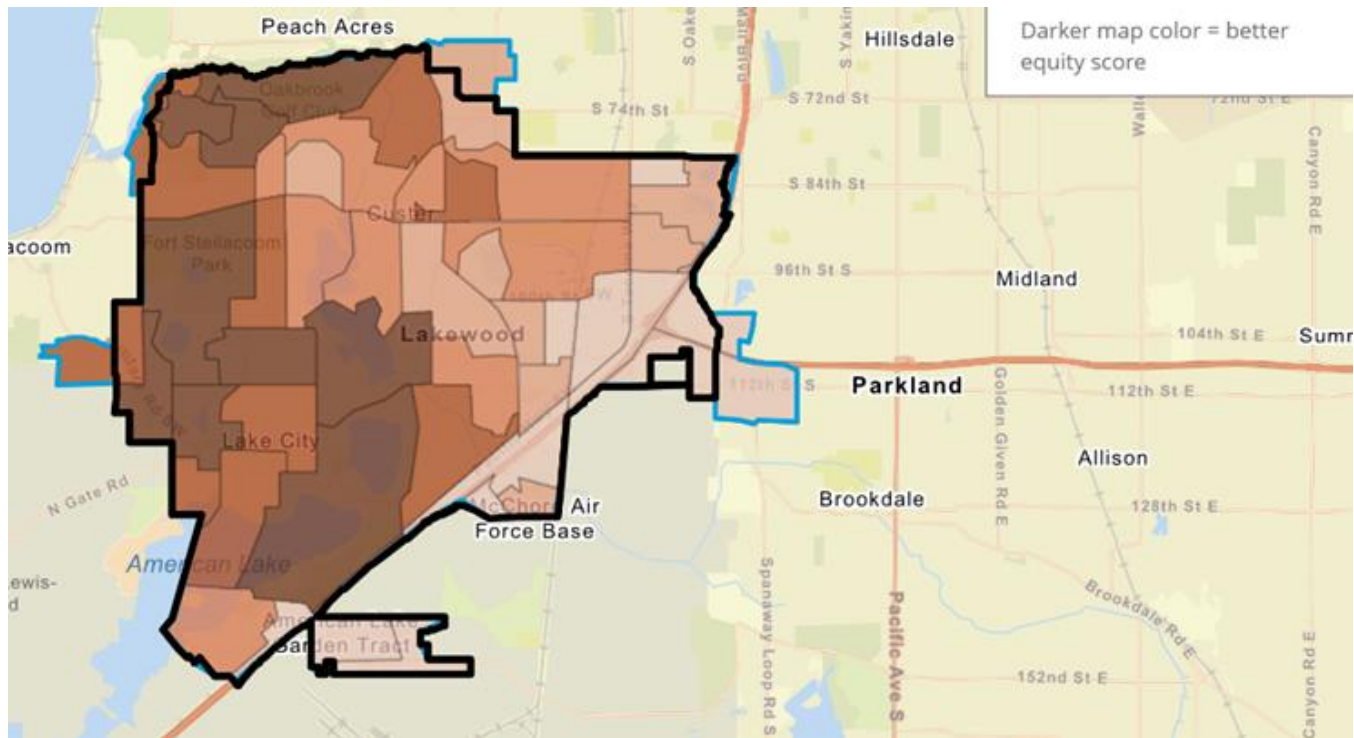


Exhibit D-8. Wildland Urban Interface, Department of Natural Resources



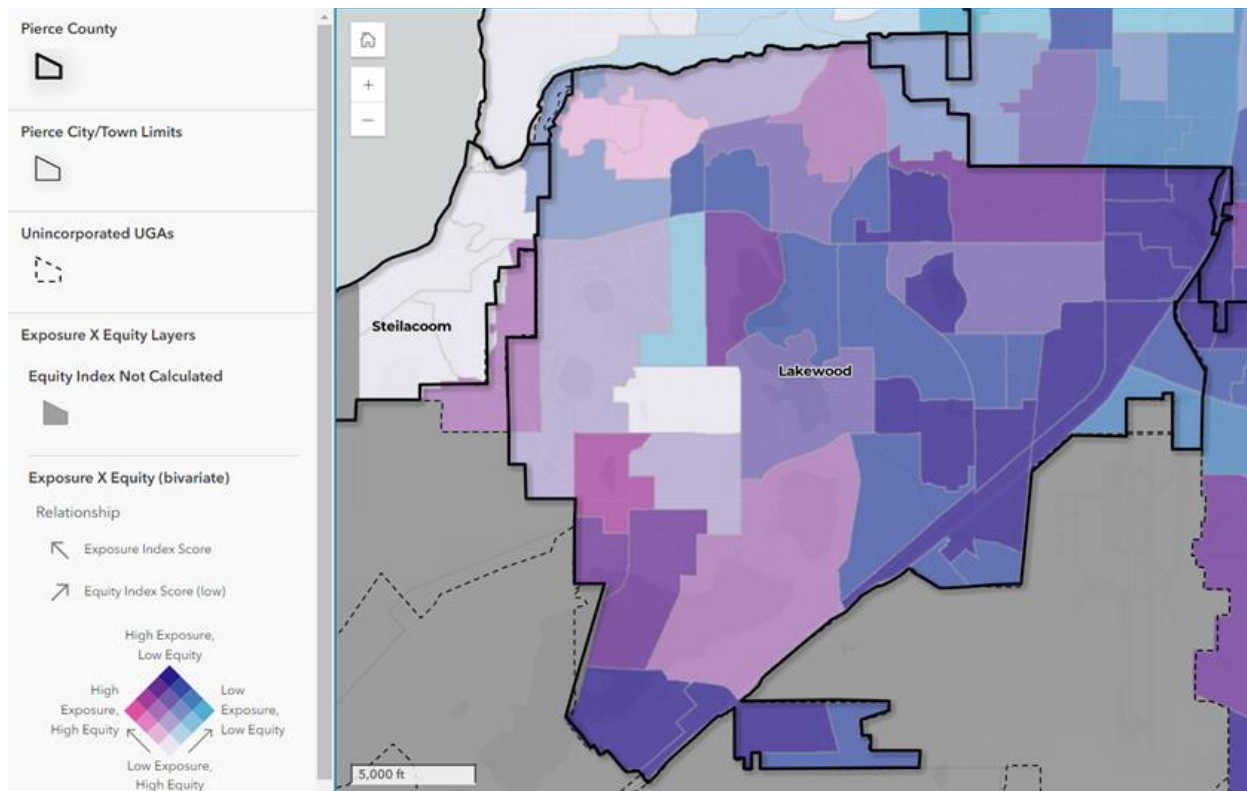
Source: Department of Natural Resources, May 30, 2024.

Exhibit D-9. Lakewood Equity Index Map.



Source: US Census 2020; CAI, 2024.

Exhibit D-10. Climate Exposure and Equity in Lakewood Vicinity.



Source: BERK 2023.

## D.2.4 Climate Change, Environmental Justice, and Equity

### *The HEAL Act*

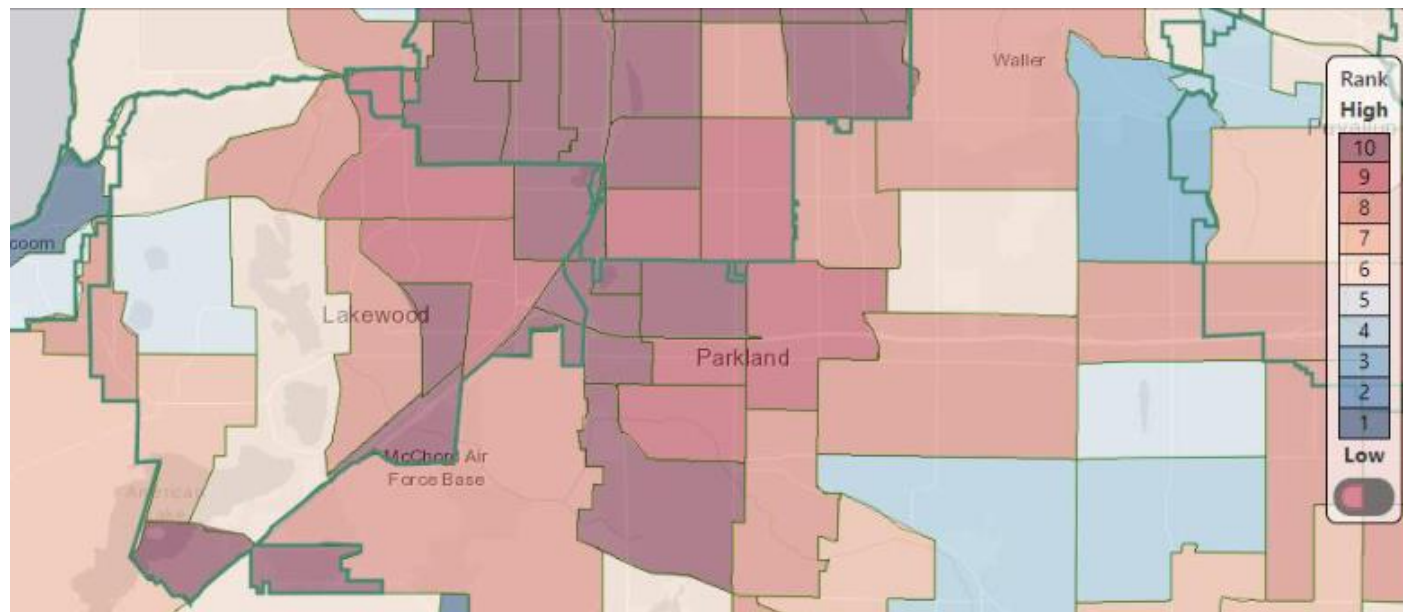
Recently enacted with an effective date of July 25, 2021, the HEAL Act defines environmental justice in state law, creates an Environmental Justice (EJ) Council and an interagency workgroup, and requires the Departments of Health, Ecology, Agriculture, Natural Resources, Commerce, and Transportation, and the Puget Sound Partnership to:

- Incorporate EJ in their strategic plans or other planning documents;
- Plan for meaningful community engagement and public participation;
- Conduct environmental justice assessments;
- Implement equitable budget and funding practices; and
- Report progress, as evaluated by the EJ Council, in implementing the requirements of the HEAL act on public dashboards.

HEAL requires that the Department of Health (DOH), in consultation with the EJ Council, continue to develop and maintain an environmental health disparities map with the most current information necessary to identify cumulative environmental health impacts and overburdened communities. State agencies would be directed to consider environmental justice throughout their actions and decision-making processes, helping the state meet its environment and equity goals more efficiently and effectively. The HEAL Act is meant to improve the enforcement and implementation of statewide programs and policies to work towards ensuring the highest attainable environmental quality and health outcomes for the state and its residents.

The DOH environmental health disparities map is shown as Exhibit D-11 below. A review of the map shows Lakewood's level of disparities is high for large sections of the city. Neighborhoods with elevated levels of disparity and exposure include northeast Lakewood (the Air Corridor zones), central Lakewood, Springbrook, Tillicum, and Woodbrook. Lakewood also has two sites on the Superfund National Priority List, one in Woodbrook and the other in Springbrook near Pacific Highway SW. Nearby, there are six Superfund National Priority sites found on McChord Field.

**Exhibit D-11. Environmental Health Disparities Map, Lakewood and Area.**



Source: Washington State Department of Health, 2022.

The HEAL Act, still under development, may present grants and contracting chances that uphold environmental justice values, with a specific aim of allocating 40% of environmental benefit expenditures to vulnerable groups and overwhelmed communities. Monitoring the HEAL Act's budget and funding methodologies will be crucial for the city going forward.

*Lakewood City Council Statement on Equity*

Related to environmental justice principles, the Lakewood City Council adopted Resolution 2021-05 acknowledging that equity is essential to a healthy community. The Council committed to the following practices:

- Instilling equity as a priority of policy and the delivery of services;
- Enacting initiatives that support and celebrate the diversity of the community;
- Ensuring equity in municipal planning;
- Identifying and dismantling preconceived prejudices;
- Increasing sensitivity to social norms and cultural expectations; and
- Pursuing justice and equity for all residents.

While no direct mention is made to environmental justice, the city's practices aligns closely with the HEAL Act definition of environmental justice, "...the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. This includes addressing disproportionate environmental and health impacts by prioritizing vulnerable populations and overburdened communities, equitably distributing resources and benefits, and eliminating harm."

## D.3 Lakewood and Climate Change Response

As it prepares for climate change, Lakewood has several advantages as well as some challenges in developing a clear response. Additionally, there have already been policy actions taken to date both to address emissions of GHGs and mitigate the ongoing effects of climate change.

### D.3.1 Advantages

- **Climate:** Lakewood's moderate climate means lower heating and cooling demands than other areas in the nation and globally.
- **Access to hydroelectric power:** Two of the three power companies that serve Lakewood receive power from hydroelectric plants.
- **Rental Housing Safety Program (RHSP):** Requiring minimum building code inspections in the city's large and older rental housing stock potentially reduces energy costs for renters, many of whom fall into low-income categories. According to the U.S. Energy Information Administration, 43 percent of renters report examples of energy insecurity compared to 24 percent of homeowners. Building energy efficiency is widely recognized as one of the best strategies for combating climate change and other energy problems.
- **Infill potential:** Several underutilized parcels provide opportunities to develop walkable, mixed-use environments to meet residents' needs. However, care must be taken to ensure that these parcels connect to community attributes and open space, whether public or private.
- **Transportation:** Some residents have convenient access to transportation alternatives. Pierce Transit provides several bus routes connecting Lakewood to other parts of Pierce County. Sound Transit provides regular bus transportation to Sea-Tac International Airport, in addition to a commuter rail station. Two transit stations and two park-and-rides are in the city.
- **Recently revised land use regulations:** Lakewood has adopted a Downtown Subarea Plan and a Lakewood Station District Subarea Plan, as well as a new subarea plan for the Tillicum-Woodbrook neighborhood.
- **Adopted non-motorized transportation plan:** The plan provides a comprehensive plan to enhance the Lakewood urban area pedestrian and bicycle systems. This effort was initiated by the city to address long range transportation goals and policies. Originally adopted in 2009, the plan should be updated to better reflect many land policies changes that have occurred in the past 10-years. In 2013, the city amended the non-motorized plan figures for bike and pedestrian routes. This action was taken as part of the adoption of the Transportation Benefit District. The city did not formally update the non-motorized plan, but a new Non-Motorized Transportation Plan has been developed as of 2023.
- **Adopted complete streets policy:** The city adopted an ordinance in 2016 recognizing transit, bicycling, and walking as fundamental modes of transportation are of equal importance to that of passenger vehicles. This led to the city reconstructing Motor Avenue SW into a complete street.
- **Promoting energy conservation:** The city has already installed LED lighting for all streetlights (2,372) and all traffic signals (69).

- **Open space protections:** The city has taken action to protect and preserve open spaces both on private and public properties. A review of the National Land Coverage Database, between 2001 and 2016, shows no net loss in open space. The city has also been active in expanding its parks.
- **Tree preservation:** Since 2001, the city has had in place a tree preservation ordinance. The city is also proactive about restricting the removal of trees without permits and over the years, the city has fined property owners accordingly. Fines that are collected go into a tree preservation fund which was informally established through the city's master fee walkability when many of the basic services are non-existent.
- **Transportation:** Several challenges persist with providing adequate transportation for all Lakewood residents. The community lacks a bus rapid transit system. Sound Transit commuter service is limited. Low-income neighborhoods and areas with high unemployment may not be adequately served by public transit.
- **Underlying land use patterns:** Current land use patterns were established by Pierce County and the county's zoning followed basic principles. It did not offer much protection from incompatible uses. The county zoning promoted strip commercial development and auto-dependent uses.
- **State Environmental Policy Act (SEPA):** As circumstance warrant, the city uses SEPA and LMC Title 14 to mitigate the loss of trees associated with urban development. In many situations, not all, the city requires open space areas to be set aside from development.
- **City regulatory controls:** The city has enacted several regulations designed to protect or preserve and enhance the preservation of trees. Examples include the planned development district, cottage housing, and the city's tree preservation code, in addition to LMC Title 14.
- **Floodplain protections:** The city updated its floodplain regulations creating an overlay zone and new development standards.
- **Shoreline Master Program (SMP):** SMP regulations restrict development in areas buffering water bodies, streams, or wetlands.

### D.3.2 Challenges

- **Lakewood is a newer city:** Upon incorporation in 1996, Lakewood faced many challenges in providing basic municipal services. Climate change policy was not a priority. However, as the city has matured, it is now beginning to examine climate change and its impacts upon the city and region.
- **Older housing stock:** Even though Lakewood was incorporated in 1996, as a community, it has been around for over 100 years. Lakewood is primarily a suburb of Tacoma. Much of the housing stock is older and needs substantial upgrades to improve energy conservation.
- **Location:** Employment centers are primarily found in Tacoma and the Seattle-Metro area, requiring reliance upon transportation to get to work. Twenty-one percent of residents commute to Tacoma, and 19 percent to the Seattle-Metro area. About 79 percent use single occupant vehicles, 10 percent use carpool, and five percent use public transit. Average commute distance is 26.4 miles. Commuting trips are significant factors that increase CO<sub>2</sub> production.
- **Lack of a street network:** A limited grid street network is found in the city's older neighborhoods, namely Tillicum, and Lakeview. This creates access issues and requires additional vehicle miles traveled to reach destinations and can discourage walking or biking alternatives.



- **Lack of street infrastructure:** Much of Lakewood lacks curbs gutters, and sidewalks, the basic elements that promote connectivity. While the city has taken steps to improve the situation, current conditions make it difficult to promote walkability when many of the basic services are non-existent.
- **Transportation:** Several challenges persist with providing adequate transportation for all Lakewood residents. The community lacks a bus rapid transit system. Sound Transit commuter service is limited. Low-income neighborhoods and areas with high unemployment may not be adequately served by public transit.
- **Underlying land use patterns:** Current land use patterns were established by Pierce County. The county's zoning followed basic principles. It did not offer much protection from incompatible uses. The county zoning promoted strip commercial development and auto-dependent uses.
- **Lakewood is not a full-service city:** Water is provided by the Lakewood Water District. Sewer service is provided by Pierce County Utilities. Waste collection is provided under contract with Waste Management Services. Power is provided by three different power purveyors, Puget Sound Energy, Tacoma Power, and Lakeview Light and Power, a mutual non-profit company. As the city does not control these agencies, policies related to managing climate change impacts from these activities can be more limited.

### D.3.3 Policy Interventions

Policies at the local, regional, state, and federal level contribute to aiming to reduce GHG emissions in the city and surrounding area. The state's Clean Energy Transformation Act (CETA) produces the greatest reduction in emissions, along with the state's Internal Combustion Engine Ban.

#### Federal

**Federal Vehicle Regulations (CAFE):** The Corporate Average Fuel economy (CAFE) standards, regulated by the DOT and supported by the EPA, require an average of approximately 49 mpg for passenger cars and light trucks by 2026. This results in a fuel efficiency increase of 8-10% annually.

#### State

**WA Clean Buildings Act (HB1257):** This state bill requires all new commercial buildings over 50,000 square feet to reduce their energy use intensity by 15%, compared to the 2009-2018 average. The compliance date is staggered based on building size, with buildings greater than 220,000 square feet required to comply by June 1, 2026, and buildings greater than 50,000 square feet required to comply by June 1, 2028.

**WA Clean Fuel Standard (HB 1091):** This state bill sets a Clean Fuel Standard that requires a 20% reduction in the carbon intensity of transportation fuels by 2038, compared to a 2017 baseline. This reduction can be achieved through cleaner fuels or through the purchasing of clean fuel credits from cleaner producers.

**WA Internal Combustion Engine Ban (SB 5974):** This state bill establishes a target that all passenger and light duty vehicles of model year 2030 and later must be electric vehicles. Washington would ban the sale of gasoline/diesel passenger vehicles by 2030.

**WA Clean Energy Transformation Act (CETA):** CETA applies to electric utilities serving Washington customers. By 2025, utilities must eliminate coal-fired electricity from their portfolios. By 2030, these utilities must be greenhouse gas neutral, with flexibility to use some natural gas for electricity if offset by other actions. By 2045, utilities must supply Washington customers with 100% renewable or non-emitting electricity.

**WA Climate Commitment Act (E2SSB 5126):** The Climate Commitment Act places an economy-wide cap on carbon to meet the state GHG reduction targets. This applies to polluting facilities in the built environment. 35-40% of investments must be made in overburdened communities to reduce health disparities and create environmental benefits.

**WA Growth Management Act Climate Element (HB 1181):** HB 1181 requires local governments to incorporate climate change into comprehensive plans. It makes changes to the mandatory land use and transportation elements and adds a new climate change element.

### Regional

**PSRC Vision 2050:** The Puget Sound Regional Council (PSRC) Vision 2050 includes 12 goals related to climate change, including reducing greenhouse gas emissions to 80% below 1990 levels. PSRC also incorporates a four-part Greenhouse Gas strategy that aims to reduce GHG emissions to 80% below 1990 levels. Methods to accomplish this reduction include compact growth patterns within land use, low-carbon travel choices, and forest and open space protection.

**PSRC Regional Transportation Plan VMT Reductions:** PSRC Regional Transportation Plan (RTP) is a long-term transportation plan for the region and outlines investments being made in multi-modal transportation options, including transit, rail, ferry, roads, freight, and bicycle and pedestrian facilities.

### Local

**Energy and Climate Change Chapter:** In 2021, the City of Lakewood adopted a new Comprehensive Plan Energy and Climate Change Chapter (ECCC), based on low- or no-cost International Council for Local Environmental Initiatives (ICLEI) and Google Environmental Impact Explorer (EIE) data collection tools. By adopting this chapter, the city intends to proactively develop policies, incentives, and voluntary actions, and potentially regulations prior to the development of state mandates.

**City Tree Code and Urban Forestry:** In 2022, the city adopted a new tree regulation that went into effect on March 1, 2023. The regulations promote tree preservation and protect some of the city's most significant trees, including the White Oak. Tree removal permits and new tree protection and mitigation standards were proposed. On May 22, 2023, the City Council accepted a report from the UW Evans School of Public Policy & Governance regarding establishing an urban forestry program over a 5-year period. On May 31, the Council obligated \$340,000 of ARPA funds to help fund the report's recommendations for a certified arborist, tree assessment, and public outreach efforts through 2026.

**Ordinance No. 776:** In 2022, the city adopted Ordinance No.776 to establish a three-year climate change work plan. It included fourteen items to make progress towards responding to the impacts of climate change and relevant future goals and policies. These goals include a five-year plan in partnership with PSE, Tacoma Power, Lakeview Light & Power, and the Pierce County Sustainability Collaborative to support GHG emission reduction; this five-year action plan is anticipated to be adopted in 2024. Another relevant goal is the update to the city’s non-motorized transportation plan, which was completed in June 2023.

## D.4 GHG Emissions Management and Climate Change Adaptation

Greenhouse gases include carbon dioxide, methane, nitrous oxide, and certain synthetic chemicals that trap some of the Earth's outgoing energy, thus retaining heat in the atmosphere. Larger emissions of greenhouse gases lead to higher concentrations in the atmosphere. Reducing GHG emissions involves reducing fossil fuel consumption, using other sources of renewable energy, and conserving energy associated with homes, businesses, industry, and transportation.

### D.4.1 Sources

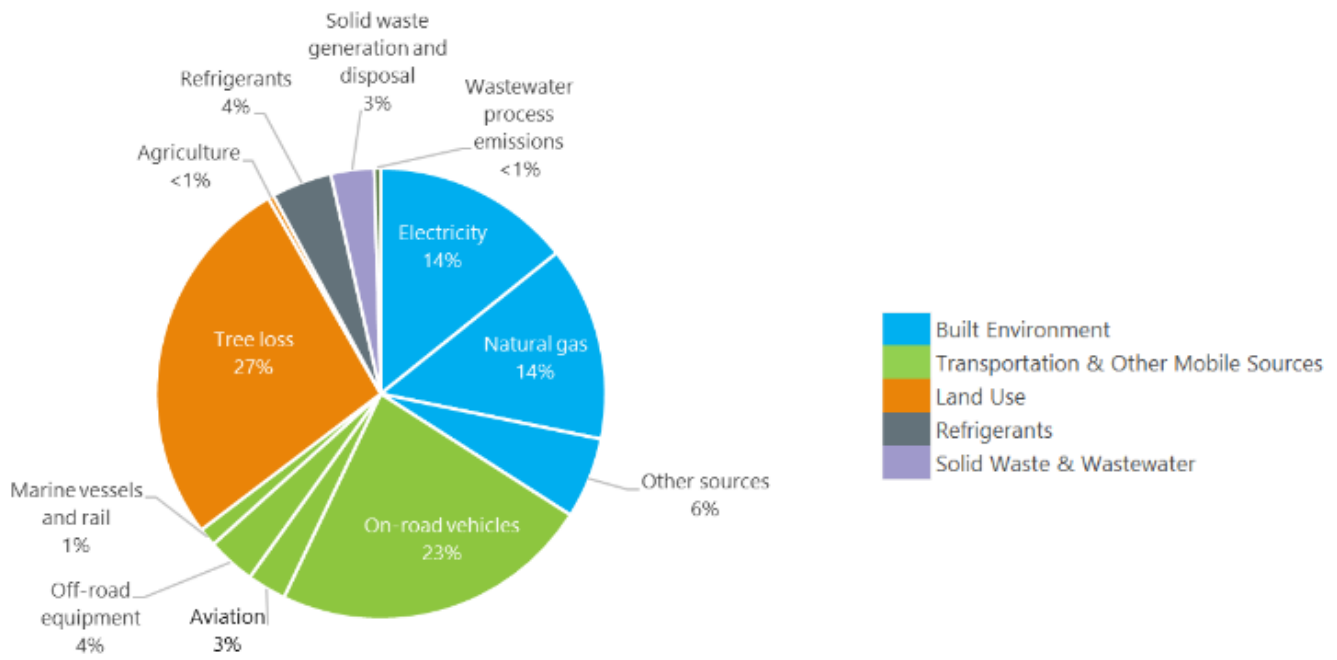
#### Building and Transportation Emissions

The primary sources of GHG emissions in cities are from building emissions and transportation emissions. Building emissions are estimated from heating, cooling, and powering residential and non-residential buildings. Transportation emissions are from fuel-powered vehicles and can be measured by VMT (vehicle miles traveled). Other drivers of GHG emission increases include tree canopy loss, changes in the electricity fuel mix, and overall population growth.

In 2022, the County produced a GHG emission inventory that summarizes the status of emissions in 2019 across five sectors: the built environment, land use, refrigerants, solid waste and wastewater, and transportation and other mobile sources (Cascadia Consulting Group, 2022). In 2019, Pierce County's residents, businesses, employees, and visitors produced 10.8 million metric tons of GHG emissions. Exhibit D-12 displays the primary sources of GHG emissions in Pierce County in 2019. The largest GHG emissions sources in Pierce County are:

- Tree loss (~27%),
- On-road transportation (~23%),
- Building electricity (~14%), and
- Building natural gas (~14%).

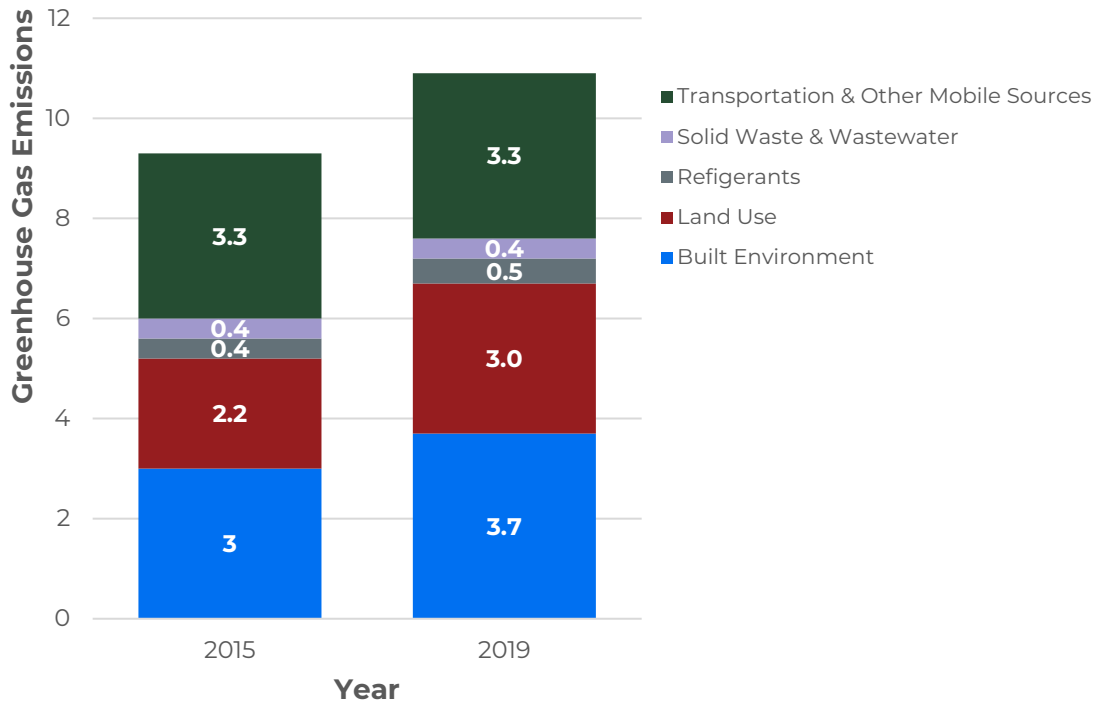
Exhibit D-12. Sources of GHG Emissions in Pierce County in 2019



Source: Cascadia Consulting Group, 2022

Exhibit D-13 depicts how GHG emissions in Pierce County have changed over time. From 2015 to 2019, there was an increase in overall GHG emissions (16%), along with a 7% population increase and a 9% increase in per capita emissions.

**Exhibit D-13. GHG Comparison by Year and Sector for Pierce County**



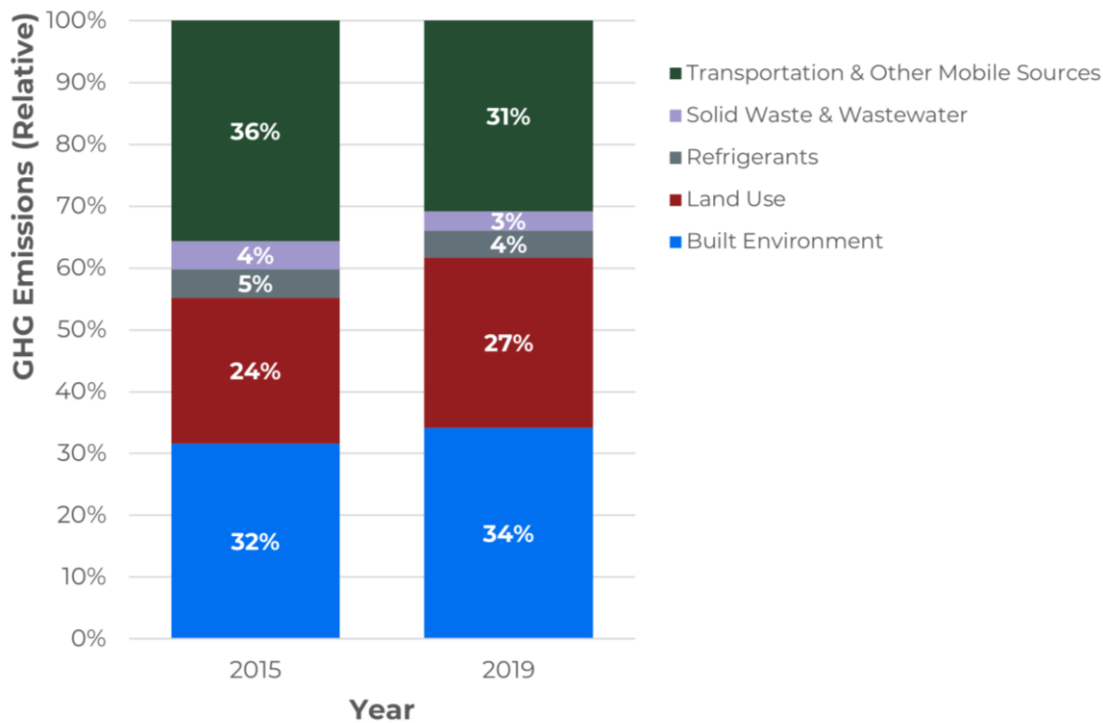
Source: Cascadia Consulting Group, 2022.

Exhibit D-14 depicts the relative contribution of GHG emissions by sector over time in Pierce County. The relative contribution of GHG emissions from the built environment increased by 2% from 2015 to 2019; GHG emissions from land use increased by 3% in that same period. However, the relative contribution of GHG emissions from transportation and other mobile sources decreased by 5% in that same period.

The increased efficiency and decreased emissions per mile of passenger vehicles are the greatest contributor to decreasing transportation emissions. Other ways that emissions have decreased include efficient electricity use in the commercial and residential sectors in the built environment, and a reduction in per-capita solid waste generation.



**Exhibit D-14. Relative Contribution of GHG Emissions by Sector**



Source: Cascadia Consulting Group, 2022.

In the City of Lakewood, GHG emissions are primarily generated by motor vehicles and buildings. . Lakewood is bisected by Interstate 5, which is a significant source of GHG emissions caused by transportation emissions. Other sources of emissions are generated by buildings through the direct combustion of fossil fuels for heating or indirectly through electricity consumption needed to support residents and businesses. The heating and cooling technologies deployed, the carbon intensity of utility’s fuel mix used to support Lakewood’s electricity grid, the sources of electricity, the quantity of electricity used by residents and businesses, and the energy efficiency of buildings can all contribute to increased GHG emissions produced in the built environment.

Exhibit D-15 compares how emission types have changed from 2019 to 2022 in the city. Overall, GHG emissions have decreased from 2019 to 2022. While transportation emissions represent the greatest contributor to GHG emissions in the city, its overall percentage decreased by 4% from 2019 to 2022, possibly due to increased fuel efficiency among motor vehicles and buses and potentially due to reduced commuting during the pandemic. Overall residential emissions decreased from 2019 to 2022; however, there was a marked increase due to the measurement of residential diesel emissions in the total residential emissions.

Exhibit D-15. Comparison of Lakewood GHG Emissions in 2019 and 2022

Emission-Type	2019 Emissions (MgCO2e)	Percent of Total	2022 Emissions (MgCO2e)	Percent of Total	Difference
<b>Residential</b>					
Residential Electricity	72,121	11%	68,800	11%	(3,321)
Residential Natural Gas	59,071	9%	46,400	7%	(12,671)
Residential Diesel	N/A	N/A	44,800	7%	44,800
<b>Sub-Total</b>	<b>131,192</b>	<b>21%</b>	<b>160,000</b>	<b>26%</b>	<b>28,802</b>
<b>Commercial/Industrial</b>					
Non-Residential Electricity	110,746	17%	95,040	15%	(15,706)
Non-Residential Natural Gas	35,629	6%	18,480	3%	(17,149)
Non-Residential Diesel	N/A	N/A	18,480	3%	18,480
<b>Sub-Total</b>	<b>146,375</b>	<b>23%</b>	<b>132,000</b>	<b>21%</b>	<b>(14,375)</b>
<b>Transportation</b>					
On-road vehicles – cross boundary inbound	156,997	25%	148,607	24%	(8,390)
On-road vehicles – cross boundary outbound	158,353	25%	150,197	24%	(8,156)
On-road vehicles – in boundary	34,216	5%	28,187	5%	(6,029)
Bus VMT – Cross boundary inbound	5,274	<1%	2,586	<1%	(2,687)
Bus VMT – Cross boundary outbound	5,955	<1%	2,929	<1%	(3,025)
Bus VMT – In boundary	1,048	<1%	606	<1%	(442)
<b>Sub-Total</b>	<b>361,843</b>	<b>57%</b>	<b>333,114</b>	<b>53%</b>	<b>(28,729)</b>
<b>Total Emissions</b>	<b>639,410</b>		<b>625,112</b>		<b>(14,296)</b>

Notes:

- Transportation emissions are overstated since it includes I-5 and Highway 512 emissions, but it is difficult to determine emissions using the Google EIE model.
- Residential & non-residential emissions are also overstated since Google uses a 50/50 mix of electricity to carbon fuels. In actuality, the mix is closer to 80/20. If the 80/20 split is used, MgCO2e emissions are calculated at 194,297 for both residential and non-residential.

Source: City of Lakewood Energy and Climate Change Chapter, 2021; Google Environmental Insights Explorer 2024; BERK 2024

## D.4.2 Potential Strategies

### Overview

The metrics assessed to understand climate change impacts include the following:

- Actions would prevent or deter statewide, regional, or local efforts to reduce GHG emissions.
- Increase in per capita vehicle miles traveled (VMT).

- Growth concentrated in areas with high exposure to air pollution, noise pollution, or environmental hazards. Increases exposure of vulnerable populations to climate stressors or reduces adaptive capacity to respond.

GHG emissions associated with each alternative would likely decline at a per capita level even with planned growth due to the federal, state, and regional regulations. This includes but is not limited to:

- Fuel economy standards.
- Energy codes and standards.
- GHG and VMT reduction goals and new climate elements.
- Land use patterns promoting transit-oriented development and infill development.
- Tree canopy protection and enhancement.

Growing consistent with regional growth strategies such as growth targets, land use patterns, multimodal transportation investments, retention of environmental and natural resource lands and other strategies are anticipated to help achieve reductions in regional air pollutant emissions. (PSRC, 2020)

With transportation and on-road vehicles representing a significant contributor to GHG emissions, a measure of VMT helps measure the alternatives' impact on GHG emission reduction. Exhibit D-16 shows how VMT compares across two alternatives:

- A “No Action” alternative, defined as the current set of land use policies in place in the city; and
- A “Proposed Alternative”, which includes the proposed land use changes incorporated into this Comprehensive Plan update, as well as changes in state planning requirements.

Based on future estimated VMT, the current plan (“No Action”) results in a higher amount of VMT in the city overall. However, the revisions under the “Proposed Alternative” result in a higher amount of VMT in the CBD and Station area due to the concentration of growth in these areas, and the remaining area in the city is significantly lower as a result.

**Exhibit D-16. VMT Comparison by Alternatives**

Alternative	Estimated Vehicle Miles Traveled (VMT)			
	Lakewood Overall	CBD (District 1)	Station Area (District 2)	Remaining Lakewood Area (District 3)
No Action Alternative	75,412	11,630	8,539	55,243
Proposed Alternative	74,496	12,339	9,489	52,668
<b>Difference</b>	<b>(916)</b>	<b>709</b>	<b>950</b>	<b>(2,575)</b>
Percentage Difference	-1.2%	6.1%	11.1%	-4.7%

Source: The Transpo Group, 2024

Both alternatives concentrate growth in centers like Downtown and the Station District. Both alternatives include a tree canopy goal of 40% and implementation of an Urban Forestry Program and recent tree code amendments.

Some centers and higher density employment and multifamily areas have high or moderately high exposure to adverse air quality or noise. These areas also show a lower tree equity score and more exposure to urban heat islands. Both alternatives would apply the city's tree code and urban forest program and development in these locations, such as housing and mixed uses. Development represents opportunities to integrate green infrastructure and to place transit-oriented development with amenities at all income levels. These activities would help the community adapt to climate change and realize greater climate resilience.

Note that the Tillicum-Woodbrook Subarea is part of the cumulative consideration of GHG reduction and VMT reduction above. It is a subarea where the population is exposed to air and noise pollution, and in part has a lower tree equity score. The alternatives address the subarea differently and climate adaptation is addressed under each below.

### Potential Actions

The transition to a new Comprehensive Plan with revised policies and future actions have the potential to address greenhouse gas emissions in several ways:

#### *Reduced VMT*

The revised Comprehensive Plan is expected to encourage growth near the city center, with middle housing densification throughout residential areas, resulting in a potential for a greater reduction of VMT than the current Plan despite modeling greater growth that is consistent with the 2044 growth targets. Changes in multimodal transportation are expected due to densification, leading to a decrease in car usage and a decrease in expected transportation-generated GHGs, one of the main contributors to overall GHGs.

#### *Compact Form and Energy Efficiency*

The revised policies are expected to result in higher density and more compact urban form, which results in less energy use for heating and cooling buildings, and therefore a reduction in GHG emissions created by the built environment. This approach includes updated middle housing regulations and critical areas regulations that provide additional habitat and stream protective measures (Washington Department of Commerce, 2023)

#### *Expanding Tree Canopy*

Increasing tree canopy cover can boost carbon sequestration, reduce heat islands, and improve air quality, prioritizing overburdened communities.

### Expanding Housing Availability

Increasing housing diversity and supply within urban growth areas can help to reduce greenhouse gas emissions and support environmental justice by preventing displacement and discouraging people and families from living long distances away from jobs. This can be done through policies that will allow middle housing types, such as duplexes, triplexes, and ADUs, on all residential lots.

### Solar Energy Production

The city has the rooftop solar potential to reduce GHG emissions by 223,000 MgCO<sub>2</sub>e on an annual basis. Assuming solar panels receive 75% of the maximum annual sun in the city, this represents an approximate 35% reduction in total annual GHG emissions produced within the city using 2022 GHG emission totals. See Exhibit D-17. In the city, the existing solar arrays are 57, which represent less than 1% of the total solar potential. Specific locations for potential solar panel placement are shown in Exhibit D-18.

**Exhibit D-17. Lakewood Total Solar Potential**

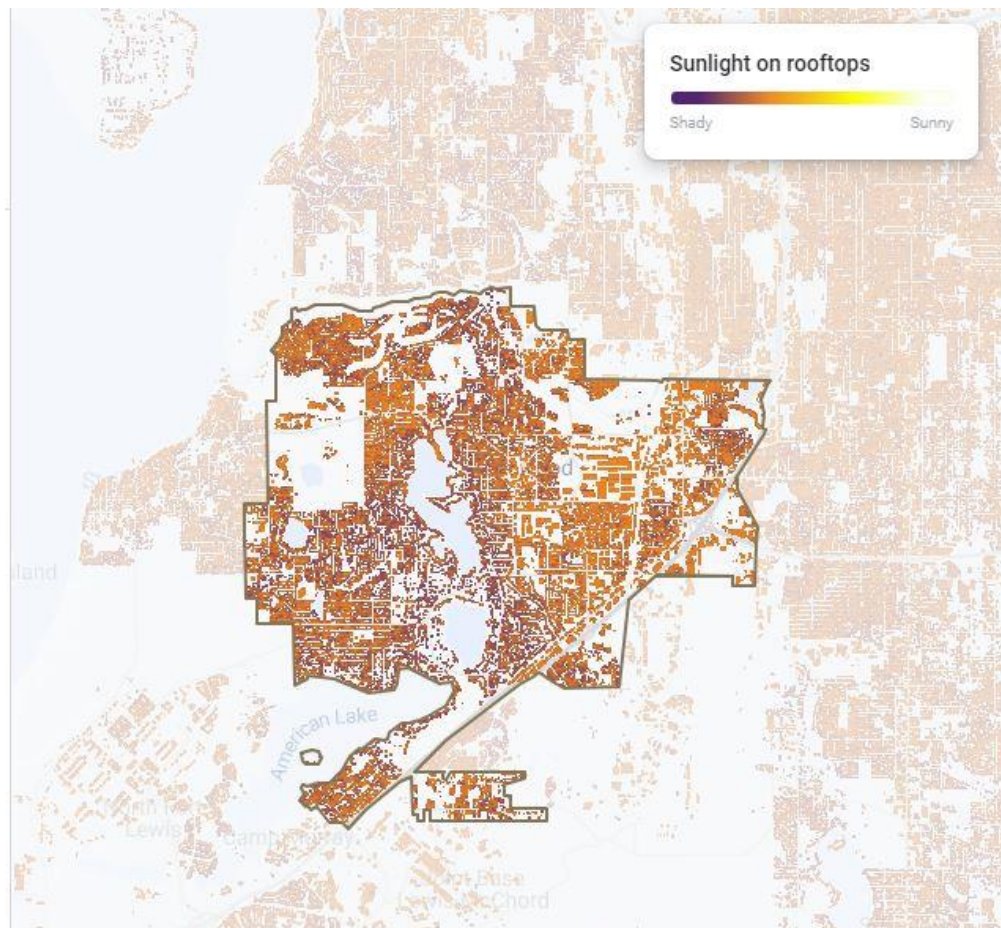
Carbon Offset Metric Tons	(Property) Count Qualified	KW Median	KW Total	Percent Covered	Percent Qualified
223,314	14,589	11.75	331,290	97.5%	80.3%

Notes: Google’s definition of “technical potential” requires solar installation to meet the following criteria:

- Sunlight: every included panel receives at least 75% of the maximum annual sun in the area
- Installation size: Every included roof has a total potential installation size of at least 2kW.
- Space and Obstacles: Includes only areas with roofs that have space to install four adjacent solar panels.

Source: City of Lakewood Energy and Climate Change Chapter, 2021; Google EIE, 2024.

**Exhibit D-18. Concentration of Sunlight on Rooftops in Lakewood**



Source: Google EIE, 2024

*Carbon Sequestration*

To remove carbon emissions, the city analyzed how to improve carbon sequestration, which is the process of utilizing forested areas and tree canopy in designated open space areas, lawns/fields, and wetlands to remove carbon emissions from the atmosphere and store them back into the earth. Wetlands, such as the Fleet Creek Complex, can store a significant amount of carbon.

The city's forested areas and freshwater inland wetlands are protected or preserved through the city's open space policies, its shoreline master program, and its development regulations, including the tree preservation ordinance. However, the city does not yet consider the benefit of carbon sequestration within these resources and does not have an estimate of the amount of carbon removed from the atmosphere through these resources.

**D.4.3 Options for Mitigation**

A variety of GHG mitigation measures could be implemented to reduce the exposure to residents and work towards goals. The following measures could be applied to reduce GHG emissions:



## GHG Emissions Reduction

- Reduce exposure to traffic through the implementation of mitigation strategies, such as reducing VMT, land use buffers, improved urban design, building design strategies, and decking / lids over highways and high-capacity roadways.
- Develop and implement strategies to reduce vehicle trips, improve vehicle fuel efficiency, and facilitate rapid adoption of zero-emissions alternative fuel vehicles.
- Apply transit-oriented development to include more walkable communities.
- Promote the integration of neighborhood commercial uses in residential areas.
- Coordinate with and support local and regional transit efforts with Pierce County, Sound Transit and WSDOT (Washington Department of Transportation) towards expanding public transit service to improve mobility and reduce reliance on the private automobile.
- Promote walking and bicycling as safe and convenient modes of transportation, improving bicycling, pedestrian, and transit access through support for safe routes and infrastructure investment.
- Work with energy providers (Puget Sound Energy, Lakeview Light & Power, and Tacoma Power) to develop strategies that reduce energy demand and promote energy conservation.
- Increase the amount of locally forested areas and tree canopy in the city's designated open space areas, lawns/fields, and wetlands to increase the removal of carbon emissions from the atmosphere, otherwise known as carbon sequestration.
- Provide incentives to add solar panel capacity on commercial and industrial buildings.
- Promote mixed-use and infill development in the Downtown and other major activity centers, along key commercial corridors and on vacant and underutilized parcels.
- Prioritize the use of green and sustainable development standards and practices in planning, design, construction, and renovation of buildings and infrastructure.
- Ensure that buildings use renewable energy, conservation, and efficiency technologies and practices to reduce greenhouse gas emissions.
- Use urban design to enhance open space and urban tree canopy and incorporate strategic building placement.
- The city could develop pre-prepared housing plans for ADUs and other small, attached dwellings that minimize footprints and retain tree canopy to the extent feasible.

## Adaptation Measures

- Develop a Hazards Management Plan that works toward developing a climate-resilient community.
- Increase green infrastructure to cool stormwater runoff and work to mitigate urban heat island effects. Examples include rain gardens, planter boxes, bioswales, permeable pavements, green streets and alleys, green parking, and green roofs. (U.S. Environmental Protection Agency (EPA), 2024)
- Develop and implement an urban heat resilience strategy that includes land use, urban design, urban greening and tree canopy expansion, and waste heat reduction actions.

- Consider project-specific mitigation measures to limit exposures to emissions sources, such as high-capacity roadways. Land use buffers or building design (e.g., air filtration, thicker sound transmission classes, other) could be included near high-impact areas such as industrial and other nonresidential zones.

## D.5 Community Engagement Report

This section summarizes engagement activities and high-level themes of community input to inform an update to the City of Lakewood's Energy & Climate Change Chapter (ECCC) and conversations regarding middle housing in Lakewood. This is drawn from the summary memo about the implementation of the ECCC, which includes further details about individual engagement events.

Recommendations from community members regarding the ECCC are incorporated directly into the Implementation Plan. The following report summarizes additional takeaways. The engagement process included:

- **Stakeholder and community leader interviews** to gain an understanding of the landscape in Lakewood. The interviews were the primary strategy to recruit members to the Steering Committee.
- A **Steering Committee**, comprised of 10 individuals, to give recommendations on the ECCC Implementation Plan as well as input on the community engagement approaches. This group met four times and included participation by city staff.
- **Focus groups and pop-up events** to engage additional community members.

### D.5.1 Recommendations for City-Led Community Engagement

The recommendations below summarize lessons learned from the engagement process for the ECCC implementation plan. They are informed by community input on best practices for engagement, lessons learned during the process, and from the steering committee.

- **Develop trusted relationships with organizations and community leaders:** The city should invest in infrastructure, including staffing and programming, to foster relationships with community groups. Equitable community engagement means supporting common goals, rather than informational transactions to collect information. Community members noted that past engagement with the city has been inconsistent. Intentional relationship building at a department level will enable the city to reach community members more easily for input on initiatives and future comprehensive plan updates, especially for community members who may not participate in conventional public participation processes, such as public hearings. It will also create a clearer communication channel for community members to request resources from the city, especially in historically underserved neighborhoods like Springbrook and Tillicum.
- **Conduct outreach to Korean businesses:** In addition to more intentional engagement with community leaders and organizations, outreach to small businesses is crucial for information and resource sharing. A stakeholder noted that some small Korean-owned businesses have struggled and not felt supported by the city, especially since the COVID-19 pandemic. While the International District has many businesses of different backgrounds, Korean businesses are a vibrant part of the

city’s diverse community fabric. Strong first steps include providing materials and outreach in Korean and building relationships with the Korean Women’s Association, Multicultural Self-Sufficiency Movement, and other cultural organizations.

- **Track neighborhood investments:** Ensuring equitable distribution of investments is crucial for a sustainable future. For example, Springbrook is one specific neighborhood where community members feel forgotten and wish to see more investment from the city. To ensure equitable distribution, the city should develop publicly accessible tools that track community investment and engagement while inviting the public into funding decisions to ensure city decisions are transparent and coordinated. [The City of Tacoma’s Equity Index](#) is an example of a publicly accessible data tracking system that helps decision makers prioritize investments. Developing consistent demographic questions for city surveys, including formalizing neighborhood areas, could be a helpful tool to track community member participation over time and provide consistent language for community members and staff to rely on when discussing city investments.
- **Continue to support innovative ideas from organizations:** Interviewees mentioned financial support and partnership as a positive role that the city has played for local organizations. Continuing to partner with organizations to meet community needs and invest in creative solutions are foundational steps to meeting the human services needs of a growing population.

## D.5.2 Interview Summary

BERK contacted community stakeholders identified by city staff and the BERK team to conduct pre-engagement interviews. These interviews asked local stakeholders about previous engagement with the city and effective engagement strategies. Refer to the Appendix of the Implementation Plan memo for the full list of questions.

### Interviews Conducted

Person	Organization	Organization Type
Rachel Lehr	Rebuilding Together South Sound	Community Organization
David Anderson	Tillicum Woodbrook Neighborhood Association	Neighborhood Association
Terry Love	NE Neighborhood Association	Neighborhood Association
Janne Hutchins	Living Access Support Alliance	Community Organization: Housing
Linda Smith	Lakewood Chamber of Commerce	Chamber of Commerce
Mary Moss	Lakewood Multicultural Coalition	Community Organization
Maureen Fife	Habitat for Humanity	Community Organization: Housing
Mandy Ma	Multi-Cultural Self-Sufficiency Movement	Community Organization
John DeVore	Lakeview Light & Power	Utility Company
LaTasha Wortham	Tacoma Public Utilities	Utility Company
Matthew Perry	Puget Sound Energy	Utility Company
Kristine Rompa		
Jeanine Adams	Pierce County Library	Library

## Interview Themes

Themes from the interviews were summarized below but are in no order. We present notable quotes alongside themes to provide further illustration of the ideas shared.

### *Community Engagement: Successes*

Interviewees had positive engagement experiences with the city.

#### **The city hosts fun events that organizations are invited to.**

- “I find Lakewood to be very adaptive and responsive to trying some new ideas... They’re great at inviting community partners at events like ‘Summerfest.’ They have a lot of fun events that they host as well. Their farmer’s markets are popular.”

#### **The city’s financial support and partnership has been appreciated.**

- “The city was one of the first organizations to put money aside to support nonprofits like ours.”
- “[The city] has always been a good partner.”
- “City staff at Lakewood are great!”

#### **Lakewood is seen as a place where public participation is valued.**

- “Public outreach is huge with the city.”
- “If you are a recognized organization and contact the city, they always respond and have representatives at meetings.”

### *Community Engagement: Challenges and Opportunities*

However, some identified inconsistent engagement and support.

#### **The city could improve its intentional outreach to communities of color.**

- “There is a reputation that the city is not communicating with minority communities... They closed a lot of Korean small businesses, but the city says it’s their issue and doesn’t do much to provide small business support.”
- “Lakewood has provided resource officers - people to connect folks to services. However, they often show up in uniform, and there is a definite fear and anxiety when they show up in uniform.”

#### **The city could improve on engaging the community members with the most needs.**

- “The city does a good job reaching out to homeowners who engage with city staff, councilmembers and go to planning meetings, but I don’t see the same level of effort for the neediest population.”
- “We’ve been struggling to find some of the deeper residential bases and community groups [to connect to]. There’s a lot more city level support in Tacoma to establish engagement with residents than in Lakewood. That makes it easier for service providers to do community-based work.”

#### **The city could improve on providing consistent support and uplifting community participation.**

- “They have a heart for new agencies that are super Lakewood-focused. Once we get large enough, we are competing with other large agencies for the same funds. We really need Lakewood to continue to be supportive. We are the ones that will serve Lakewood.”
- “It is important to make sure that community participation and decision making is clear. We don't want the [steering] committee to just make the city look good.”

### **The city has unique engagement opportunities that they should utilize.**

- JBLM and Camp Murry are huge, diverse communities.
- Working with employers on housing issues is essential. Homeownership provides stability, which is important to employers.

### *Housing and Climate Change*

#### **Housing is a major issue in the community.**

- “I wish I saw more of an attempt by the city to support people who have lost housing... Did they have a plan to provide housing for people that were displaced [referencing the 2011 Tillicum Neighborhood Plan]?”

#### **Some organizations and individuals discuss/consider climate change more than others.**

- “We would like to be at the table when talking about residential and commercial planning. There are opportunities around resiliency and sustainability as areas are being redeveloped.”

### *Tillicum Neighborhood*

#### **The Tillicum Neighborhood has a division between rich and poor.**

- “People live on waterfront and others are united by poverty.”

#### **The Library is an important part of Tillicum.**

- “The library location in the community center is essential... the city has strong interest in maintaining the library in Tillicum.”
- Some people feel unsafe walking around the library in the dark on the stretch of Union. It's by a bus stop and lacks sidewalks.

## **D.5.3 Steering Committee**

The Steering Committee led identifying engagement strategies and planning policy design around climate and housing. Steering Committee members were intentionally selected from the pre-engagement interviews. They also provided feedback on best practices for equitable engagement.

The Committee met four times over four months. These meetings were organized by the following topics:

- Kick Off: February 24, 2023
- Priorities Exercise and Engagement Workshop: March 28, 2023

- Recommendations Draft Report Out: May 9, 2023
- Engagement Findings Report Out and Next Steps: May 30, 2023

City staff participated in the meetings as equal members and listened to community feedback.

## Committee Members

Person	Organization
Alex Harrington	Master Builders Association of Pierce County
Amy Tousley	Puget Sound Energy
Janne Hutchins	Living Support Access Alliance (LASA)
Jason Gano	Master Builders Association of Pierce County
Jesse Black	Springbrook Connections
LaTasha Wortham	Tacoma Public Utilities
Mandy Ma	Self-Sufficiency Multicultural Movement
Rachel Lehr	Rebuilding Together South Sound
Sarah LaBrasca	Lakeview Light and Power
Tod Wolf	Business owner of Rodi's Cameras

### D.5.4 Survey

From May 11<sup>th</sup> to June 11<sup>th</sup>, 2023, BERK conducted a community survey in Lakewood to identify climate resiliency and housing priorities. The survey was translated into Spanish and Korean and offered a raffle prize to encourage participation. This section presents the survey findings from 163 valid responses.<sup>2</sup>

The survey had four quantitative questions and two qualitative questions, as well as demographic questions.

<sup>2</sup> The survey attracted many computer-automated responses, likely as a means for non-residents to win the raffle prize. Analysts reviewed all responses and flagged invalid responses based on a set of criteria, such as having duplicate or non-sensical answers in open survey questions.



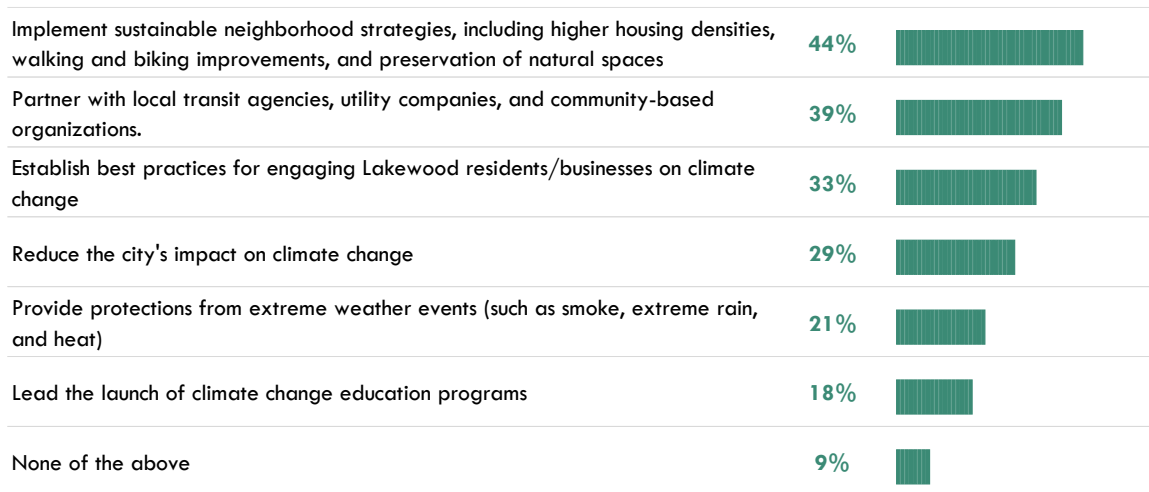
## Survey Question Responses

Exhibit D-19. Respondents’ Priorities for the City of Lakewood to Address Climate Change (n=163) Exhibit D-19 shows survey respondents’ priorities for the City of Lakewood to address climate change. The top three priorities that respondents would like to see are implementing sustainable neighborhood strategies (44%), partnering with local transit agencies, utility companies, and community-based organizations (39%), and establishing best practices for engaging the Lakewood community on climate change (33%). Additional priorities listed in open responses include:

- Make funding available for homeowners to update their homes.
- Planting more trees.
- Using solar panels for schools.

**Exhibit D-19. Respondents’ Priorities for the City of Lakewood to Address Climate Change (n=163)**

***What do you think the City of Lakewood should prioritize when addressing climate change?***

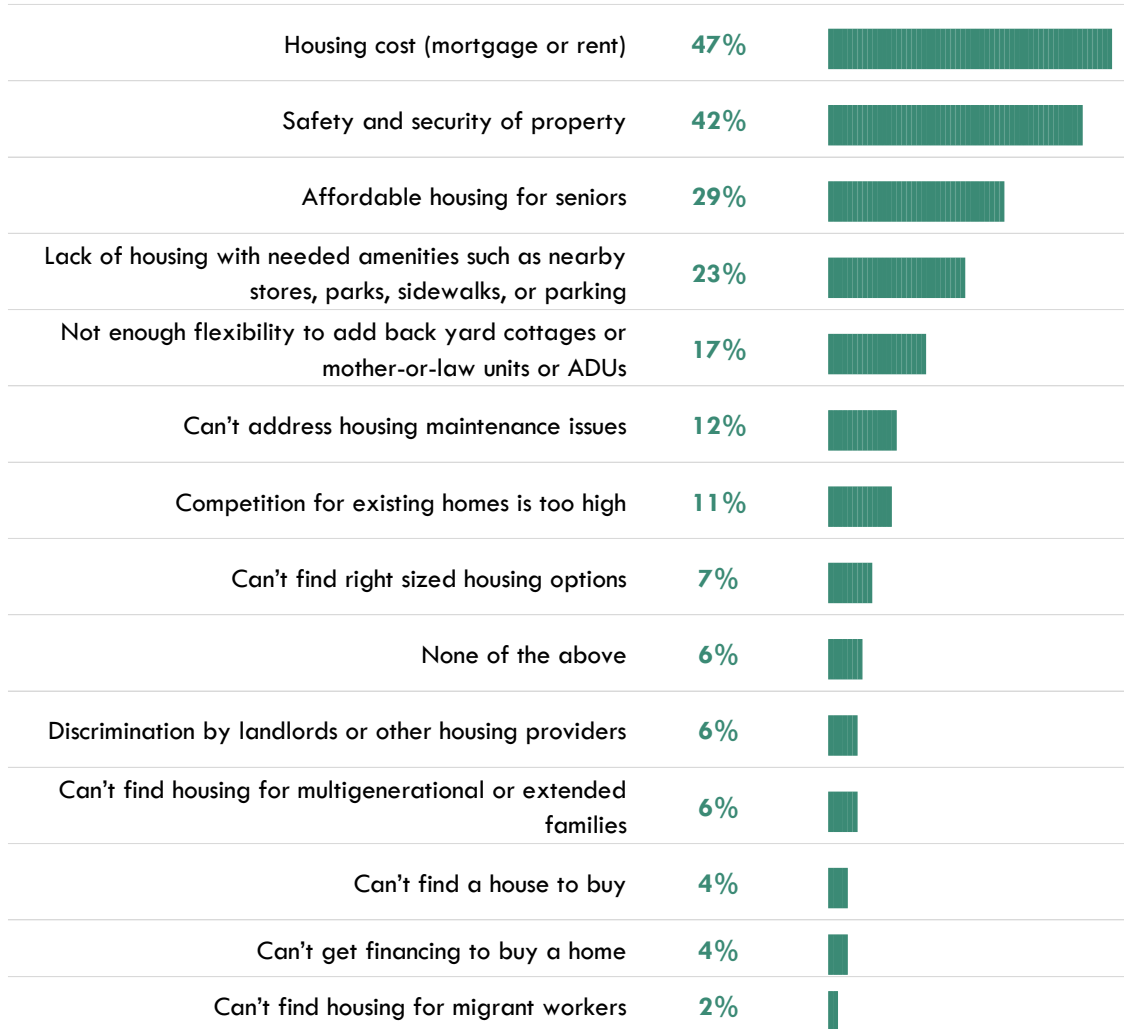


Source: BERK, 2023

Exhibit D-20 shows respondents' opinions on Lakewood's greatest housing challenges. Almost half (47%) say the cost of housing, followed by the safety and security of property (42%). More than a quarter of respondents (29%) said that affordable housing for seniors is one of Lakewood's greatest housing challenges.

**Exhibit D-20: Respondents' Opinions on Lakewood's Greatest Housing Challenges (n=163)**

*What are Lakewood's greatest housing challenges?*

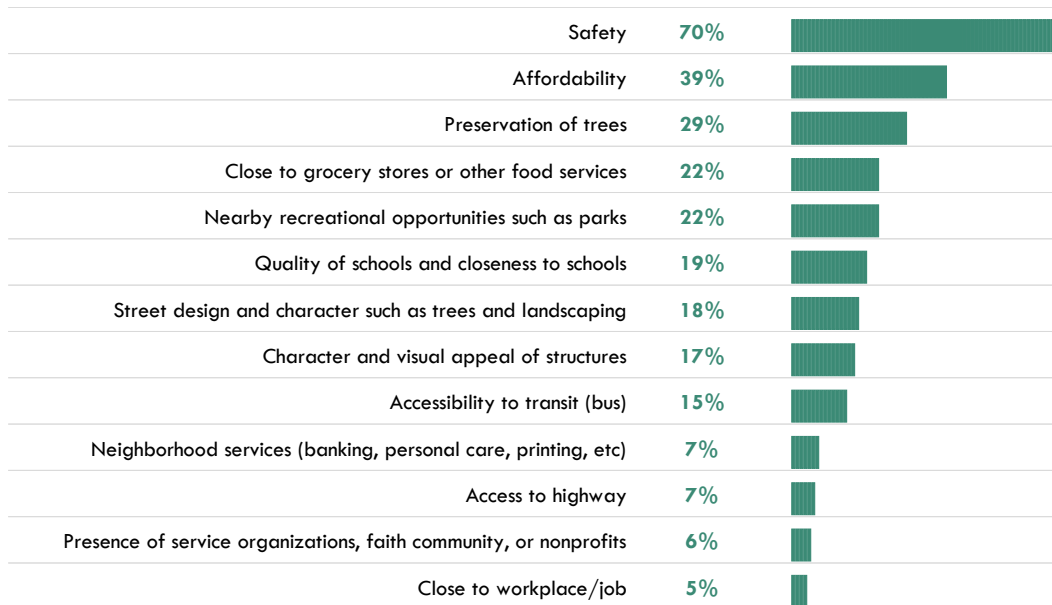


Source: BERK, 2023

Exhibit D-21 shows survey respondents' most important neighborhood characteristics. Most respondents (70%) said safety was most important. Affordability was also important to survey respondents (39%). At least one-fifth of respondents said that the preservation of trees, being close to grocery stores or other food services, and being nearby to recreational opportunities like parks were important to them (29%, 22%, and 22% respectively).

**Exhibit D-21: Respondents' Most Important Neighborhood Characteristics (n= 163)**

***What neighborhood characteristics are most important to you?***



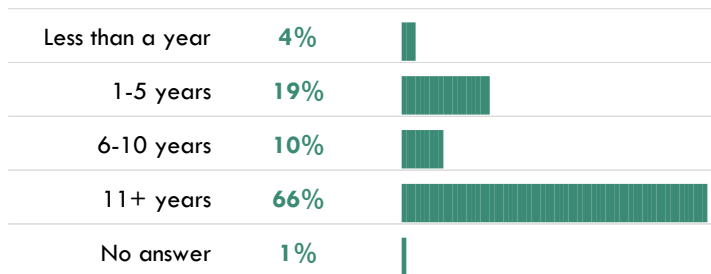
Source: BERK, 2023

## Demographics of Survey Respondents

Exhibit D-22 shows the length of time that survey respondents' have lived in the City of Lakewood. Most respondents (66%) have lived in Lakewood for 11 years or more. Almost one in five respondents (19%) have lived in Lakewood for 1-5 years. Only 4% of survey respondents have lived in Lakewood for less than a year.

**Exhibit D-22: Length of Time of Respondents Living in Lakewood (n=163)**

### How long have you lived in Lakewood?

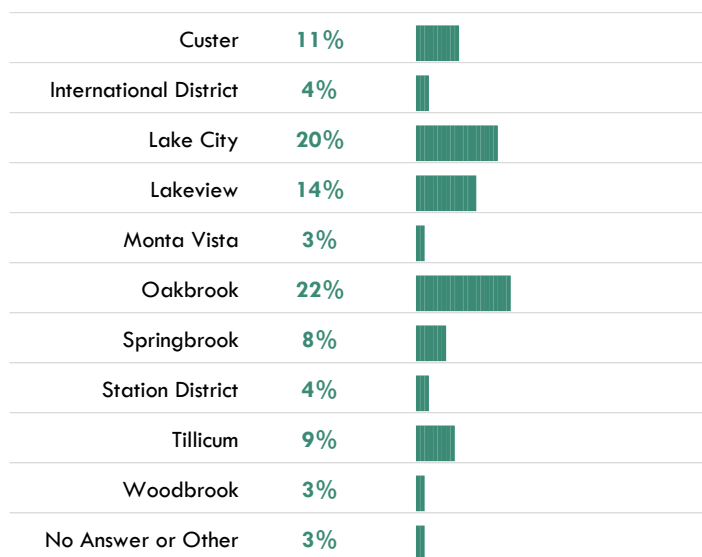


Source: BERK, 2023

Exhibit D-23 shows the neighborhoods that survey respondents live in. One-fifth of survey respondents live in either Lake City or Oakbrook, with a spread through other neighborhoods in the City of Lakewood.

**Exhibit D-23: Neighborhood of Respondents (n=76)**

### Which neighborhood do you live in?

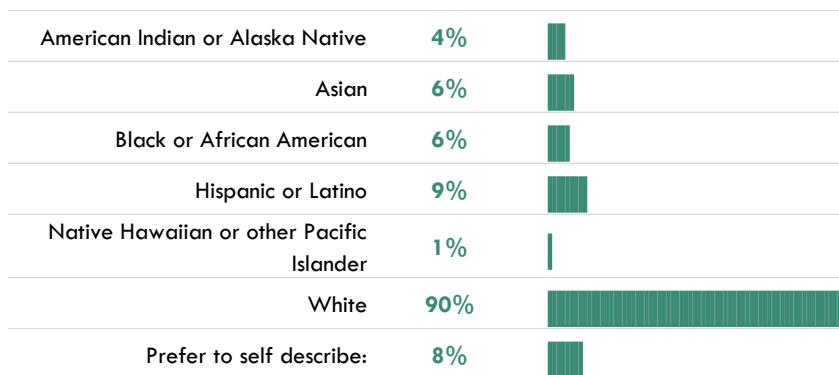


Source: BERK, 2023

Exhibit D-24 shows the race and/or ethnicity of survey respondents using Census categories. Most of the survey respondents identify as White (90%), 9% identify as Hispanic or Latino, while 6% identify as Asian or Black/African American.

**Exhibit D-24: Respondents' Race and/or Ethnicity (n=146)**

*What is your race and/or ethnicity? (choose all that apply)*

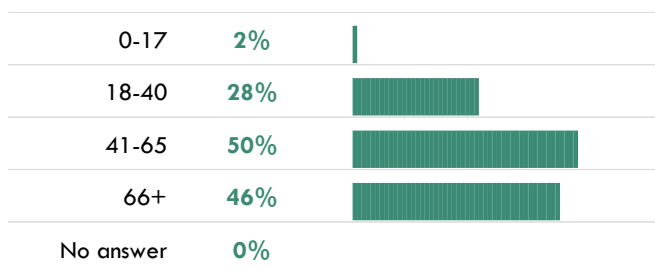


Source: BERK, 2023

Exhibit D-25 shows the survey respondents' age. Half of respondents (50%) are 41-65. A little less than half (46%) of survey respondents are ages 66 or older.

**Exhibit D-25: Respondents' Age (n=161)**

*What is your age?*








Source: BERK, 2023

Exhibit D-26 shows survey respondents' gender identity. Most survey respondents (61%) identify as a woman, 34% identify as a man.

**Exhibit D-26: Respondents' Gender Identity (n=161)**

*How do you describe your gender identity?*

Man	34%	
Non-binary	1%	
Woman	61%	
Prefer to self describe:	2%	
Rather not say	2%	

Source: BERK, 2023

## Open-Ended Comments

The survey asked all respondents to share how they have been impacted by recent climate change events like heat, smoke, extreme precipitation, and reduced snowpack. The survey also asked if there was anything else respondents would like to share with the City of Lakewood regarding climate change or housing.

The following includes common themes that were reflected in a notable number of respondents' comments. The quotes are illustrative of the ideas shared.

## Impacts from Recent Climate Change Events

A total of 136 survey respondents provided input, with several categories of responses:

### Common themes

- **Smoke:** Respondents commonly mentioned the adverse effects of wildfire smoke, especially for people with asthma or other respiratory issues. Other effects include itchy or watery eyes and having to stay inside.
- **Heat:** Respondents noted the increasing frequency of hotter temperatures in the city. Many mentioned the need for air conditioning or a heat pump, as well as increasing electric bills and water usage.
- **Have not been affected:** Some respondents noted that they have not been impacted by climate change.

### Other responses

- **Floods and droughts:** Some respondents noted the occurrence of increased rainstorms and droughts have impacted their lives. One respondent noted the “spread of invasive species” while another noticed “mold and moss” flourishing after heavy rain.

## Other Comments for the City of Lakewood

119 survey respondents provided input.

### Common themes



- **Lack of affordable housing.** The most common response was the unaffordability of housing, including rising rents and unable to find affordable housing. A few respondents noted that they think landlords to have too much power or that rents should have a cap.
- **Importance of preserving tree canopy:** Some respondents noted the importance of protecting trees. A few specifically called out being disappointed in seeing warehouses replace trees.

**Other responses**

- A few respondents said that climate change is not real, or there are other issues Lakewood should focus on.
- Other individual responses included a desire to see more transit options and for Lakewood to work with non-profit organizations and affordable housing initiatives.

### D.5.5 Pop Up Events and Focus Groups

BERK Consulting reached out to Lakewood community partners to participate in local neighborhood, or pop-up, events and hold focus groups through the month of June. The goal of these events was to have a wider conversation around housing and climate resiliency challenges and opportunities in Lakewood while gathering input for the ECCC Implementation Plan.

Event	Date of Event	Type of Event
Springbrook Connections residents	May 18	Focus Group
Clover Park Technical College	May 25	Pop Up
Affordable Housing Consortium	June 6	Focus Group
Lakewood Youth Summit	June 10	Pop Up
Lakewood Community Collaboration	June 14	Focus Group

### Structure

At the pop-up events, BERK had two poster boards each with a question for individuals who stopped by. These questions were:

- Strengths and challenges of Lakewood’s housing options
- How have you been impacted by climate change? What recommendations do you have to the city?

At the focus groups, BERK focused on related questions:

- How have you or people that you know been impacted by recent climate events?
- What can the city do to help address those concerns raised?

### Pop Up and Focus Group Themes

The major themes about climate change and housing from these events are summarized below.

### *Climate Change*

- Higher temperatures and effects from wildfire smoke were the two key issues that community members discussed at all pop-up events and focus groups.
- Older residents and people with respiratory issues are especially impacted by increasing wildfire smoke.
- There is a growing need for air conditioners, but many residents cannot afford to purchase and run A/C. Some even mentioned not being allowed to run air conditioning in their apartments.
  - Puget Sound Clean Air used to hand out box fans for free but are no longer able to do so.

### *Housing*

- Lakewood is a great place to live because of its proximity to neighborhood amenities, work, and good parks.
- Lakewood is getting more expensive. Finding affordable housing in Lakewood is difficult.
- There is a need for programs to help residents with homeownership and renting costs.

## D.6 Policy Review

The Energy and Climate Change Chapter (ECCC) has over 96 action items to address climate change. A core goal of this plan is to work with community-based organizations and local agencies in establishing a priority framework for the plan. The implementation framework and strategies are a culmination of input from the Steering Committee, community outreach, and internal review.

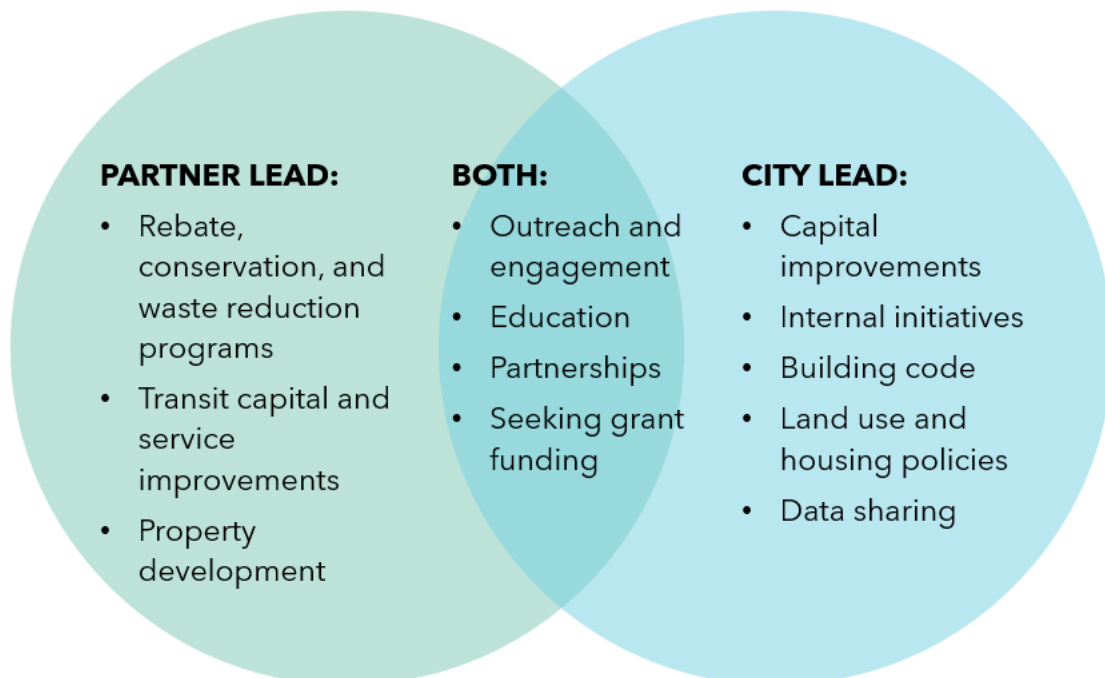
### D.6.1 Process

First, the Steering Committee held a 2-hour workshop where each committee member reviewed each chapter of the ECCC in small groups. BERK reviewed the comments and created an implementation framework for the policy strategies (see next section). After the Steering Committee reviewed the framework, BERK conducted a deeper strategy analysis of each action item to group strategies into categories and prioritize strategies.

### D.6.2 Recommendations Rationale

The recommendations for the implementation plan were made in combination with feedback from the Steering Committee and a policy review of the plan. The implementation framework was created with the lens of understanding where decision making lies. Priority action items were identified by understanding where the city can take a lead, where community partners could lead, or where both could lead. Exhibit D-27 shows a Venn diagram outlining the roles of the City of Lakewood and the service providers, and where both can partner to address climate change.

#### Exhibit D-27. Recommendations Rationale



### D.6.3 Implementation Framework and Strategies

The Implementation Framework consists of four themes and eight strategies. Each action item was sorted into a theme and strategy, and then given a priority ranking. A “high” priority indicates an action item the Steering Committee supported. A “low” priority indicates an action item that the city should not prioritize. A “medium” was in between a high and a low. Potential partners on action items were also identified.

#### Framework Themes

The Steering Committee established four key themes in framing implementation policy recommendations for Lakewood. The purpose of the framework is to provide a rationale of how Lakewood can increase climate resiliency and mitigate greenhouse gas emissions.

- **Collaborate and Partner:** Addressing climate change involves everybody. The ECCC identifies the roles of various public agencies within Lakewood in mitigating climate risk and adapting to extreme weather events. The city should work with transit agencies, utility agencies, and private developers to establish best practices for a greener Lakewood. Furthermore, the Steering Committee recognized that addressing climate change cannot happen without community participation. Future advocacy, education, and engagement require local partnerships to establish a vision for a more equitable, sustainable Lakewood.
- **Design Sustainable Neighborhoods:** The city can play a leadership role in establishing land use patterns that increase social and economic opportunity, access to open/green spaces, and placemaking opportunities. There are numerous planning efforts to promote smart growth strategies, including the Non-Motorized Plan Update, the Critical Areas Ordinance review, and various elements of the Comprehensive Plan.
- **Prioritize Climate Resiliency:** The Steering Committee identified the need to prioritize climate resiliency. This includes actions to reduce emissions that cause climate change and actions to manage climate change impacts. Additional data related to measuring factors contributing to climate change should be made available for the public to support additional planning efforts.
- **Educate and Engage:** Public education was a core theme from the review of the implementation plan by the steering committee. The city can take a lead in providing educational materials on conserving resources, marketing campaigns, and data sharing. The city can also continue to partner with housing and service providers to support equitable outreach and engagement efforts.

#### Implementation Strategies

The strategies for this framework outline clear actionable steps for the city to take in addressing climate change. Under each strategy are a series of policy items associated with each action item. This section outlines core takeaways, associated action items, and next steps. Based on feedback from the Steering Committee and the policy review, the following steps are recommended for strategic implementation of the city’s ECCC.

- **Community Engagement and Collaboration (High priority):** City staff shall work with community-based organizations on programmatic recommendations. Community engagement should

continue to be a top priority for Lakewood with future planning efforts, particularly around non-motorized transportation improvements across I-5. A core key theme from initial interviews was that the city has been a great partner for local organizations in the past. This should continue over into local programming events (urban agriculture, park events, education, and resources) and work with business organizations. Partnerships with developers will also be critical to support public amenities for green infrastructure.

- **Education, Data, and Information (High Priority):** Education and data was another top priority identified by the Steering Committee. It involves equal partnership from the city, community-based organizations, and utility companies to build resident and business capacity to understand the impacts of climate change. The city can also establish dashboards and data sets to inform climate vulnerability and resiliency wins within the city.
- **Agreements and Partnerships (Medium priority):** The city shall work with partners identified in the ECCC. The city can partner with the following agencies and organizations to develop a more climate-resilient community:
  - *Transit agencies (Pierce Transit, Sound Transit, WSDOT, Amtrak):* Transit agencies lead the design of the city's local and regional transit connections. Transit improvements should be aligned with land use policy designs to foster more walkable neighborhoods.
  - *Utility companies (Lakeview Power, Tacoma Public Utilities, PSE):* The city can work with utility companies to support waste reduction programs, water conservation efforts, and energy efficiency improvements. Utility companies can also develop strategies to manage energy demand.
  - *Clover Park School District:* Lakewood can partner with the Clover Park School District in anti-idling programs for buses.
  - *Community-based Organizations:* Climate resiliency is tied to the social and economic success of the city's residents and communities. The city can work with workforce development programs to promote green jobs and collaborate with service providers in providing resources and information.
- **Comprehensive Plan Update (Medium priority):** Most of the action items identified a need to adopt new development standards for walkable neighborhoods, green building regulations, and energy efficiency. The city can adopt these standards through its Comprehensive Plan update. These policy recommendations should be incorporated into other Comprehensive Plan elements.
- **Grant Funding (Medium priority):** The city shall take the lead in identifying grant funding opportunities and should work with local organizations and partners in applications. Grant funding opportunities should focus on non-motorized improvements across I-5, street network improvements for transit, renewable energy sources, and the development of community education tools.
- **Internal City Initiatives (Low priority):** 11 of the action items in the ECCC called for internal city initiatives on how the municipality can reduce its own greenhouse gas emissions and carbon footprint. These action items do not provide a direct impact on the overall Lakewood community. However, the city can be a green business leader as one of the largest employers in the city on sustainable practices. The city should remove these action items from the ECCC and use them as a framework for its own internal green initiative.

- **Remove: (Low priority):** There are eight ECCC action items that referenced others as redundant strategies. These should be removed from the ECCC.

Exhibit D-28, below, shows a total count of how each of the 96 Action items in the ECCC are sorted into implementation strategies, themes, and priorities. The top priority strategies for the implementation plan are rooted in community engagement, collaboration, and providing education, data, and resources. The city should lead as a convener of local and regional partners in building a collective movement for a thriving sustainable city rooted in social and economic success. The city should also be a local and regional advocate for policies that develop multimodal transportation networks with supportive land use decisions. Finally, the city should uplift community voices through supportive neighborhood programming efforts to establish a collective understanding on how to address climate change and build resiliency.

**Exhibit D-28. Implementation Plan Framework**

STRATEGY	COUNT	THEME				PRIORITY		
		Collaborate and Partner	Design Sustainable Neighborhoods	Prioritize Climate Resiliency	Educate and Engage	High	Medium	Low
Agreements and partnerships	16	12	0	4	0	6	7	3
City Initiative	11	2	0	9	0	0	10	1
Community Engagement and Collaboration	15	9	2	1	4	13	3	0
Comprehensive Plan Update	32	1	10	19	1	22	9	0
Education, Data and Information	6	4	1	0	1	6	0	0
Grant Funding	8	1	3	3	1	1	7	0
Remove	8	1	1	6	0	0	0	8
<b>TOTAL</b>	<b>96</b>	<b>30</b>	<b>17</b>	<b>42</b>	<b>7</b>	<b>48</b>	<b>36</b>	<b>12</b>

Source: BERK 2023



# E Housing

## E.1 Introduction

The Housing Element sets the stage for a vibrant, sustainable, family-oriented community through the balanced allocation of land for a variety of housing types affordable to all household incomes. It accommodates growth and promotes the use of transit amenities in the city. Housing and retail or commercial development may be interwoven in some areas where they would mutually benefit one another; elsewhere, different land uses remain discrete to meet other goals.

## E.2 Housing Needs Assessment

### E.2.1 Overview

Lakewood possesses a diverse housing stock with a wide range of unit types and prices, most of which were constructed prior to incorporation in 1996. The inventory includes large residential estate properties, single-family homes of all sizes, some townhouses, semi-attached houses, low- and mid-rise apartments, and high-density apartments.

The Housing Element is based on an assessment of Lakewood's current demographics and existing housing stock. It also is consistent with:

- the GMA;
- the MPPs and Regional Growth Strategy included within VISION 2050;
- the Pierce County CPPs; and
- other elements of the Lakewood Comprehensive Plan.

The city is required under the GMA to plan towards specific housing targets to address expected growth over the next 20 years. These targets include:

- Overall estimates of the housing necessary to meet population growth.
- Targets for housing affordable across different economic segments of the population, reflecting a variety of residential densities and housing types, as well as preservation of existing affordable housing.
- Needs for housing to meet specific needs for housing insecure groups, including permanent supportive housing (PSH) and emergency shelter beds.

These targets have been adopted as part of the Pierce County CPPs for Pierce County, with the breakdown of housing by income category and specific needs provided under Pierce County Ordinance 2023-22s.

## E.2.2 Population

### Overview

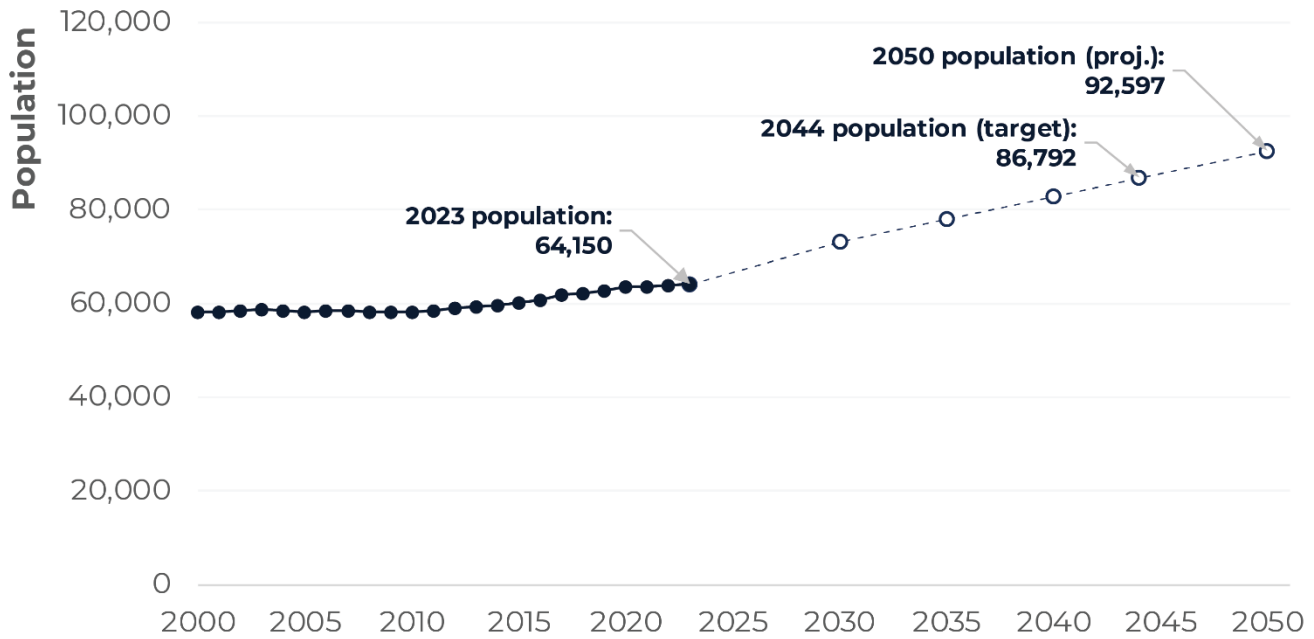
The following exhibits highlight details about the population of Lakewood, including population counts, projected targets, and age and race/ethnicity characteristics. From this information, there are several findings that are relevant looking at future housing needs:

- Exhibit E-1 provides the current population of Lakewood and expected population in 2044 under the current CPPs, as well as a projected population to 2050 according to the Puget Sound Regional Council.
- Exhibit E-2 shows the population of Lakewood divided according to age cohorts in 2022, with a comparison to the proportions found in Pierce County as a whole.
- Exhibit E-3 highlights the proportion of city residents by immigration status in 2022, including the proportion of naturalized citizens and non-citizens in the city.
- Exhibits E-4 to 6 provide the breakdown of the population of the city by race and ethnicity in 2022, and provide a comparison to the breakdown by race in 2017 and in the County as a whole in 2022. (Note that the figures for “Hispanic/Latino” include people across all racial groups.)
- Exhibit E-7 provides statistics on the current veteran population in the city by age group in 2022, with a comparison to the Pierce County average.

These statistics highlight the following:

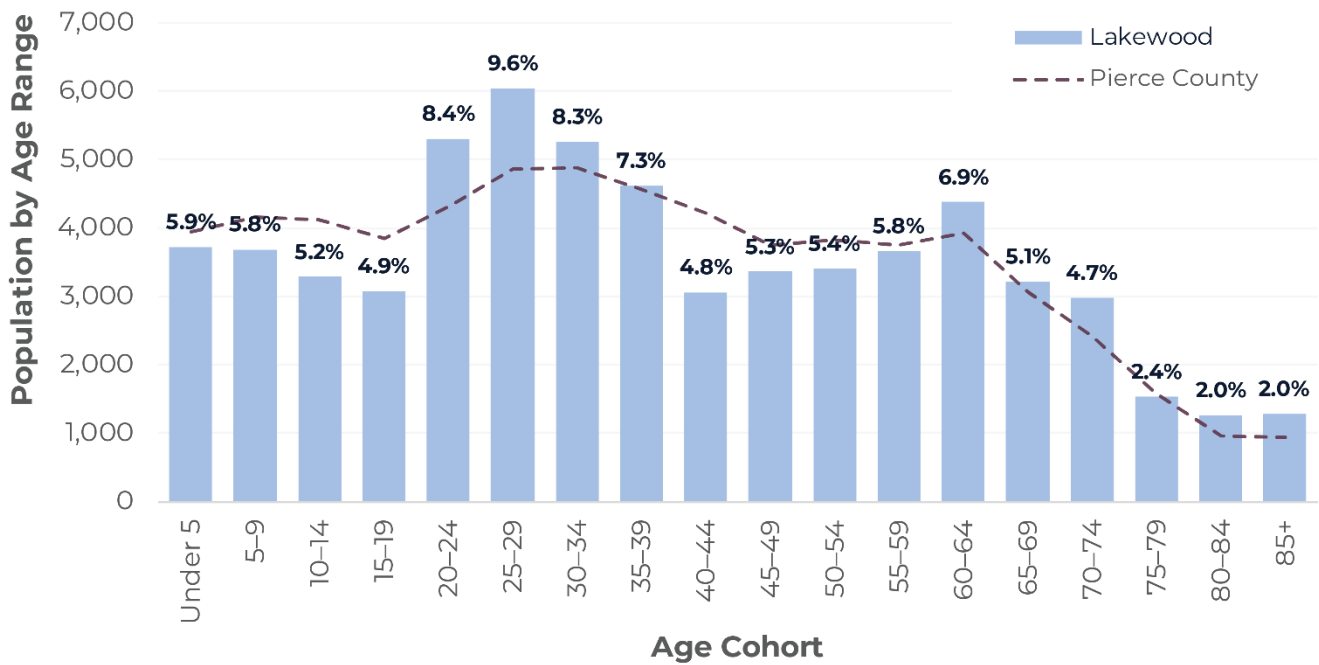
- **Lakewood has had notably low population growth.** Exhibit E-1 highlights population trends for Lakewood. Overall, this highlights that Lakewood has had low population growth, amounting to about 0.7% per year since 2016 and 0.4% since 2000.
- **Expected population targets are significantly higher than historical population trends.** Exhibit E-1 also highlights that under the recently approved Countywide Planning Policies for Pierce County, it is expected that Lakewood’s population will grow to 86,792 total residents by 2044. This represents a growth rate of about 1.4% per year, which is a significant increase over recent historical trends.
- **The local population has a disproportionate number of younger adults.** Exhibit E-2 highlights the age profile of Lakewood residents, with a comparison to the average for Pierce County as a whole. In comparison to other communities, Lakewood has a greater proportion of residents that are 20–29 years old. There is also a higher proportion of residents 60 years of age and older. This is possibly tied to the proximity to Joint Base Lewis-McChord (JBLM), both with younger service members living off-base and older veterans living closer to available veterans’ facilities, but can also relate to the availability of both affordable housing and high-amenity lakefront housing.

**Exhibit E-1. Current and Projected Lakewood Population, 2000–2044.**



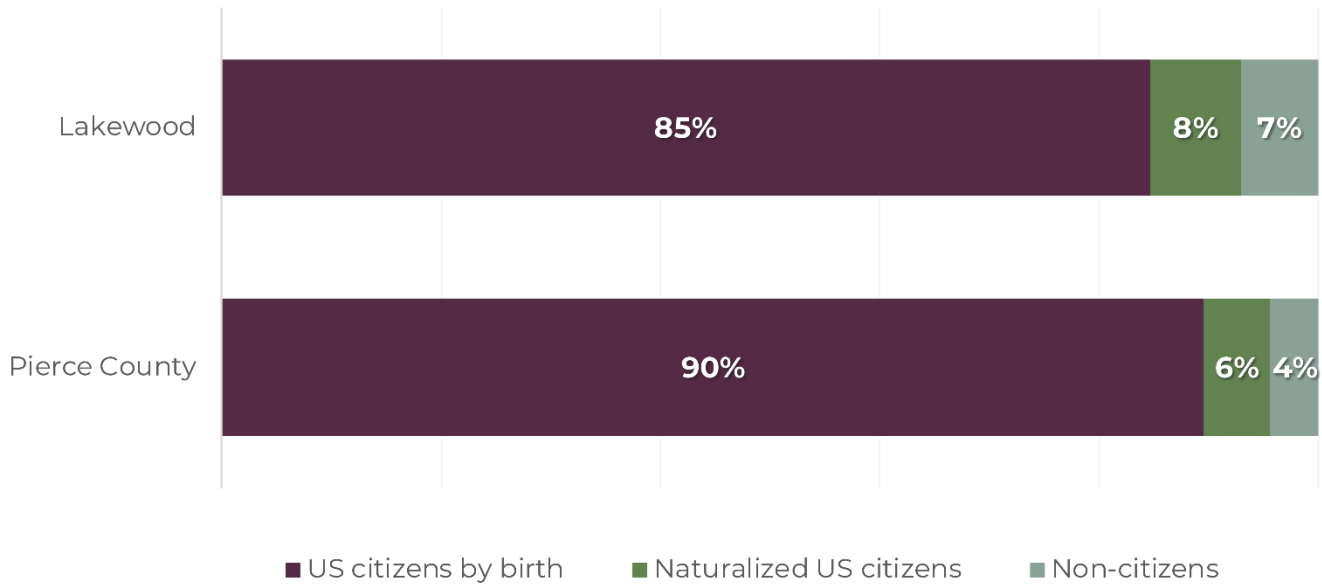
Source: WA Office of Financial Management, 2024

**Exhibit E-2. Age Cohorts in Lakewood and Pierce County, 2022.**



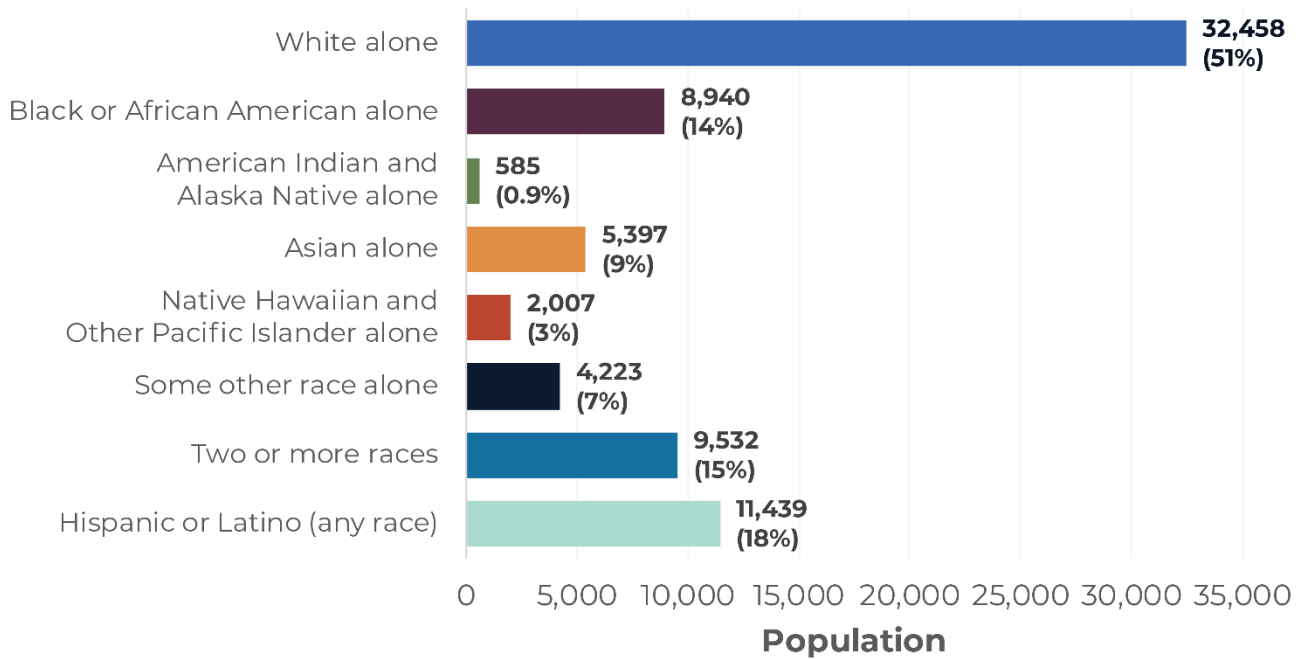
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-3. Lakewood and Pierce County Population by Citizenship Status, 2022.**



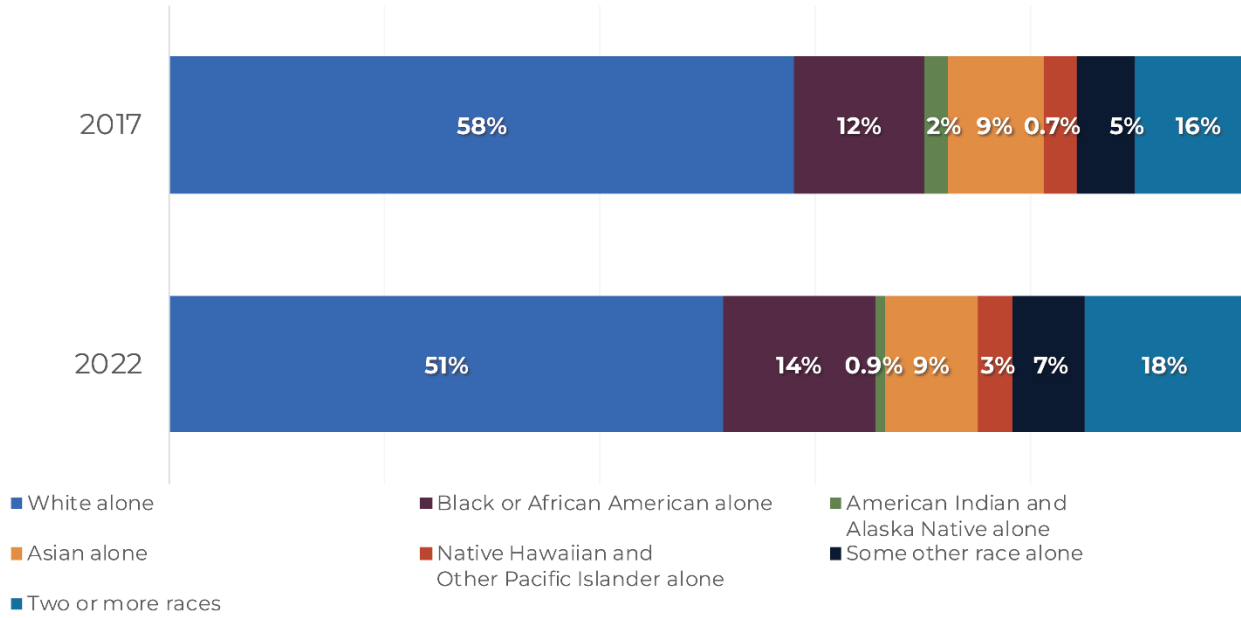
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-4. Lakewood Population by Race, 2022.**



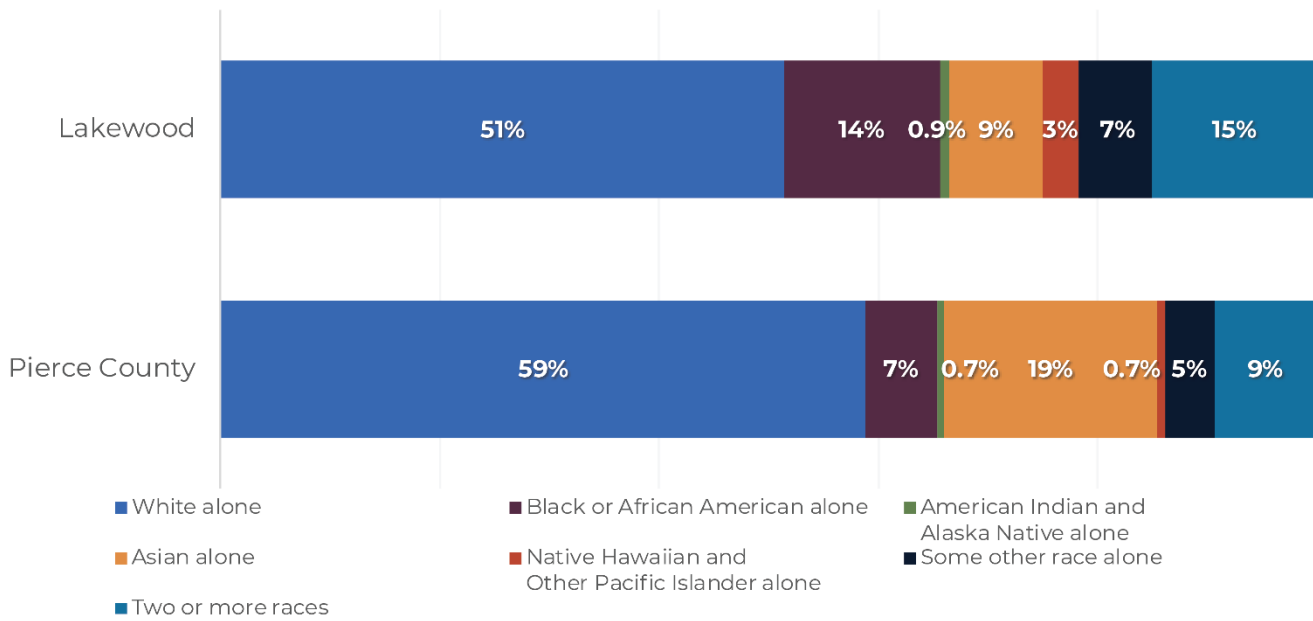
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-5. Lakewood Population by Race, 2017 and 2022.**



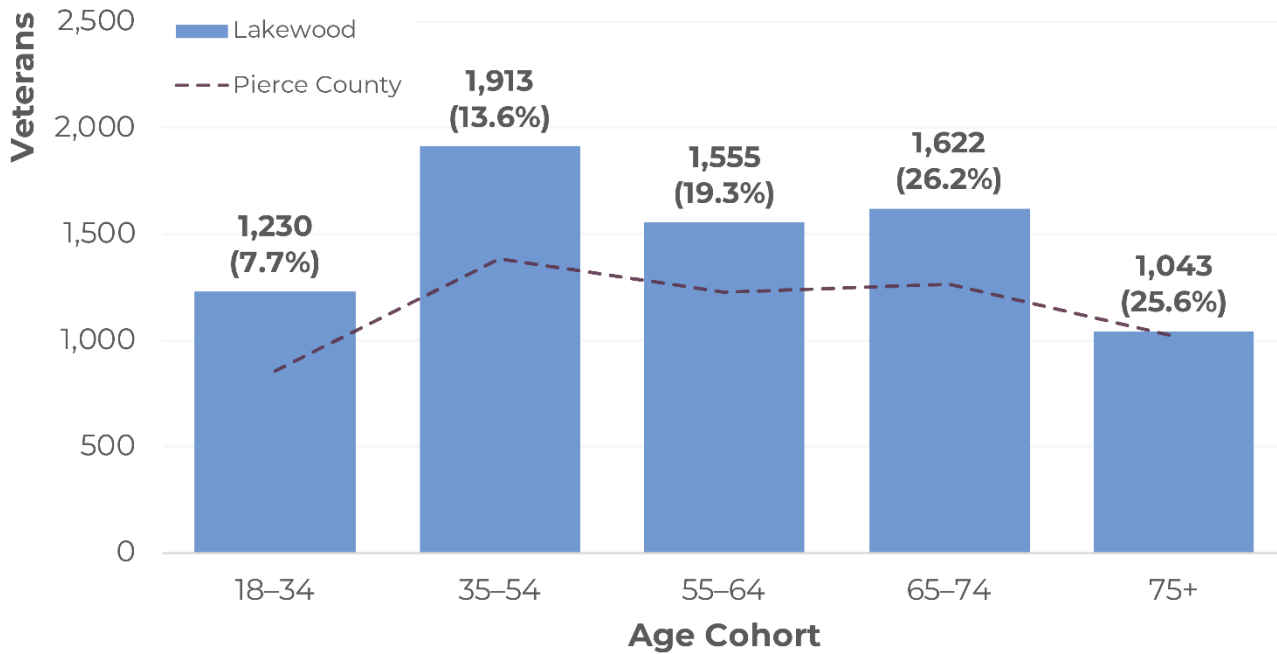
Source: US Census Bureau, 2018-2022 and 2013–2017 American Community Survey 5-Year Estimates

**Exhibit E-6. Lakewood and Pierce County Population by Race, 2022.**



Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-7. Lakewood and Pierce County Veteran Population by Age, 2022.**



Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

- **The community is becoming more diverse in Lakewood.** Over the past decade, Lakewood has become notably more diverse. There has been a decline in both the proportional and total number of white residents by racial category (from 58% in 2017 to 51% in 2020), while other populations of people of color have increased over time. Lakewood is also home to a higher percentage of Black, Indigenous and people of color compared to Pierce County in 2022, as shown in Exhibit E-6, and a higher proportion of foreign-born residents (Exhibit E-3).
- **Veterans form a key part of the population of the city.** Exhibit 8 provides a comparison between the proportion of veterans by age in Lakewood versus Pierce County as a whole. While the oldest veterans are represented at rates comparable to the county overall, Lakewood has a greater proportion of veterans in its population between the ages of 18 and 74. This is due in part to the presence of JBLM, including the availability of services to veterans in the community.



## E.2.3 Households

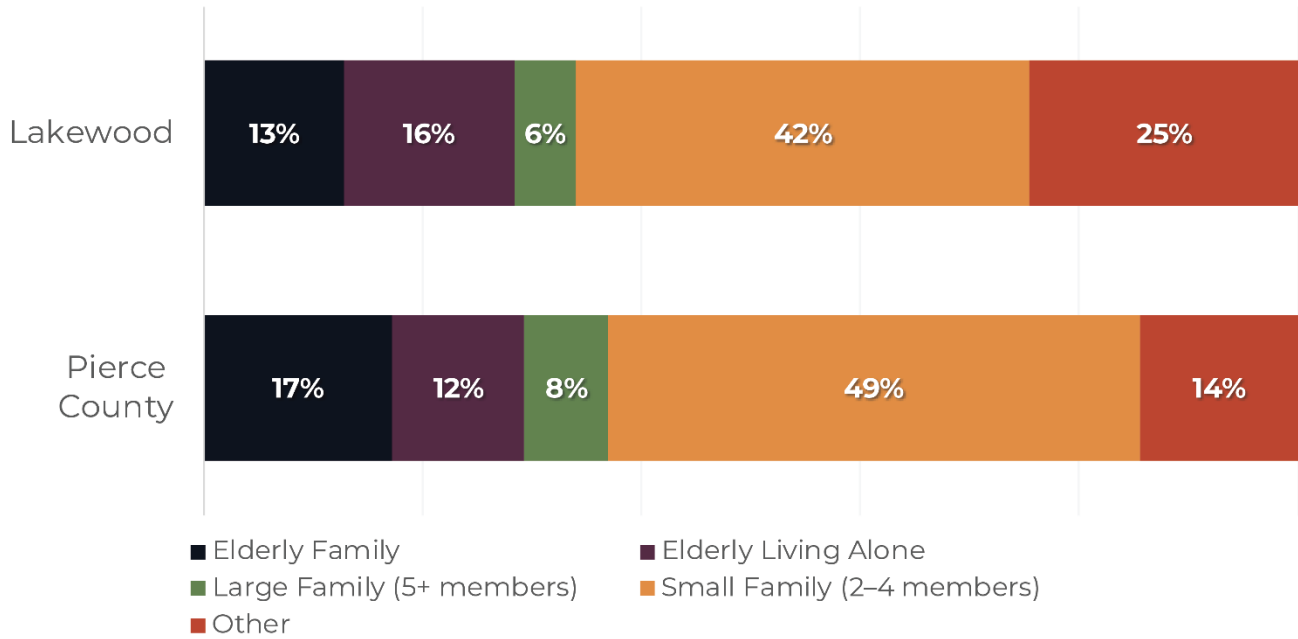
The following exhibits highlight major characteristics of households in Lakewood, with a focus on household income and tenure.

- Exhibit E-8 provides the proportion of households in the city and Pierce County in 2022 by general category, including types of families, elderly residents living alone or in a family, and other types (including people living alone and with roommates).
- Exhibit E-9 relates the total number of households in each category and provides a breakdown of these households by tenure (e.g., whether they rent or own).
- Exhibit E-10 provides median household incomes for Lakewood and Pierce County in 2022, divided between families and non-family households. (As above, “nonfamily” households include people living alone or with roommates).
- Exhibit E-11 gives the distribution of household incomes for Lakewood in 2022, with a reference for the Pierce County average also included.
- Exhibit E-12 provides the proportion of renter and owner households in 2020 by general income category (from “extremely low-income” to “above median income”) for Lakewood and Pierce County.
- Exhibit E-13 highlights the divide between renter and owner households in Lakewood in 2020 by race and ethnicity. (Note in this chart, “Hispanic or Latino” is not combined with other categories.)
- Exhibit E-14 presents a breakdown of renter households in Lakewood by race/ethnicity and income category in 2020.

Conclusions based on this information are important to consider when developing new housing goals and policies:

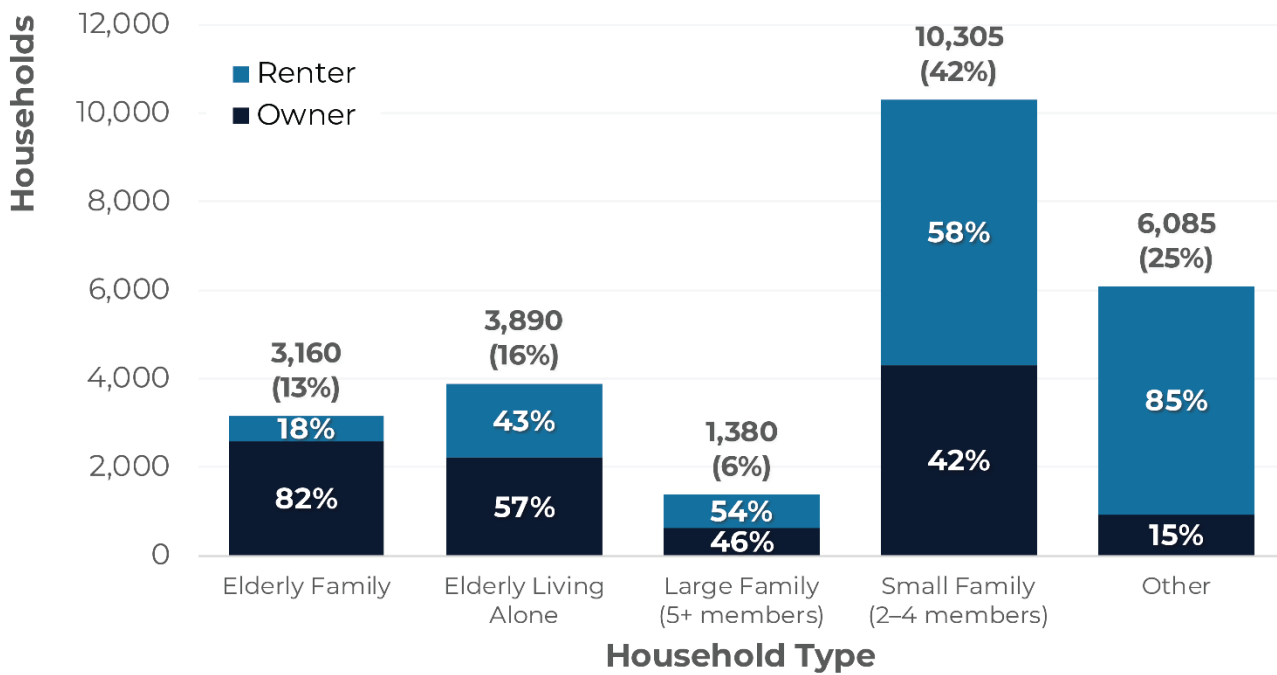
- **Small families are the most common type of household in Lakewood.** Exhibit E-9 highlights that about 42% of households in the city are small families with two to four members. Although this is the most dominant type of household, the proportion of these households that are renters (58%) is comparable to larger families (54%), but seniors living alone (43%) and senior families (18%) are more likely to be owners. On the other hand, a considerable number of non-family, non-senior households (including individuals and unrelated people living together) are renters, with 85% of these households renting.
- **Household incomes are lower than the county average.** As shown in Exhibit E-10, the median household income for Lakewood in 2022 was \$65,531, about 28% lower than the median household income of Pierce County. This percentage difference is true for both family and non-family households.
- **The lower median income is due to a higher representation of lower-income households.** As shown in Exhibit E-11, there are a greater proportion of households earning less than \$75,000 in Lakewood than in the county. Although higher-income households are found in the city, the availability of affordable housing options needs to consider this skew in the distribution.

**Exhibit E-8. Proportion of Households by Type, Lakewood and Pierce County, 2022.**



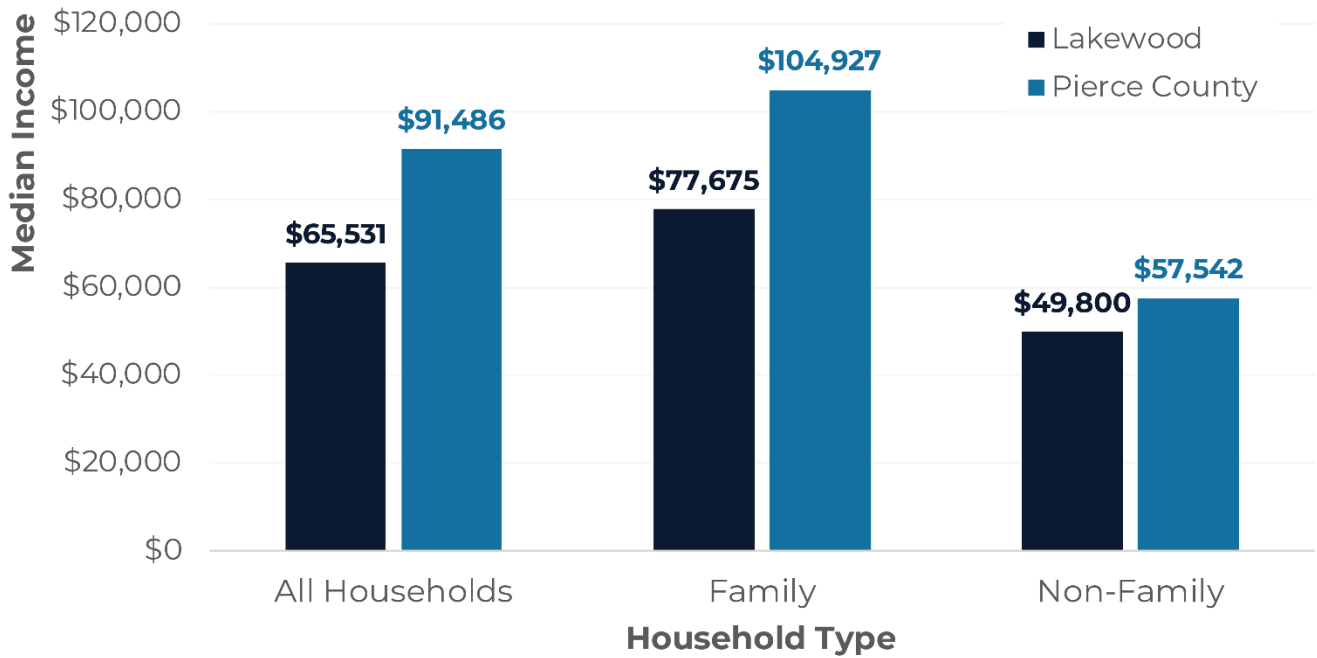
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-9. Households by Type and Tenure, Lakewood, 2022.**



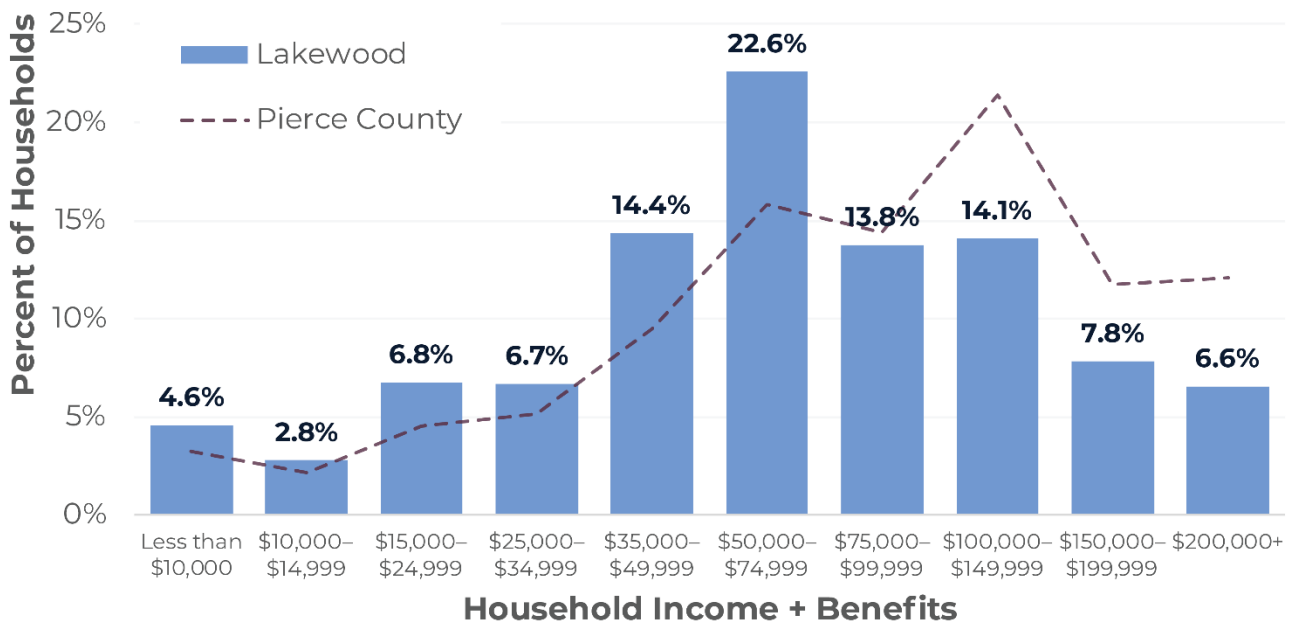
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-10. Lakewood and Pierce County Median Household Income, 2022.**



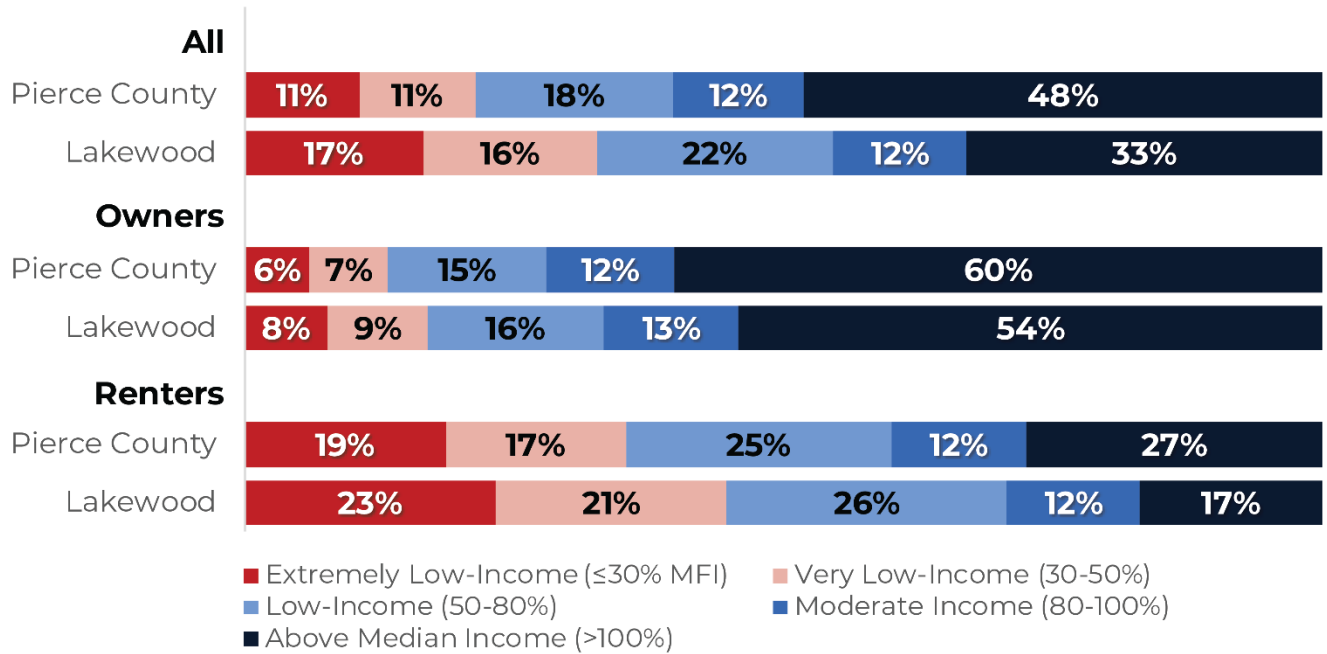
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-11. Distribution of Household Income, Lakewood and Pierce County, 2022.**



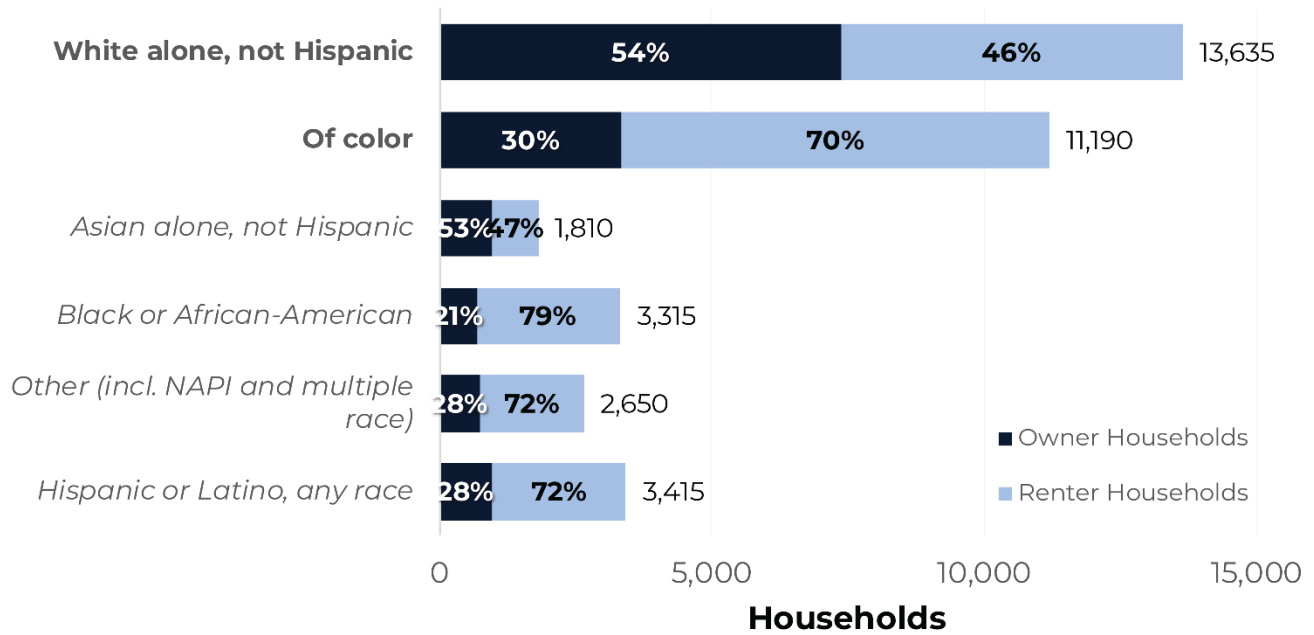
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates

**Exhibit E-12. Lakewood and Pierce County Household Income Categories by Tenure, 2020.**



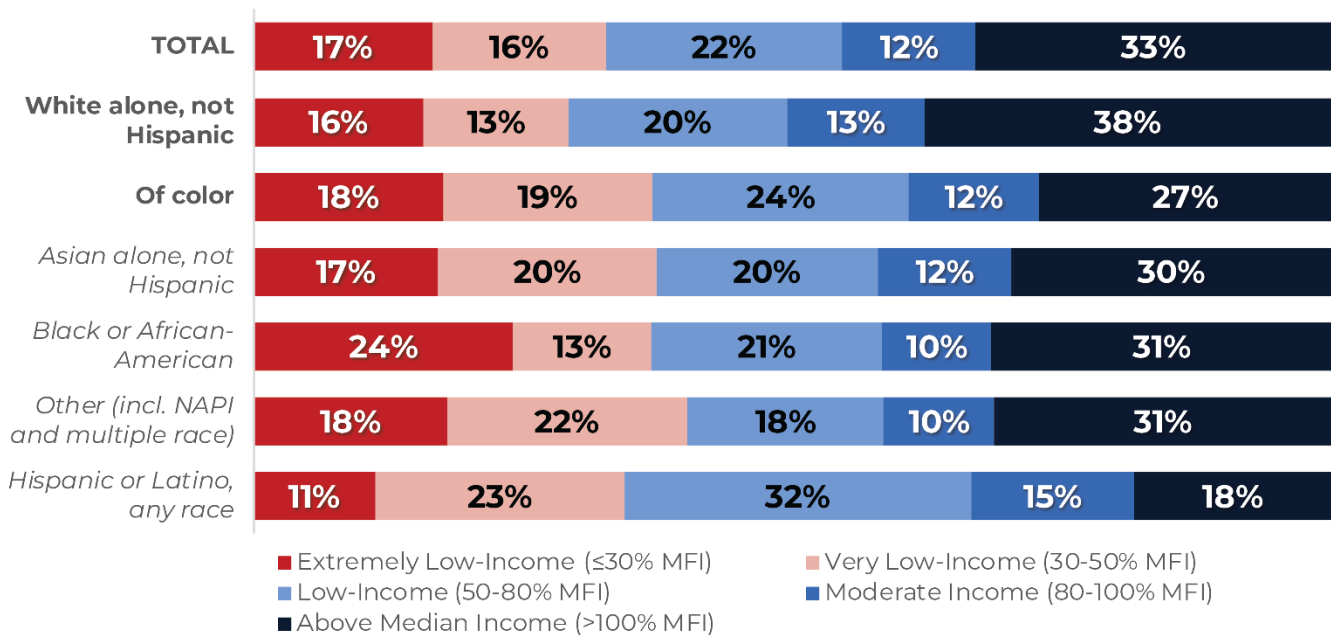
Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020

**Exhibit E-13. Households by Race/Ethnicity and Tenure in Lakewood, 2020.**



Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020

**Exhibit E-14. Renter Households by Race/Ethnicity and Income Category in Lakewood, 2020.**



Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020

- Household income differs distinctly between renters and owners.** Exhibit E-12 highlights that there are clear differences in incomes between renters and owners. For owners in Lakewood, about 60% have household incomes that are at least at the county area median income (AMI) or higher. Conversely, about 61% of all renters are below 80% of the county AMI, and 21% are considered extremely low-income.
- Black and Indigenous households and other households of color are more likely to rent than to own.** Examining the distribution of renters versus owners from available CHAS data as shown in Exhibit E-13, households of color are more likely to rent, with about 70% renting in comparison to 46% of white, non-Hispanic, households. This is even more true for African American (79% renter) and non-white Hispanic (72%) households.
- A greater percentage of renting African-Americans households are lower income.** In Exhibit E-14, the proportion of households renting in Lakewood are divided by race/ethnicity and income category. This distribution shows that overall, the income distribution of white renting households skews slightly higher, while Black households skew lower. According to this dataset, 28% of Black or African American households are extremely low-income, compared to 18% of households overall.

## E.2.4 Housing Stock and Production

As of April 2023, the state Office of Financial Management estimated that Lakewood had a total of 27,320 housing units. The following exhibits provide perspectives on the current stock and production of housing in Lakewood. This includes:

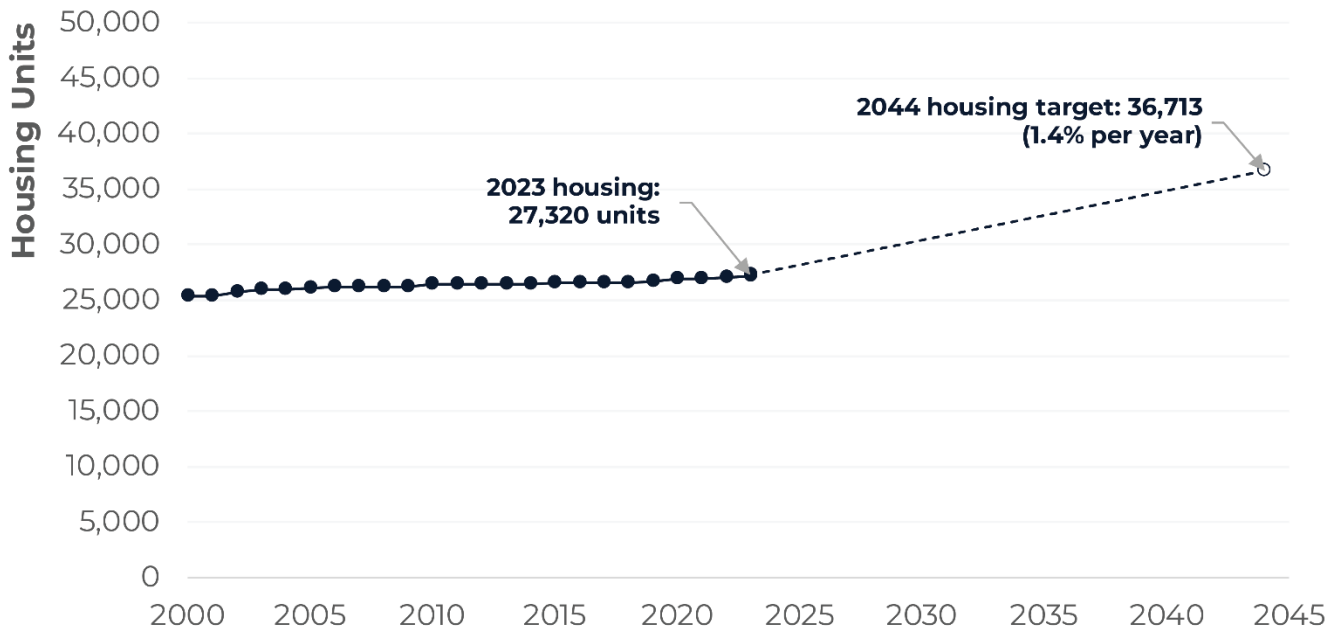
- The historical count of housing units in Lakewood, and the 2044 housing target under the Pierce County CPPs (Exhibit E-15).
- The current housing inventory in Lakewood by housing type, including comparisons with surrounding communities (Exhibit E-16).
- Total housing completions in Lakewood between 2010 and 2023 by housing type, including breakdowns by year (Exhibit E-17), with comparisons to other communities in Exhibit E-18.
- Effective rents by the size of rental units, provided both in dollars (Exhibit E-19) and as a proportion of the city's median income (Exhibit E-20). (Note that the median income values were projected here for 2022 and 2023.)
- The “Zillow Home Value Index” provides a general assessment of local home values in the market, including median and low/high estimates for Lakewood and a reference to Pierce County. This is provided in full in dollars in Exhibit E-21, and the median value was provided as a proportion of the city's median income in Exhibit E-22.

This information highlights the following:

- **Net housing production in Lakewood since incorporation has been nominal.** Between 2014 and 2023, there has been only a small net increase in the total amount of housing, with a net 0.28% increase per year, as shown in Exhibit E-15. Note that this is substantively lower than the population growth rate provided previously, implying that population increases have been accommodated through household size increases.
- **Future housing production can be accommodated to meet the city's growth targets, but the rate of development will have to increase significantly.** To meet the 2044 housing target for Lakewood of 36,713 housing units as shown in Exhibit E-15, there needs to be a substantive and sustainable increase in housing production over the next 20 years. An average of 447 units per year or an average growth rate of 1.4% will be required. This average rate is 79% higher than the peak housing completions recorded in 2020.
- **Lakewood has been building multifamily housing in the last ten years.** Lakewood has seen a net increase of housing production from 2010 to 2023 (see Exhibit E-17). Overall Lakewood has built 1,231 units, predominantly multifamily, from 2010–2023.
- **Lakewood has had a greater amount of attached and multifamily development than many comparable communities.** Exhibit E-18 highlights the differences between housing production from 2011 to 2020 by type between Lakewood and area communities (Federal Way, Puyallup, University Place, Tacoma, and Fife). Of all of these communities, only Tacoma has had a lower percentage of their total housing production as single-family detached homes. A significantly larger percentage of local development in Lakewood has also been developed as duplexes, triplexes, and fourplexes, consisting nearly 12% of the total development in the community.



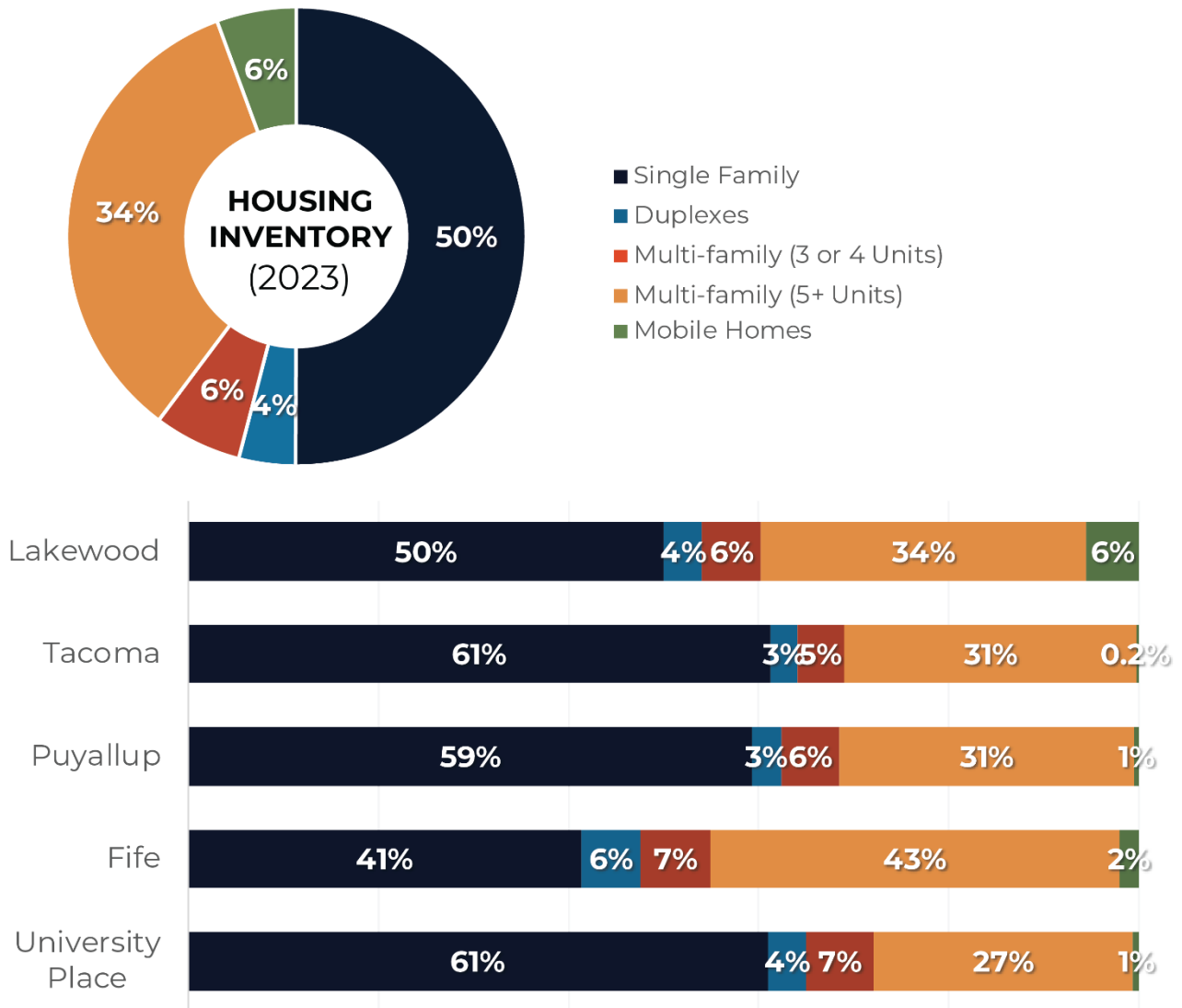
**Exhibit E-15. Historical and Projected Housing Counts for Lakewood, 2000–2044.**



Source: WA Office of Financial Management, 2024.

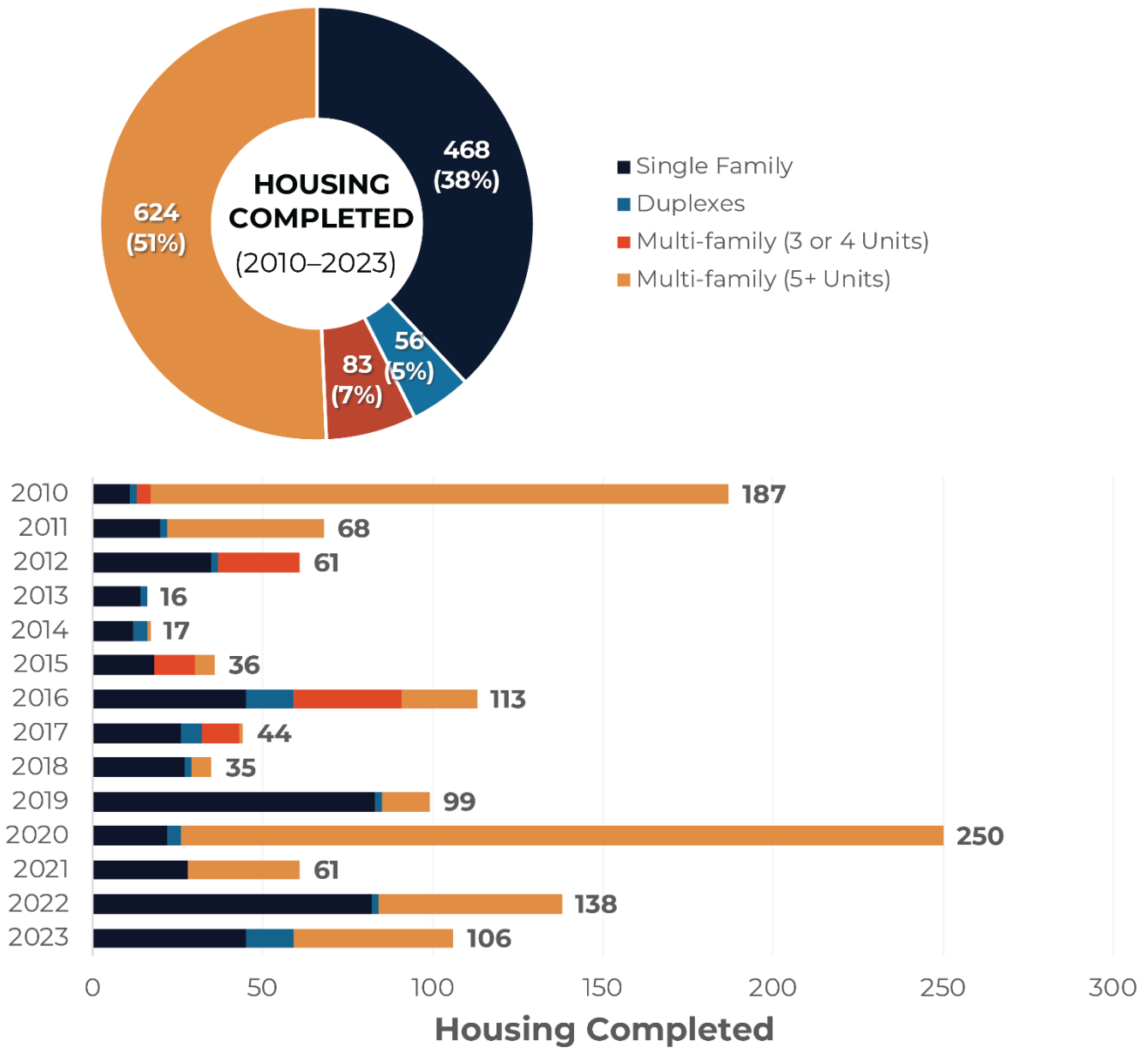
- Rents in Lakewood have been increasing since 2014, with larger units increasing by the greatest amount.** The changes in rents identified in Exhibit E-19 highlight that across all rental units, there was relatively little changes in median rents between 2000 and 2014, but more significant changes since that point. For studio apartments, this increase has been at the rate of about 4.4% per year on average, but rents for larger units with three bedrooms have increased by over 7% per year. This is highlighted in comparison to household incomes in the chart in Exhibit E-20, with the greatest rise between 2014 and 2016. This is most notable for units with three bedrooms, which have increased to almost 118% of what would be affordable at median income.
- Substantial increases in housing value began in 2013, with overall decreases in affordability.** The figures in Exhibits E-21 and 22 also indicate an increase in home values starting in 2012 and 2013, and while there have been slight declines from the 2022 peak, median prices in early 2024 are at over \$474,000. While these slight declines can be seen when compared to median incomes, the median home value index increased from about 4.3 times the city’s median income to almost 6.9 times median income.

Exhibit E-16. Proportion of Current Housing Types, Lakewood and Surrounding Communities, 2023.



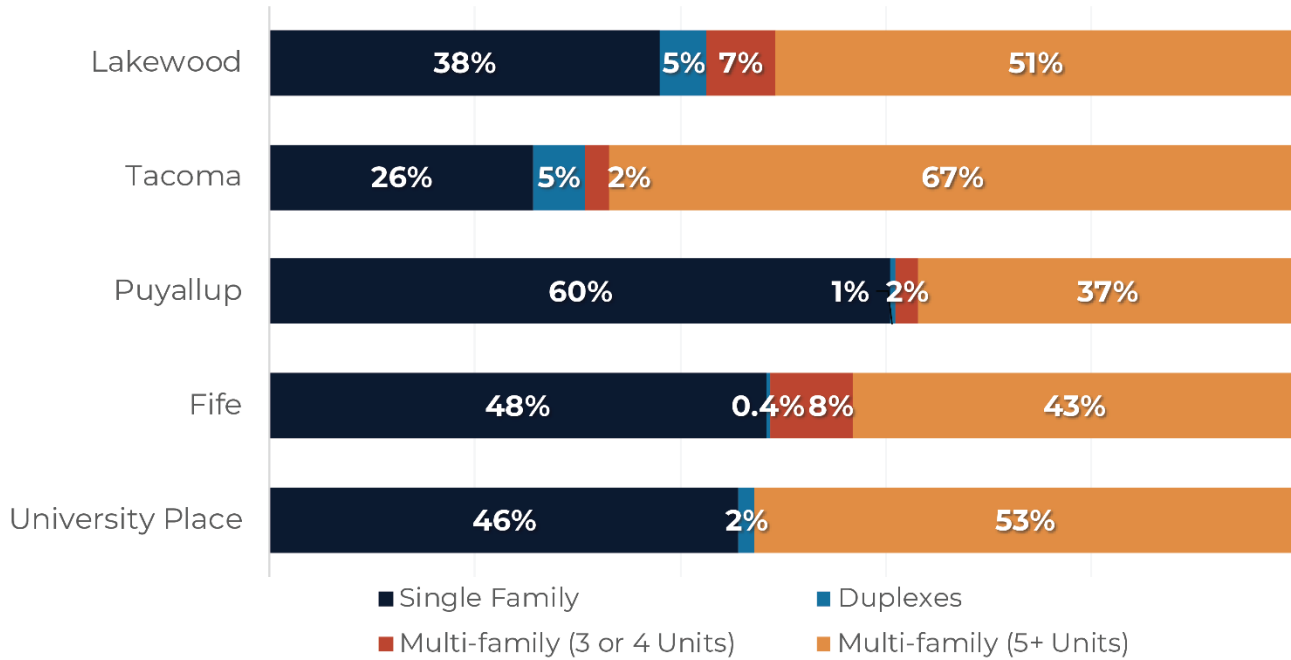
Source: WA Office of Financial Management, 2024.

Exhibit E-17. Housing Units Completed in Lakewood by Type, 2010–2023.



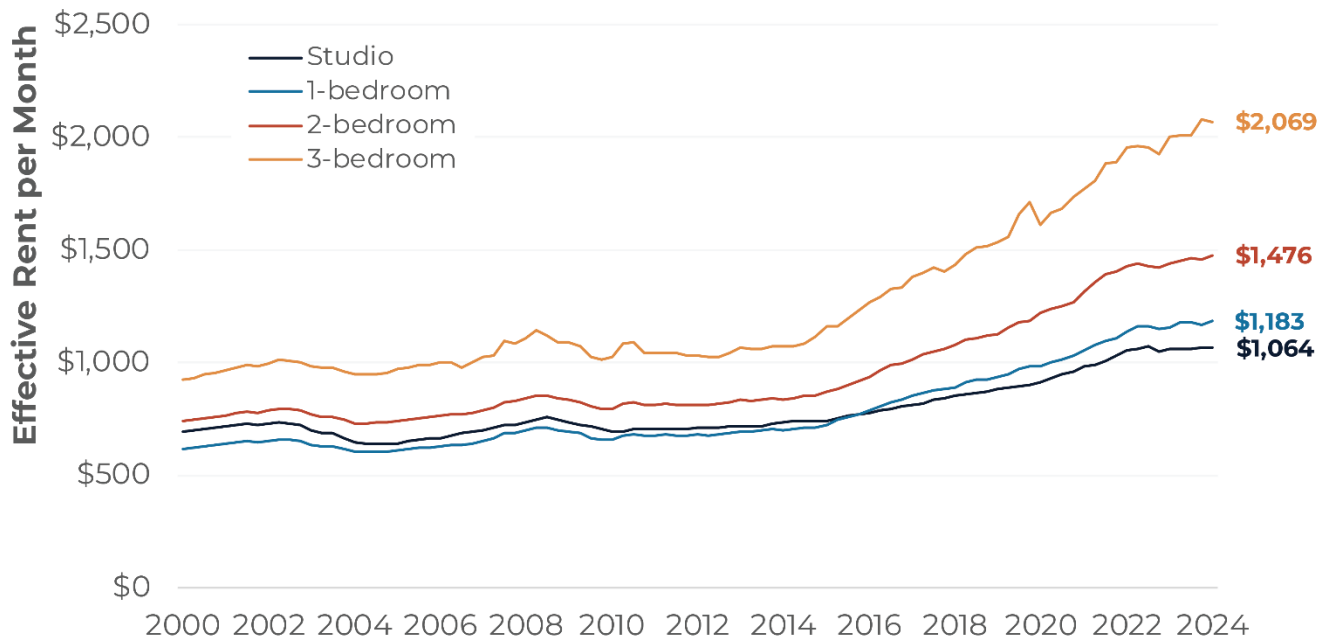
Source: WA Office of Financial Management, 2024.

**Exhibit E-18. Housing Units Completed in Lakewood and Surrounding Communities by Type, 2010–2023.**



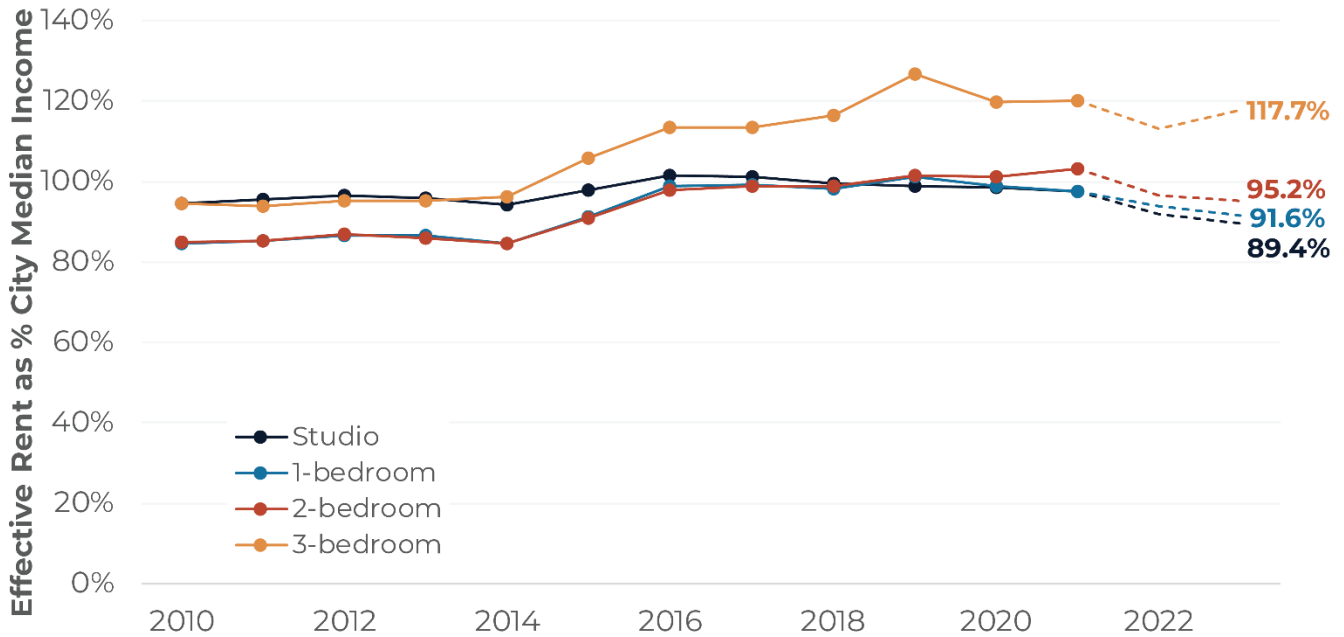
Source: WA Office of Financial Management, 2024.

**Exhibit E-19. Effective Rents by Unit Size in Lakewood, 2001–2024 (YTD).**



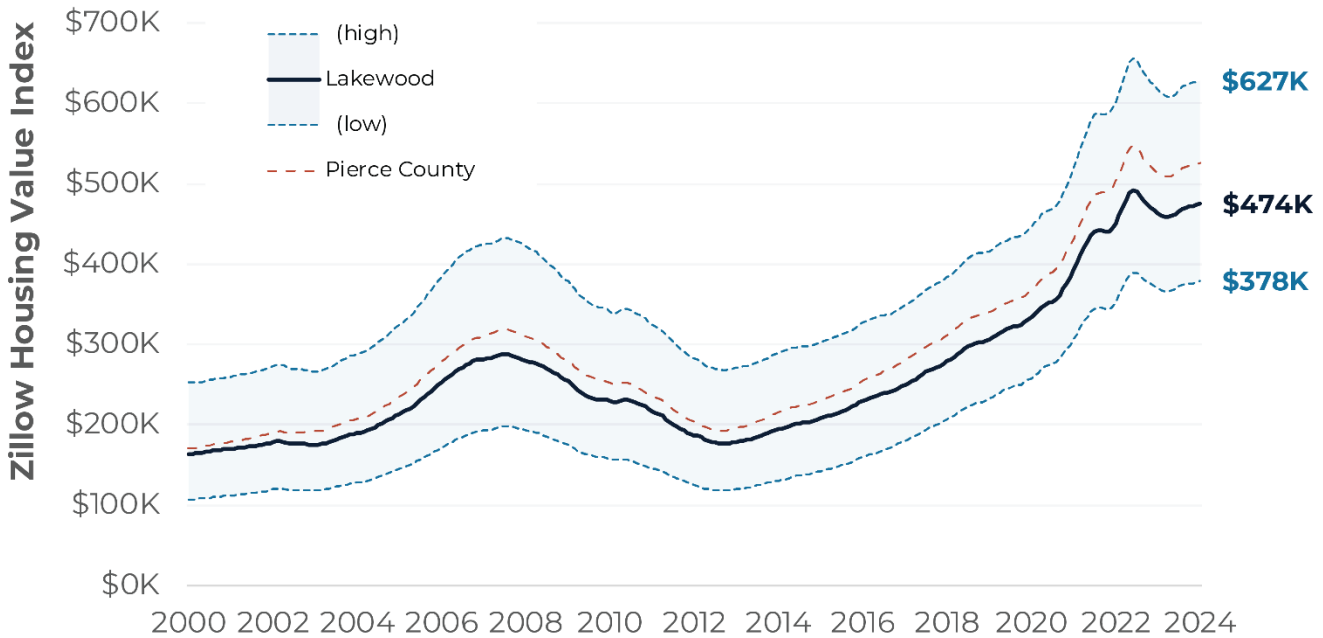
Source: CoStar, 2024; US HUD CHAS data (multiple years)

**Exhibit E-20. Effective Rent as Percent Lakewood Median Income by Size, 2010–2023 (YTD).**



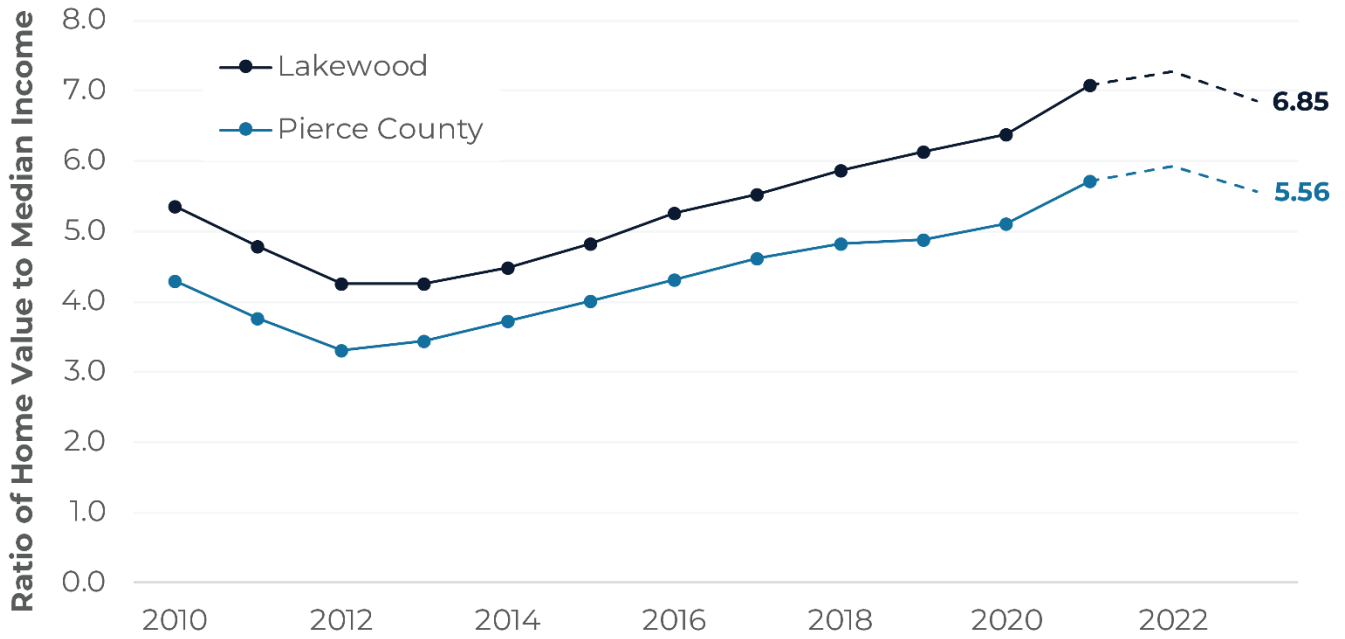
Source: CoStar, 2024; US HUD CHAS data (multiple years)

**Exhibit E-21. ZHVI Home Value, Lakewood and Pierce County, 2000–2024 (YTD).**



Source: Zillow, 2024; US HUD CHAS data (multiple years)

**Exhibit E-22. Ratio of ZHVI Median Home Value to Median Income, Lakewood and Pierce County, 2010–2023 (YTD).**



Source: Zillow, 2024; US HUD CHAS data (multiple years)



## E.2.5 Housing Targets

As noted above, the City of Lakewood is planning to a total of **36,713 housing units**. This is a target based on the Pierce County Countywide Planning Policies, the PSRC VISION 2050 Regional Growth Strategy, and new state requirements regarding county-based housing production targets.

For the purposes of the CPPs, this growth target has been divided between different housing types, with a start date in 2020. Exhibit E-23 highlights this as a **net increase of 9,378 housing units** required between 2020 and 2044. These targets are divided by area median income in the following categories:

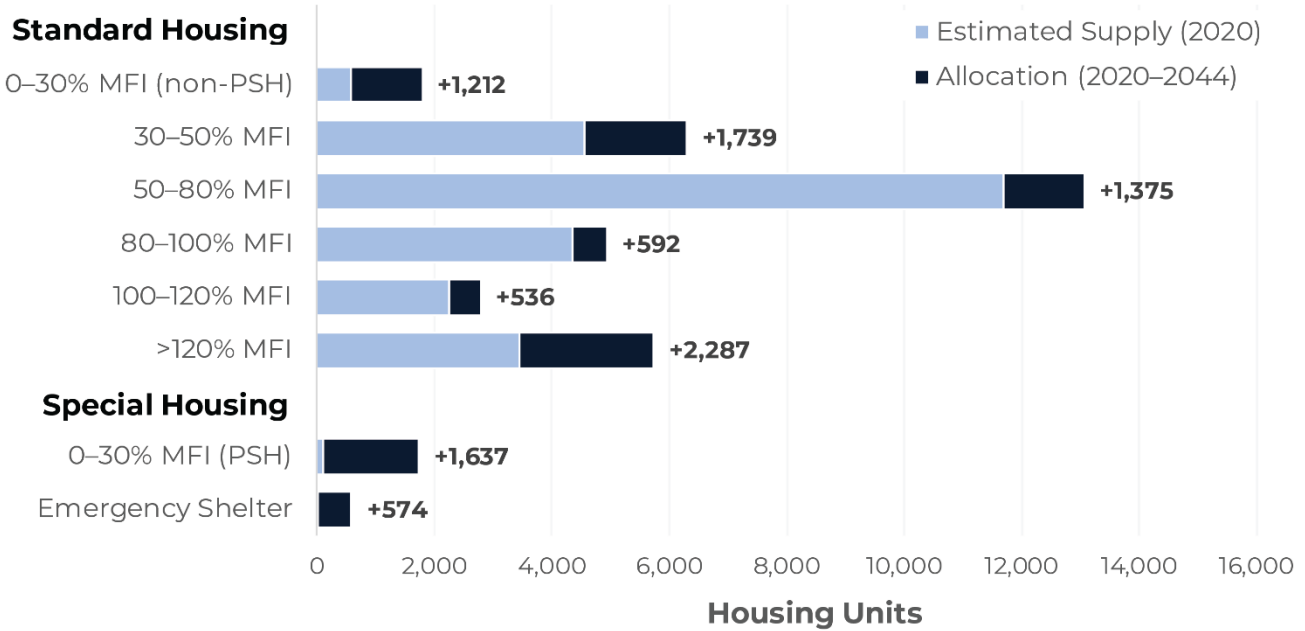
- Extremely low income (0–30% AMI)
- Very low income (30–50% AMI)
- Low income (50–80% AMI)
- Moderate income (80–100% AMI)
- Moderate income above median (100–120% AMI)
- Above median (120% AMI or higher)

Additionally, there are specific targets which will impact the types of housing that will need to be built to meet local needs. These targets translate to housing types as follows:

- **Permanent supportive housing: 1,637 units**, which includes not only housing, but also wraparound services for residents, will require multifamily apartment development types and will be account for 17% of the net increase in housing by 2044..
- **Multifamily apartment units: 4,326 units** in denser formats are allocated to meet the needs of households at 80% of AMI or below. This amounts to 46% of the net housing increase. Given the comparatively low rents, these unit types may need to be built with additional financial support and subsidies from government agencies and other organizations.
- **Middle housing units: 1,128 units**, such as townhouses and -plex development, are assumed to meet needs at 80–120% of AMI. These housing units may need some subsidies or incentives to be built but are expected to include market-rate units. About 12% of the total housing built will be needed to accommodate this AMI range’s housing needs by 2044.
- **Other housing types: 2,287 units**, including single-family detached housing, for the needs of households at 120% of AMI or higher. Note that these units will account for about 24% of the total target. These will likely be fully market-rate housing with no need for additional incentives but note that these targets could be built within mixed-income housing projects that include both affordable and market-rate units.

**Exhibit E-23. Lakewood Housing Needs by Income Level (% of Area Median Income).**

	2020 Est. Supply	2044 Target	Allocation, 2020–2044
<b>Total Housing Units</b>	<b>26,999</b>	<b>36,377</b>	<b>9,378</b>
0–30% AMI			
<i>Permanent Supportive Housing</i>	101	1,800	1,637
<i>Additional Housing</i>	588	1,468	1,212
30–50% AMI	4,565	6,304	1,739
50–80% AMI	11,699	13,074	1,375
80–100% AMI	4,347	4,939	592
100–120% AMI	2,250	2,786	536
120% AMI or higher	3,449	5,736	2,287
<b>Emergency Units</b>	<b>8</b>	<b>582</b>	<b>574</b>



Source: Pierce County, 2023.

In addition to the overall needs for housing, including subsidized housing types and permanent supportive housing for people facing chronic housing instability, these housing targets also specify the need for an **additional 574 emergency shelter beds** to be built by 2044.

As of 2023, the city had eight units of emergency housing. However, historical data underlines the growing need for additional emergency shelter units in our city. Exhibit E-24 provides unique client numbers, consisting of those who reportedly last resided or slept in Lakewood, which escalated by 47% from 2017 to 2022. Additionally, a total of 416 unique referrals were made to the Pierce County HMIS system within the period of January 1 to September 20, 2023.

**Exhibit E-24. HMIS Data on Lakewood Clients Requiring Emergency Shelter, 2017–2023.**



Note: This includes clients who reported the city they last slept in was Lakewood or who reported their last permanent zip code was in Lakewood.

Source: HMIS, 10/27/2023

## E.2.6 Housing Capacity

Exhibit E-25 provides an estimate of current housing capacity and expected growth to 2044 in Lakewood given changes in recent state statutes regarding allowable housing densities. This table includes outputs from an assessment of available developable land, including:

- **Projected housing needs** for specific household income categories (based on percent AMI).
- A description of the **zoning categories** that could meet the identified needs.
- **Aggregated housing needs** based on the zoning categories.
- **Total net capacity** within the identified zoning categories.
- A **combined net capacity** that aggregates targets at 80% AMI and above to reflect the significant increase in middle housing capacity available and the need to meet targets through growth in these areas.
- The **net capacity surplus / deficit** in capacity under this analysis.

Under this assessment, three different targets by housing type are included:

- Low-rise multifamily and accessory dwelling units for households at **80% AMI or below**, likely identified for rentals;
- Moderate density housing, specifically middle housing options such as plexes and townhomes, identified for **80–120% AMI**, with a mix of rental and ownership options; and
- Lower density housing, including single-unit detached housing, allocated for **120% AMI or above** and mostly owner-occupied housing.

**Exhibit E-25. Lakewood Estimates of Total Capacity and Expected Growth, 2020–2044.**

Income	Projected Housing Need	Zoning Categories Serving Needs	Aggregate Housing Needs	Total Net Capacity	Combined Housing Needs	Combined Net Capacity	Net Capacity Surplus/Deficit
<b>0-30% Non-PSH</b>	1,212						
<b>0-30% PSH</b>	1,637	<b>Low-Rise Multifamily</b>	5,963	9,838	5,963	9,838	4,533
<b>&gt;30-50%</b>	1,739						
<b>&gt;50-80%</b>	1,375						
<b>&gt;80-100%</b>	592	<b>Moderate Density + ADUs</b>	1,128	8,879	3,415	7,948	3,875
<b>&gt;100-120%</b>	536						
<b>&gt;120%</b>	2,287	<b>Low Density</b>	2,287	(931)			
<b>Total</b>	<b>9,378</b>		<b>9,378</b>	<b>17,786</b>	<b>9,378</b>	<b>17,786</b>	<b>8,408</b>

Sources: BERK, 2024; City of Lakewood, 2024; Pierce County, 2023.

This assessment highlights that there is sufficient capacity to meet local needs for housing. However, there are several considerations with addressing future housing needs and targets:

- **There is an expected shift in focus to middle housing capacity.** Recent amendments to the Growth Management Act have expanded the allowance for middle housing development.<sup>3</sup> Even without changes in development regulations, this expansion in capacity for middle housing is allowed under state law. However, note that this does not restrict the construction of new single-family homes, as development may be limited by critical areas or property owners might choose to develop single-family residential housing even if more density is allowed.
- **Middle housing capacity may also accommodate higher-income household demand.** Although a portion of the housing target defined in Exhibit E-23 is targeted to households at 120% of AMI or above, the expansion of areas where middle housing is allowed constrains those locations where new single-family housing may be built. The “combined housing needs” and “combined net capacity” columns indicate how middle housing may help to meet housing needs in these demographics. Ongoing monitoring will be necessary to determine how these needs are being met locally.
- **Housing development needs to increase to meet targets.** The estimated housing target for the 2020–2044 planning period is 9,378 units, which averages to about 390 housing units per year. This

<sup>3</sup> See RCW [36.70A.635](#).

exceeds housing completions in the city over the past 14 years, meaning that meeting these targets will require addressing barriers and providing incentives for growth.

The results indicate overall that promoting multifamily and middle housing types will be essential in helping to meet ongoing housing targets over the next 20 years, and that monitoring will be essential in ensuring that this growth can continue over time.

## E.2.7 Special Housing Types

In addition to ensuring that there is sufficient capacity for market-rate and affordable housing, there is also a need to maintain conditions in the community to allow for other types of housing to meet local needs. Under the Growth Management Act, the city must consider the needs for many different special housing types, including:

- Group homes,
- Foster care facilities,
- Emergency housing,
- Emergency shelters, and
- Permanent supportive housing.

The GMA also includes considerations of other special types of housing, including senior housing and housing for people with disabilities, which can also have different incentives and may need to be considered differently in development regulations.

Exhibit E-26 provides the specific figures for necessary capacity with special housing types provided as part of the Pierce County Countywide Planning Policies. Within these targets, there are two primary types of special housing covered:

- **Permanent supportive housing** is subsidized, leased housing with no limit to the length of stay, and it prioritizes individuals needing comprehensive support services. It uses lower barriers to entry than other housing, particularly regarding rental history, criminal history, and personal behaviors. This housing is paired with voluntary on- or off-site services to meet the specific needs of residents who were previously homeless or at risk of homelessness maintain their tenancy, improve their health, and connect with other community-based services.
- **Emergency housing** includes temporary indoor accommodation for individuals or families who are homeless or at imminent risk of becoming homeless. These facilities are intended to address basic, short-term shelter requirements, as well as health, food, clothing, and personal hygiene needs of individuals or families. Emergency housing may or may not require occupants to enter into a lease or an occupancy agreement.

**Exhibit E-26. Lakewood Special Housing Needs, 2020–2044.**

	2020 Est. Supply	2044 Target	Allocation, 2020–2044
<b>Permanent Supportive Housing</b>	101	1,800	+1,637
<b>Emergency Units</b>	8	582	+574

Both types of special housing have targets under the County CPPs because of additional challenges associated with siting these facilities. While they may not necessarily be deemed as essential public facilities under RCW [36.70A.200](#), there are often challenges with siting them in areas where supportive services are located and addressing concerns from the neighborhood about potential nuisances.

Additionally, building and operating these facilities may require significant subsidies. Typically, religious and nonprofit organizations are involved with their development and operation, and donations, grants, and subsidies are essential to their operations. The city can play a key role in addressing these needs through facilitating development applications by these groups, providing sources of subsidies (both for capital and operating costs), and coordinating available local services that can bolster supportive services.

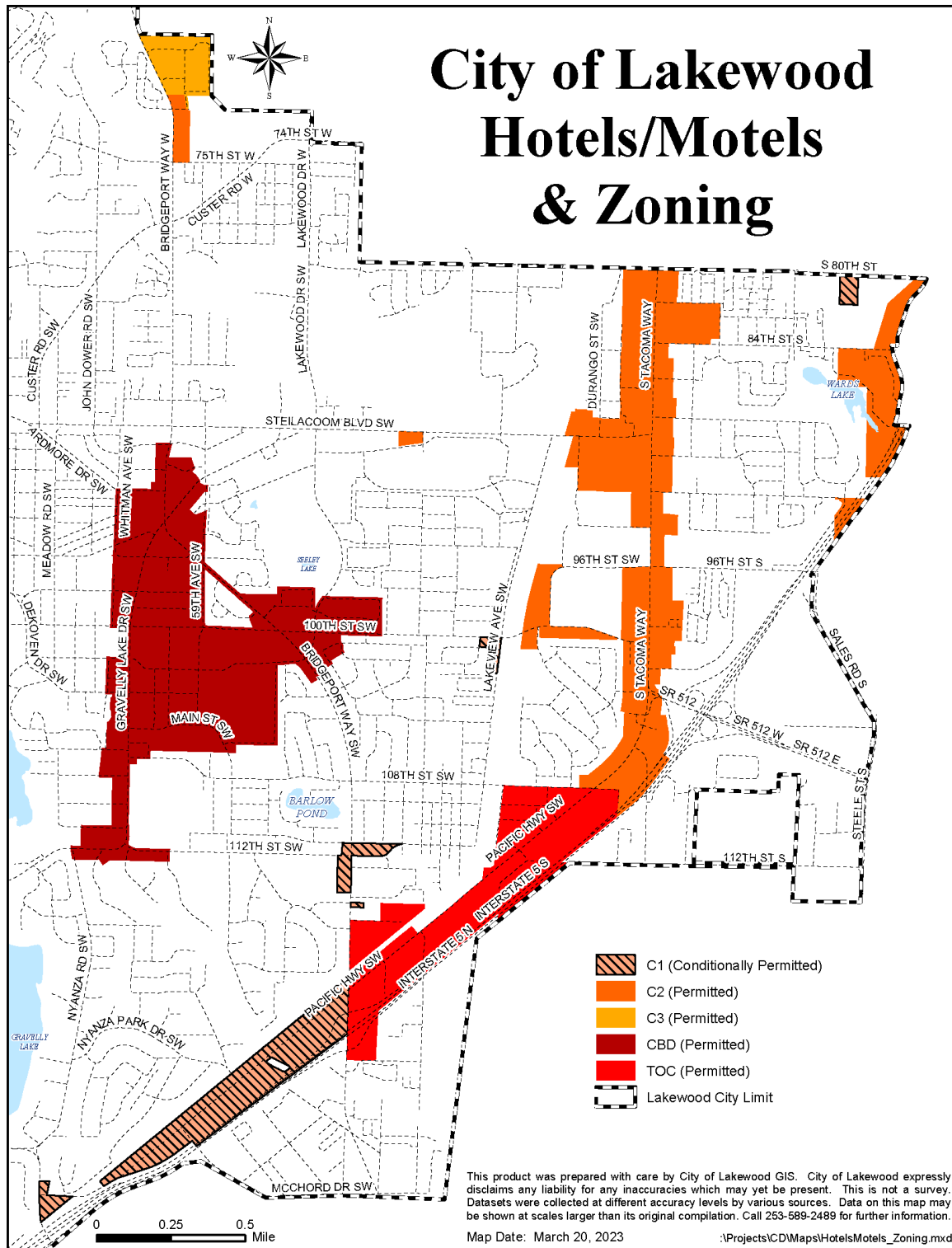
To meet requirements under state law, requirements on occupancy, spacing, and intensity of use may not prevent the siting of permanent supportive housing and emergency housing options to meet identified targets. Restrictions on these uses are also only permitted to protect public health and safety.

Available capacity for permanent supportive housing is considered under the capacity assessment described above. Capacity calculations regarding the required additional 574 emergency housing units are included below. The following exhibits highlight key information related to meeting these long-term targets:

- Exhibit E-27 highlights all areas in the city under current zoning where indoor emergency shelters are allowed.
- Exhibit E-28 summarizes the room capacity of existing hotels and motels in the city.
- Exhibit E-29 indicates the estimated net capacity for commercial development in areas which allow for emergency housing needs.



Exhibit E-27. Lakewood Zoning Districts Allowing Hotels/Motels as Permitted or Conditional Uses.



Sources: City of Lakewood, 2023; Pierce County, 2023.

**Exhibit E-28. Lakewood Hotel/Motel Capacity, 2024.**

Location	Rooms
6125 Motor Ave SW	78
9325 S Tacoma Way	77
9920 S Tacoma Way	202
4215 Sharondale St SW	55
10720 Pacific Hwy SW	83
11329 Pacific Hwy SW	122
11621 Pacific Hwy SW	38
11725 Pacific Hwy SW	120
11751 Pacific Hwy SW	120
12704 Pacific Hwy SW	60
12215 Pacific Hwy SW	51
12039 Pacific Hwy SW	25
12701 Pacific Hwy SW	60
<b>TOTAL</b>	<b>1,111</b>

Sources: BERK, 2024; City of Lakewood, 2024.

**Exhibit E-29. Lakewood Commercial Development Capacity in Zones Allowing Emergency Housing.**

Zone	Net Capacity (in SF)
Commercial 1 (C-1)	126,000
Commercial 2 (C-2)	513,555
Commercial 3 (C-3)	0
Central Business District (CBD)	2,906,193
Transit-Oriented Center (TOC)	738,493
<b>TOTAL</b>	<b>4,284,241</b>

\* Conditional use.

Sources: BERK, 2024; City of Lakewood, 2024.

Given the 1,000-foot spacing requirement between emergency shelter space managed by different organizations, fixing a specific capacity figure is challenging. However, the following information suggests that the target of an additional 574 emergency housing units can be met in different ways:

- **Hotel/motel capacity.** Over the long term, if it can be assumed that hotel/motel capacity would be available to meet these needs, existing hotels have a total capacity of up to 1,111 rooms to meet these needs. While some of these potential sites may be removed from consideration by spacing requirements, common management and targeted acquisition can help to reach these goals.
- **New construction.** Although new construction may be more expensive than the acquisition of an existing site, this may be an option for some providers. In the case of available land capacity, the total capacity of 4.2 million square feet distributed across four different zoning districts should be sufficient to accommodate new development of shelter space.
- **Reuse of other structures.** Another option is to repurpose existing buildings, whether residential or non-residential, for temporary or permanent emergency shelter space. This would require a thorough review of available spaces in the zones identified in Exhibit E-27 to find suitable structures, but there may be existing development that could be used in this way.

Providing long-term solutions to meet emergency housing requirements will not only require incorporating capacity considerations, but also effective coordination with non-profit agencies, religious organizations, and other groups working to create and operate these facilities.

## E.2.8 Subarea Planning

Lakewood adopted two subareas between 2018 and 2022. Each had significant housing unit allocations; together, the count totaled 38% of the city's 2044 target of 9,378 new units:

- 2035 housing growth target in 2018 Downtown Subarea Plan: 2,257 units
- 2035 housing growth target in 2021 Station District Subarea: 1,179 units
- Total 2035 subarea planned growth as of 2021: 3,436 units

However, both subarea plans were adopted prior to the 2021 requirements to plan for a specific number of housing units at various levels of affordability as well as the 2023 middle housing and ADU unit laws. As a result, in the 2024 Periodic Update, the subarea housing targets were analyzed and updated to reconcile them as much as possible with these recent state law changes.

## E.2.9 Barriers to Housing Development

When examining housing needs versus the ability for the city to provide the capacity to meet these needs, there are several barriers that currently exist to meeting long-term targets. Although there are many broader housing issues that impact not just Lakewood but communities across the Puget Sound Region and the country, there are three primary issues that will impact the city's ability to meet future needs for development:

- Limitations to the availability of developable land in the city.
- The presence of environmentally sensitive lands which may constrain future development and intensification of the city.

- Challenges associated with accommodating reductions in on-site parking requirements with available street parking options.

### Limited Buildable Land in Lakewood

As shown in the table in Exhibit E-30 and map in Exhibit E-31, only about 52% of Lakewood’s overall acreage is buildable for residential, commercial, industrial, or any other type of private use. 20% of the non-buildable area is in public institutional ownership; 27% consists of lakes and open space lands. The remaining 5% is located under the Joint Base Lewis McChord (JBLM) military flight paths and as a result has no or significantly limited land use types and development capacity allowed per FAA and DoD safety guidelines.

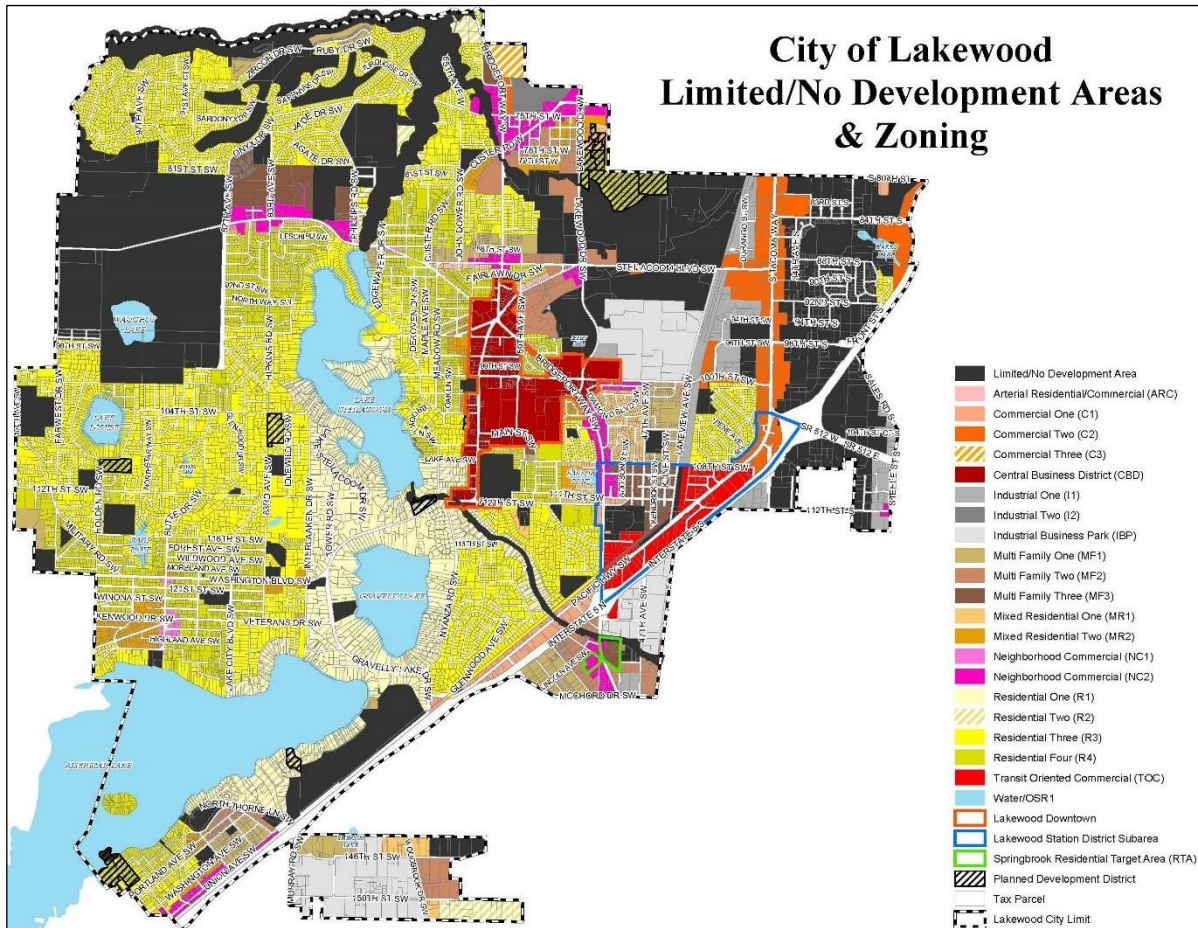
**Exhibit E-30. Total Area of Limited or No Development by Type.**

Use Types Limiting Capacity	Area (acres)	% of City Area
Public Institutional <sup>1</sup> *	2,442	20%
Lakes*	1,700	14%
Open Space Lands	1,520	13%
JBLM Air Corridor Zones and Clear Zone*	637	5%
Military Lands*	25	0.2%
<b>Total of Lakewood land acreage with no or limited availability for development</b>	<b>6,324</b>	<b>52%</b>

<sup>1</sup> This includes Western State Hospital; Pierce College; Clover Park Technical College; St. Clare Hospital; Clover Park School District properties; Sound Transit and Pierce Transit properties; and city-owned properties.  
 Source: City of Lakewood, 2024.

As Lakewood reviewed how to update its land use zones and regulations to accommodate more middle housing and ADU units during the 2024 Periodic Update, the results were influenced by the limited acreage available for development citywide.

Exhibit E-31. Map of Limited/No Development Areas.



Source: City of Lakewood, 2024.

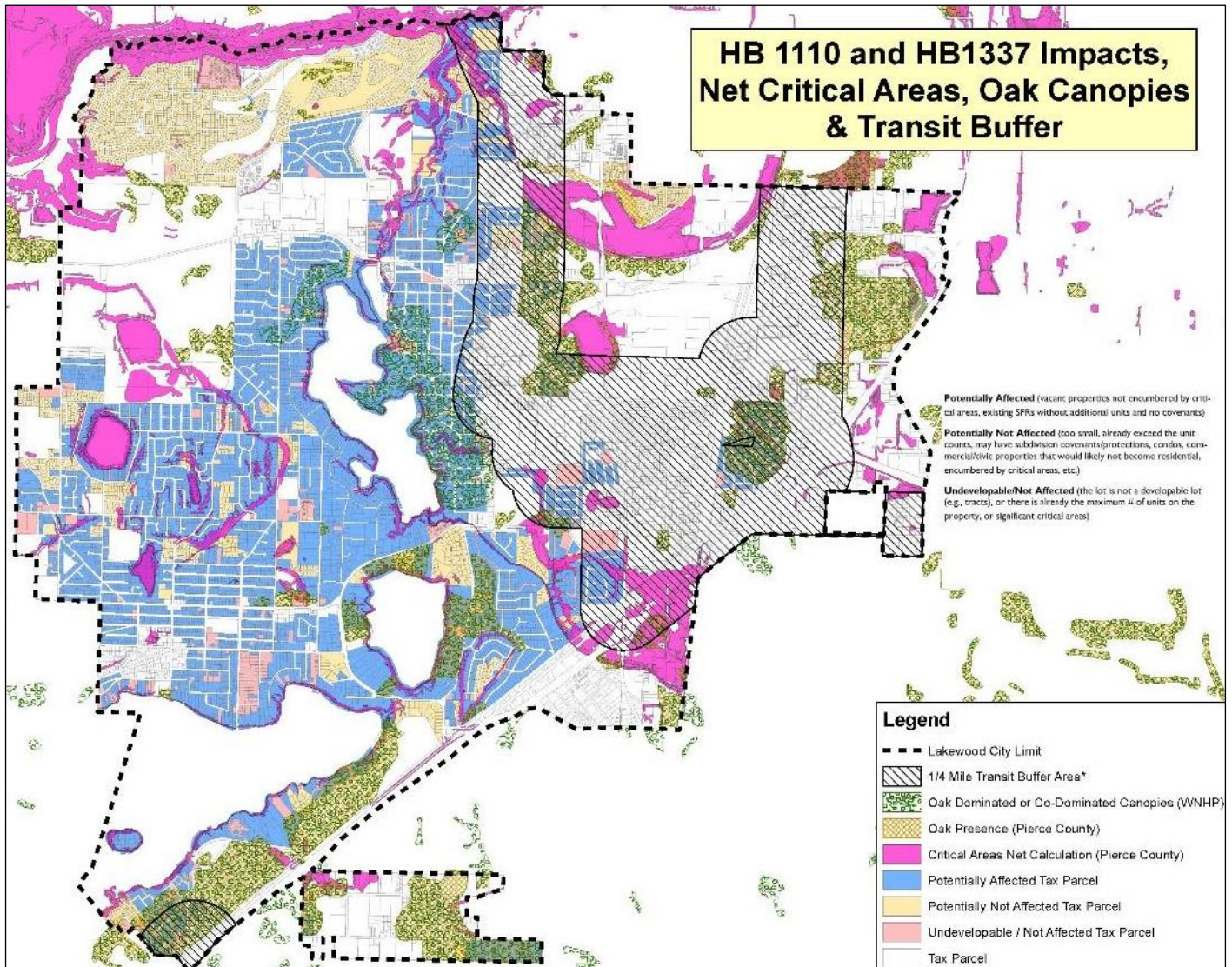
## Environmental Issues and Housing Densification

As part of the 2024 Periodic Update, Lakewood updated its Comprehensive Plan, land use zoning, and development regulations to reflect housing law changes adopted by the state legislature. However, planning for housing affordability and accessibility must be balanced with achieving the other GMA goals of equal weight under the law, including: protecting and enhancing the natural environment; protecting private property rights; encouraging economic development; retaining and enhancing open space and recreation areas; and planning for climate change and resiliency (see [RCW 36.70A.020](#).)

The map in Exhibit E-32 depicts the results of the city’s 2023 inventory of its critical areas, Oregon White (Garry) Oak canopies, and residential areas with preexisting development covenants and restrictions limiting the number of housing units per acre or per lot. The applicability of middle housing and ADU unit requirements in historically single family areas will be limited by these factors. Residential densification in certain areas of the city may also be limited by insufficient infrastructure (i.e., sewer, water, and/or road) capacity.



**Exhibit E-32. Environmentally Sensitive Areas and Housing Intensification.**



Source: City of Lakewood, 2024.

The hatch-marked area on the following map is where 4 middle housing units per lot must be allowed due to ¼ mile proximity to “major transit stops.”

Note: Lakewood’s identified “major transit stops” include the existing Sounder Station on Pacific Avenue, the planned Pierce Transit Bus Rapid Transit (BRT) in central Lakewood, and the new Sounder Station in Tillicum. As of late 2023, the BRT route has not yet been scheduled for construction and will required at least 7 years to complete once construction begins. As of late 2023, the Tillicum Sounder Stop is not scheduled for completion until 2045 – after the end of the 2044 planning horizon for the 2024 Comprehensive Plan Periodic Update. The completion of both of these transit projects is ultimately subject to economic trends, transit agency budgets, and ridership numbers, all of which are out of the city’s control.



## Parking Issues and Housing Densification

Due in part to pre-incorporation residential street designs and widths in its historically single family areas, through 2023, Lakewood did not allow on-street/off-site parking in residential areas; it only allowed off-street/on-site parking.

Under the 2023 state laws mandating multiple middle housing and ADU units per lot in historically single family areas, Lakewood is prohibited from:

- requiring more than 1 off-street/on-site parking space per unit for middle housing or ADUs on lots smaller than 6,000 sq. ft.;
- requiring more than 2 off-street/on-site parking spaces per unit for middle housing or ADUs on lots greater than 6,000 sq. ft.;
- requiring public street improvements as a permitting condition for ADUs in any of the historically single family areas of the city; and
- requiring off-street/on-site parking as a permitting condition for middle housing or ADUs ½ mile or less from a Major Transit Stop.

The following maps show:

- The 611 parcels in the R1 through R4 and the ARC zones smaller than 6,000 sq. ft. (Exhibit E-33)
- Parcels within ¼ mile from “major transit stops” as defined in HB 1110 and HB 1337 in 2023. (Exhibit E-34)
- Parcels within ½ mile from major transit stops. (Exhibit E-35)

The city’s research regarding effects of middle housing and ADU laws highlighted not only environmental impact concerns, but also potential safety concerns related to the impacts that parking needs from middle housing and ADU units in the R1-R4 zones will have in established neighborhoods as new units are occupied.

As of 2023, due in part to pre-incorporation residential street designs and widths in its historically single family areas, Lakewood did not allow on-street/off-site parking in residential areas; it only allowed off-street/on-site parking. Research revealed a number of existing public residential streets with ROW widths below 60 feet, meaning there was inadequate space to allow on-street parking under the city’s standard street designs. These streets are shown on the map in Exhibit E-36 in red, and most of them are located within the same parts of the city where middle housing units and ADUs must now be allowed per the GMA:

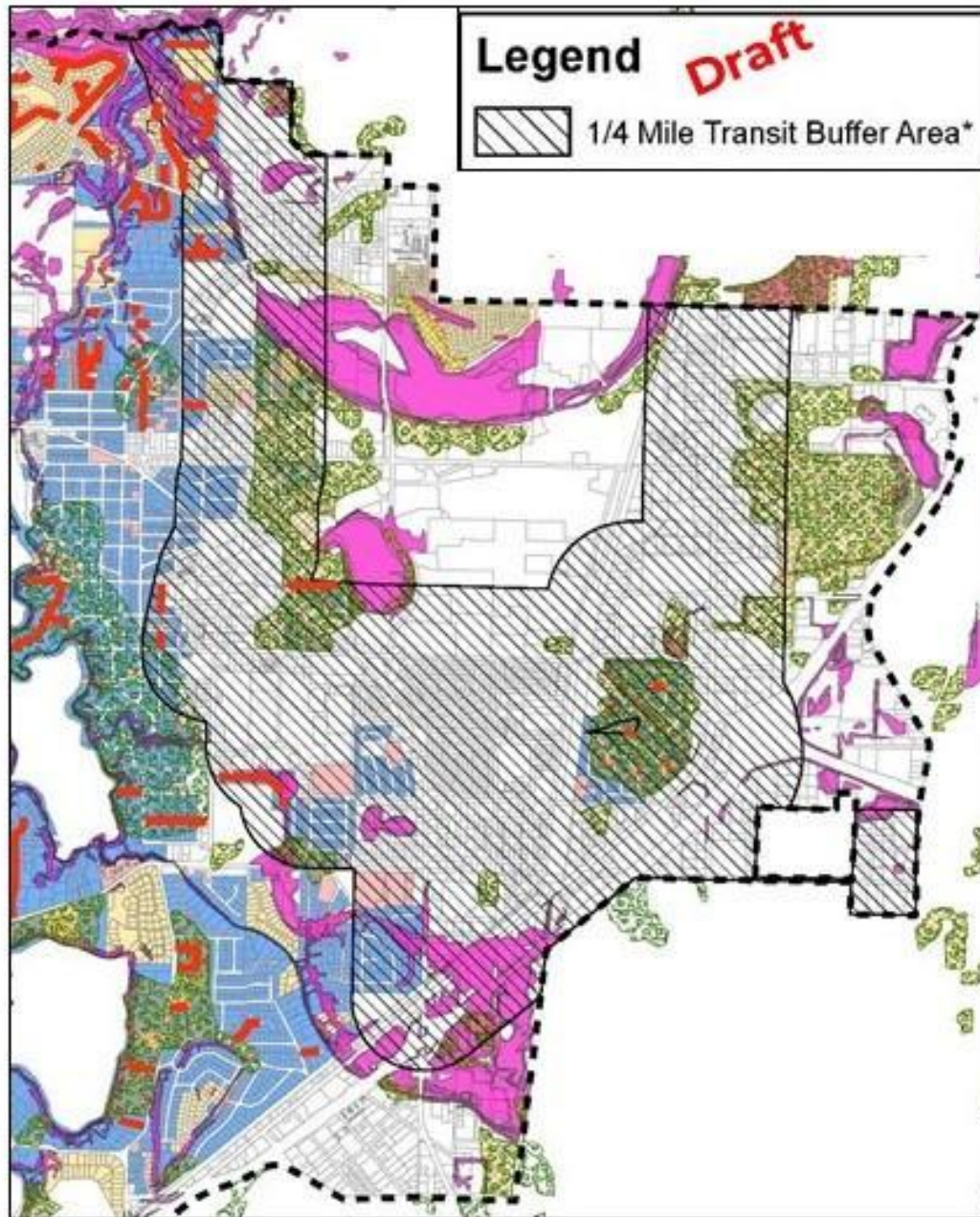
There are also a number of private residential streets with ROWs less than 60 feet in the historically single family areas of Lakewood, as shown in red on the map in Exhibit E-37.





Exhibit E-34. Quarter-Mile Buffer from Transit and Residential Properties.

**1/4 mile buffer = 4 units/lot middle housing.**

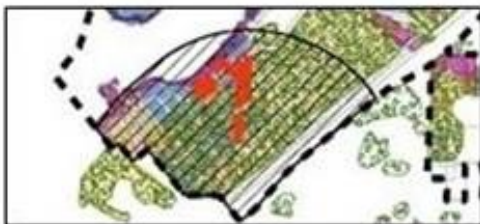
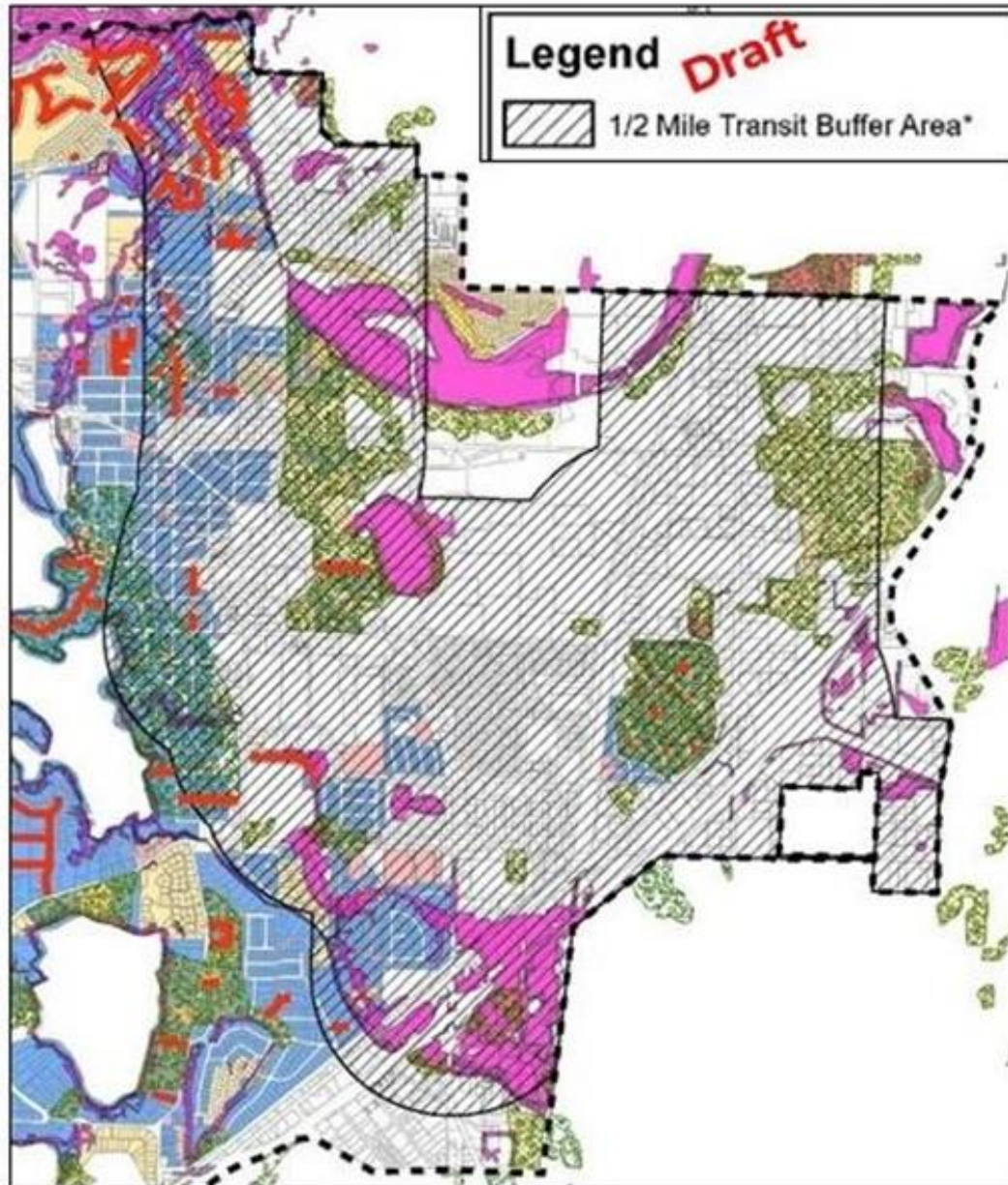


Source: City of Lakewood, 2024.



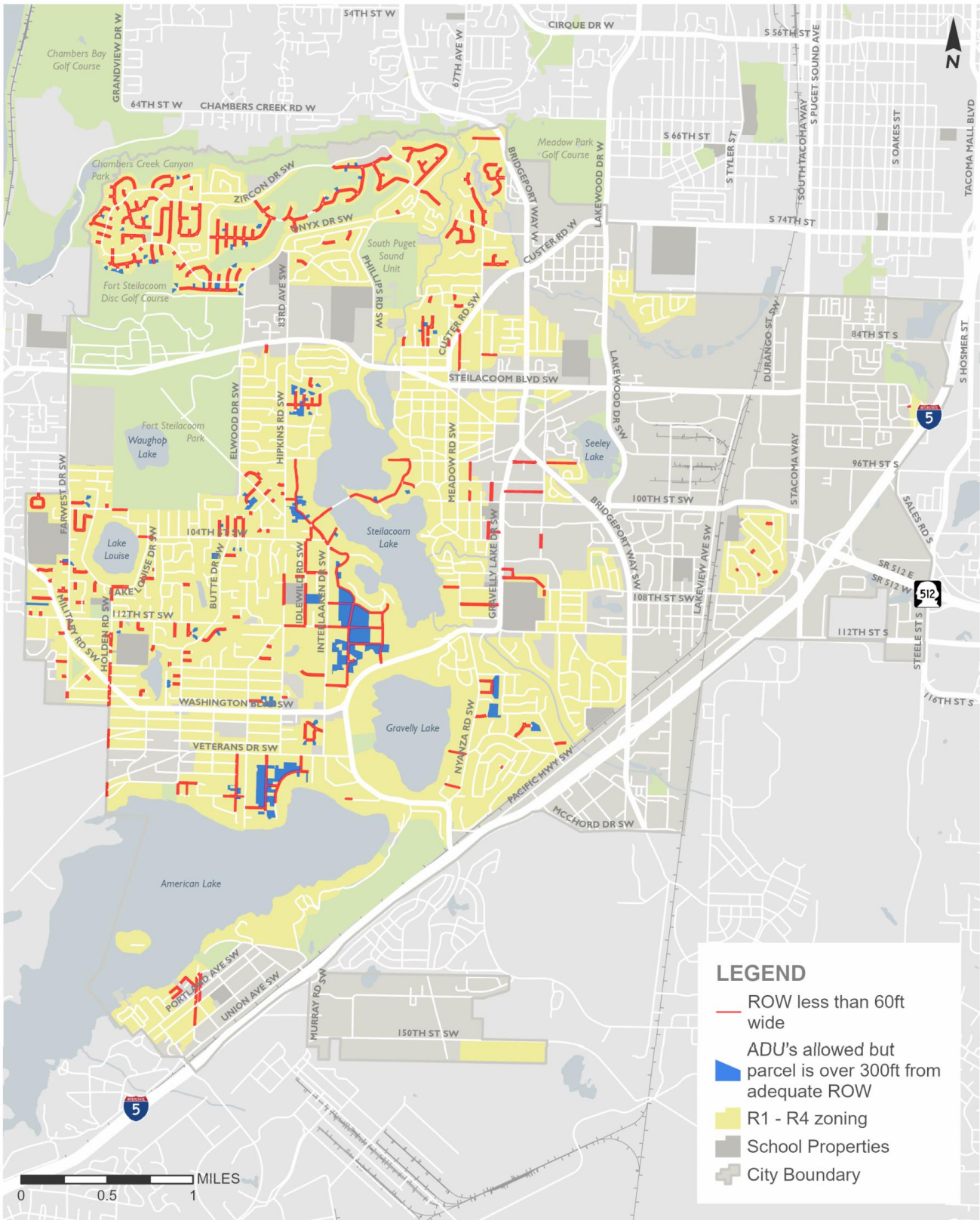
Exhibit E-35. Half-Mile Buffer from Transit and Residential Properties.

**1/2 mile buffer = no off-street/on-site parking as a permitting condition for middle housing or ADUs.**



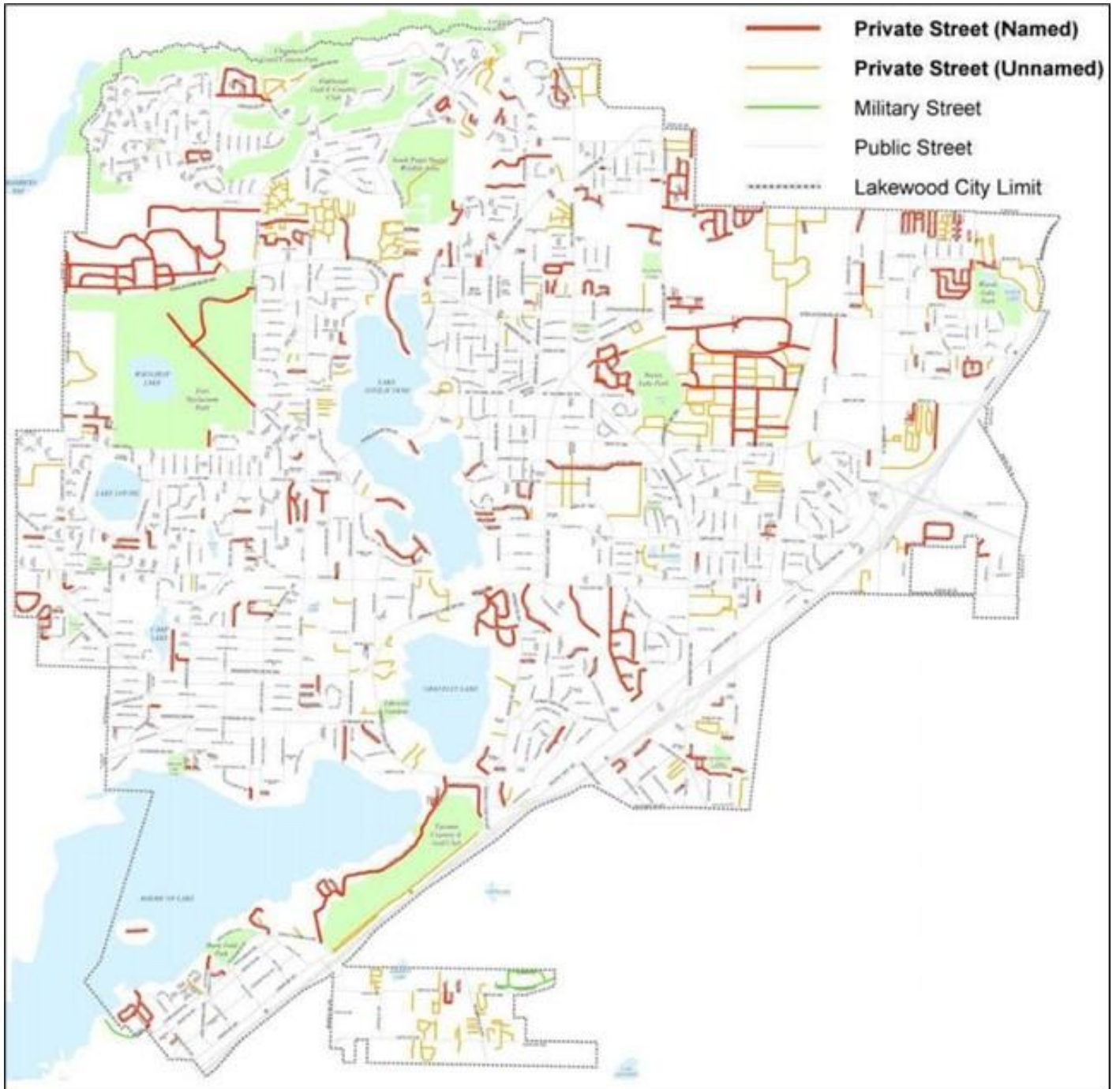
Source: City of Lakewood, 2024.

Exhibit E-36. Parcels of Concern for Significant On-Street Parking Safety Issues.





**Exhibit E-37. Existing Private Streets with Widths of Less than 60 Feet.**



Source: City of Lakewood, 2024.



The City of Lakewood's housing policies and development regulations are consistent with the GMA, VISION 2050, and Countywide Planning Policies. However, the city also recognizes and is concerned about the insufficient street grid within some of the single family areas preventing safe on-street parking. In order to protect the safety of those residents living on residential streets less than 60 feet wide, once the Department of Commerce develops the guidance to local government required by RCW 36.70A.636(7)(a), Lakewood will consider preparing an empirical study prepared by a credentialed transportation or land use planning expert that clearly demonstrates, and Commerce certifies, that parking limits for middle housing will be significantly less safe for vehicle drivers or passengers, pedestrians, or bicyclists than if the jurisdiction's parking requirements were applied to the same location for the same number of detached houses.

## E.2.10 Racial Equity and Displacement

The region is experiencing critical challenges with its housing supply not keeping pace with growth, resulting in significant impacts. These impacts are particularly felt by communities of color that do not have the resources available to respond to these trends. These communities often face higher costs, poorer housing quality, and reduced opportunities for homeownership due to longstanding discriminatory practices.

The 2024 updates to the Comprehensive Plan must address these disparities through various strategies, including identifying and amending policies that contribute to racial disparities and displacement, and implementing anti-displacement measures, particularly in areas prone to market-driven displacement.

Displacement in housing is increasingly problematic as rising costs and inadequate housing supply prevent many from securing suitable, affordable homes. Displacement types include:

- **Economic displacement**, when increases in rents and other costs result in people and businesses moving where these costs are lower;
- **Physical displacement**, when housing units and other buildings are demolished or renovated and no longer available; and
- **Cultural displacement**, when a local community changes due to economic and/or physical displacement, and other residents are driven away because of declining community cohesion and social bonds.

Displacement has broader implications for community dynamics and regional stability. It leads to longer commutes, fragmented community ties, and increased strain on social services, potentially escalating homelessness. Addressing these issues through local policies can help retain community integrity and support economic and social sustainability in the face of inevitable urban changes.

Comprehensive Plan updates for cities like Lakewood are encouraged to integrate racial equity in housing policies to mitigate displacement risks. These updates should include thorough assessments of existing housing policies that might perpetuate racial disparities and propose new strategies to prevent displacement. The focus will be on preserving community and cultural continuity while providing practical housing solutions to meet the diverse needs of the population.

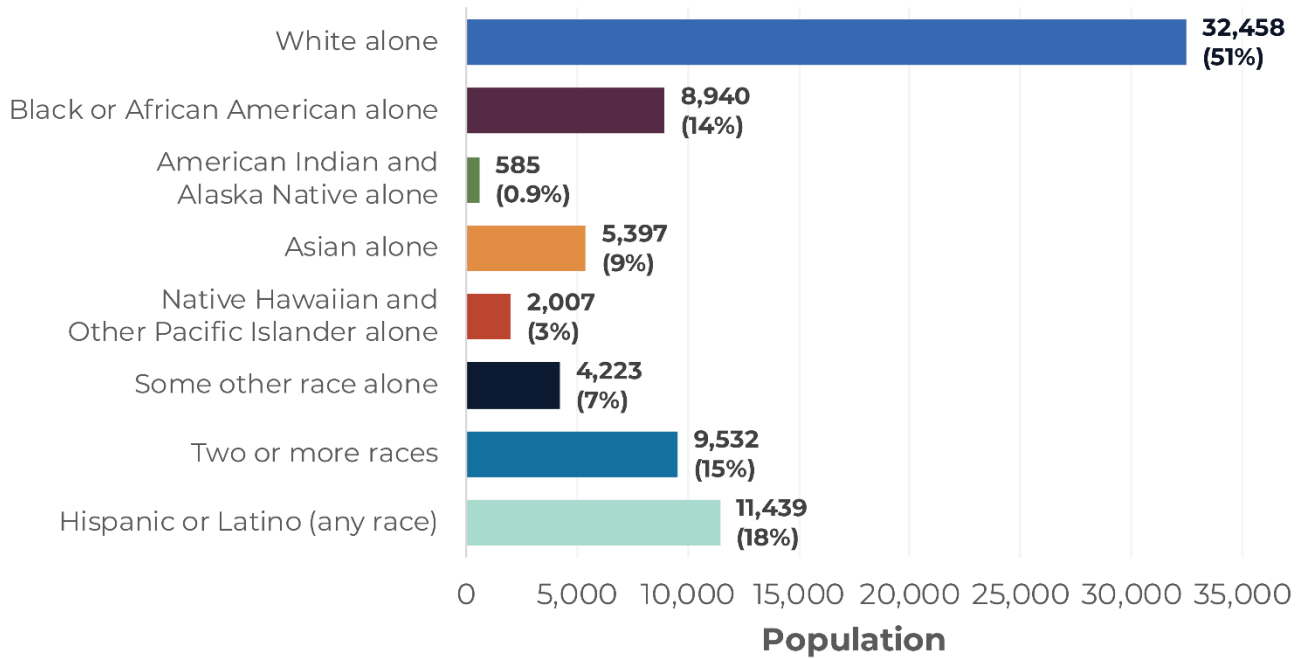
The following exhibits highlight relevant statistics for the city regarding racial equity in housing:

- Exhibit E-38 provides a breakdown of the Lakewood population by race and ethnicity, based on 5-year American Community Survey data from 2022. (Note that these statistics do not separate Hispanic/Latino residents by race.)
- Exhibit E-39 highlights the difference of tenure by race and ethnicity, indicating how many renters versus owners are found in each category.
- Exhibit E-40 breaks down proportions of households by income categories, determined by percent of area median income (AMI).
- Exhibit E-41 indicates housing cost burdens by race and ethnicity in Lakewood, highlighting cases where households are cost burdened (paying over 30% of their income on housing costs) or severely cost burdened (paying over half of their income on housing).
- Exhibit E-42 provides a displacement risk index provided by the PSRC by US Census Bureau census tract. This is divided based on the regional distribution and indicates where the risks of displacement may be “higher”, “moderate”, or “lower” in the regional distribution.
- Exhibit E-43 provides a distribution of residents by race at the Census block level, based on information from the 2020 US Decennial Census.

There are several high-level conclusions that can be reached from this information:

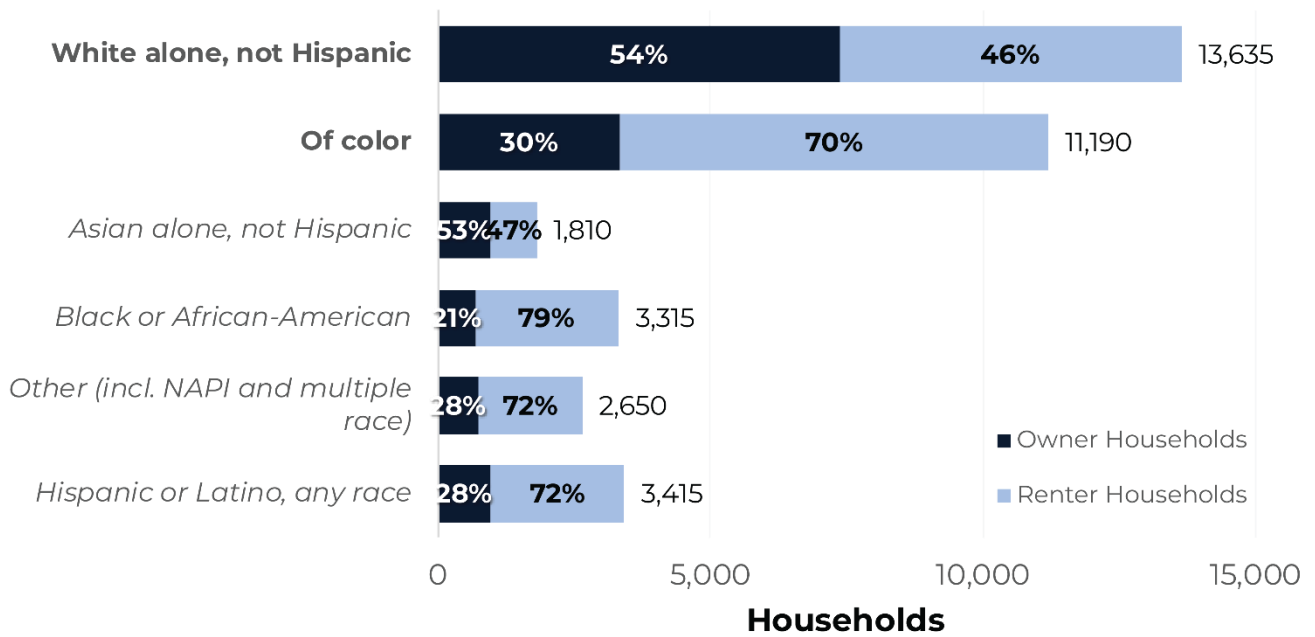
- **There are some income disparities by race/ethnicity in Lakewood that could lead to housing challenges.** The distribution of white households in the city includes greater representation at higher income levels, with only 16% households at extremely low-income and 38% above median income. In contrast, about 21% of households of color are extremely low-income, and only 24% surpass the median income threshold.
- **The distribution of households between renters and owners by race suggests some vulnerabilities to housing stability by race/ethnicity.** Households of color face significant challenges in homeownership and housing stability: about 54% of White households own homes compared to only 30% of BIPOC households. Particularly, about 79% of Black or African American and 72% of Hispanic/Latino households are renters, which indicates vulnerabilities to local rent increases.
- **On average, higher housing cost burdens are more common for Black households.** A substantial number of Black or African American households in Lakewood (58%) experience some type of housing cost burden, with 34% facing severe difficulties. These economic pressures suggest a critical need for targeted housing policies and community support.
- **There is a risk of displacement in key areas of the city.** The Lakewood Station District and the Lakeview/Kendrick area are identified as high-risk zones for displacement, especially among communities of color. These neighborhoods, along with the International District, face challenges that may also extend to local businesses, potentially necessitating protective measures and anti-displacement strategies.

**Exhibit E-38. Lakewood Population by Race and Ethnicity, 2022.**



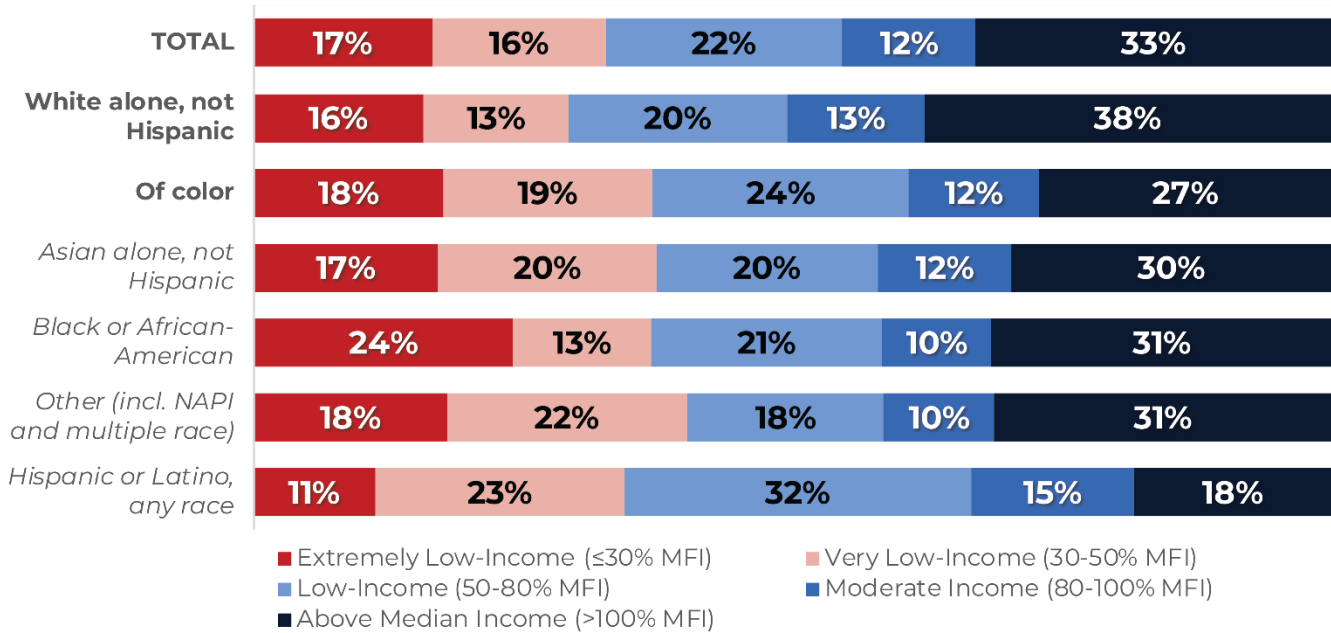
Source: US Census Bureau, 2018-2022 American Community Survey 5-Year Estimates, 2023.

**Exhibit E-39. Lakewood Households by Race/Ethnicity and Tenure, 2020.**



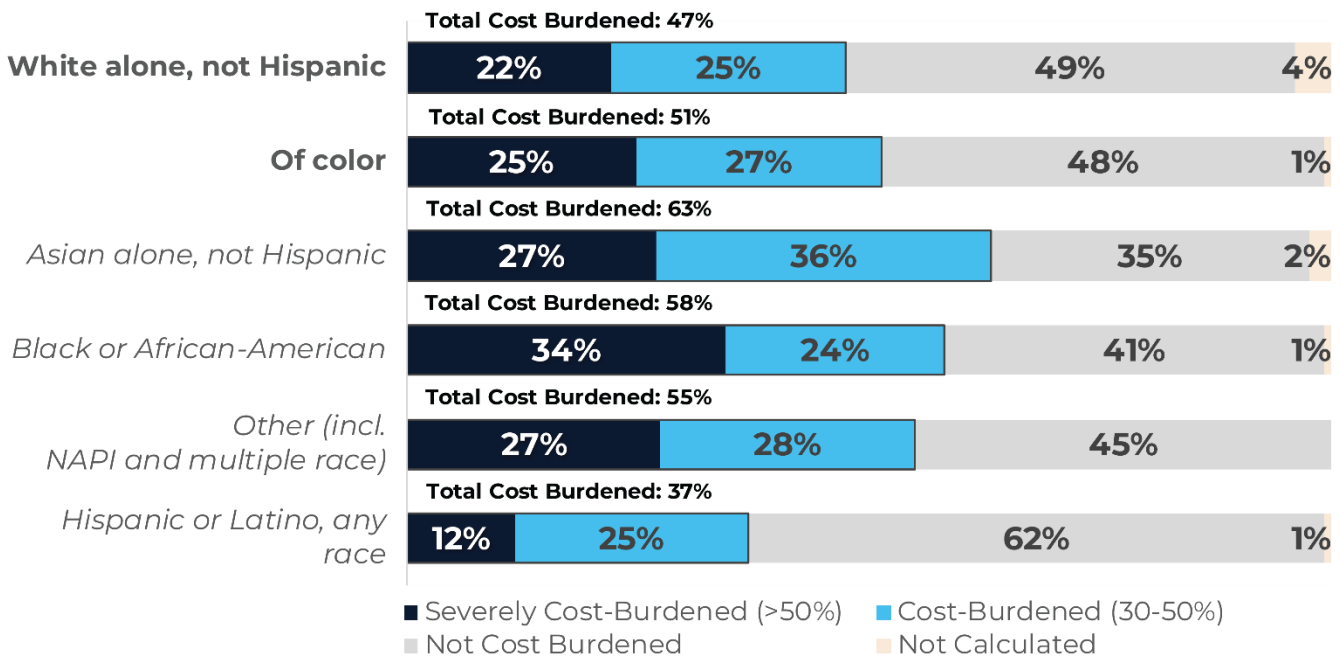
Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020.

**Exhibit E-40. Lakewood Households by Race/Ethnicity and Income Category, 2022.**



Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020.

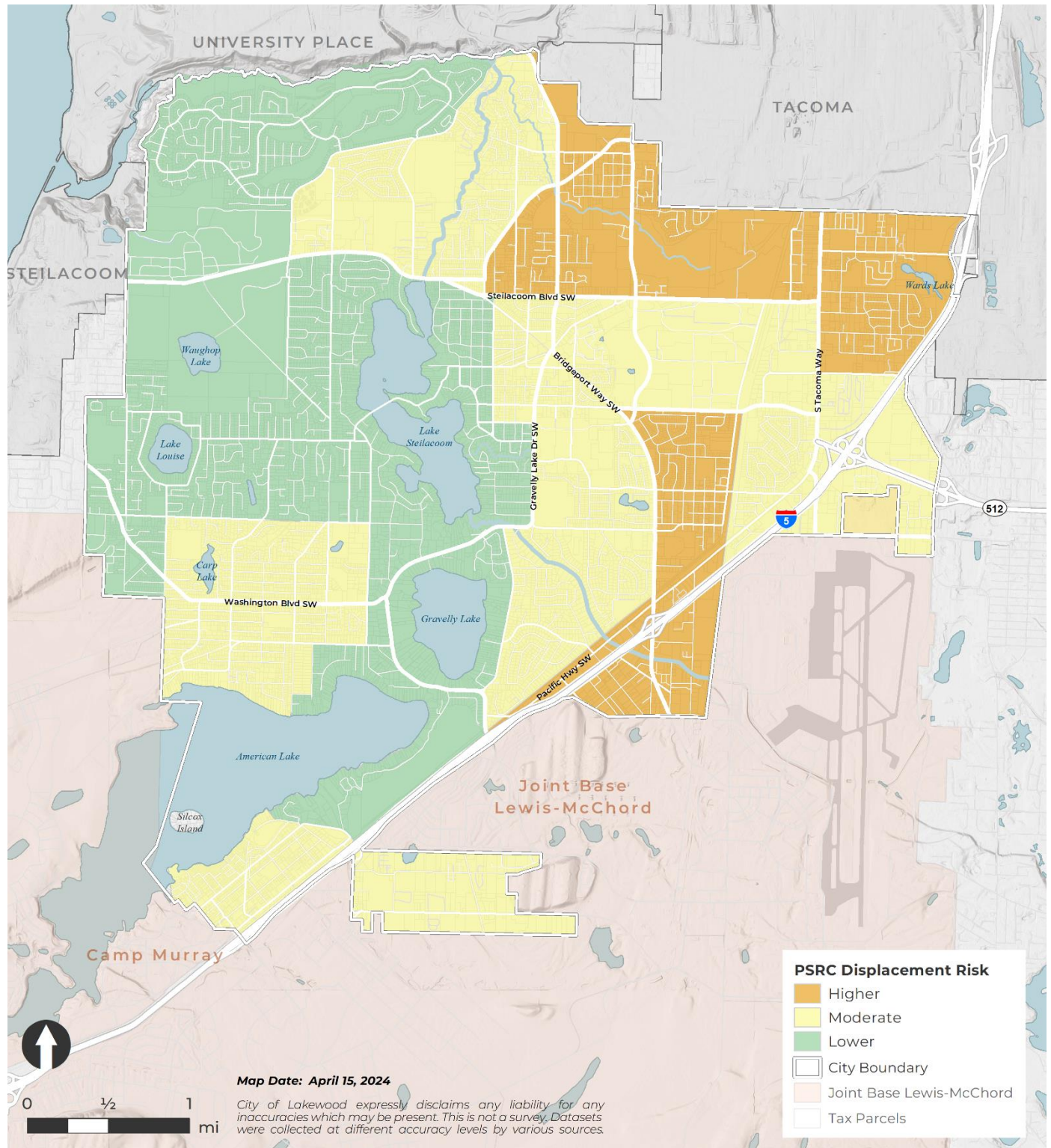
**Exhibit E-41. Lakewood Households by Race/Ethnicity and Cost Burden, 2020.**



Source: US HUD Comprehensive Housing Affordability Strategy (CHAS) data, 2016–2020.



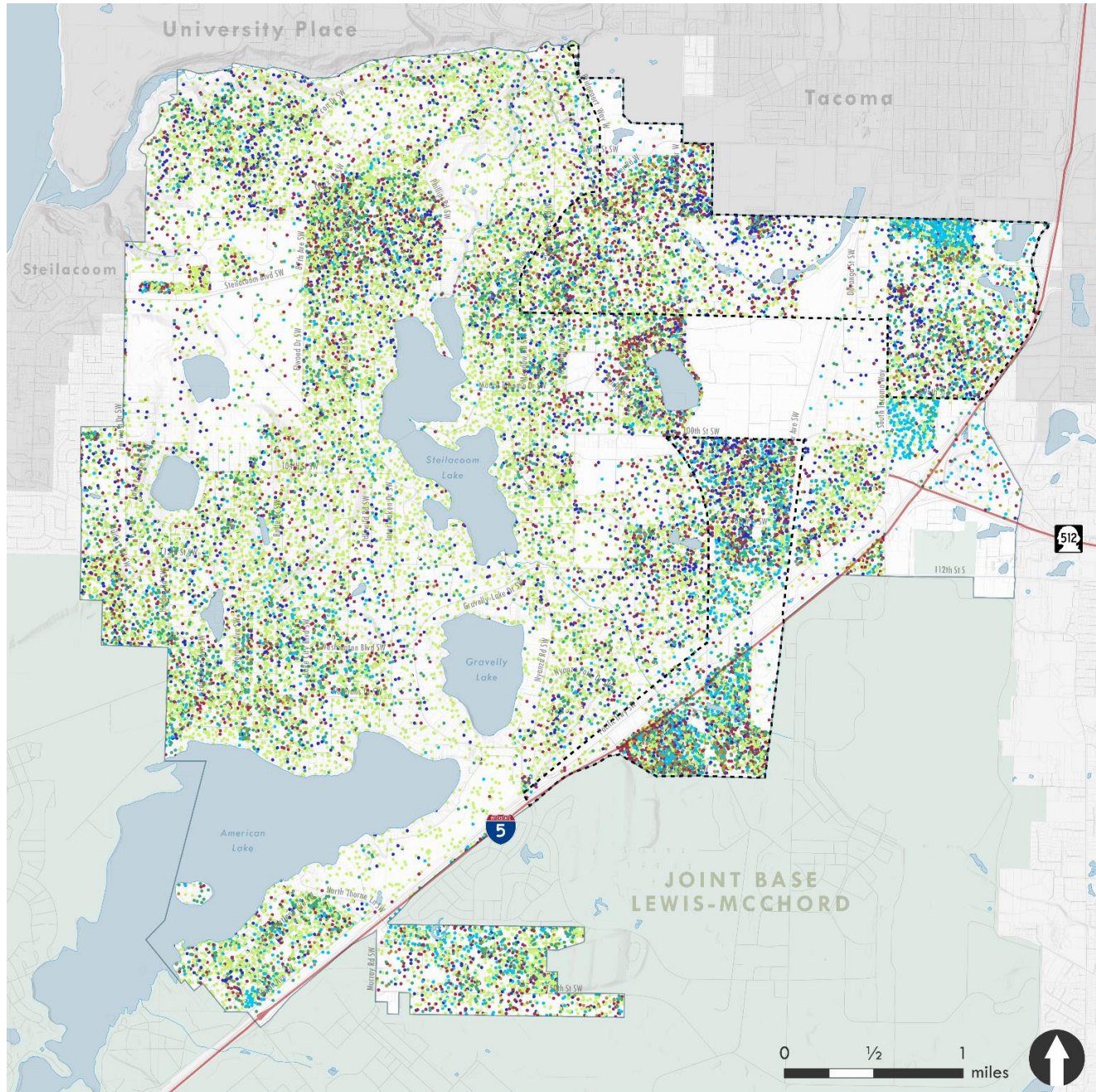
Exhibit E-42. PSRC Displacement Risk Index for Lakewood.



Source: PSRC, 2024; City of Lakewood, 2024; Pierce County GIS, 2024.



Exhibit E-43. Distribution of Population by Race in Lakewood, 2020.



**Legend**

- City of Lakewood
- Other cities
- Joint Base Lewis-McChord
- Water

- Highways
- Arterials
- Roads

**Distribution of Population by Race**

- White alone
- Black or African American alone
- American Indian and Alaska Native alone
- Asian alone
- Native Hawaiian and Other Pacific Islander alone
- Some Other Race alone
- Two or more races
- PSRC Displacement Index: Higher Risk



Map Date: January 2023

Sources: Pierce County GIS, 2022; ESRI, 2022; City of Lakewood, 2022; BERK, 2022.



## E.3 Affordable Housing and Housing Preservation Programs

Lakewood elected and staff representatives actively participate, and serve in leadership positions, on countywide and regional work groups, advisory boards, etc. that address the need for emergency, transitional, permanent supportive, and subsidized and market rate affordable housing, such as the:

- Tacoma-Lakewood-Pierce County Continuum of Care;
- Comprehensive Plan to End Homelessness (CPEH) Implementation Advisory Board;
- Pierce County Behavioral Health Advisory Board;
- South Sound Affordability Partners (SSHA3P); and
- South Sound Military & Communities Partnership (SSMCP.)

Given the importance of housing, the city has invested a significant portion of its federal block grant monies it receives from the U.S. Department of Housing and Urban Development, specifically Community Development Block Grant (CDBG) and Home Investment Partnership Program (HOME) funds, to:

- support Habitat for Humanity to construct about 50 new low-income housing units in the Tillicum neighborhood,
- fund needed remodels of older homes citywide,
- assist with down payment assistance for first-time homeowners, and to
- provide low-interest sewer loans so property owners can connect to the sewer system.

The city also funds and supports a number of municipal programs addressing homelessness and mental health. For instance, the 2023-2024 Biennial Budget set aside \$2.44 million in support of a number of housing and homeless prevention programs.

### E.3.1 CDBG & HOME Programs

The City of Lakewood has been a federal entitlement city under the Community Development Block Grant (CDBG) program since 2000 and receives an annual allocation directly from the federal government. Additionally, through the city's consortium with the City of Tacoma, the city qualifies to receive additional funding through the HOME Investment Partnerships Program (HOME) program. HOME provides funds in support of affordable housing, particularly housing for low- and very low-income individuals. HOME funds have been used for Habitat for Humanity to construct roughly 50 low-income housing units in the Tillicum neighborhood.

Between 2000 and 2021, the city invested \$4.6 million in CDBG investments to construct road safety improvements such as adding sidewalks and installing street lights in a large number of low-income neighborhoods. The city also invested almost \$6.6 million to support existing affordable and low-income housing such as home repair loans and grants, emergency assistance to help displaced individuals find housing, down payment assistance, and repair to affordable housing units owned and operated by the Pierce County Housing Authority.

### E.3.2 Affordable Housing Sales Tax Credit Program

In March 2020, the Lakewood City Council adopted an ordinance authorizing a sales and use tax credit for affordable and supportive housing in accordance with SHB 1406 (codified as RCW 82.14.540) that was approved by the State Legislature in 2019. The city receives an estimated \$98,000 per year for twenty years totaling an estimated \$1,960,000. The funds have been used to bolster the city's CDBG Major Home Repair Program, CDBG Major Home Repair and Sewer Loan Program, and HOME Housing Rehabilitation Loan Program. In 2024 and beyond, these funds may also be used for emergency rental assistance and eviction prevention.

### E.3.3 Rental Housing Safety Program (RHSP)

Out of the 26,999 total housing units within the city, Lakewood has approximately 15,335 rental properties. In addition, much of the rental housing stock is at an age that requires life cycle investments. Lakewood's Rental Housing Safety Program (RHSP) has identified many rental units in need of maintenance, and aims to reduce, and eventually eliminate, all substandard rental housing in Lakewood.

Lakewood implemented the RHSP in late 2017. By addressing housing conditions proactively through the mandatory periodic life/safety/habitability property inspections and quickly identifying and addressing substandard conditions and code violations, this program is preserving Lakewood's existing affordable housing stock.

The results show that the quality of the rental housing stock in Lakewood is quickly improving and the city is beginning to see a substantial decline in inspection-failed properties and rental units. The percentage of failed properties in 2017/18 was 20%; in 2022, it had dropped to 3%.

### E.3.4 2021 American Rescue Plan Act Investments in Housing

Lakewood was allocated \$13.76 million in ARPA funds in 2021. The City Council allocated over \$4M to the following affordable and emergency housing programs:

- \$1M to partner with Tacoma and Pierce County in purchase of a hotel to be run as an emergency shelter by LIHI from 2022-2023;
- \$1M to help fund 25 affordable housing units in LASA's Gravelly Lake Commons Affordable Housing Phase 3;
- \$1M to help fund Community First Village, a project to house Pierce County chronically homeless, including veterans.
- \$254,100 to fund sewer extension to 12 new affordable housing units built by Habitat for Humanity in Tillicum;
- \$341,250 to fund Rebuilding Together South Sound (RTSS) outreach in underserved communities to connect people with essential services like food banks and home repairs. RTSS repaired homes in Woodbrook, Springbrook, and Monte Vista through this program;
- \$472,500 to fund the Tacomaprobono's Lakewood Housing Justice Project to provide free legal aid and direct representation, including to prevent eviction, of hundreds of low-income tenants disproportionately impacted by COVID-19.

### E.3.5 Multifamily Housing Tax Exemption (MFTE)

The Multifamily Property Tax Exemption (MFTE) program enables cities and counties to promote multifamily housing development in specific areas. Initially aimed at spurring economic growth and new multifamily constructions, the MFTE program has evolved to be a crucial mechanism for fostering affordable housing and advancing the objectives of the Growth Management Act.

Lakewood has implemented an MFTE program through [Chapter 3.64 LMC](#). This program includes the ability to exempt the residential improvement value of new projects and rehabilitated housing that provides 15 or more new housing units. This exemption is provided for eight years but can be extended to 12 years in exchange for the housing being restricted to low- and moderate-income households of up to 115% AMI. This exemption can cover both rental and owner-occupied housing.

This exemption is applicable in three specific targeted areas located in:

- Downtown (CBD)
- Lakewood Station District
- Springbrook

# F Military Compatibility

## F.1 Background

### F.1.1 Introduction

RCW 36.70A.530(3) requires that local governments adopt comprehensive plans and development regulations that should not allow development in the vicinity of a military installation that is incompatible with the installation's ability to carry out its mission requirements.

VISION 2050 includes the following multicounty planning policies (MPPs):

- Consult with military installations in regional and local planning, recognizing the mutual benefits and potential for impacts between growth occurring within and outside installation boundaries, (MPP-RC-6);
- Recognize the beneficial impacts of military installations as well as the land use, housing, and transportation challenges for adjacent and nearby communities (MPP-RC-7);
- Protect military lands from encroachment by incompatible uses and development on adjacent land (MPP-DP-49); and
- Foster a positive business climate by encouraging regionwide and statewide collaboration among business, government, utilities, education, labor, military, workforce development, and other nonprofit organizations (MPP-Ec-2);

VISION 2050 also includes a transportation project selection action item that allows for the inclusion and funding of transportation projects, identified in a completed local or regional transportation study, which relate to and potentially benefit access to military installations and surrounding jurisdictions.

The Lakewood Urban Growth Area (UGA) currently includes Camp Murray, which is part of the Washington Military Department, and the urban areas of Joint Base Lewis McChord (JBLM.)

### F.1.2 Camp Murray

Camp Murray is owned by Washington State. There are no residential uses located onsite. Developed areas encompass about 52% of the installation. The built environment provides statewide wheeled vehicle support, storage buildings, administrative offices, classrooms, a heliport, and a drill field. There are 88 buildings on Camp Murray, about a third of which are over 50 years old. Water and sewer facilities are provided by JBLM.

The Washington State Emergency Operations Center is located on Camp Murray, which aids local emergency responders in coordinating search and rescue operations, wildfire mobilization, environmental responses, and other emergencies. Recreational amenities include a physical training

course, campground, and a boat launch. The remaining portions of the installation consist of undeveloped forest, wetlands, shoreline, and riparian areas.

In 2012, following the WA Military Department's approving a Camp Murray master plan including a proposal to relocate its main gate from Union Avenue SW to Portland Avenue SW, Lakewood examined whether to pursue annexing Camp Murray into the city.

The annexation of Camp Murray proved to be infeasible given its unique nature. State enabling legislation would be required to annex it. However, the city and WSA Military Department agree that Camp Murray should remain in the city's UGA due to their shared interests. The primary ingress/egress into Camp Murray is through Lakewood, and road improvements have been made in Lakewood to improve access into Camp Murray. Both the city and Camp Murray are located on the shores of American Lake. A boat launch and an enclosed boat storage facility housing fire district and police boats straddle current boundaries.

In 2023, Lakewood committed to providing \$100,000 in American Rescue Plan Act (ARPA) funds to partner with Camp Murray in drafting a master plan for improvements of the American Lake boat launch that would allow public access to the facility.

### **F.1.3 Joint Base Lewis McChord (JBLM)**

JBLM was formally established in 2010, combining Fort Lewis and McChord Air Force Base into a single administrative unit. JBLM is home to the U.S. Army I Corps and 7th Infantry Division, the U.S. Air Force 62nd and (Total Force Partner) 446th Airlift Wings, Madigan Army Medical Center, 1st Special Forces Group, U.S. Navy and U.S. Marine Corps elements, and other commands and tenant organizations.

There are two airfields on the installation: McChord Field, which is home to both active duty and Air Force Reserve C-17A airlift wings; and Gray Army Airfield (GAAF), which supports mainly helicopter operations. JBLM has a rail loading complex that connects to the Burlington Northern-Santa Fe (BNSF) line. The training lands on JBLM include 115 live-fire training ranges. Convoys to Yakima Training Center (YTC) use I-5 to State Route (SR 18) to I-90 to I-82. The ports of Olympia, Tacoma, and Seattle provide deep water seaport capabilities.

JBLM is a power projection platform with many strategic advantages, including: its location on the Pacific Rim; its hosting of the I Corps; its historical Asia/Pacific focus; its deep-water port access, global airlift capabilities; and its extensive training ranges.

JBLM is also a major economic engine in Lakewood, Pierce County, the South Sound, and in Washington State. In 2018, JBLM provided direct employment for 52,000 active duty and civilian South Sound citizens, as well as engendering demand for local services through its tens of thousands of personnel. As of 2021, there were approximately 54,355 active-duty service members, civilians, and contractors supporting JBLM. JBLM forecasts its military personnel and civilian population to increase by 2,537 persons by 2026.

"Economic impact multipliers" are a mechanism to summarize the importance of different areas of activity within an economy. The employment multiplier represents the change in the number of additional jobs gained or lost from an initial change in employment on JBLM. JBLM enjoys a multiplier of

1.42, meaning that for every 100 soldiers stationed at JBLM, an additional 42 jobs in the local economy are generated.

Aside from quantifiable economic impacts, military-related activity provides numerous benefits to the local, regional, and state economies, including: generating employment opportunities for a wide range of individuals and skilled workers such as retiring military personnel; creating supplementary markets for firms, whose principal focus is not defense; offering relative insulation from the volatility of market demand; and spurring technological innovation.

JBLM's cantonment area (installation areas designated for existing and proposed urban-scale development) is located within Lakewood's UGA and is shown in Figures \_\_\_\_ and \_\_\_\_\_. The cantonment area includes residential, commercial, industrial, and military related uses. Over the past 15-20 years, JBLM has experienced significant development activity; that activity has been entirely confined to the cantonment area to both maximize and preserve JBLM's existing military training areas and to preserve wildlife habitat.

JBLM has approximately 23 million square feet of facilities. There are about 5,000 family housing units on JBLM with additional units planned per DoD 2020 and 2023 housing accessibility studies. JBLM provides its own water and sewer utilities. The installation maintains 11,779 permanent party barracks/dorm spaces; 2,488 of those spaces have been constructed since 2010. JBLM has recently constructed 408 Wounded Warriors barracks units. Many of the new barracks units are replacing spaces in 1950's gang latrine barracks and will not add to the overall barracks inventory.

Six elementary schools are located on base. There is an existing prison and two airfields. JBLM maintains 278 miles of streets, a 3.3-million-gallon water treatment plant, and a 4-million-gallon wastewater treatment facility. The Madigan Army Medical Center is a part of JBLM. It is located on 120 acres and is the second largest treatment facility in the US Army.

JBLM has created its own master plan with design principles to preserve rangeland and airfield space, construct mixed-use buildings, create car parks, and establish a Town Square.

### F.1.4 JBLM Joint Land Use Studies

Land use compatibility challenges can occur when military operations produce impacts, such as noise that affects surrounding communities, or when civilian growth and development interfere with the ability to conduct military operations safely and effectively. A military installation "joint land use study" (JLUS) is a collaborative, four-part military-civilian planning process that starts with identifying current study area conditions and issues; identifying both current and foreseeable compatibility challenges based on land use, growth, and development trends; and identifying both civilian and military interests and mission needs.

In 1992, a JLUS was completed for Fort Lewis and McChord Air Force Base. It resulted in several successful implementation actions, including both Pierce County and eventually the City of Lakewood addressing JBLM-related land use impacts within their comprehensive plans and development regulations, particularly regarding land uses in the North McChord Field Clear Zone (CZ) and Accident



Potential Zones (APZs.) Funding was identified the US Air Force and Pierce County to start acquiring private property within the NCZ mitigate and eliminate the presence of incompatible land uses over time.

A new JLUS was completed in 2015 for JBLM. The 2015 JLUS was a collaborative process among federal and state governmental representatives; regional, and local governments and agencies within two miles of the JBLM boundary within Pierce and Thurston Counties; tribes; the public; JBLM; and Camp Murray. The study area encompassed those communities.

The 2015 JBLM JLUS consists of three documents: an Existing Conditions Report; a Compatibility Report, which identifies points of conflict or encroachment; and an Implementation Plan that lists strategies to solve current conflicts and to avoid future ones. Lakewood and other jurisdictions are implementing recommendations from the 2015 JLUS over time.

## **F.2 JBLM Growth Coordination Plans**

The 2010 and 2022 Joint Base Lewis-McChord (JBLM) Growth Coordination Plans (GCPs) are the product of partnerships formed to prepare for growth and change in the South Puget Sound region associated with JBLM. The GCP study boundaries encompassed areas in Pierce and Thurston Counties.

Representatives from JBLM, Washington State, and community leaders from Pierce and Thurston counties, Lakewood, Tacoma, DuPont, Steilacoom, Lacey, Yelm, Roy, area School Districts, health and social service agencies, and non-profit service providers in Pierce and Thurston counties participated in the development of the Plan.

The intent of the 2010 GCP was to assist the communities in planning and preparing effectively to maintain and enhance the quality of life of the region as the installation grew in response to then-recent Base Realignment and Closure (BRAC), Army Modular Force, and other Department of Defense initiatives.

The 2010 GCP was drafted to:

- Convey more information to regional service providers about JBLM population and employment they can use to better support military families in the region;
- Provide JBLM and community providers with recommendations for leveraging the economic opportunities of base expansion and for providing adequate off-base support services; and
- Provide public agencies with a consolidated document that provides supporting data for the opportunities and needs identified that can support future grant applications and inform decision-makers of the urgency for implementation and benefits to both JBLM and the larger region.

The 2010 GCP also recommended establishing a new JBLM regional partnership. In response, in 2011, the South Sound Military & Communities Partnership (SSMCP) was created to provide a framework for collaboration between local governments, military installations, state agencies, and federal agencies to better coordinate efforts in areas such as: military relations; transportation and land use planning; environmental protection; emergency preparedness; grant applications; health care; population forecasting; workforce development; education; housing; and economic development. The City of

Lakewood has been a key leader in the SSMCP since its inception, serves as SSMCP's fiscal agent, and hosts SSMCP's staff at Lakewood City Hall.

The 2022 Growth Coordination Plan (22GCP) built on and updated the 2010 GCP, reflecting changes in the region since 2010, including the 2010 creation of Joint Base Lewis-McChord and the 2011 formation of the South Sound Military & Communities Partnership (SSMCP.)

The 22GCP assessed the continued relevance of the strategies and priorities described in the 2010 GCP and, based on the assessment, modified SSMCP Work Plan priorities.

Eleven core resource areas were identified and discussed:

- Economics
- Transportation
- Land Use
- Housing
- Education and Child Care
- Social Services
- Health Care
- Public Utilities and Infrastructure
- Public Safety
- Quality of Life
- Climate Change

While the 22GCP efforts began by examining issues focused on the 11 core resource areas listed above, the greatest identified needs aligned with the pressing needs for the region.

The 22GCP included a ten-year work plan to drive SSMCP's efforts through 2032. It also recommended a 2023-2024 Work Plan that included the highest priority and the short-term implementation strategies:

- Support development of and access to on- and off-base housing;
- Advocate for occupational licensure portability;
- Pursue funding for I-5 corridor improvements;
- Measure and communicate the economic benefits of JBLM to the region;
- Support improvements to family and childcare provider communications and connections;
- Support behavioral health care initiatives that expand services;
- Implement land use compatibility in policies and at the North Clear Zone;
- Evaluate and update working group work plans;
- Support regional initiatives to address military family food insecurity; and
- Support DoD efforts to address climate change and mitigate impacts to mission readiness.

## F.3 Clear Zones and Accident Potential Zones

A “Clear Zone” (CZ) is a federally designated, 3,000-by-3,000-foot safety area adjacent to the end of a runway. This area has the highest statistical possibility of aircraft accidents. Any existing or future development in the CZ is of concern as it often results in flight obstructions such as trees, physical structures, smoke, and glare, and challenges the military’s ability to safely carry out missions.

USAF analysis indicates that 28% of all air accidents occur within CZs, and Federal Aviation Administration (FAA) and Department of Defense (DoD) guidelines call for CZs to be undeveloped and free of people and flight obstructions to protect the public’s safety and the military’s ability to carry out its missions. Any use other than airfield infrastructure (e.g., approach lighting) is incompatible in the CZ, and development should be prohibited in this zone.

Accident Potential Zones (APZs) vary in size from the CZ: the APZ I is 3,000 feet wide by 5,000 feet long; APZ II is 3,000 feet wide by 7,000 feet long. APZ I and II areas have proportionately lower accident potential than the CZ, but the potential is still high enough that most types of development in these zone are discouraged, including residential uses.

The Clear Zone located at the North McChord Field runway is located partly within JBLM’s boundaries and partly within the City of Lakewood. Many privately held buildings and businesses in Lakewood’s CZ area are incompatible with runway operations and pose public and flight safety risks per FAA and DoD guidance. At the same time, existing businesses operating in the North Clear Zone are an important part of the local, regional, and State economy. One of the highest priority recommendations that came out of 2015 JLUS was to develop solutions for the North Clear Zone based on Air Force Instruction 32-7063:

*The potential for accidents is so high [in the Clear Zone] that the land use restrictions necessary to ensure compatibility would prohibit reasonable economic use of the land. Therefore, it is DOD and USAF policy to own the land within the Clear Zone, or control the land through restrictive use easements. (Air Force Instruction 32-7063, 18 DEC 2015)*

The SSMCP and partners from Washington State, Pierce County, City of Lakewood, JBLM and the Department of Defense have since completed work on the North Clear Zone Action and Implementation Plan (NCZAIP). The NCZAIP set forth a four-phased strategy consisting of six actions and corresponding implementation steps to be carried out over the next 10-20 years to accomplish project objectives, while balancing benefits and costs among stakeholders.

The NCZAIP Project Objectives include the following:

- Ensure public and air safety;
- Bring use of the North Clear Zone into Federal Aviation Administration and Department of Defense regulatory compliance;
- Preserve JBLM “Mission Assurance”;
- Implement the 2015 JBLM Joint Land Use Study; and
- Maintain full airfield operational capacity and capability.

In April 2017, the City of Lakewood adopted Resolution No. 2017-09, authorizing the city to sign and execute a Memorandum of Agreement (MOA) for implementation of the NCZAIP. In May 2017, the MOA was signed by all NCZAIP partners. All the actions (listed below) are anticipated to begin if not be completed in the short term (0-5 years):

- Adopt changes to City of Lakewood Code and Administrative Processes;
- Prepare an amortization study;
- Seek voluntary property acquisitions and business relocation;
- Continue efforts on habitat restoration and preservation;
- Explore the “Woodbrook Land Exchange”; and
- Establish and maintain an AIP Implementation Team.

Most implementation actions will be led by project partners such as the City of Lakewood, Pierce County and JBLM. SSMCP will continue to be actively engaged, for instance by supporting formation and regular meetings of the AIP Implementation Task Force.

## **F.4 Supporting Military-Civilian Compatibility**

### **F.4.1 Overview**

In 2018 and 2019, Lakewood worked with the SSMCP and JBLM to develop a lighting ordinance and regional lighting code templates for jurisdictions around the JBLM boundaries. Lakewood adopted the ordinance and development code in 2019.

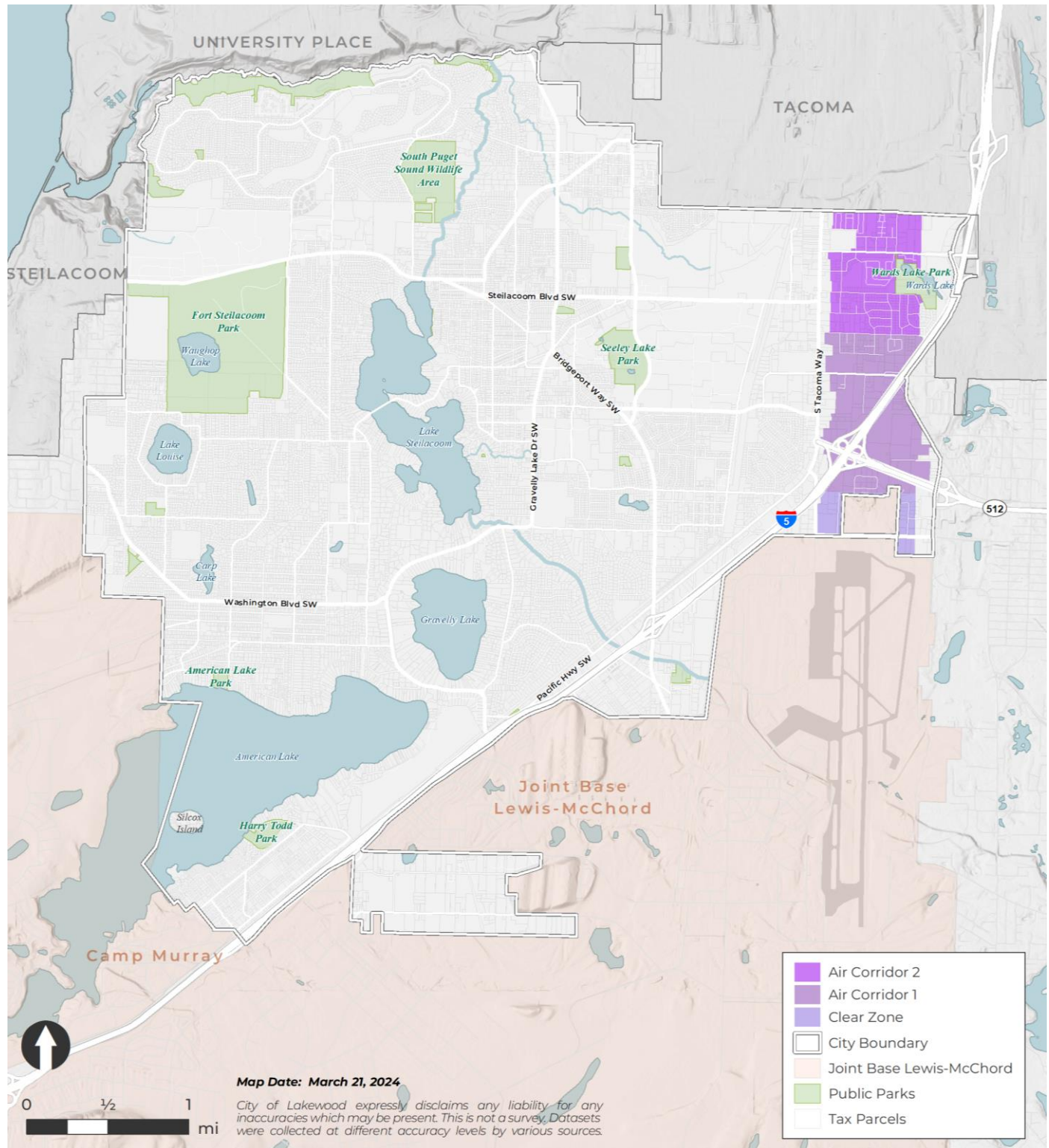
Lakewood and SSMCP also lead the successful advocacy efforts for the creation of the WA Defense Community Compatibility Account (DCCA.) The DCCA funds necessary infrastructure and supports establishing compatible land use and infrastructure near military installations in Washington. The program provides a framework for evaluating and prioritizing projects that enhance the economy, environment, and quality of life opportunities for local communities affected by the presence of military installations.

Two Lakewood land use zones (Air Corridors (AC) 1 and 2) extend northward from the McChord Field runway and are subject to noise and safety impacts of military flight operations. These are based on the JBLM Air Installation Compatible Use Zone (AICUZ) Accident Potential Zones (APZ) I & II but do have slightly different boundaries.

Special Note on Air Corridor 1 and 2 boundaries: There are minor discrepancies in the boundaries of the city’s Air Corridor 1 and 2 zones and the JBLM CZ, APZ I and APZ II boundaries. The Air Corridor boundaries follow property lines, whereas the CZ, APZ I and APZ II are based on imaginary surface areas.

Exhibit F-1 shows the AC1 and AC2 boundaries. The potential risk to life and property from hazards that may be associated with military aircraft operations, as distinguished from general/commercial aviation corridors necessitates control of the intensity, type, and design of land uses within the designation.

Exhibit F-1. Lakewood Air Corridors.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



Air Corridor 2 (AC2) is generally coterminous with the McChord Field Accident Potential Zone Designation II (APZ II), as identified through the JBLM AICUZ program. The APZ II designation has a lower accident potential, and some compatible uses are appropriate; however, uses that concentrate people in the APZ II, including residential uses at densities greater than two dwelling units per acre, are considered incompatible per federal guidance.

## **F.4.2 Action Items**

The following action items have been identified through military compatibility planning coordinated with JBLM, and should be considered as part of the Comprehensive Plan:

1. If military lands revert to Pierce County, coordinate with JBLM and the County to identify the desired character of the reverted property.
2. Recognize safety issues associated with training, artillery, and small-arms activities on JBLM.
3. Promote cooperation between JBLM and Lakewood to address the reduction or mitigation of noise-generating uses.
4. In accordance with RCW 36.70A.530 and VISION 2050 MPP-RC-6, MPP-RC-7, MPP-DP-49, and MPP-Ec-2, provide to JBLM official(s) for review and comment:
  - a. all applications for commercial development, subdivision review, variances, conditional uses, special exceptions; and
  - b. proposed amendments to Comprehensive Plans and development regulations proposed within the AC1 and AC2 zones, including applications concerning telecommunications, broadcast towers, and hobby communication towers.
5. Invite JBLM representatives to advise the city Planning Commission on community and economic development issues which have the potential to impact base military operations.
6. Provide city environmental policies to JBLM to encourage consistency with any environmental policies adopted by the military.
7. Cooperate with JBLM and Camp Murray in developing plans for circulation improvements in and around the installations.
  - a. Plan public services, transportation, land use, and other decisions on the ability of the public transportation network to meet access needs without depending on military roads;
  - b. Cooperate in the development of mitigation plans for military road closures that affect public use; and
  - c. Promote the continued operation of existing rail lines to serve the transportation needs of Lakewood businesses and Joint Base Lewis-McChord.
8. Review proposed Comprehensive Plan and zoning amendments for compatibility with the JBLM Air Installation Compatible Use Zone (AICUZ) program and most recent Joint Land Use Study (JLUS.) Identify priority areas in which to resolve inconsistencies with AICUZ regulations.
9. Consider regional and national needs as well as local concerns in city land use decisions regarding proposals located in the AC1 and AC2 zones.
10. Prohibit Comprehensive Plan amendments and land use zone reclassifications within AC1 and AC2 that would increase residential densities, geographically expand residential zones, establish a new



residential designation, change an existing commercial or industrial designation to a residential designation, or allow residential uses in commercial or industrial zones.

11. Prohibit the following land uses within appropriate areas and zones:
  - a. New residential uses, unless the design of the structure and general site plan incorporate noise-reduction measures to meet the Department of Housing and Urban Development (HUD) standards;
  - b. Public services and quasi-public services such as hospitals, public meeting rooms, and libraries, and cultural, recreational, and entertainment land uses, unless the design of the structure and general site plan incorporate noise reduction measures to meet HUD standards;
  - c. Uses which attract birds, create visual hazards, discharge particulate matter into the air which could adversely alter atmospheric conditions, emit transmissions which would interfere with military aviation communications and instrument landing systems, otherwise obstruct or conflict with airport operations or aircraft traffic patterns, or result in potential hazard for off-base land uses;
  - d. Schools, daycare facilities, and other facilities which incorporate outside activities; and
  - e. Sensitive uses that have a high concentration of people such as, but not limited to, schools, religious institutions, theaters, public assembly facilities and day care facilities are prohibited from locating near McChord Field and/or within the AC1 and AC2 zones.
12. Promote the conversion of existing higher density housing in eth AC1 and 2 land use zones, including mobile home parks and apartments and other high occupancies, to less intensive land uses.
13. Direct the following land uses away from property abutting the JBLM boundary:
  - a. High density residential;
  - b. Public buildings (such as schools, medical facilities, public meeting facilities, and churches); and
  - c. Cultural facilities.
14. Preserve and encourage existing and new industrial uses that complement aviation facilities in the AC1 and AC2 zones, including warehousing, storage, open space, and other appropriate land uses.
15. Require future construction adjacent to the installation to provide for fire protection at installation boundaries.
16. Control light and glare in the AC1 and AC2 zones to protect the operational environments near McChord Field.
17. Protect military airspace by preventing structural penetration of Imaginary Surfaces as described in UFC 3-260-01 and in the most recently published JBLM AICUZ Report. Development within the AC1 and AC2 zones which may affect UFC 3-260--01 imaginary surfaces shall obtain necessary approvals from the Federal Aviation Administration (FAA). Operators of construction cranes within the AICUZ Accidental Potential Zones shall coordinate with JBLM and the Federal Aviation Administration prior to commencing operations.
18. Require the application of noise abatement through acoustical analysis, structure design and construction techniques and materials in residential developments within the AC1 and AC2 zones per FAA regulations (FAR Part 150).

19. Require Title Notice for new development or substantial redevelopment of lots, buildings, and structures in the AC1 and AC2 zones that may experience low overhead flights, odor, vibrations, noise, and other similar aviation impacts.
20. Support workforce development programs for military personnel transitioning out of military service.
21. Conduct industry justification and economic diversification studies in response to drawdown and potential loss of Department of Defense contracts.
22. Regarding South Sound Military & Communities Partnership (SSMCP):
  - a. Continue role as the fiduciary agent of the SSMCP and remain responsible for all its staffing and budgetary activities;
  - b. Retain membership on the SSMCP Executive Leadership Team (ELT);
  - c. Conduct periodic meetings of elected local, state, and federal officials and military commanders on growth management issues of mutual concern;
  - d. Engage JBLM and Pierce County in determining land valuations and business relocation costs in the McChord Field North Clear Zone;
  - e. Using funds from the U.S. Department of Defense Office of Local Defense Community Cooperation (OLDCC), Washington State, and other available sources, lead efforts to implement the JBLM JLUS, including the North Clear Zone Action Implementation Plan; and
  - f. In consultation with the SSMCP's members and partners:
    - i. develop, and maintain a business plan for the SSMCP;
    - ii. work to establish a permanent funding source for the SSMCP;
    - iii. encourage the dissemination of information to the public regarding JBLM mission activity and associated impacts through such means as website postings, distribution of brochures, distribution of information to the regional print and broadcast media; and
    - iv. develop a JBLM Regional Policy Considerations Guide. The guide would include background text on JBLM operations and policies associated with economic development and housing.

# G Natural Environment

## G.1 Introduction

The Natural Environment Element has goals and policies that will be implemented over time through development regulations, an urban forestry program, an Energy & Climate Change Implementation Plan, and continued partnership with community environmental groups.

Over the past century, Lakewood's transformation into an urban area has often come at the expense of its natural landscape, leading to significant degradation and, in some cases, the complete loss of natural environments. Looking ahead, prioritizing the enhancement and protection of these remaining natural spaces will be crucial for improving local quality of life and preventing the perception of Lakewood as merely another "paved over" urban area.

In recent years, the city has actively engaged in initiatives to improve environmental quality in the community. In 2004, Lakewood implemented new critical areas policies along with updates to its environmental protection regulations, which have been continually refined. Additionally, in 2019, the city approved a new Shoreline Management Plan and Restoration Plan. Community organizations collaborate closely with the city and Pierce County, reporting annually to the Planning Commission on efforts to preserve and rejuvenate Lakewood's shorelines. These projects are supported financially through Lakewood's biennial budget allocations for shoreline restoration.

## G.2 The Natural Environment and Critical Areas

### G.2.1 Overview

Under the GMA, Lakewood is required to review its critical area regulations when adopting its comprehensive plan. The primary purpose of this subsection is to evaluate consistency between existing goals and objectives governing critical areas and each of the three alternatives under consideration. An additional function is to compare the impact of each alternative on resource lands.

Critical areas in the City of Lakewood include wetlands, aquifer recharge areas, fish and wildlife habitat, flood hazard areas, geologically hazardous areas. Creeks, streams, and lakes are part of fish and wildlife habitat. Chambers Creek and the many lakes in Lakewood are shorelines of the state.

- **Wetlands** are areas that are inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. They include swamps, marshes, bogs, and similar areas.

- **Aquifer recharge areas** are areas where the prevailing geologic conditions allow infiltration rates which create a high potential for contamination of groundwater resources or contribute significantly to the replenishment of groundwater with potential to be used for potable water.
- **Fish and wildlife habitat areas** are habitats considered to be critically important to the maintenance of fish, wildlife, and plant species, including areas with which endangered, threatened, and sensitive species have a primary association; habitats and species of local importance lakes, ponds, stream, rivers, state natural area preserves and natural resource conservation areas. Priority Oregon White Oak Woodland are a habitat and species of local importance (LMC 14A.154.020(B)(1)).
- **Flood hazard areas** are lands located in floodplains which are subject to a one percent or greater chance of flooding in any given year.
- **Geologically hazardous areas** are areas that because of their susceptibility to erosion, sliding, earthquake, or other geological events, may pose a risk to the siting commercial, residential, or industrial development consistent with public health or safety concerns.

Each of these is described in the comprehensive plan background report (EDAW 1997) and in the Environment and Critical Areas sections of the interim comprehensive plan (City of Lakewood 1996).

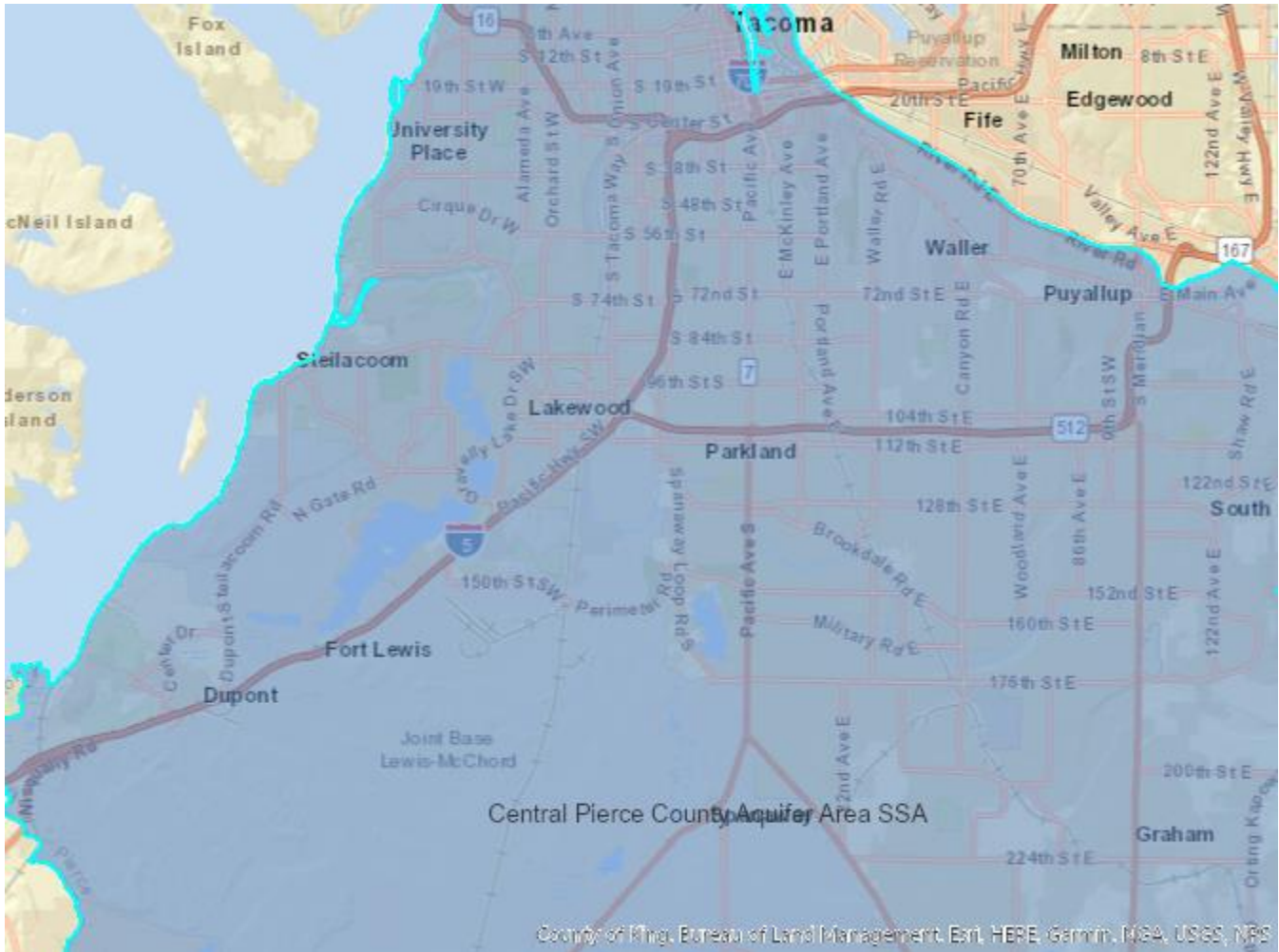
### G.2.2 Wetlands

Lakewood has an estimated 155.3 acres of wetlands in addition to 1,098 acres of lakes (City of Lakewood 1996). The largest non-lacustrine wetland is the 106-acre Flett Creek floodplain in northeast Lakewood. The second largest wetland is the 37-acre Crawford Marsh comprising much of Seeley Lake Park. Both contain peatbogs and waterfowl and animal habitat. Other wetlands are scattered throughout Lakewood on both public and private property along stream corridors and in isolated depressions.

### G.2.3 Aquifer Recharge Areas

Lakewood and much of the county is in the Central Pierce County Sole Source Aquifer. See Exhibit G-1.

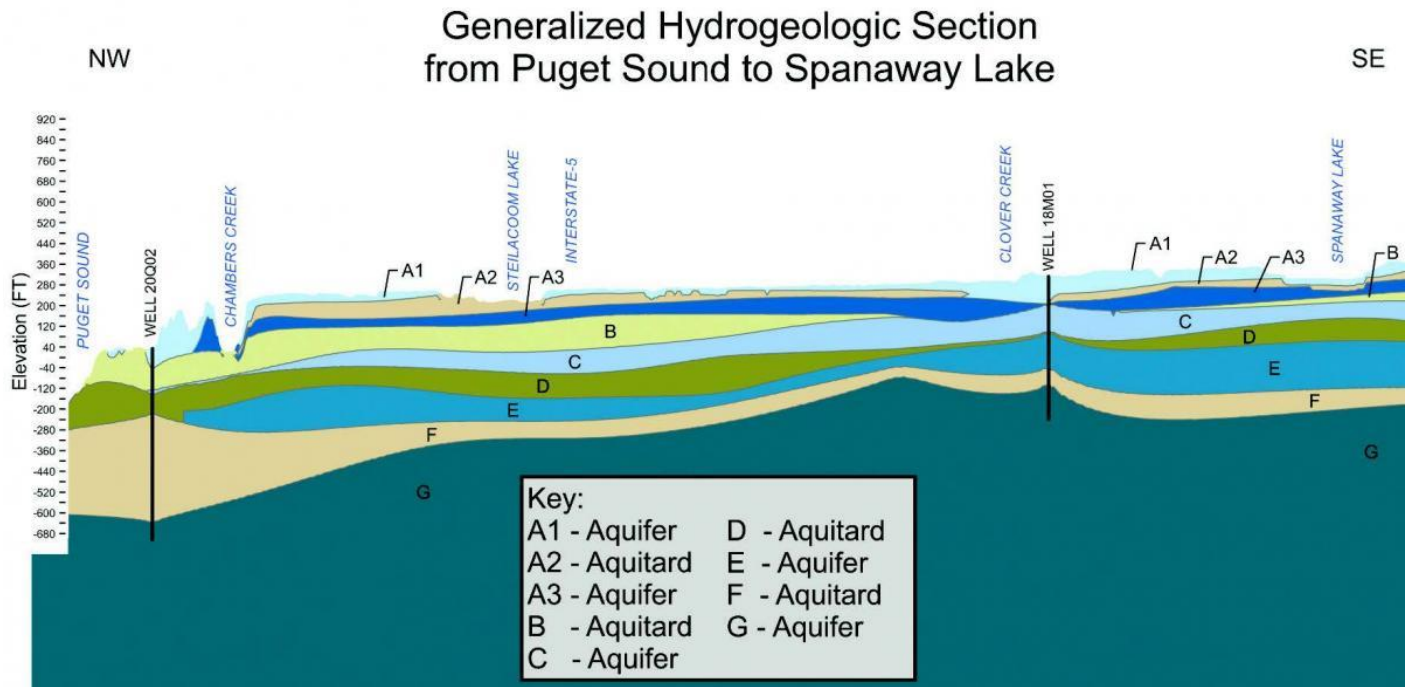
Exhibit G-1. Central Pierce County Sole Source Aquifer Area Lakewood Vicinity



Source: US EPA, 2024.

The Lakewood Water District's sole source of water is from underground aquifers, water-bearing strata of permeable rock, sand, or gravel. Most of Lakewood is built above a series of four underground aquifer systems that supply the Lakewood Water District with well water, serving Lakewood with water for domestic and industrial uses. See Exhibit G-2.

Exhibit G-2. Aquifers from Puget Sound to Spanaway Lake



Source: (Lakewood Water District, 2024)

The District’s 30 active wells provide a maximum production capacity of approximately 30 million gallons per day (mgd), with a total water-right capacity to pump up to over 60+ mgd. Recharge (replenishing) of the aquifers comes from local rainfall in the Clover/Chambers drainage basin.

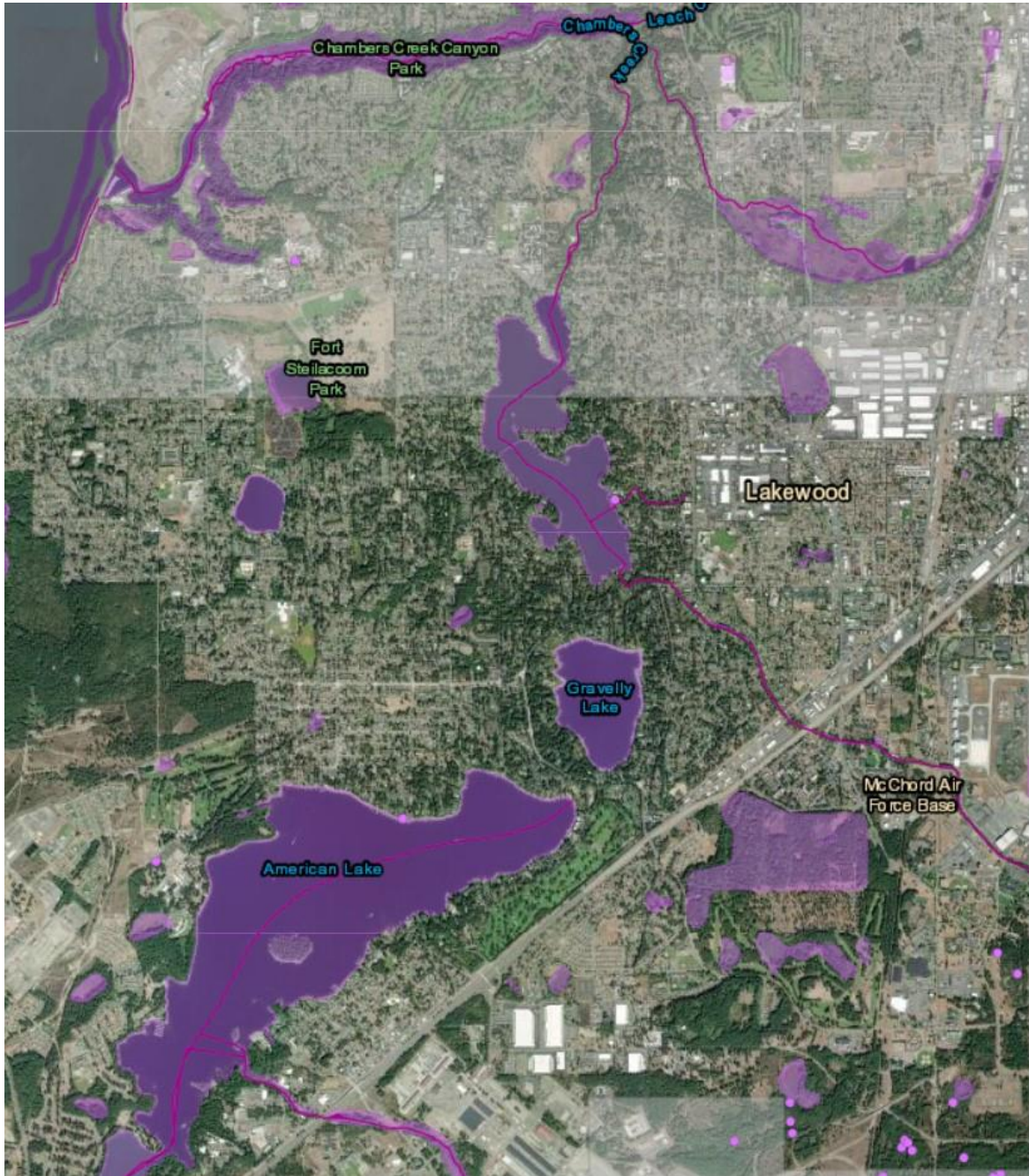
The District adheres to a wellhead protection program. The Wellhead Protection Plan identifies Aquifer A as the shallowest aquifer with the most direct hydrologic relation to the surface. In addition, it is composed of highly permeable glacial deposits resulting in hydrologic conductivity values averaging approximately 1,650 feet per day (Economic and Engineering Services, Inc. and Robinson & Noble, Inc. 1997). Because of these factors, Aquifer A is the shallowest and most vulnerable of Lakewood’s aquifer systems. This aquifer is located along the I-5 corridor in eastern Lakewood with water contribution flowing west from McChord AFB and Spanaway. American Lake is believed to have a direct hydrologic connection to the aquifer. This shallow aquifer also includes a smaller area in western Lakewood that includes Waughop Lake and Lake Louise, both of which are believed to contribute directly to three wells south of Fort Steilacoom Park.

## G.2.4 Fish and Wildlife Habitat

In the present era, most of Lakewood is composed of suburban and urban development, with remnant areas of native vegetation found in a patchy mosaic throughout the city. Significant remaining intact stands of native vegetation include the Flett wetlands, the Chambers Creek canyon, and Seeley Lake Park. The mapped priority habitats and species reflect these major areas of habitat. See Exhibit G-3.



Exhibit G-3. Priority Habitats and Species in Lakewood Vicinity



Source: WDFW, 2024

Wildlife habitat has been reduced because of development, with little suitable habitat for large mammals remaining. Information provided by the Washington Department of Fish and Wildlife (WDFW) regarding lands meeting the criteria as priority wildlife habitats indicates a number of those habitats are present in the city, including wetlands, riparian zones, and other biodiversity areas. The remaining habitat can support a variety of smaller mammals, reptiles, amphibians, and birds. Standing

water in the form of lakes accounts for 1,098 acres, or 9% of Lakewood's surface area. These lakes support a variety of water and shorebirds, as well as aquatic fauna.

The Clover Creek watershed is the principal watershed in the city. Clover Creek empties into Lake Steilacoom. The lake then flows into Chambers Creek, which empties into Puget Sound immediately west of the city limits. Chambers Creek forms the boundary between the cities of Lakewood and University Place. Major tributaries of Chambers Creek include Leach Creek and Flett Creek. Chambers Creek has been dammed to form Steilacoom Lake. Two streams flow into Steilacoom Lake, Clover Creek, and Ponce de Leon Creek. Chambers Creek, Leach Creek, Flett Creek, and Clover Creek are all identified by the WDFW as having anadromous fish runs. In addition, there is a critical spawning habitat identified near the mouth of Chambers Creek.

Because of the presence of endangered salmonids in the watershed, land use activity must conform to ESA regulations for Lakewood to receive protection under Section 4(d) of the ESA. These are identified in the National Marine Fisheries Service 4(d) rules, which identify the elements that must be present in an approved stormwater management plan. The Chambers/Clover Creek watershed forms Water Resource Inventory Area (WRIA) 12, as defined by the Washington Department of Ecology. The Chambers/Clover Creek Watershed Action Plan is the watershed-wide document under development to manage non-point source pollution within WRIA 12. This Action Plan contains several recommendations with regards to habitat, water quality, and related issues of importance to salmon recovery efforts, and has been approved by Lakewood as well as most other jurisdictions within WRIA 12.

Although Lakewood is a disturbed landscape, some federal or state plant and animal species of concern are known to occur. Lakewood's critical areas regulations (LMC 14.154.020) identify Critical Fish and Wildlife Habitat Areas as including federal and state listed species and their associated habitats. The Lakewood Shoreline Restoration Plan (AHBL, Otak, Herrera, 2019) has identified the following listed species:

*Steelhead of the Puget Sound Distinct Population Segment (DPS) (U.S. Federal Register, 11 May 2007) is the only federally listed salmonid species that occurs in the City of Lakewood. Steelhead presence is documented in Chambers Creek and their presence is assumed in Lake Steilacoom and Clover Creek Page 6 (StreamNet 2010). Additionally, Puget Sound-Strait of Georgia coho salmon (a PHS Species) also occur in the basin and are listed as a Species of Concern (U.S. Federal Register, 15 April 2004), indicating that they are under less active consideration for formal listing. Coho spawn in Chambers and Clover Creeks and their presence is documented in Lake Steilacoom (StreamNet 2010). Critical habitat for Puget Sound steelhead within the City of Lakewood was finalized in 2016 (Federal Register 2016). The Chambers Bay estuary fish ladder traps are used at certain times to capture upstream adult migrants, mainly Chinook, as part of a segregated hatchery and estuary fishery program. The fish ladders are left open during the remainder of the year to allow passage of other diadromous species (e.g., chum, coho, steelhead and cutthroat trout). Chinook salmon are usually not released upstream, but spawn are taken to Garrison Springs Hatchery for rearing. The Garrison Springs Hatchery is located in the City of Lakewood near Chambers Creek. (AHBL, Otak, Herrera, 2019)*

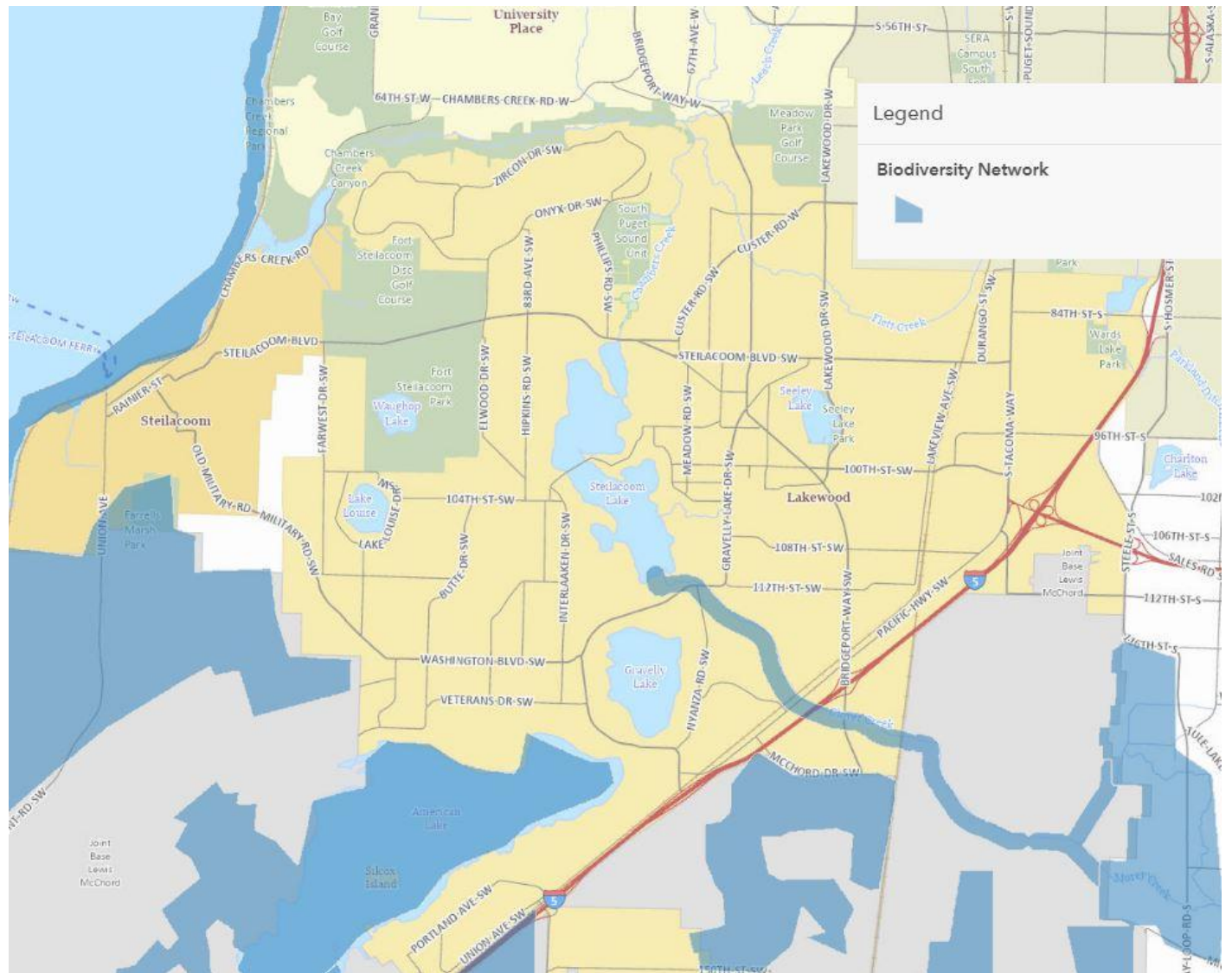
The Lakewood Municipal Code (LMC 14.154.020) also lists the following as habitats and species of local importance as part of critical fish and wildlife habitat areas:

- Priority Oregon white oak woodlands.
- Prairies.
- Old growth forests.
- Caves.
- Cliffs.
- Snag-rich areas.
- Rivers and streams with critical fisheries.
- Naturally occurring ponds under 20 acres and their submerged aquatic beds that provide fish or wildlife habitat.
- Waters of the state, including all water bodies classified by the Washington Department of Natural Resources (DNR) water typing classification system as detailed in WAC 222-16-030, together with associated riparian areas.
- Lakes, ponds, streams, and rivers planted with game fish by a governmental entity or tribal entity.
- State natural area preserves and natural resource conservation areas.

Some lakes and streams noted as habitats of local importance have been mapped as biodiversity corridors by the state WDFW and Pierce County. See Exhibit G-4.



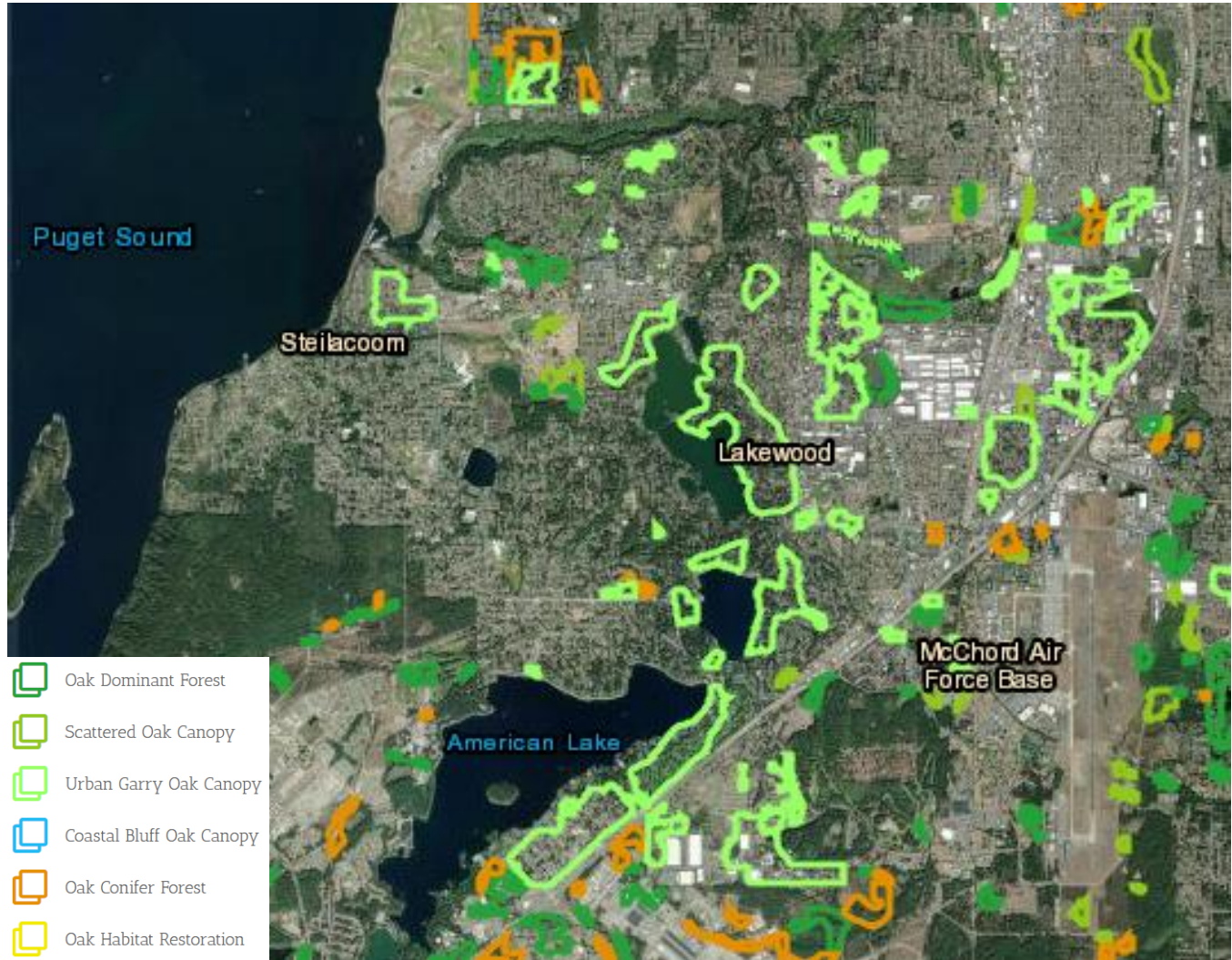
Exhibit G-4. Biodiversity Areas Lakewood Vicinity



Source: Pierce County GIS, 2017

Regulated by the city's critical area regulations and tree preservation regulations (LMC 18A.70 Article III), Oregon white oak woodlands, are found in portions of the city in parks and private lands. See Exhibit G-5.

**Exhibit G-5. Oregon White Oak Woodlands**



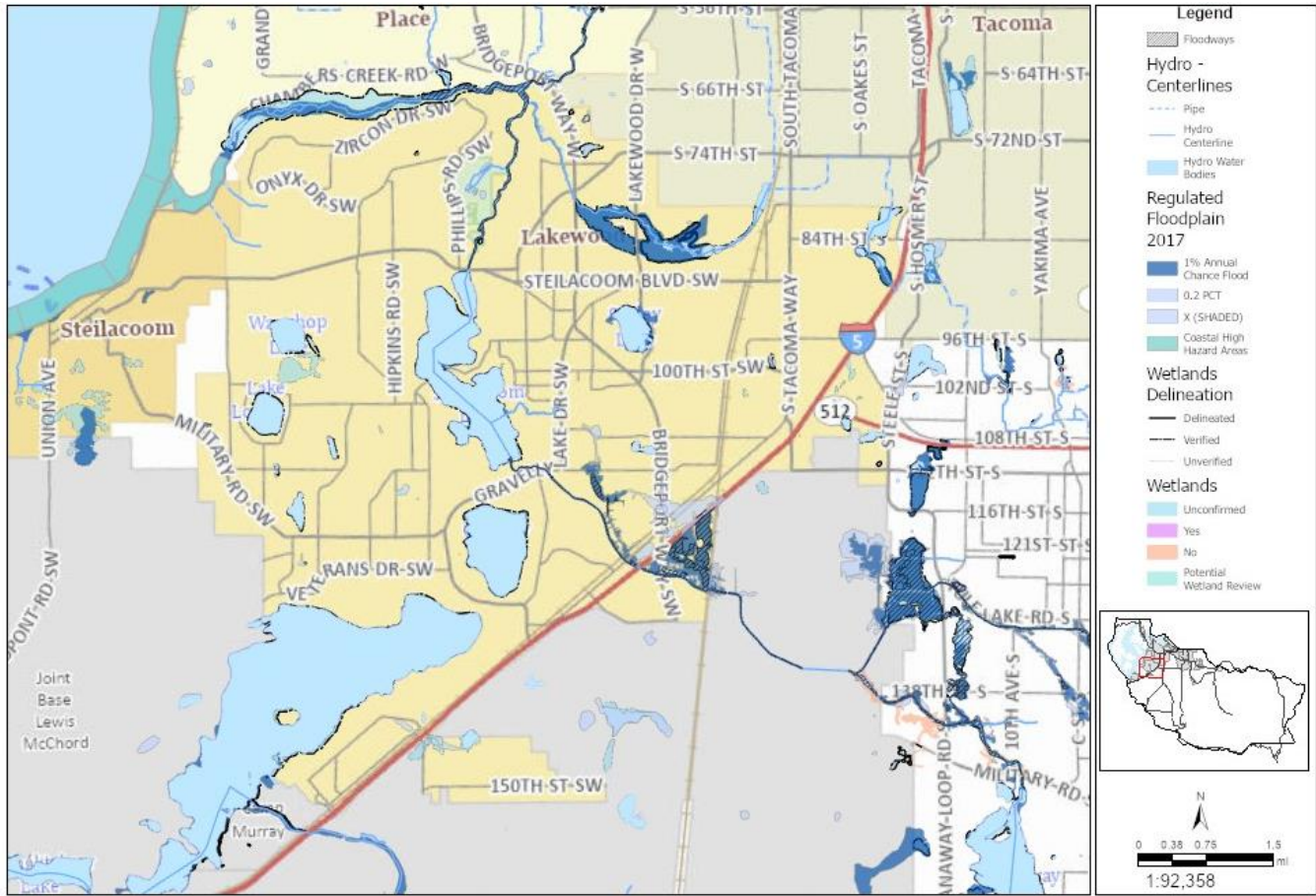
Source: Department of Natural Resources, 2017-2022; Sound Oaks Initiative, 2024

**G.2.5 Flood-Prone Areas**

Flooding is the most common natural hazard in Lakewood due to the area's hydrologic conditions, topography, and development patterns. Portions of northeast and east Lakewood, especially in the Clover and Flett Creek drainage area, are susceptible to flooding. Other areas prone to flooding include wetlands and adjacent low-lying upland areas. See Exhibit G-6 for a citywide view of floodplains and wetlands.



**Exhibit G-6. Lakewood Floodplains and Wetlands**



Sources: Pierce County GIS, 2024; FEMA, 2017

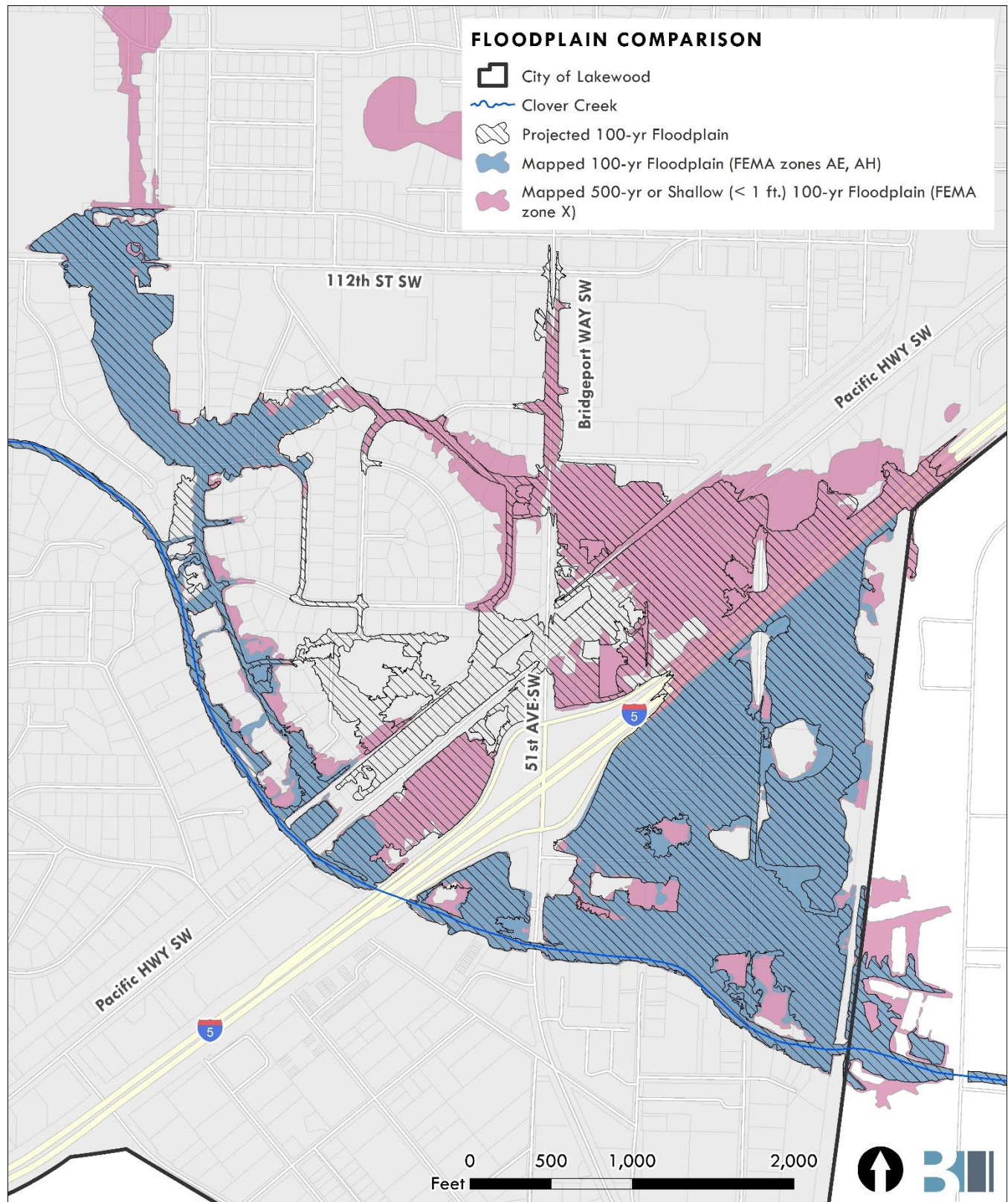
The City of Lakewood evaluated a portion of Clover Creek through the Clover Creek Flood Mitigation Study in 2022-2023. Points along the Clover Creek alignment have experienced flooding during large storm events, particularly in the area between Joint Base Lewis-McCord and I-5, as well as northwest of I-5 along Pacific Highway. The city proactively developed a study (Brown and Caldwell, 2023), which:

- Developed conceptual alternatives and flood mitigation strategies,
- Evaluated flood mitigation concepts,
- Engaged stakeholders throughout the study, and
- Provided funding alternatives.

The floodplain areas reviewed are shown on Exhibit G-7.



Exhibit G-7. Clover Creek FEMA Floodplain Comparison



Sources: FEMA, 2017

Flooding threatens lives and damages property. Its frequency and severity tend to increase because of development, specifically as permeable forest cover is replaced by impervious surfaces such as rooftops or concrete or even by semi-permeable ground covers such as lawns. The most effective way to limit increasing urbanization-related flood risk is to limit changes to natural hydrologic functions. Accordingly, natural drainage channels need to be preserved whenever possible, and permeable surfaces should be protected. Changes to these system functions should be compensated by engineered systems such as retention/detention basins, swales, and other approaches designed to simulate natural flood control mechanisms by allowing stormwater to slowly seep into the ground or gradually drain downstream.

## G.2.6 Geologically Hazardous Areas

Geologically hazardous areas typically include areas subject to structural failure, usually because of mass wasting or seismic incidents. Most of Lakewood is located on flat lands sloping 8% or less. The steepest significant land area in Lakewood, and consequently the area most vulnerable to landslide, is the southern rim of the Chambers Creek canyon, which is the northwestern boundary of the city. (Washington Department of Natural Resources, 2024) Other sloping areas include hillsides with moderate slopes scattered in primarily residential areas and some former gravel quarries with slopes over 30% grade.

Each shoreline water body's shoreline contains a small amount of steep slope areas, except for Clover Creek, which contains no documented geologic hazards. (AHBL, Otak, Herrera, 2019)

Most of the city is mapped as having very low risk of seismic liquefaction except in the Chambers Creek Canyon area, or around the rim of lakes and wetlands. (Washington Department of Natural Resources, 2024)

## G.2.7 Creeks, Streams, and Lakes and their Shorelines

Much of Lakewood lies within the Chambers Creek drainage basin. Chambers Creek flows into Puget Sound between Steilacoom and University Place and forms Lakewood's northern boundary. Chambers Creek is joined by Leach and Flett Creeks near Lakewood's boundary with University Place and Tacoma. Flett Creek originates in southern Tacoma and drains the largest palustrine wetland system in the city, Flett wetlands.

As previously mentioned, there are numerous lakes in Lakewood. Most of these lakes, including American, Gravelly, Waughop, and Seeley lakes and Lake Louise, are of glacial origin. Steilacoom Lake was formed as the result of damming Clover Creek to create a millpond. Chambers Creek flows from the south and drains Lake Steilacoom, which is impounded by the dam at Steilacoom Boulevard. The largest stream feeding Lake Steilacoom is Clover Creek, which flows from the southeast through Ponders Corner and Springbrook. A smaller stream, Ponce de Leon Creek, drains the Lakewood Mall site flowing past the current City Hall, emptying into Lake Steilacoom.

Many of Lakewood's lakes are fed by groundwater flow. The water table underlying the city is very shallow and moves freely through the permeable glacially deposited sandy and gravelly soils. Where the

depressions in local topography go deep enough, they intercept the water table and form lakes. Lake levels fluctuate seasonally with local water tables.

Waterbodies with water quality impairments include:

- American Lake - Phosphorus
- Spanaway Lake - Bacteria
- Clover Creek - Bacteria, Temperature
- Steilacoom Lake - Phosphorus
- Chambers Creek - Bacteria, Copper
- Leach Creek - Mercury

Stormwater runoff is one of the major causes of pollution. State and county watershed assessments have identified mitigation approaches. (Chambers-Clover Creek Watershed Council, ND)

## G.3 Review of the Critical Areas Ordinance

Note that this section is based on a review memo developed by Facet (formerly DCG/Watershed).

### G.3.1 Introduction

With passage of the Growth Management Act (GMA), local jurisdictions throughout Washington State, including the City of Lakewood, were required to develop policies and regulations to designate and protect critical areas. Critical areas, as defined by the GMA (RCW 36.70A.030(5)), include wetlands, areas with a critical recharging effect on aquifers used for potable water, fish and wildlife habitat conservation areas, frequently flooded areas, and geologically hazardous areas.

An ongoing requirement of the GMA is for local jurisdictions to periodically review and evaluate their adopted critical areas policies and regulations. In accordance with the GMA, the city adopted a Critical Areas Ordinance (Ordinance No. 362) in 2004, and sections of this ordinance were updated and adopted in Ordinance No. 630 in 2015. The city is now considering further updates to its critical area policies and regulations to be consistent with recent updates to the best available science (BAS). Any deviations from science-based recommendations should be identified, assessed, and explained (WAC 365-195-915). In addition, jurisdictions are to give special consideration to conservation or protection measures necessary to preserve or enhance anadromous fisheries.

The city's critical areas regulations are currently codified in Chapters 14.02 through 14.165 of the Lakewood Municipal Code.

This gap analysis provides a review of the current critical areas regulations, noting gaps where existing policies or regulations may not be consistent with BAS or the GMA. It also documents where revisions could be made to aid in clarity and general usability of the code based on a review and use of the code by DCG/Watershed and city staff. The primary intention of this gap analysis is to help guide the update of the city's critical areas regulations.

## G.3.2 GMA Regulatory Process

The City of Lakewood is conducting a substantive review and revision of its Critical Areas Ordinance (Chapter 14.02 LMC). The Growth Management Act (GMA) requires all cities and counties in Washington to adopt regulations protecting critical areas to preserve the natural environment, wildlife habitats, and sources of fresh drinking water. Critical areas regulation also encourages public safety by limiting development in areas prone to natural hazards like floods and landslides. All jurisdictions are required to review, evaluate, and, if necessary, revise their critical areas ordinances according to an update schedule. Furthermore, the GMA, under RCW 36.70A.172 requires all counties and cities to “include the best available science in developing policies and development regulation to protect the functions and values of critical areas.”

## G.3.3 Document Organization

Recommendations for updating the city’s existing critical areas regulations are provided below, including general provisions that are applicable to all critical areas and individual sections that address the different types of critical areas covered by the GMA. To highlight findings of the gap analysis, a Code review summary table is provided at the beginning of each section. Where a potential gap is identified, subsections provide further discussion.

## G.3.4 Ordinance Review

### General Provisions – LMC 14.142

Sections LMC 14.142.010 through 14.142.200 contain general provisions that are applicable to all types of critical areas. While overall the general provisions contained in these sections are strong, some refinements could be made to further align these sections with the GMA and BAS. Exhibit G-8 below provides a summary of recommendations that are described in detail in this section.

#### Exhibit G-8. General provisions review summary.

Code Section	Title	Review Comment / Recommendations*
14.142.010– 14.142.200	General Provisions	<ul style="list-style-type: none"> <li>▪ Add a section for best available science</li> <li>▪ Add allowed activities section</li> </ul>
14.142.010	Authority and title	None
14.142.020	Intent	None
14.142.030	Interpretation	None
14.142.040	Applicability and Mapping	<ul style="list-style-type: none"> <li>▪ Create city-owned critical area maps or add reference to BAS map resources in individual sections</li> </ul>
14.142.050	Permitted Uses	None
14.142.060	Regulated uses/activities	None



Code Section	Title	Review Comment / Recommendations*
14.142.070	Exemptions	<ul style="list-style-type: none"> <li>Specify requirements for demonstrating project exemption</li> <li>Add reference to Pierce County Noxious Weed Control Board species list</li> </ul>
14.142.080	Reasonable use exception	<ul style="list-style-type: none"> <li>Update reasonable use exceptions</li> </ul>
14.142.090	Reasonable use exception and modification of critical requirements for individual single-family residences	None
14.142.100	Process	<ul style="list-style-type: none"> <li>Add requirement in subsection (B), requiring staff to confirm no net loss of ecological function for each project application, pursuant to WAC 365-196-830(4).</li> <li>Add general language on impact avoidance and mitigation sequencing.</li> </ul>
14.142.110	Variances	None
14.142.120	Current use assessment	None
14.142.130	Compliance provisions	None
14.142.140	Appeal procedures	None
14.142.160	Fees	None
14.142.170	Title and plat notification	<ul style="list-style-type: none"> <li>Correct spelling of “plat”</li> </ul>
14.142.180	Nonconforming uses	<ul style="list-style-type: none"> <li>Recommend breaking section into subsections for Nonconforming use, nonconforming structure, and nonconforming lots</li> <li>Recommend adding definitions for new items to Section 14.165</li> </ul>
14.142.190	Administrative procedures and technical criteria	None
14.142.200	Severability	None
14.165	Definitions	<ul style="list-style-type: none"> <li>Review and consider revisions</li> </ul>

\* See discussion of comments/recommendations in the subparts below this table.

### General Provisions (LMC 14.142.010–200, LMC 14.165)

- Add a section for best available science.** RCW 36.70A.172(1) requires the inclusion of best available science (BAS) in critical area regulations. The application of BAS is not discussed in the current CAO. Such a section could identify criteria for what qualifies as BAS, identify the process to be followed in absence of valid scientific information, and how BAS will be used to preserve or enhance anadromous fisheries (a special consideration required by Chapter 365-195 WAC).
- Add allowed activities section.** Some jurisdictions have expressed an interest in adding an allowed uses section which lists activities allowed in critical areas. Creation of such a section should involve review of the existing exemptions section of the code and reconcile and clarify which activities are considered exempt and which are allowed and what the difference is. As the code is currently written, exempt uses do not require submittal of a critical areas report, or mitigation. Allowed uses

should still be required to provide mitigation if activities would result in a loss of the function and values of the critical area.

#### *Applicability and Mapping (LMC 14.142.040)*

- **Add city maps or map resources.** The current CAO defines/designates regulated critical areas according to guidelines, however there are no reference maps or resources which applicants can use to identify potential critical areas in their project area. The city should either add a reference to publicly available resources for critical areas identification or create city maps containing those designations that are updated regularly.

#### *Exemptions (LMC 14.142.070)*

- **Specify requirements for proving project exemptions.** This section lists actions which are exempt from the critical areas code. However, it does not specify what the responsibilities of a project proponent are in proposing such an action. The city should consider adding language clarifying what, if any, approval is needed prior to engaging in an exempt activity. To promote protection of critical areas even from exempt activities, language like the following is recommended for insertion at the beginning of this section:

*All exempted activities shall use reasonable methods to avoid potential impacts to critical areas. To be exempt from this Chapter does not give permission to degrade a critical area or ignore risk from natural hazards. Any incidental damage to, or alteration of, a critical area that is not a necessary outcome of the exempted activity shall be restored, rehabilitated, or replaced at the responsible party's expense (CTED 2007).*

- **Add reference to Pierce County Noxious Weed Control Board species list.** Regulation R of this section references the state noxious weed list allowed to be removed under the stated exemption. To include the coverage of more weeds, the city should consider adding a reference to include all weeds listed on the Noxious Weeds Designated for Control or Eradication in Pierce County by the Pierce County Noxious Weed Control Board annual list.

#### *Reasonable Use Exceptions (LMC 14.142.080)*

The LMC currently allows for “reasonable use” if the CAO would otherwise deny all reasonable use of a property, however it only outlines a process for consideration of a development proposal. The code does not provide a list of qualifying exceptions or developments.

#### *Process (LMC 14.142.100)*

- **Add requirement in subsection (B), requiring staff to confirm no net loss of ecological function for each project application, pursuant to WAC 365-196-830(4).** Pursuant to WAC 365-196-830(4), Counties and Cities are required to ensure no-net-loss of critical area functions for any proposed development. Although counties and cities may protect critical areas in different ways or may allow some localized impacts to critical areas, or even the potential loss of some critical areas, development regulations must preserve the existing functions and values of critical areas.



Avoidance is the most effective way to protect critical areas. If development regulations allow harm to critical areas, they must require compensatory mitigation of the harm. Development regulations may not allow a net loss of the functions and values of the ecosystem that includes the impacted or lost critical areas.

- **Add general language on impact avoidance and mitigation sequencing.** Pursuant to WAC 197-11-768, mitigation consists of a specific sequence which includes: avoidance, minimization, rectification, reduction, and compensatory mitigation. We recommend adding general language on impact avoidance and each step of the mitigation sequence.

*Title and Plat Notification (14.142.170)*

- Correct spelling of “plat.”

*Nonconforming Uses (LMC 14.142.180)*

- **Recommend breaking section into subsections for nonconforming use, nonconforming structure, and nonconforming lots.** The Lakewood Shoreline Master Program (SMP) adopted in 2019 incorporates the Department of Ecology recommended changes listed in WAC 173-27-080, which separates “nonconforming uses and development” into “nonconforming uses”, “nonconforming structures”, and “nonconforming lots”. These updates are only required for SMPs; however, we recommend updating the CAO sections with similar verbiage to be consistent with the SMP as well as provide clarity on “nonconforming” regulations. We also recommend adding the new definitions to Section 14.165.

*Definitions (LMC 14.165)*

- **Review and consider revisions.** The city should conduct a thorough review of the definitions section and remove or modify redundant definitions, those which are not used in the code, and those which may require revisions because of other code amendments.

**Geologically Hazardous Areas – LMC 14.146**

The goal of geologic hazard regulations is to classify and designate areas on which development should be prohibited, restricted, or otherwise controlled because of danger from geological hazards. Geologically hazardous areas addressed in the Code include erosion and landslide hazard areas and seismic hazard areas. The Code does not designate mine, volcanic or tsunami hazard areas as geologically hazardous areas.

**Exhibit G-9. Geologically hazardous areas review summary.**

Code Section	Title	Review Comment / Recommendations*
14.146.010-14.146.050	Geologically Hazardous Areas	<ul style="list-style-type: none"> <li>▪ Consider updating definition to match RCW definition</li> </ul>
14.146.010	Purpose	<ul style="list-style-type: none"> <li>▪ Update types of hazards included</li> </ul>

Code Section	Title	Review Comment / Recommendations*
14.146.020	Designation of erosion and landslide hazard areas	<ul style="list-style-type: none"> <li>Update classification criteria consistent with WAC 365-190-120</li> <li>Update list of mapping resources</li> </ul>
14.146.030	Protection standards for erosion and landslide hazard areas	None
14.146.040	Designation of seismic hazard areas	<ul style="list-style-type: none"> <li>Update definition of seismic hazard areas</li> </ul>
14.146.050	Protection standards in seismic hazard areas	None

\* See discussion of comments/recommendations in the subparts below this table.

*Geologically Hazardous Areas (LMC 14.146.010-14.146.050).*

- **Consider adding RCW definition.** The LMC contains a definition of geologically hazardous areas, however the language differs slightly from the RCW definition. The city should consider adding the definition of geologically hazardous areas consistent with RCW 36.70A.030(9) to the definitions section in 14.165.
- **Consider adding a section for designation of Mine Hazard Areas.** The LMC does not address volcanic or mine hazard areas. Based on the DNR Geologic Information Portal there are no volcanic vents in the area around Lakewood, however there are surface mines within the city limits such as the Miles Sand and Gravel Company. Areas such as this should be addressed in the CAO to address future development of these areas.

*Purpose (LMC 14.146.010).*

- **Consider adding further explanation for areas that are considered geologically hazardous.** This section specifies geologically hazardous areas to include erosion and landslide hazard areas and seismic hazard areas. The city should consider adding the following language “For purposes of this title, geologically hazardous areas include the following: erosion, landslide and seismic hazard areas, and other hazard areas subject to other geological events such as coal mine hazards and volcanic hazards including mass wasting, debris flow, rock falls, and differential settlement” to align with WAC-190-120.

*Designation of erosion and landslide hazard areas (LMC 14.146.020).*

- **Consider adding further explanation for areas that are considered geologically hazardous.** The classification criteria included in this section are not complete and lack criteria for landslide hazard areas. This list should be updated consistent with WAC 365-190-120(6)(a-i).
- **Consider updating map resources.** The LMC contains a list of sources that may be used to delineate geologically hazardous areas. These sources may be out of date and/or other sources that are considered BAS may be available. For example, the Soil Survey of Pierce County Area listed in this section is from 1979.

*Designation of seismic hazard areas (LMC 14.146.040).*

- **General.** The LMC contains a list of areas considered seismic hazard areas, however the language differs slightly from the RCW designation. The city should consider adding the complete list of seismic hazard areas consistent with WAC 365-190-120(7).
- **Mapping.** The Lakewood code references two sources for mapping of seismic hazard areas, both of which were published in 2003. The Washington Department of Commerce recommends the following source: [Geologic Hazards and the Environment | WA - DNR](#).

**Critical Aquifer Recharge Areas – LMC 14.150**

Critical Aquifer Recharge Areas (CARA) are defined in Chapter 14.150 LMC and designated in LMC 14.150.020. LMC 14.150.040 lists the requirements for hydrogeological assessments when required through the permitting process. The current regulations appear consistent with the CARA guidance provided by the Department of Ecology. The following subsections are suggestions for improving the level of aquifer protection and general clarification of regulations to implement the plan.

- **Consider adding maps of CARAs.** The LMC designates CARAs based on DRASTIC zones seen in the Pierce County Map of Groundwater Pollution Potential and the Clover/Chambers Creek Aquifer Basin boundary, as identified in the Draft Clover/Cambers Creek Basin Ground Water Management Program. However, there are no listed resources for applicants to see if their project site is within a regulated CARA. We recommend either listing resource map links (such as those mentioned in LMC 14.150.020(B)(1) or for the city to consider creating its own CARA map for applicants to utilize as a reference during project development.
- **Create an inventory of potential contaminant sources.** Aquifer vulnerability analyses based on susceptibility assessments benefit from updated inventories of potential contaminant sources and their pathways. A monitoring well program (resource protection wells) with piezometers above and below the aquitards can provide early detection of changes in groundwater levels or water quality in specific aquifers, as well as long-term monitoring of water level trends and aquifer recharge. An inventory of existing wells in the CARA, particularly smaller domestic water supply wells, can be used to assess hazards from spills and contamination affecting municipal water supplies. An inventory of existing wells in the CARA can provide information for implementing a well abandonment program to prevent abandoned wells or open casings from causing contamination of groundwater supplies in the future.

**Fish and Wildlife Habitat Areas – LMC 14.154**

Code sections 14.154.010 through 14.154.090 contain provisions that are applicable to all Fish and Wildlife Habitat Areas. The city's habitat conservation areas regulations require some modifications to align with BAS and to clarify applicability and facilitate ease of use. The following subsections are suggestions for improving the level of Fish and Wildlife Habitat protection and general clarification of regulations to implement the plan.

**Exhibit G-10. Fish and wildlife habitat areas review summary.**

Code Section	Title	Review Comment / Recommendations*
14.154.010-14.154.090	Fish and Wildlife Habitat Areas	<ul style="list-style-type: none"> <li>Update title of chapter</li> <li>Update definition in 14.165</li> <li>Include designation and protection of waters of the State</li> </ul>
14.154.010	Purpose and intent	None
14.154.020	Designation of critical fish and wildlife habitat areas	<ul style="list-style-type: none"> <li>Provisions of this title apply to both public and private lands</li> <li>Add identification information consistent with WAC 365-190-030</li> <li>Update map resources</li> <li>Update identification consistency with WAC-365-190-130</li> <li>Include anadromous fisheries</li> </ul>
14.154.030	Habitat protection standards	<ul style="list-style-type: none"> <li>Add BAS to section B</li> <li>Expand on the sources and methods of identifying critical fish and wildlife habitat areas</li> </ul>
14.154.040	Title and plat notification	None
14.154.050	Habitat protection for rivers and streams	<ul style="list-style-type: none"> <li>Update stream protection buffers to ensure consistency with BAS</li> <li>Add language for “no-net-loss” of ecological function</li> </ul>
14.154.060	Habitat protection for lakes	<ul style="list-style-type: none"> <li>Update the buffer requirements for lakes that are urban in character</li> </ul>
14.154.070	Habitat protection ponds	<ul style="list-style-type: none"> <li>Add buffer requirements for naturally occurring ponds under 20-acres in size</li> </ul>
14.154.080	Provisions for priority Oregon white oak trees and woodlands	None
14.154.090	Provisions for fish and wildlife, habitat buffers, where required	None

\* See discussion of comments/recommendations in the subparts below this table.

*Fish and Wildlife Habitat Areas (LMC 14.154.010-14.154.090).*

- Update title of chapter.** Chapter 14.154 of the LMC is currently titled Fish and Wildlife Habitat Areas, the RCW 36.70A.030(6) references these areas as Fish and Wildlife Habitat Conservation Areas. For clarity, the city could consider revising the chapter title and applicable language throughout the chapter to be consistent with the title “Fish and Wildlife Habitat Conservation Areas.”
- Update definition in 14.165.** Concurrently with the update suggested in 5.1.1, we recommend updating the definition for “Fish and Wildlife Habitat Areas” in Section 14.165 to be consistent.
- Include designation and protection of waters of the State.** RCW 90.48.020 defines waters of the State, which include all surface waters, salt waters, groundwater, and all other water courses in Washington. Per WAC 365-190-1300(2) all waters of the state should be designated as fish and wildlife habitat conservation areas. The city should add a definition for “waters of the state” as well as designating them under this chapter.

*Designation of critical fish and wildlife habitat areas (LMC 14.154.020).*

- **The provisions of this title apply to both public and private lands.** Chapter 14.154 currently states that this chapter applies to proposed regulated activities within critical fish and wildlife habitat areas. To add clarity to the document, it is recommended that the city add language stating that this chapter applies to proposed regulated activities within critical fish and wildlife habitat areas on all public and private lands.
- **Add identification information consistent with WAC 365-190-030.** Section A of this chapter includes areas currently identified as critical fish and wildlife species and habitats are referenced by CFR and WAC sections. For consistency with WAC 365-190-030 these areas should include: rare or vulnerable ecological systems, communities, and habitat or habitat elements including seasonal ranges, breeding habitat, winter range, and movement corridors; and areas with high relative population density or species richness, in addition to locally important habitats and species. Language stating “and which, if altered, may reduce the likelihood that the species will maintain and reproduce persist over the long term” should be retained.
- **Update map resources.** The LMC references four resources for information on critical fish and wildlife habitat areas. This section lists both the Washington Department of Wildlife and the Washington Department of Fisheries. This section should be updated with the BAS as well as updating these two departments to the single entity of the Washington Department of Fish and Wildlife.
- **Update identification consistency with WAC-365-190-130.** Section B of this chapter should expand on the sources and methods of identifying critical fish and wildlife habitat areas as outlined in WAC-365-190-130(4)(a-i). WAC 365-190-130(4)(i) recommends sources and methods for protecting fish and wildlife habitat conservation areas, including salmonid habitat. BAS is available from the US Department of Fish and Wildlife Service, the State Recreation and Conservation Office, and the Puget Sound Partnership and the city should consider recommendations found in the regional and watershed specific salmon recovery plan (Governor's Salmon Recovery Office - Recreation and Conservation Office (wa.gov)).
- **Include anadromous fisheries.** RCW 36.70A.172(1) requires policies and regulations for protecting critical areas and gives special consideration to conservation or protection measures necessary to preserve or enhance anadromous fisheries. WAC 365-195-925 lists the criteria for this requirement and includes all five types of critical areas.

*Habitat Protection Standards (LMC 14.154.030).*

- **Add BAS to Section B.** Section B of this chapter references existing codes and policies, both state and local, that are used to implement Habitat Protection Standards. This list should include BAS as set forth in RCW 36.70A.172. in addition to the WDFW's Priority Habitat and Species webpage ([Priority Habitats and Species \(PHS\) | Washington Department of Fish & Wildlife](#)) as required by WAC 365-190-130 (4).
- **Expand on the sources and methods of identifying critical fish and wildlife habitat areas.** The city should consider listing publicly available resources to help applicants identify critical fish and wildlife habitat areas. At minimum the city should list the WDFW's Priority Habitat and Species

webpage ([Priority Habitats and Species \(PHS\) | Washington Department of Fish & Wildlife](#)) as required by WAC 365-190-130(4).

### *Habitat protection for rivers and streams (LMC 14.154.050).*

- **Update stream protection buffers to ensure consistency with BAS.** The current standards set forth in 14.154.050 for river and stream buffers have not been updated since 2015 (Ordinance No. 630). In 2020, the Washington Department of Fish and Wildlife (WDFW) came out with new guidance (Rentz et al. 2020) for protection of riparian areas that heavily emphasizes a shift in terminology from the concept of “stream buffers” to “riparian management zones” (RMZs). An RMZ is defined as “...a scientifically based description of the area adjacent to rivers and streams that has the potential to provide full function based on the SPTH [site potential tree height] conceptual framework.” This differs from the use of “buffer(s),” as an RMZ is by definition wide enough to potentially provide full riparian function. Stream buffers are established through policy decisions and are clearly intended to protect streams but may or may not be intended to provide full riparian function or a close approximation of it. The guidance recommends that a RMZ be delineated on a site-specific basis and be measured from the outer channel migration zone.

The city could consider requiring site specific RMZs, rather than set buffer widths. However, this approach is difficult to implement, and many jurisdictions are choosing to continue with set buffer widths, while taking into consideration the range of widths that the custom RMZ mapping would produce. The 200-foot set buffer width currently recommended for Type F streams is on the larger end of what is seen in many jurisdictions and should be adequate to protect most stream and stream buffer function.

- **Add language for “no-net-loss” of ecological function.** Section D of this chapter currently states that “new development shall not reduce the effective flood storage volume of the regulatory floodplain.” The current recommended language states that there shall be “no-net-loss of ecologic function.” This language should be added to this section per WAC 365-196-830(4).

### *Habitat protection for lakes (LMC 14.154.060).*

- **Regulated activities.** Regulated activities proposed on lakes that are urban in nature are currently exempt from buffering requirements of this chapter. However, the lakes in the City of Lakewood fall under the jurisdiction of the Shoreline Master Program. We recommend adding a clarifying statement to this section such as:

*All activities within 200 ft. of regulated shorelines are subject to the regulations in the Shoreline Master Program (SMP). Applicants should consult the Lakewood SMP for setback/buffer requirements.*

### *Habitat protection for ponds (LMC 14.154.070).*

- **Regulated activities.** Naturally occurring ponds under 20-acres and their submerged aquatic beds that provide fish or wildlife habitat are considered Fish and Wildlife Habitat Conservation Areas per WAC 365-190-130. The state code also states that “naturally occurring ponds do not include ponds deliberately designed and created from dry sites, such as canals, detention facilities, wastewater treatment facilities, farm ponds, temporary construction ponds (of less than three years duration)



and landscape amenities. However, naturally occurring ponds may include those artificial ponds intentionally created from dry areas to mitigate conversion of ponds, if permitted by a regulatory authority.” It is recommended that the city update this section to provide clear buffer requirements for ponds under 20-acres in size.

## Flood Hazard Areas – LMC 14.158

The existing Code includes restrictions on development within floodplains, which are outlined in LMC 18A.50 – Article 1. Flood Hazard Overlay (FHO). Existing regulations could be enhanced by providing specific critical area special study and/or habitat assessment requirements as detailed below.

### Exhibit G-11. Flood hazard areas review summary.

Code Section	Title	Review Comment / Recommendations*
14.158.010-14.158.030	Flood Hazard Areas	<ul style="list-style-type: none"> <li>Consider revising chapter title to “frequently flooded areas”, consistent with GMA language</li> <li>Specific critical area report requirements for floodplains not included—consider including</li> <li>Require a habitat assessment (FEMA Biological Opinion process) for development in the floodway or floodplain</li> </ul>
14.158.010	Purpose	<ul style="list-style-type: none"> <li>Consider updating this section to be consistent with referenced LMC 18A.50 (Article 1)</li> </ul>
14.158.020	Designation	<ul style="list-style-type: none"> <li>Consider adding links to FEMA resource maps</li> </ul>
14.158.030	Protection	None

### Flood Hazard Areas (LMC 14.158.010-14.158.030)

- Consider revising chapter title to “frequently flooded areas”.** RCW 36.70A.030 defines the five types of critical areas which are required to be protected, including “frequently flooded areas”. “Frequently flooded areas” are lands in the floodplain subject to at least a one percent or greater chance of flooding in any given year, or within areas subject to flooding due to high groundwater (WAC 365-190-030). Section 14.158.020 of the Flood Hazard Areas chapter specifies that the chapter applies to all “areas of special flood hazard”. A “Flood Hazard areas” definition is included in 14.165, which we recommend be updated to be consistent with the GMA definition in WAC 365-190-030. For clarity, the city could consider revising the chapter title and applicable language throughout the chapter to be consistent with the “frequently flooded area” term.
- Consider including critical area report requirements for frequently flooded areas.** The Flood Hazard Area chapter does not have a critical area report section specifying requirements for a critical area report specific to frequently flooded areas, nor does the linked Overlay District chapter (LMC 18A.50 – Article 1). The city should consider adding specific requirements for a floodplain critical area report or study to ensure no-net-loss of floodplain function.
- Require a habitat assessment (FEMA BiOp process) for development in the floodway or floodplain.** As a result of the 2008 National Marine Fisheries Service (NMFS) Biological Opinion

(BiOp) on the implementation of the National Flood Insurance Program (NFIP) in the Puget Sound region, the city is required to adopt one of the three following approaches (or “doors”) to managing development within the floodplain:

- Adopt the model ordinance;
- Develop floodplain regulations that protect floodplain functions on a programmatic basis; or
- Require the completion of a floodplain habitat assessment for any development within the floodplain. Habitat assessments must evaluate impacts to stormwater, floodplain capacity, and vegetative habitat.

It is our understanding that the city has not adopted the model ordinance (Door 1) nor has customized floodplain regulations that have been reviewed and approved by FEMA (Door 2), therefore Door 3 is the default requirement. Door 1, the model ordinance, would represent the most conservative approach to protecting floodplain functions, but it also would also be expected to be the most restrictive option in terms of future development and provide the least flexibility in implementation. Door 2 allows local jurisdictions to establish regulations that recognize local conditions and may incorporate programs that enhance floodplain functions into the evaluation of how floodplain functions are maintained. However, FEMA must approve any Door 2 approach before it is implemented. The timing to get approval for Door 2 depends on the approach and detail in the application submittal. If Door 3 is the desired approach, a regulation should be added to this section specifying when a habitat assessment is required and the minimum content requirements.

### *Purpose*

- **Consider updating section to be consistent with referenced LMC 18A.50 (Article 1).** The protection standards for “flood hazard areas” are listed in the city’s development regulations and Chapter 18A.50 of the LMC (Article 1). These standards list the purpose of that section, which mirrors the purpose listed in this section. For consistency as well as highlighting the importance of maintaining no-net-loss standards (pursuant to WAC 365-196-830), recommend updating this section to match LMC 18A.50.010(A)-(L).

### *Designation*

- **Consider adding links to FEMA resource maps.** The designation of flood hazard areas is identified by the Federal Insurance Administration in a report entitled “The Flood Insurance Study for Pierce County and Incorporated Areas” dated March 7, 2017. We understand that the city will update the designated flood hazard areas upon receiving revisions to this report, however we recommend referencing the FEMA floodplain map as an additional resource. The FEMA online floodplain map is updated regularly and is considered a resource for incorporating best available science into local regulations.

## **Wetlands Areas – LMC 14.162**

The wetland sections are extensive, but they could be updated to be consistent with BAS related to habitat score ranges, buffer functionality and mitigation sequencing.

**Exhibit G-12. Wetlands areas review summary.**

Code Section	Title	Review Comment / Recommendations*
14.162.070	Delineation, and wetland analysis requirements	<ul style="list-style-type: none"> <li>▪ Update Critical Areas Atlas to include BAS resources</li> <li>▪ Consider establishing a requirement for a qualified wetland professional to complete any needed wetland report</li> <li>▪ Consider listing requirements of a wetland analysis report</li> </ul>
14.152-080	Protection standards – Establishing buffers	<ul style="list-style-type: none"> <li>▪ Update habitat score ranges to reflect Ecology recommendations</li> <li>▪ Consider adding provision to end buffer where there is a functional disconnection</li> <li>▪ Protection of wetland buffer widths</li> </ul>
14.162.100	Mitigation	<ul style="list-style-type: none"> <li>▪ Update mitigation ratio table to reflect Ecology recommendations</li> <li>▪ Add additional information for required mitigation steps</li> </ul>

*Delineation, and Wetland Analysis Requirements*

- **Update Critical Areas Atlas to include BAS resources.** LMC 14.162.070(A) refers to a Critical Area Atlas which is a city Wetland Inventory map which provides an indication of where potential wetlands are located within the county. This resource does not include the source of its information; therefore, it is unknown if it is incorporating BAS as a part of its designation. We recommend either 1) listing resources utilized to create the Critical Areas Atlas and how often it is updated with assurances that BAS is used during the review process; or 2) switching to listed public resources which use BAS and are updating frequently (for example the National Wetland Inventory, Web Soil Survey, WDFW PHS, etc.).
- **Consider establishing a requirement for a qualified wetland professional to complete any needed wetland report.** When a wetland analysis report is required by the Department, we recommend listing a requirement which states that such reports must be completed by a qualified professional. Wetlands are complex ecosystems, and to be delineated/classified accurately requires extensive training and experience. The city can refer to the Pierce County approved consultant list or outline specific requirements for certifications and experience.
- **Consider listing requirements for a wetland analysis report.** The city currently has two wetland reports listed in LMC 14.165 – Wetland Verification Report and Wetland Analysis Report. However, neither section lists the requirements for said reports. The city should consider outlining requirements for each report, including (but not limited to) wetland delineation and rating documentation required by the methods referenced in 14.162.020 and 14.162.030, specifically wetland data sheets, and Ecology 2014 rating form(s) and figures.

*Protection Standards – Establishing Buffers*

- **Update habitat score ranges to reflect Ecology recommendations.** Effective wetland buffer widths vary depending on the targeted wetland functions, intensity of surrounding land use, and buffer characteristics. The Code’s existing buffer widths are based on wetland category and habitat score. In July of 2018 Ecology released updated guidance modifying the habitat ranges in their

wetland buffer tables (Granger, 2018). In previous Ecology wetland buffer tables, low habitat function was represented by a habitat score of 3 or 4 points and moderate habitat function by a score of 5 to 7 points. The new guidance re-categorizes a habitat score of 5 as part of the low category. Using the Code’s existing buffer system, this change would result in a reduction in the buffer width for wetlands with a habitat score of 5. Therefore, the habitat score ranges and buffer widths used in the current buffer system must be updated to match the revised Ecology guidance. The buffer width table in the current Code, updated to reflect the July 2018 Ecology guidance, is shown below.

**Exhibit G-13. Current wetland buffer table, updated with July 2018 Ecology changes.**

Wetland Category <sup>1</sup>	Buffer Width according to Habitat Score <sup>1</sup>		
<b>Category I:</b> Based on total score	75 ft	110 ft	225 ft
<b>Category I:</b> Bogs and wetlands with a High Conservation Value	190 ft		225
<b>Category I:</b> Coastal lagoons	150 ft (buffer with not based on habitat scores)		
<b>Category I:</b> Interdunal	225 ft (buffer width not based on habitat scores)		
<b>Category I:</b> Forested	75 ft	110 ft	225 ft
<b>Category I:</b> Estuarine	150 ft (buffer with not based on habitat scores)		
<b>Category II:</b> Based on score	75 ft	165 ft	225 ft
<b>Category II:</b> Interdunal wetlands	110 ft (buffer width not based on habitat scores)		
<b>Category II:</b> Estuarine	110 ft (buffer width not based on habitat scores)		
<b>Category III</b> (all)	60 ft	165 ft	225 ft
<b>Category IV</b>		40 ft	

The current buffer system, when updated to reflect the change in habitat score ranges, will be aligned with BAS. The current code also mandates that for any project that does not employ the mitigation measures listed in table 14.2, a 33% buffer width increase will be required. This multi-tiered approach helps to ensure no-net-loss of wetland functions.

- **Consider adding provision to end buffer where there is a functional disconnection.** Areas that are disconnected from the wetland by a permanent road or other substantially developed surface often do not provide significant buffer function. The city could consider adding a provision that the edge of an improved right-of-way or similar infrastructure of a linear nature shall be considered the extent of the buffer, if the part of the critical area buffer on the other side of the infrastructure provides insignificant function in relation to the part of the buffer adjacent to the wetland, unless the infrastructure can be feasibly removed, relocated or restored to provide buffer functions. Such functional analysis should be included in the critical areas report.

*Mitigation*

- **Update mitigation ratios to reflect Ecology recommendations.** Ecology’s recent publication Wetland Guidance for Critical Areas Ordinance (CAO) Updates dated October 2022 (Shorelands and Environmental Assistance Program, 2022) outlines additional research for mitigation practices.

These updates include new recommended mitigation ratios. We recommend that you update the mitigation ratios located in LMC 14.162.100 (B)(3) to reflect Ecology's recommended ratios. The mitigation ratio table in the current Code, updated with Ecology's 2022 guidance is shown below.

**Exhibit G-14. Current wetland mitigation ratio, updated with 2022 Ecology guidance.**

Category and Type of Wetland	Creation or Reestablishment	Rehabilitation	Preservation	Enhancement
Category I: Mature forested	6:1	12:1	24:1	16:1
Category I: Based on functions	4:1	8:1	16:1	16:1
Category II	3:1	6:1	12:1	12:1
Category III	2:1	4:1	8:1	8:1
Category IV	1.5:1	3:1	6:1	6:1

# H Parks, Recreation, and Open Space

## H.1 Introduction

In 1996, the citizens wanting to create Lakewood voted to incorporate in part to establish greater local control over parks and recreation. In its adopted 2021 Vision for Lakewood at its 30th Anniversary of incorporation, the City Council included that the city should be “characterized by the beauty of its lakes, parks and natural environment.”

Parks are also a focus of the City Council's 2021-2024 Strategic Plan, which includes the following goal:

**GOAL: The City of Lakewood provides safe, clean, well-maintained, and dependable infrastructure.**

- 2.1 *Implement capital infrastructure projects to improve transportation, park, and utility systems.*
- 2.2 *Invest in preventative maintenance of facilities, parks, and streets to protect City assets.*
- 2.3 *Advance infrastructure projects that enhance the City's identity and diversity.*
- 2.4 *Increase connectivity and accessibility.*

The City Council's Strategic Plan also directs that the city advocate for increased parks infrastructure funding.

The Parks Legacy Plan and Parks Capital Improvement Plan both help to implement the City Council's Strategic Plan. They are included as separate attachments to the Comprehensive Plan

## H.2 Parks, Recreation, and Open Space in Lakewood

The Lakewood area parks developed as part of unincorporated Pierce County's regionally focused parks and recreation system. In the 1970's and 1980's, extensive residential growth occurred in Lakewood without concurrent attention to green spaces and recreational needs. Many neighborhoods had no parks or other such amenities. Further, park areas were in stages of disrepair due to years of deferred maintenance and limited capital improvements. Upon the city's incorporation in 1996, less than 40 acres of parkland and facilities were transferred to the city by other public agencies.

Lakewood adopted its first Parks and Recreation Master Plan in 1998, which included the following priorities:



- Acquisition of future park and open space sites;
- Upgrading existing parks sites; and
- Preservation of natural open space.

The city immediately began investing in parks and recreation to meet community needs, including new park facilities, sports fields, playground structures, irrigation systems and turf areas, new restrooms and shelters, and various recreation programs and community events.

In September 2005, Lakewood adopted a new Parks and Recreation Master Plan. To implement it, the Parks, Recreation and Community Services Department (PRCS) expanded the recreation division, developed new community partnerships, created new citizen advisory boards, added three new parks, a new senior activity center and made system-wide park improvements to better serve Lakewood residents.

Beginning in 2011, a 20-year sustainable park and recreation master plan document was created over a three-year period with extensive public engagement. This work culminated in the 2014 Parks Legacy Plan, which was designed to meet the State of Washington's requirement for a six-year parks, recreation, and open space plan.

In 2019, the city began a two-year update to the Parks Legacy Plan that included a multi-pronged outreach and engagement plan, as well as a detailed demand and need analysis. The demand and need analysis included a review of existing environments, demographic trends, park and recreation trends, and input received from the community at public engagement efforts. For the needs analysis, the city performed gap analyses using the plan's LOS measurements: a watershed measurement and a quality and diversity assessment, known as the Park Amenity Condition Assessment. The Parks Legacy Plan update was adopted in 2020.

As of 2023, the City of Lakewood manages and maintains 14 parks and open space sites in a variety of sizes and uses that total over 600 acres. Significant investments in parks over the years include:

- Americans with Disabilities Act (ADA) compliant access and waterfront upgrades to American Lake Park;
- Springbrook Park playground upgrades; and
- Harry Todd Park playground and waterfront upgrades.

In 2024, the city is working toward the creation of one or more Downtown parks as well as partnering with Camp Murray to collaborate on a strategy to improve the America Lake park boat launch and public access. ARPA funds have also been allocated to improvements at Edgewater Park.

The Parks Legacy Plan's goals and priorities are incorporated into the Lakewood Comprehensive Plan PROS Element. The Legacy Plan's inventory, implementation strategies, and capital facilities planning are also incorporated in this reference.

## H.3 Analysis of Park Land and Facilities Needs

PROS capital expenditures are included in the Comprehensive Plan Capital Facilities Plan Element materials in the Appendix.

## H.4 Intergovernmental Coordination Opportunities

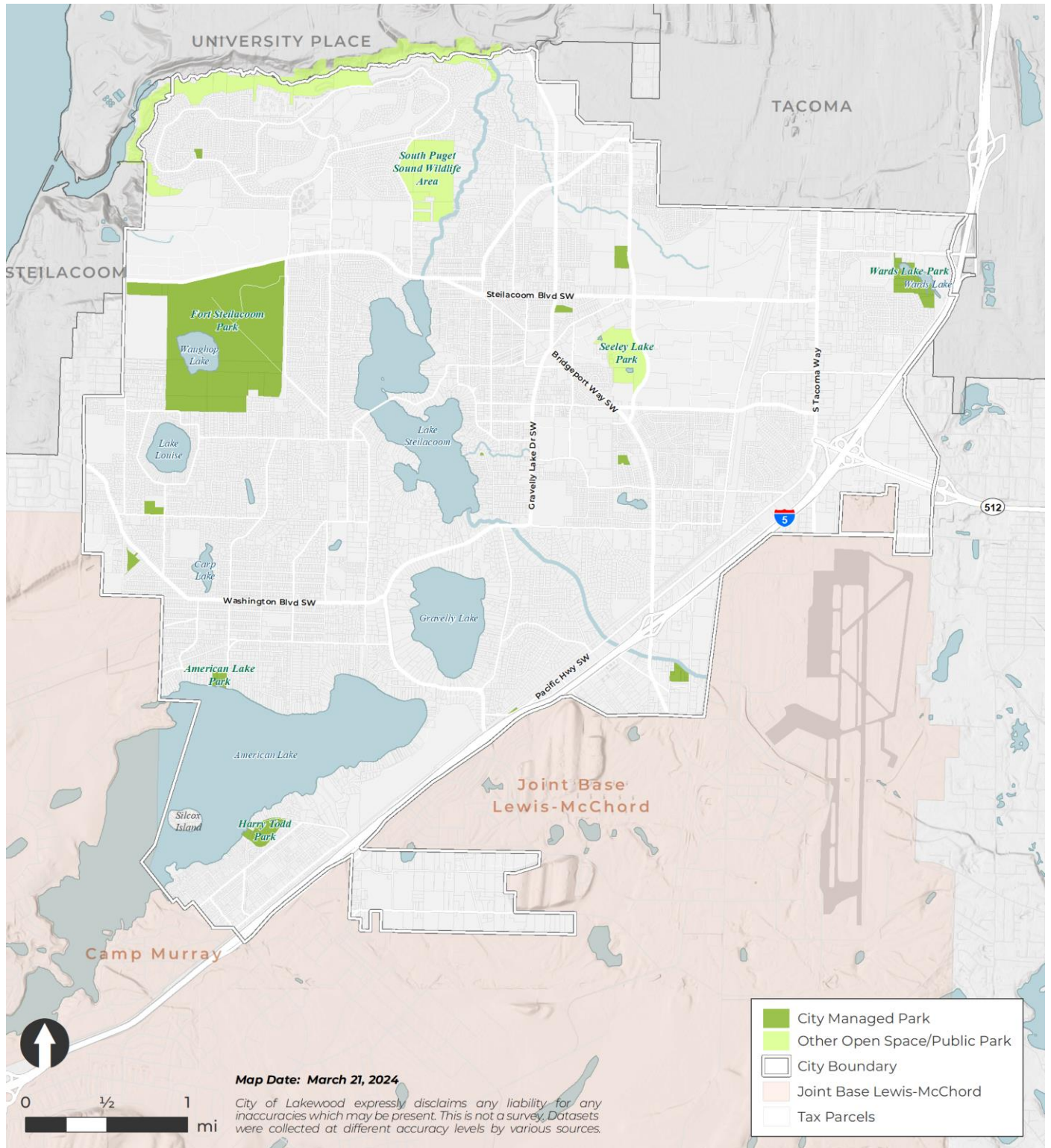
Currently, PRCS collaborates with close to 100 partners, including public, private, and non-profit agencies. These collaborations help manage or develop park resources, plan programs and events, deliver activities, market programs, or share the use of facilities or program space.

For park development and management, the department has successfully partnered with public agencies, including the County and the State to operate Fort Steilacoom Park. The city has an interlocal agreement with Clover Park School District to develop and operate a neighborhood-school park at Lake Louise Elementary School.

On the programming side, PRCS works with many agencies, including the CPSD, Pierce College, Pierce County, and roughly 40 non-profit and local interest groups. Over 30 private organizations provide sponsorship and assist in joint marketing programs. Pierce County, Lakewood, and the city of University Place have also entered into an interlocal agreement for the development of Chambers Creek Trail.

Volunteers are also important. Their contribution to overall PROS operations is significant. Volunteers assist with dog park monitoring, are used as senior ambassadors, and perform invasive plant removal and general park maintenance.

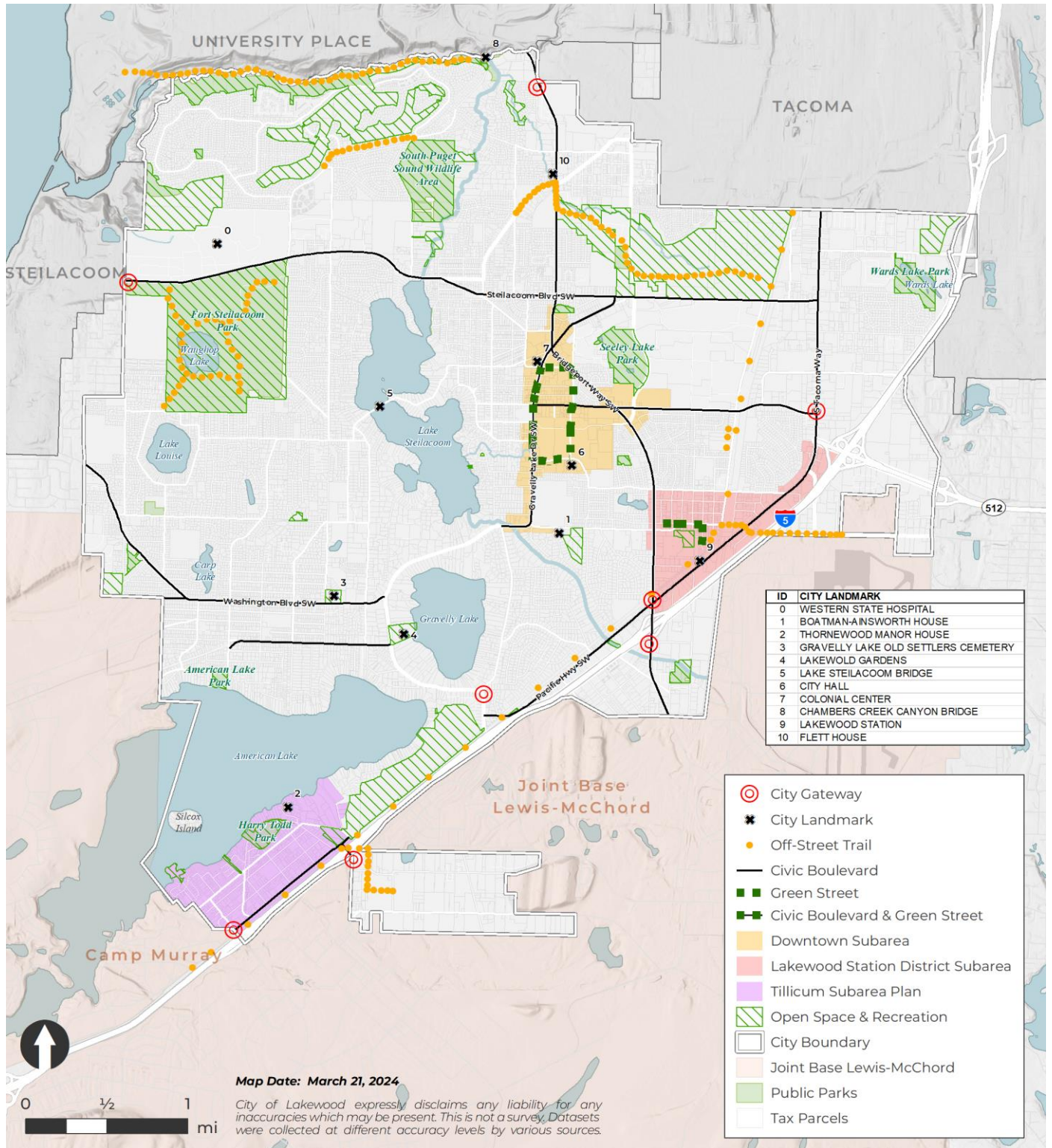
Exhibit H-1. Lakewood Public Parks and Open Spaces.



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



Exhibit H-2. Lakewood Community Facilities and Recreation.



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.

# I Public Services

## I.1 Introduction

The Public Services Element is optional under the GMA but is a key tool for Lakewood given its relationships with many partner agencies, utilities, and private entities that provide urban and human services to the city. It contains goals and policies intended to set the stage for cooperative land use and human services planning for everyone member of the community.

## I.2 Public Services Summary

Since incorporation, the provision of some public services has been by Lakewood, with other services contracted to other districts and institutions. The table below provides information on the services that either the city, other public or private utilities, public agencies, or private companies provide.

**Exhibit I-1. Public Service Providers in Lakewood.**

Public Service	Provider
<b>General Administrative Services</b>	City of Lakewood
<b>Police</b>	City of Lakewood
<b>Public Works</b>	City of Lakewood
<b>Stormwater</b>	City of Lakewood
<b>Refuse/Solid Waste</b>	Waste Connections
<b>Fire Protection</b>	WPFR
<b>Emergency Medical Services (EMS)</b>	WPFR
<b>Emergency Management</b>	City of Lakewood
<b>Health &amp; Human Services</b>	City of Lakewood
<b>Housing and Community Development Programs</b>	Tacoma/Lakewood HOME/CDBG Consortium
<b>Schools</b>	Clover Park School District, Pierce College, Clover Park Technical College, and private schools
<b>Library Services</b>	Pierce County Library District

This element concentrates on the following services:

- Fire protection;
- Emergency medical services;
- Police;
- Emergency management;
- Schools and higher education;
- Library services;
- Health and human services; and
- Housing and community development programs.

The Utilities Element and the Capital Facilities and Essential Public Facilities Element (as well as others) also address services identified in the table above.

The city recognizes the importance of coordinated planning for these services with its GMA planning. This will ensure that the city's plans and growth targets inform, and are informed by, public service providers' planning and growth assumptions.

This planning coordination is particularly important for both K-12 and post-secondary education entities, whose enrollment numbers, student populations, and sometimes even course emphases are strongly tied to local growth, but where "disconnects" can easily occur without intentional coordination. This element interrelates Lakewood's Comprehensive Plan to the functions of Clover Park School District, Pierce College, Clover Park Technical College, and the Pierce County Library System.

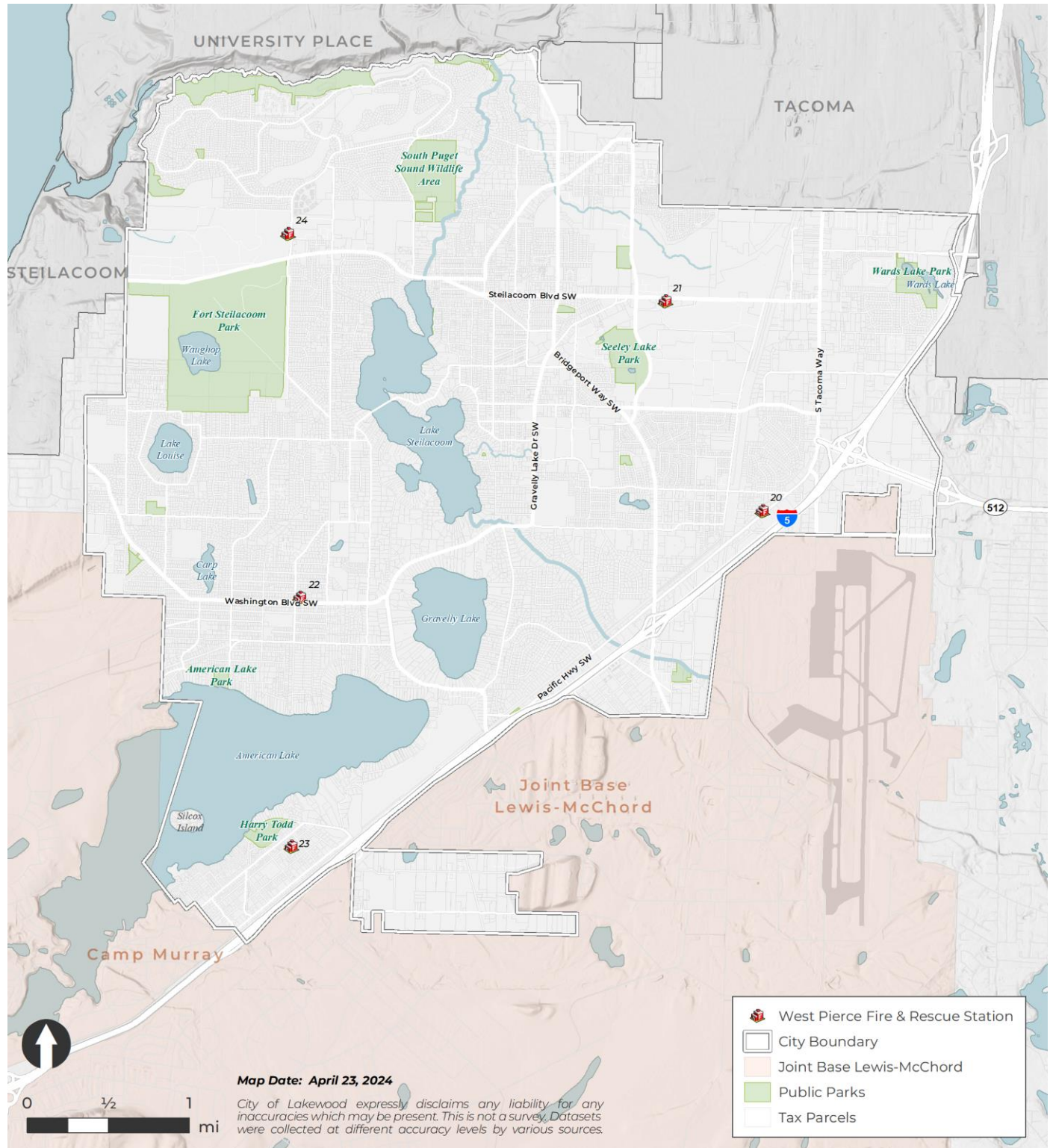
In setting goals and policies related to human services, this element also sets forth the city's commitment to its citizens' well-being through active participation with countywide and regional partners. Lakewood joins, values, and supports community-based strategic planning efforts for health and human services.

The following maps highlight major facilities for different service providers:

- Exhibit I-2 highlights the WPFRR stations in Lakewood, which are the primary provider of fire and emergency medical services.
- Exhibit I-3 shows the locations of schools in Lakewood, including both public and private institutions.

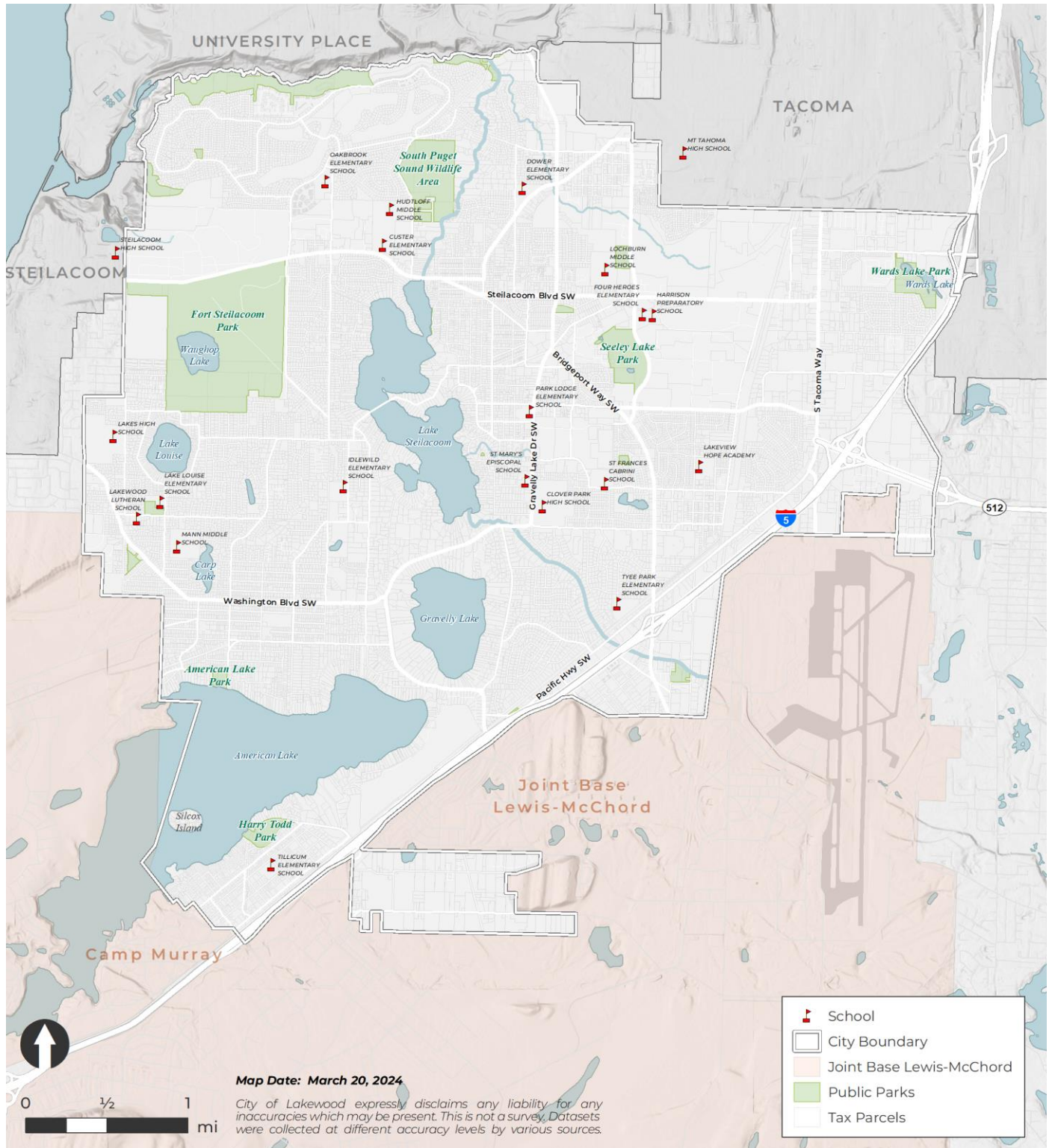


Exhibit I-2. Lakewood West Pierce Fire and Rescue Stations.



Source: City of Lakewood, 2024; West Pierce Fire & Rescue, 2024; Pierce County GIS, 2024.

Exhibit I-3. Lakewood Schools.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.



# J Transportation

## J.1 Introduction

The content in this Transportation Element is consistent with state law, regional and countywide policies, and other elements of the Lakewood Comprehensive Plan, and will positively contribute to the region's transportation system over time. Transportation planning in Lakewood must consider several major trends that will impact traffic patterns into the future:

- **Expected future growth.** Lakewood is planning for 9,378 more housing units, 574 emergency housing units, and 9,863 new jobs by 2044. This municipal growth, coupled with projected countywide and regional growth, will require Lakewood to plan creatively and efficiently for sufficient motorized and non-motorized ("active") community transportation systems. The 2024 Transportation Element updates are also due to recent changes in the GMA requiring cities to plan to accommodate specific numbers of housing units affordable to different income levels.
- **Proximity to major transportation corridors.** Lakewood is transected by Interstate 5 (I-5) and is immediately adjacent to State Highway 512 (Hwy 512), both major transportation corridors that will be more congested over the next 20 years. This will increase pressures on the city's main transportation corridors over time as travelers seek alternative routes when construction projects and/or natural disasters shut down highways for any length of time.
- **Parking supplies.** Public parking primarily exists in surface parking lots to support commercial, office, light industrial, and multi-family residential areas. There is an abundant supply of parking in most of these areas. While adequate parking is critical to any type of development, an oversupply of parking wastes resources and encourages a continuation of auto-oriented travel. Therefore, the city's parking goals and policies balance these two conflicting outcomes.
- **Expanded development capacity in residential areas.** The 2023 GMA requirements to allow for up to four middle housing units and at least two accessory dwelling units per lot in historically single-family areas will also require the city to proactively prepare for the resulting increased traffic and parking pressures in residential areas, particularly since much of these areas are not located close to transit options.
- **Climate change and resiliency.** 2023 changes to the GMA also require the city to also plan for climate change and resiliency, which will affect the Transportation Element through 2034 and beyond. In 2024, the Transportation Element is reflecting work done to date in preparation of more in-depth climate-related updates by 2029.

## J.2 Overview of the System

In its 2023–2024 Strategic Plan, the City Council identified transportation projects as high priorities and adopted a goal to “provide safe, clean, well-maintained, and dependable infrastructure” with the following specific objectives:

- Implement capital infrastructure projects to improve transportation, park, and utility systems;
- Invest in preventative maintenance of facilities, parks, and streets to protect city assets;
- Advance infrastructure projects that enhance the city’s identity and diversity;
- Increase connectivity and accessibility.

The Council also adopted an Objective to “advocate for increased transportation and parks infrastructure funding.”

The goals and policies contained in the Transportation Element are informed by the City Council’s 2021–2024 Strategic Plan. They also reflect technical information from the 2015 Transportation Background Report and 2024 supplements to that report (see Appendix). The 2009 Transportation Background Report and the 2018 Downtown Subarea Plan Transportation Report provided information on existing transportation facilities, travel forecast data, transportation system plans, LOS, and options for implementation.

The Transportation Element addresses the connection between transportation and land use; establishes means to increase travel options; describes desirable characteristics of transportation facilities’ design and operation; and addresses connectivity, access, traffic management, maintenance, and amenities for transportation improvements. The general principles underlying this Element include:

- Promote safe, efficient, and convenient access to transportation systems for all people.
- Recognize transit, bicycling, and walking as fundamental modes of transportation of equal importance compared to driving when making transportation decisions.
- Create a transportation system that contributes to quality of life and civic identity in Lakewood.
- Reduce mobile source emissions to improve air quality.
- Integrate transportation-oriented uses and facilities with land uses in a way that supports the city’s land use as well as transportation goals.
- Increase mobility options by actions that diminish dependency on SOVs.
- Focus on the movement of both people and goods.

There are several issues and realities affecting transportation planning and implementation in Lakewood:

- **Physical Features.** Natural obstacles, especially American Lake, Gravelly Lake, and Lake Steilacoom, constrict traffic flow options between the east and west halves of the city to a few arterial connections.
- **Existing Patterns.** Pre-incorporation, Lakewood’s street network evolved in a pattern where few principal roadways connect a network largely composed of otherwise unconnected cul-de-sacs.

Because of the city's geographic location, presence of natural features, and adjacent military installations, I-5, and SR 512 form primary connections with the rest of the region.

- **Alternative Transportation Modes.** There are few realistic alternatives to driving for most people in Lakewood. The city's current bicycle and pedestrian network does not provide safe links to all commercial areas, schools, community facilities, and residential neighborhoods. Alternative motorized modes include local and regional transit connections provided by Pierce Transit, Intercity Transit, and Sound Transit systems will improve connectivity as commuter rail and BRT service is established.

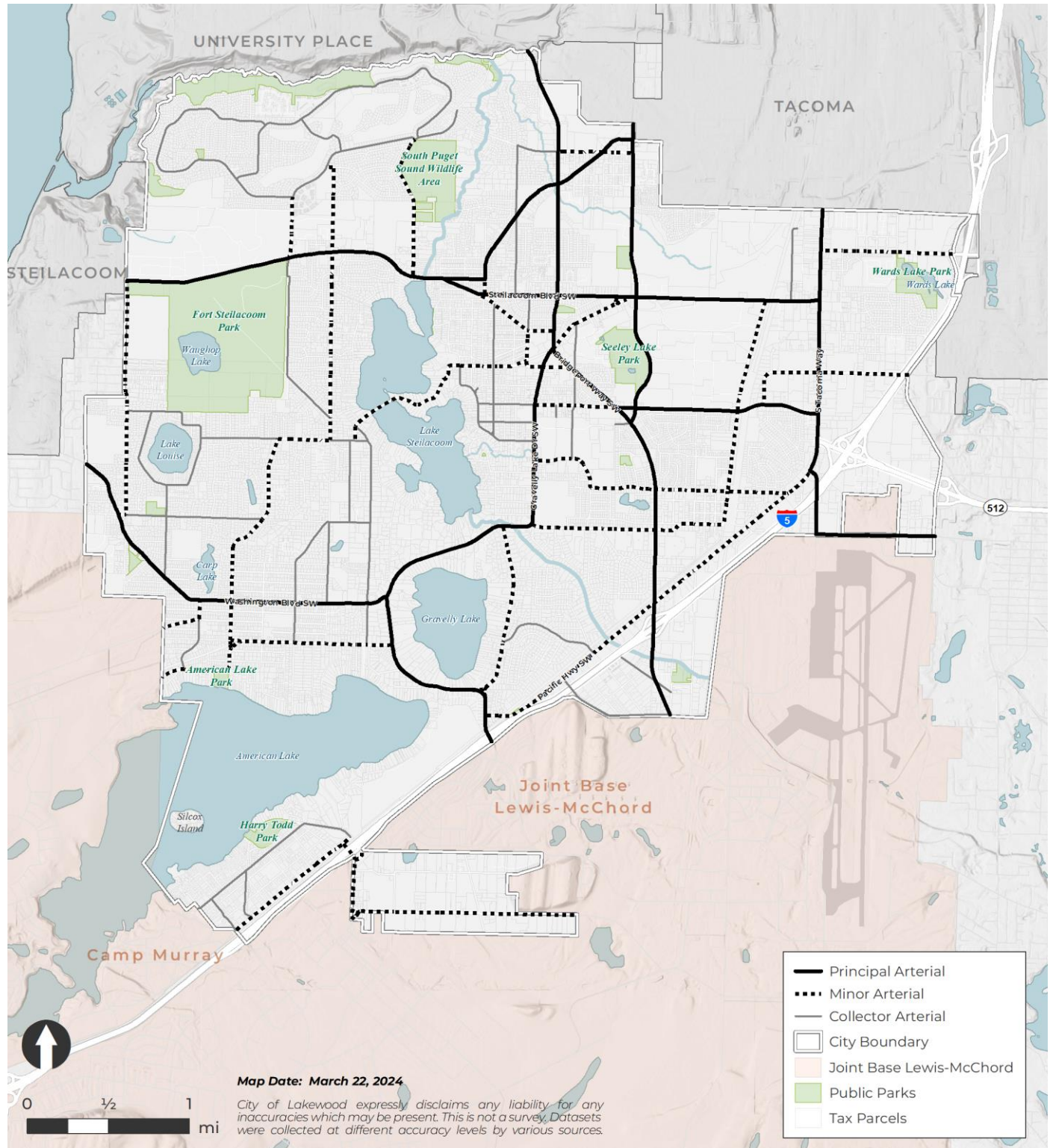
## J.3 Street Classifications

For the purposes of managing the city's street network, the streets in the city can be classified as follows:

- **Principal arterials** (major arterials) are roadways that provide access to principal centers of activity. These roadways serve as corridors between principal suburban centers, larger communities, and between major trip generators inside and outside the plan area. Service to abutting land is subordinate to travel service to major traffic movements. The principal transportation corridors within the City of Lakewood are principal arterials. These roadways typically have daily volumes of 15,000 vehicles or more.
- **Minor arterials** (minor arterials) are intra-community roadways connecting community centers with principal arterials. They provide service to medium-size trip generators, such as commercial developments, high schools and some junior high/grade schools, warehousing areas, active parks and ballfields, and other land uses with similar trip generation potential. These roadways place more emphasis on land access than do principal arterials and offer lower traffic mobility. In general, minor arterials serve trips of moderate length, and have volumes of 5,000 to 20,000 vehicles per day.
- **Collector arterials** (minor arterials) connect residential neighborhoods with smaller community centers and facilities as well as provide access to the minor and principal arterial system. These roadways provide both land access and traffic circulation within these neighborhoods and facilities. Collector arterials typically have volumes of 2,000 to 8,000 vehicles per day.
- **Local access roads** (access streets) include all non-arterial public city roads used for providing direct access to individual residential or commercial properties. Service to through traffic movement usually is deliberately discouraged. This also includes private access roads.

The definition of the streets in Lakewood as part of these categories is provided in Exhibit J-1.

Exhibit J-1. Lakewood Street Classifications.



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



## J.4 Road Network Levels of Service

With respect to the road network in Lakewood, the target LOS thresholds for the system are established as shown in Exhibit J-2:

**Exhibit J-2. LOS Standards for Lakewood Streets.**

Area/Facility	LOS Threshold	Volume/Capacity (VC Ratio)
<b>All arterial streets and intersections in the city, including state highways of statewide significance except as otherwise identified</b>	<b>LOS D</b>	<b>0.90</b>
<ul style="list-style-type: none"> <li>▪ Steilacoom Boulevard corridor between 88th Street SW and 83rd Avenue SW</li> </ul>	LOS F	1.10
<ul style="list-style-type: none"> <li>▪ Gravelly Lake Drive, between 1-5 and Washington Boulevard SW</li> <li>▪ Washington Boulevard SW, west of Gravelly Lake Drive</li> </ul>	LOS F	1.30

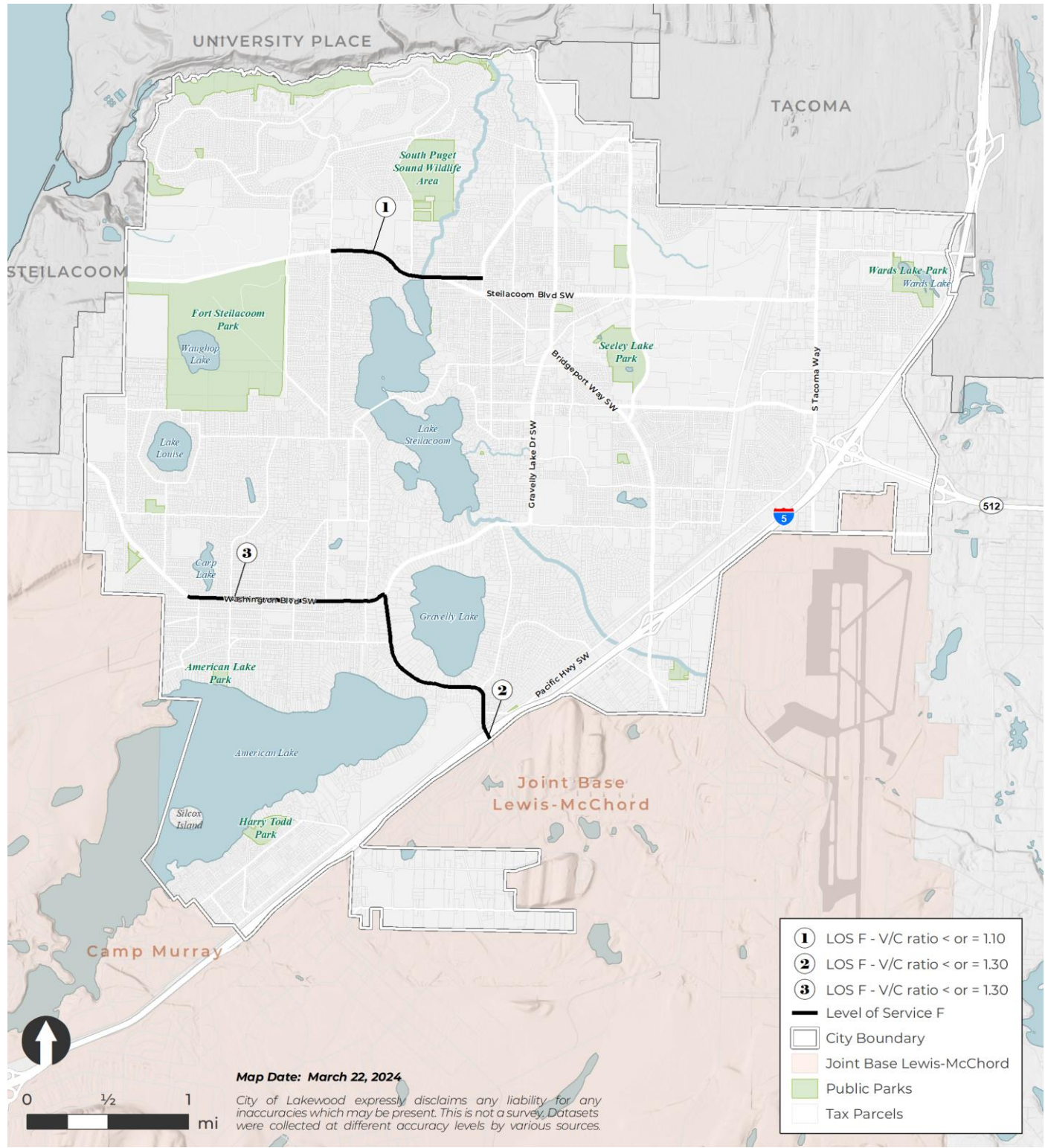
The specific corridors with thresholds of LOS F are also denoted in Exhibit J-3. Note that the city may allow additional two-way and one-way stop-controlled intersections to operate worse than the LOS standards, but these instances should be thoroughly analyzed from an operational and safety perspective.

## J.5 Recent Trends

An audit of the city’s transportation system offers a detailed assessment of likely traffic patterns projected forward to 2044, evaluating how shifts in demographics and land use will impact transportation patterns and infrastructure needs.

Overall, the future focus of growth is expected to be in the Downtown/Central Business District and the Lakewood Station Subarea, which are anticipated to experience the most significant growth in terms of both housing and employment. Overall, growth projections from the audit also suggest that household and employment growth will occur in the rest of the city, but the concentration of this growth in specific urban centers will align with Lakewood's strategic objectives to boost density in these areas and support a more sustainable urban development model that could reduce reliance on vehicular traffic and promote public and non-motorized transport.

Exhibit J-3. Lakewood Arterials Allowing LOS F Thresholds.



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.

It is expected under transportation modeling conducted that there will be significant changes in vehicle miles traveled (VMT) and travel patterns as a response to anticipated development. Under current growth assumptions without changes to the transportation system, there are several segments of that are expected to exceed LOS D:

- Pacific Highway SW (north of 108th St SW NB/EB)
- South Tacoma Way (north of 84th St SW SB/WB, north of 100th St SW NB/EB, south of SR-512 NB/EB)
- Steilacoom Blvd SW (west of Phillips Rd SW SB/WB, east of Phillips Rd SB/WB)
- Washington Blvd SW (west of Gravelly Lake Dr SW SB/WB)

These areas are expected to achieve LOS E without additional transportation improvements, with the segment of Steilacoom Blvd SW west of Phillips Rd SW SB/WB reaching LOS F.

Overall, historical traffic data analyzed from 2013 to 2022 also indicates a decline in traffic volumes on local streets, suggesting a shift in transportation preferences among Lakewood residents. This trend towards reduced vehicle usage, possibly accelerated by the adoption of remote work and digital services, suggests a potential for lower-than-anticipated future traffic growth rates. These findings reinforce the need for flexible, adaptive strategies in transportation planning to accommodate future shifts in travel behavior in Lakewood.

Employment within the city is suggested to be a continuing driver for traffic in the city. City employment has grown by an average of 2.2% per year since 2012 and meeting the CPP target of 39,735 jobs in the city by 2044 will necessitate an average growth in employment of about 1.8% per year over the next two decades. This employment growth will promote further urban development and densification, driving the need for robust transportation solutions that can support increased commuter flows without exacerbating congestion.

With respect to future transportation planning, the expected demographic and economic growth in key urban centers will need thoughtful, strategic planning to ensure that transportation infrastructure keeps pace with development. The focus on enhancing sustainable and efficient transportation options will be crucial in managing the environmental impact and improving the quality of life for Lakewood's residents.

## J.6 Multimodal Transportation

In addition to the road network, other transportation systems should also be defined in terms of the levels of service they provide to the community.

### J.6.1 Non-Motorized Transportation

#### Overview

The 2023 Non-Motorized Transportation Plan (NMTP) revisited and expanded upon the city's original 2009 plan by assessing the advancements made in Lakewood's non-motorized infrastructure and outlining future projects to address remaining gaps in the pedestrian and bicycle systems. The update process involved gathering community input, revising existing infrastructure records, and utilizing GIS data for spatial analysis to prioritize improvements.

The NMTP includes several key components to support this planning effort:

- **Project outreach.** The city coordinated a ten-question online survey to confirm that the projects and priorities identified within the plan reflect the desires of those who live, work, or visit Lakewood. The 205 responses received by the city provided a clearer understanding of the priorities of potential users of these systems, with the greatest focus on expanding available connections, with the greatest focus on new and better sidewalks in the system.
- **Inventory of existing facilities.** An inventory of existing sidewalk/pedestrian and bicycling facilities is included in the NMTP, which is based on the earlier inventory conducted as part of the 2009 NMTP and updated to account for projects coordinated since the earlier version was completed. Note that with respect to the pedestrian/sidewalk planning, this will be supplemented by an upcoming Transition Plan to comply with the city's obligations under the Americans with Disabilities Act (ADA).
- **Prioritization of pedestrian projects.** The NMTP includes a Pedestrian Priority Index (PPI), a scoring system intended to prioritize future pedestrian improvement projects based on accessibility and need. The PPI evaluates various factors, including proximity to important trip generators like schools, parks, and transit stops; socioeconomic factors such as areas with lower-income or mobility-impaired residents; and the condition of existing pedestrian infrastructure. Each factor is assigned a point value, and the final point values are used to compare different projects to ensure that improvements are made where they are most needed. (Note that bicycle infrastructure is only provided as a complete list with no prioritization system included.)

Based on this work, there are several recommended measures identified in the NMTP. In addition to comprehensive updates of the six-year Transportation Improvement Program (TIP) to reflect these priorities, the Plan included the following recommendations:

- **Project programming, coordination, and development.** The city should work with neighboring cities, regional transportation agencies, school districts, and neighborhood associations to prioritize and coordinate non-motorized transportation projects. This includes defining comprehensive corridor projects, complementing long-range street projects with non-motorized improvements, and coordinating identified actions with state highway and transit improvements.

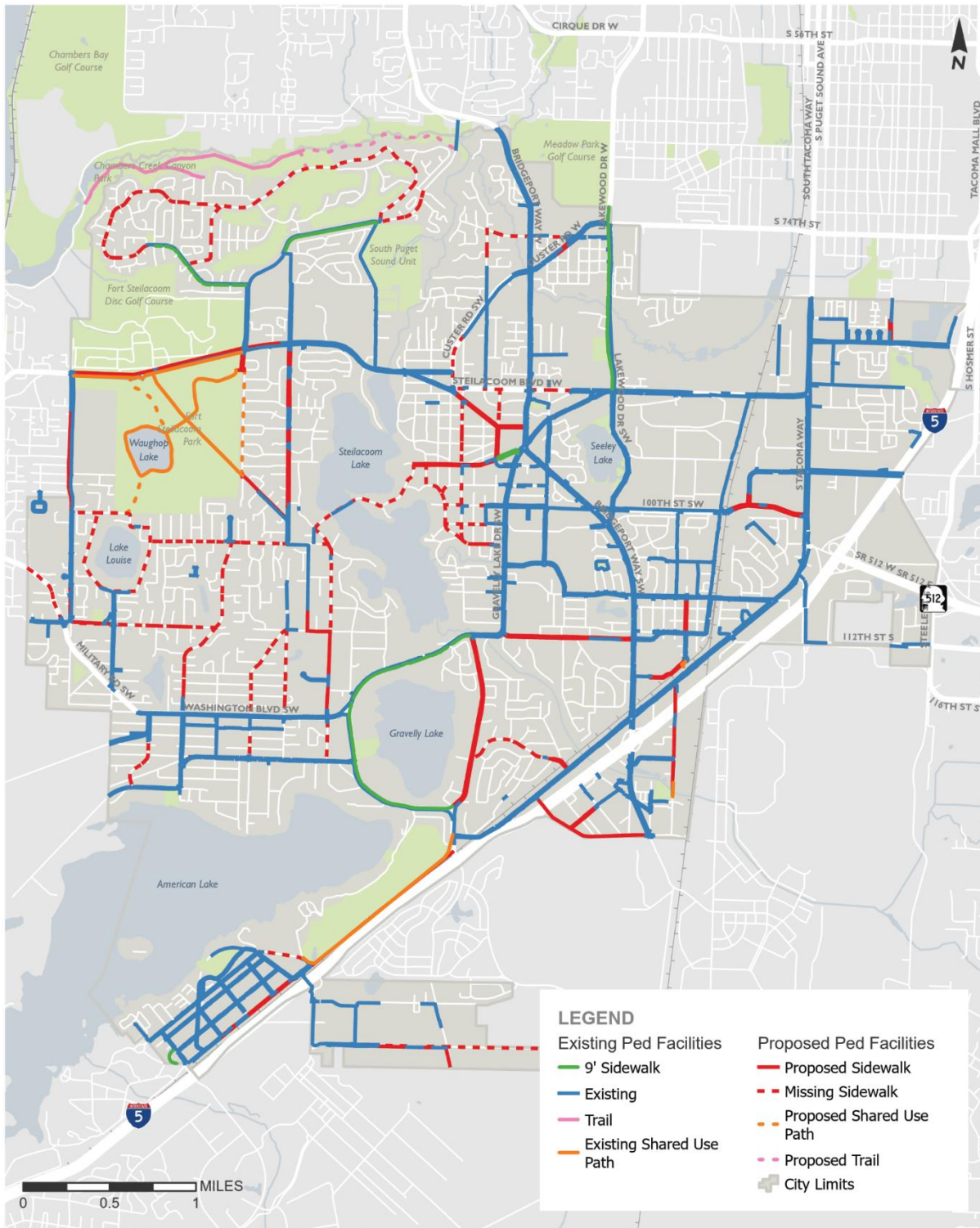
- **Database maintenance.** The city should periodically update asset management information in its GIS database to reflect changes to pedestrian and bicycle infrastructure. These updates may be made individually, or as a comprehensive regular update.
- **WSDOT coordination on I-5 facilities.** The city should encourage the Washington State Department of Transportation (WSDOT) to assess pedestrian and bicycle facilities at I-5 interchanges and overcrossings within the city. This effort should be focused on ensuring ADA compliance as well as integrating current and future pedestrian and bicycle facilities into planned upgrades or replacements.
- **Neighborhood traffic management.** The city should continue implementing its Neighborhood Traffic Management Program to address local traffic and safety concerns and integrate considerations from the NMTP into this ongoing effort. This can involve both Phase I operational traffic control measures such as speed radar devices and targeted enforcement, as well as Phase II physical devices like speed humps and traffic circles. Ongoing coordination will be essential to ensure that non-motorized transportation is safe and attractive to local users.
- **Walk-to-school route planning and bicycle education.** The city should revise and coordinate walk-to-school route plans on an ongoing basis in partnership with the Clover Park School District. This can ensure that neighborhood-specific priority projects and comprehensive safety education for pedestrians and bicyclists can support safe facilities for all users and meet the needs of the growing urban population of Lakewood.

Additionally, the NMTP includes an evaluation of the projects necessary to build out the pedestrian and bicycling elements of the city's non-motorized transportation infrastructure:

- The **Pedestrian System Plan** is highlighted in Exhibit J-4, which includes all sidewalks, trails, and mixed-use paths available to pedestrians, as well as future priority connections for building out the city's pedestrian network.
- **Pedestrian project locations** from the NTMP are shown in Exhibit J-5, which include the sidewalks and multiuse trails that would be involved with building the identified pedestrian network.
- The **Bicycle System Plan** is summarized in Exhibit J-6. As with the Pedestrian System Plan, this includes a summary of existing facilities, including bicycle lanes, shared use paths available for bikes, sharrows, and road shoulders available for cyclists, as well as identified connections to build a complete network.



Exhibit J-4. Lakewood Pedestrian System Plan.



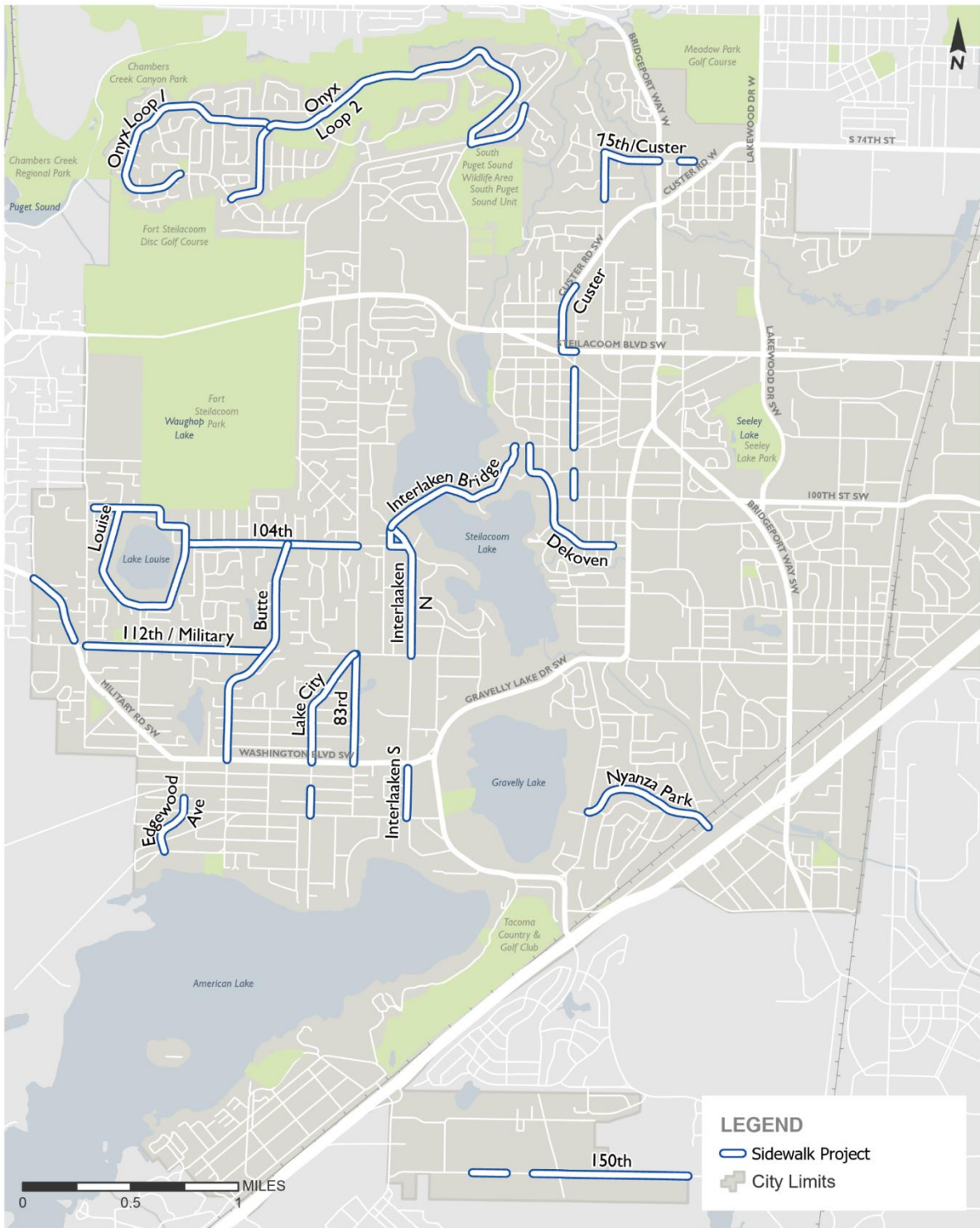
**Pedestrian System Plan**  
Lakewood Non-Motorized Transportation Plan Update



Sources: City of Lakewood, 2023.



Exhibit J-5. Lakewood Pedestrian Project Locations.

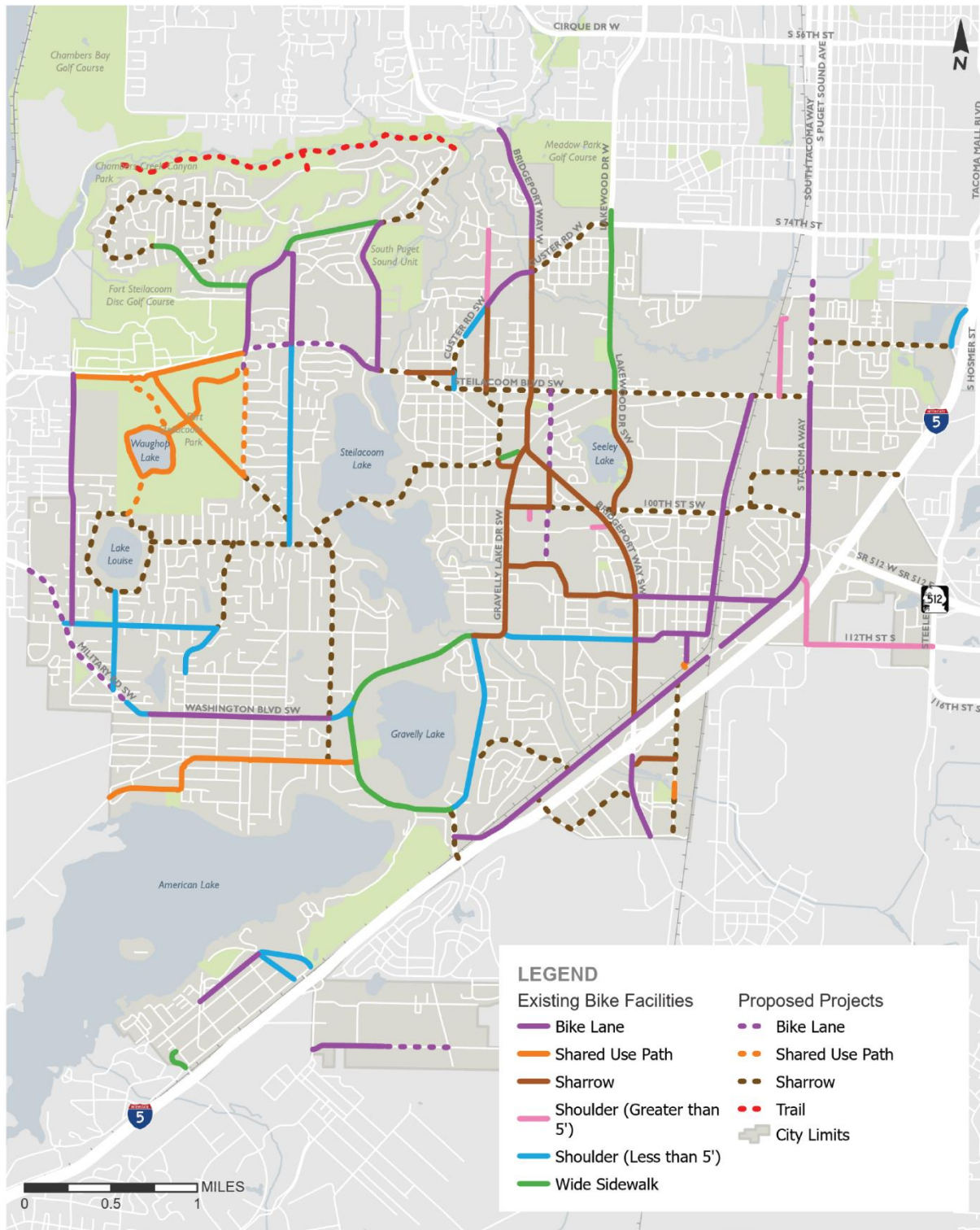


**Missing Sidewalks - Projects**  
 Lakewood Non-Motorized Transportation Plan Update



Sources: City of Lakewood, 2023.

Exhibit J-6. Lakewood Bicycle System Plan.



**Bicycle System Plan**  
Lakewood Non-Motorized Transportation Plan Update



Sources: City of Lakewood, 2023.

As noted in the NMTP, funding options to achieve these include the following:

- **State-funded projects** coordinated through the PSRC and programmed under the Statewide Transportation Improvement Program (STIP).
- **State Pedestrian and Bicycle Safety** and **Safe Routes to School** programs, which provide state funding for local projects that improve pedestrian and bicycle safety, with a focus on connections with schools under the latter program.
- **City Transportation Improvement Program** funding, which includes regular capital investment under the city's Capital Improvement Plan.
- **Local improvement districts** (LIDs), which can be used to finance local sidewalk development and critical system enhancements through special assessments on properties that benefit from the improvements.
- **Federal funding** such as the Federal Safe Streets For All (SS4A) and Safe-Routes-to-School Program may also provide resources for local improvements.

Given the extent of improvements and the need for greater resources to build out the identified networks, funding strategies to support investment in non-motorized transportation in Lakewood will need to focus on long-term efforts that layer multiple sources of funding in a coordinated way to achieve the identified goals over time.

### Levels of Service

With respect to both pedestrian and biking in the city, providing LOS measures like those provided for the road network does not make sense. LOS measures for streets and intersections look specifically at the ratio of volume to capacity at peak hours. For the non-motorized transportation network in Lakewood, however, traffic volumes will not likely exceed capacity for available infrastructure in a way comparable to the road network.

Although the Pedestrian Priority Index (PPI) provided in the NMTP provides a detailed metric to prioritizing projects according to a consistent rubric, assessing Levels of Service for existing and potential multimodal corridors may be classified according to their contribution to building a complete network. Considering the outlined existing and proposed networks in Exhibits J-4 and 6, the following three classifications can be used:

- **Adequate facilities.** Under the current system, this category would represent portions of the system that are currently a functional part of the city's multimodal transportation network (walking and/or biking). While improvements and regular maintenance may be necessary, these facilities are designed to a sufficient level to support current and expected users.
- **High priority.** From the NMTP, multiple priority projects have been identified as crucial to expanding the city's network and improving available connections. This includes the sidewalk projects listed in Exhibit J-5, and the proposed projects listed in Exhibit J-6. These projects should be given high priority for future funding and resources, as they are expected to significantly promote walking and biking in the city moving forward.
- **Moderate priority.** While no less of a priority, other projects may represent changes to facilities that currently exist but may not be as functional as an effective transportation connection or as high of a

priority as identified in the NMTP. Additionally, there may be other potential projects that can contribute to the network but are not currently identified in the NMTP. These would be highlighted as important to the city, but not the highest priority projects in building out the desired network.

These classifications would be applied to the proposed networks in Exhibits J-4 and J-6, and updated as required. Ongoing efforts to ensure that MMLOS would be improved for non-motorized systems would focus on how Lakewood is striving towards greater connectivity, safety, and effective use through the complete network identified in the NMTP. Future policy actions should be evaluated based on how moderate and high priority facilities are recategorized as “adequate”.

Note that over time, these measures may be expanded further to account for a more detailed perspective on multimodal transportation needs in the city. Regular updates to the NMTP and the Element should revisit these measures and explore how best to reflect these needs in the future.

### J.6.2 Public Transit

#### Overview

Transit service in Lakewood is provided by two agencies:

- **Pierce Transit**, managed by Pierce County, provides local bus service and is coordinating the development of a future bus rapid transit (BRT) system that may include alignments in Lakewood. Routes 2, 3, and 4, providing connections to Tacoma and Puyallup, are frequent lines that converge at the Lakewood Transit Center. Other bus lines include the 206 and 214, which also service JBLM, and the 212, which provides a connection to the Anderson Ketron Ferry in Steilacoom.
- **Sound Transit** (the Central Puget Sound Regional Transit Authority), managed as an independent authority and governed by a Board of Directors drawn from elected officials in the region, provides regional bus, light rail, and commuter rail service across the central Puget Sound. At present, three ST Express buses serve routes that connect Lakewood with Tacoma, Seattle, and Sea-Tac Airport, and the Sounder S Line has its final stop at Lakewood Station. The future Dupont Sounder Extension, expected by 2045, will provide an additional station in the Tillicum neighborhood.

The Lakewood Transit Center and Lakewood Station, located at 11424 Pacific Hwy SW provides the city with a significant transit hub for the area, and includes 600 parking spaces for Sound Transit passengers, as well as bike parking and storage.

Although the transit serving the city is not under local control, these services are important for the city to consider for several reasons:

- As the city grows and traffic volumes increase, providing transit as an alternative to single-occupancy vehicles will be essential to mitigate congestion and ensure that the city’s transportation network can operate sustainably.
- New requirements under the GMA link planning requirements to distances from transit stops with different levels of service. For example, under [RCW 36.70A.635](#) cities like Lakewood must allow four housing units per acre for parcels within 1/4 mile of a transit stop for commuter rail or bus rapid transit.



- Access to transit often requires “first mile, last mile” connections between destinations (e.g., residences, workplaces) that would be managed or supported by the city. This may include facilities such as Sound Transit park-and-ride facilities and other parking options, pedestrian and biking connections, and other amenities that can support the use of transit.
- Transit options can provide the ability for people that cannot or choose not to use personal vehicles to have an option to access destinations within and outside the city.

### Level of Service

A challenging aspect of providing city Level of Service measures for transit is like several other infrastructure systems. While levels of transit service can affect the feasibility of growth and the ability for the city to keep pace with transportation demands, other agencies, specifically Pierce Transit and Sound Transit, oversee the management of services. Even given the input that Lakewood can provide, the final responsibility for service levels is not vested with the city.

However, while the city is not in direct control of managing transit, there is a significant role for the city to play in supporting transit through transportation connections, especially pedestrian and bicycling connections that can influence the use of transit. Similarly, there can be the need to highlight areas where the city should coordinate with Pierce Transit on the expansion of transit options.

A high-level transit Level of Service standard for transit access in Lakewood would include the following:

- **Adequate facilities.** Under the current system, this would represent functional transit stops in the network that can meet local and city-wide needs with current and planned service and include sufficient pedestrian and bicycling connections to link the stops with the surrounding area.
- **High priority.** This would include transit stops that are currently operating and require significant improvements to provide pedestrian and bicycling connections for access, as well as planned transit stops that would be required to support expected increases in density over the short term.
- **Moderate priority.** Other transit stops may be operating and serving the surrounding community, but identified improvements may be necessary by the city to improve transit use. In other cases, longer-term density increases may be planned in certain areas that would require an increase in transit services. While still a priority, these facilities would not be the most essential in addressing immediate concerns with the system.
- **No facilities.** Some parts of the city might not have convenient access to current or planned transit stops, which needs to be considered in this standard. In these instances, potential or existing developments might not generate necessary ridership, or the available rights-of-way could pose difficulties for transit facility accommodation. While these services might not be immediately accessible, the city should support initiatives by agencies like Pierce Transit to offer micro-transit solutions and other alternative transit modes where feasible.

Future efforts to refine this Level of Service measure should work to include the expected number of residents and jobs accessible to frequent transit service in the city and should be coordinated with other measures of MMLOS as noted previously.

## J.7 Traffic and Parking Impacts of Land Use Policy

This section is based on a memo provided by Transpo Group in April 2024 on traffic and parking effects of the proposed Comprehensive Plan.

### J.7.1 Introduction

The City of Lakewood is currently updating its Comprehensive Plan to comply with the latest State of Washington GMA requirements, PSRC certification standards, and prepare for housing and job growth targets through the year 2044. A previous technical memorandum provided a high-level description of the extent of the effort required to update the Transportation Element portion of the Comprehensive Plan. This memorandum provides a more detailed analysis of components of the Transportation Element which need to be updated as part of the overall Comprehensive Plan update.

Specifically, the analysis described in this memorandum includes the development of travel forecasts for two future scenarios – 2044 Baseline and 2044 Plan. The adopted Roadway Level of Service (LOS) has been updated to show the results for selected corridors for both future scenarios. For any deficiencies identified beyond those described in the adopted Transportation Element, this memorandum provides a potential list of mitigation strategies. Additionally, this memorandum describes a parking analysis conducted to prepare for recent State legislation regarding zoning for middle housing. The results of these analyses will help inform the necessary updates to the Transportation Element.

### J.7.2 Travel Forecasts

#### Introduction

This section provides an overview of the potential roadway deficiencies of the 2044 Plan scenario and any mitigation necessary to accommodate the city's housing and job growth targets. To do this, we conducted a travel demand model comparison between the 2044 Baseline and 2044 Plan land use scenarios.

The travel demand model used for this analysis was derived from the previous Lakewood Model that was prepared as part of the last Comprehensive Plan update and more recent Subarea Plans. This model can be utilized to forecast travel demand based on the city's housing and job growth targets. The land use assumptions included in this analysis are consistent with work being performed in updating the Land Use Plan and are intended for planning purposes only and in no way are meant to restrict or require specific land use actions.

#### 2044 Baseline Scenario

The 2044 Baseline scenario model builds upon the 2030 Plan scenario model used in the previous Transportation Element update and incorporates more recent land use planning efforts, such as the Downtown Plan and Station Area Plan. Additionally, the 2044 Baseline scenario model includes one minor roadway improvement – the widening of Murray Road north of 146th SW to two lanes in each



direction. This scenario is used as a future baseline to consider only approved land use capacity and roadway improvements.

## 2044 Plan Scenario Model

The 2044 Plan scenario model builds upon the 2044 Baseline scenario model by adding the city’s housing and job growth targets through the year 2044. The two models are otherwise identical, allowing for a measurement of the traffic volume effects of the additional housing and job growth.

## Land Use Changes

The housing and job growth targets incorporated into the 2044 Plan scenario model were informed by other components of the Comprehensive Plan update. Land use data for this scenario model were provided by the prime consultant (BERK) who is working with the city in updating the Comprehensive Plan.

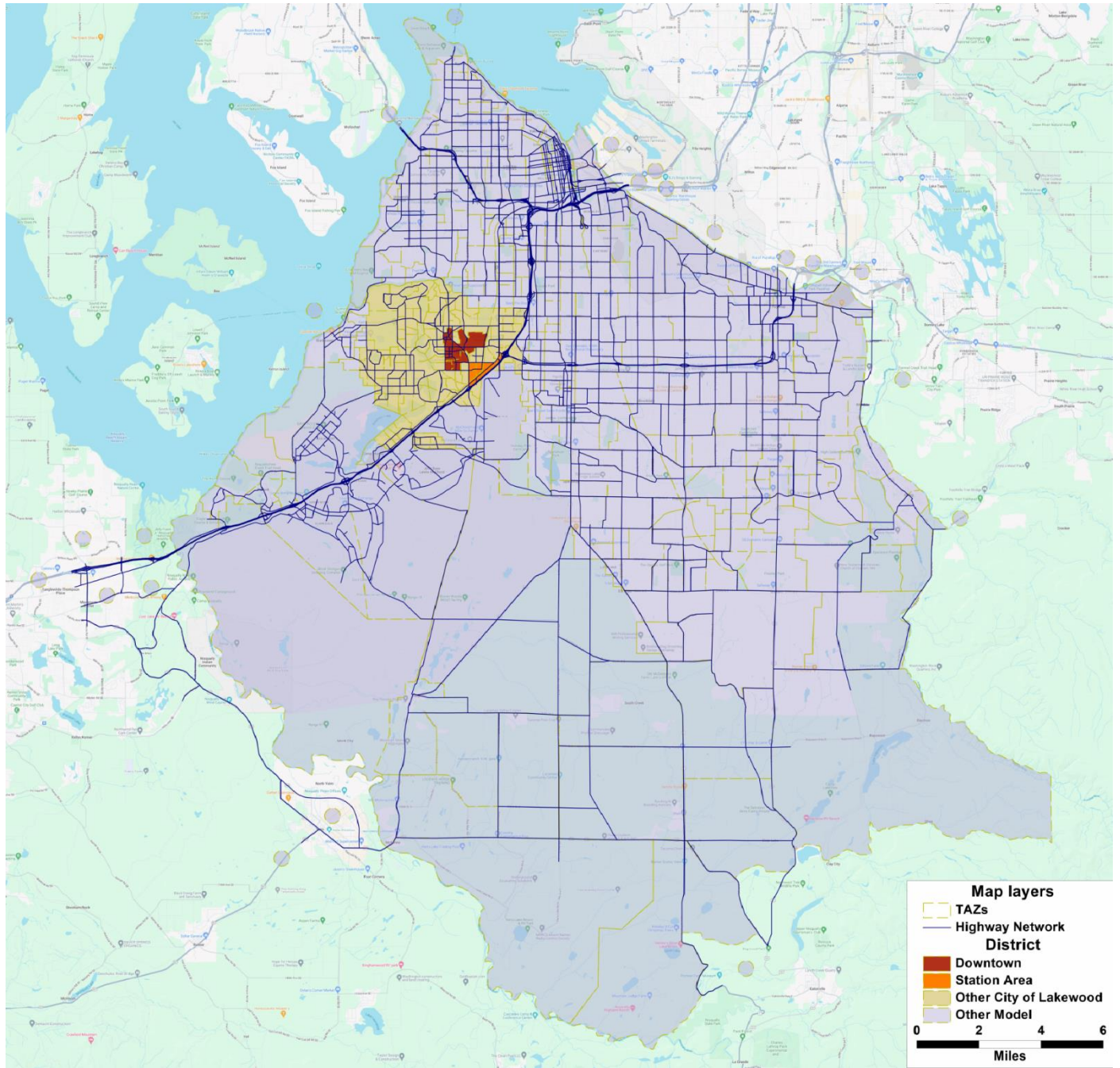
Exhibit J-7 shows a comparison of total occupied households and employees for the 2044 Baseline and 2044 Plan scenarios for the city overall and within specific districts. For reference, Exhibit J-8 shows the analysis districts included in this analysis. Land uses outside of the City of Lakewood were assumed to be unchanged in both future scenarios to compare the transportation impacts of the land use changes internal to the city.

### Exhibit J-7. Transportation Model Land Use Assumptions

	Downtown District	Station Area District	Other Lakewood District <sup>1</sup>	City of Lakewood Total
<b>Occupied Households</b>				
2044 Baseline	2,688	2,553	31,727	36,968
2044 Plan	2,915	2,564	30,151	35,630
Difference	227	11	(1,576)	(1,338)
% Difference	8.4%	0.4%	(5.0%)	(3.6%)
<b>Employees</b>				
2044 Baseline	13,498	3,145	24,407	41,050
2044 Plan	14,739	4,998	20,007	39,744
Difference	1,241	1,853	(4,400)	(1,306)
<b>% Difference</b>	<b>9.2%</b>	<b>58.9%</b>	<b>(18.0%)</b>	<b>(3.2%)</b>

1. All other areas in the city outside the Downtown and Station Area Districts.

Exhibit J-8. Traffic Analysis Districts, City of Lakewood



### Key Findings

- Under the 2044 Plan scenario, there is a slight decrease in households and employees citywide compared to the 2044 Baseline scenario.
- The 2044 Plan scenario shifts household growth to concentrate more within the Downtown (+227) and Station Area (+11) districts and less outside of these areas (-1,576).
- The 2044 Plan scenario also shifts employee growth to concentrate more within the Downtown (+1,241) and Station Area (+1,853) districts and less outside of these areas (-4,400).

## Vehicle Miles Travelled

Vehicle Miles Travelled (VMT) measures the total number of miles travelled by all vehicles leaving, arriving, and/or passing through a geographic region. shows the VMT results for the two future scenarios overall and by analysis district.

**Exhibit J-9. Vehicle Miles Travelled Analysis Results**

	Downtown District	Station Area District	Other Lakewood Districts	City of Lakewood Total	External to Lakewood Total
2044 Baseline	11,630	8,539	55,243	75,412	1,207,587
2044 Plan	12,339	9,489	52,668	74,496	1,218,125
Difference	709	950	(2,575)	(916)	10,538
<b>% Difference</b>	<b>6.1%</b>	<b>11.1%</b>	<b>(4.7%)</b>	<b>(1.2%)</b>	<b>0.9%</b>

### Key Findings

- Both the Downtown and Station Area districts show VMT increases of 6.1% and 11.1% respectively in the 2044 Plan scenario. These increases are consistent with the changes in land use for this scenario.
- Other areas of the City of Lakewood are projected to produce less VMT (-4.7%) in the 2044 Plan scenario, also consistent with the changes in land use for this scenario.
- VMT within the City of Lakewood overall is projected to decrease slightly (-1.2%) under the 2044 Plan scenario.
- VMT outside of the City of Lakewood is projected to increase slightly (0.9%) under the 2044 Plan scenario.

## Level of Service Analysis

The travel demand model was utilized to model both land use scenarios outlined previously. Traffic volumes, roadway volume-to-capacity (v/c) ratios, and level of service (LOS) were then calculated for mid-block arterial roadway segments throughout the City of Lakewood. The v/c and LOS calculations are based on the Highway Capacity Manual (HCM) methodology and the PM peak hour traffic volumes from the two model scenarios. The LOS is consistent with the methodologies adopted in the existing Comprehensive Plan. Exhibit J-10 shows the results from this analysis.

Exhibit J-10. Comparison of 2044 Levels of Service, Baseline versus Plan.

	2044 Baseline			2044 Plan		
<b>Ardmore Dr SW</b>						
Southeast of Steilacoom Blvd SW	D	0.74	0.83	C	0.68	0.71
Northwest of Whitman Ave SW	B	0.40	0.63	A	0.36	0.55
<b>Bridgeport Way W</b>						
North of 75th St W	C	0.79	0.69	C	0.80	0.66
North of Custer Rd W	B	0.66	0.62	B	0.69	0.60
South of Custer Rd W	C	0.71	0.63	C	0.76	0.62
North of Gravelly Lake Dr SW	A	0.56	0.54	A	0.59	0.51
South of Gravelly Lake Dr SW	A	0.39	0.43	A	0.42	0.40
North of 100th St SW	A	0.50	0.52	A	0.53	0.53
South of 100th St SW	A	0.26	0.23	A	0.30	0.25
South of Lakewood Dr SW	A	0.51	0.56	A	0.58	0.60
North of 112th St SW	A	0.52	0.58	A	0.59	0.58
North of Pacific Highway SW	C	0.67	0.78	C	0.78	0.78
South of Pacific Highway SW	D	0.79	0.85	D	0.78	0.84
I-5 Overcrossing	B	0.58	0.62	B	0.54	0.65
At Clover Creek Bridge South of I-5	A	0.44	0.31	A	0.44	0.33
<b>Custer Rd SW/W</b>						
Northeast of Bridgeport Way SW	C	0.62	0.75	C	0.64	0.75
Southwest of Bridgeport Way SW	C	0.52	0.72	B	0.52	0.70
North of 88th St SW	B	0.47	0.66	B	0.47	0.64
South of 88th St SW	A	0.55	0.04	A	0.51	0.03
<b>Far West Dr SW</b>						
South of Steilacoom Blvd SW	A	0.12	0.16	A	0.25	0.18
<b>Gravelly Lake Dr SW</b>						
Southwest of Steilacoom Blvd SW	A	0.30	0.56	A	0.34	0.59
Northeast of Bridgeport Way SW	A	0.15	0.37	A	0.19	0.39
Southwest of Bridgeport Way SW	A	0.25	0.29	A	0.26	0.29
South of Mount Tacoma Dr SW	A	0.26	0.19	A	0.29	0.22
South of 100th St SW	A	0.39	0.41	A	0.43	0.45
South of Alfaretta St SW	A	0.26	0.30	A	0.29	0.33
North of Wildaire Rd SW	A	0.48	0.50	A	0.45	0.49
North of 112th St SW	A	0.45	0.45	A	0.45	0.50
West of 112th St SW	B	0.50	0.65	B	0.48	0.62
West of Nyanza Rd SW/S	E	0.89	0.97	D	0.75	0.87
North of Pacific Highway SW	B	0.70	0.54	B	0.67	0.47
South of Pacific Highway SW	B	0.68	0.55	B	0.65	0.51
I-5 Overcrossing	A	0.47	0.33	A	0.45	0.32
<b>Hipkins Rd SW</b>						

	2044 Baseline			2044 Plan		
South of Steilacoom Blvd SW	A	0.33	0.43	A	0.26	0.36
<b>Lakeview Ave SW</b>						
South of 100th St SW	A	0.24	0.39	A	0.27	
South of Steilacoom Blvd SW	A	0.34	0.26	A	0.44	
<b>Lakewood Dr SW</b>						
North of 74th St W	D	0.66	0.86	D	0.72	0.88
South of 74th St W	D	0.66	0.81	D	0.72	0.82
North of Steilacoom Blvd SW	C	0.67	0.79	C	0.74	0.80
South of Steilacoom Blvd SW	A	0.54	0.51	A	0.60	0.51
North of 100th St SW	A	0.40	0.48	A	0.48	0.54
<b>Military Rd SW</b>						
South of 112th St SW	A	0.39	0.34	A	0.37	0.39
Northwest of 112th St SW	A	0.19	0.16	A	0.17	0.14
<b>Mount Tacoma Dr SW</b>						
West of Bridgeport Way	A	0.15	0.19	A	0.25	0.22
West of Gravelly Lake Dr	A	0.18	0.28	A	0.16	0.26
<b>Murray Rd SW</b>						
North of 146th St SW	A	0.58	0.50	A	0.55	0.45
<b>North Thorne Ln SW</b>						
Southeast of Union Ave SW	B	0.66	0.67	B	0.56	0.65
<b>Nyanza Rd SW</b>						
North of Gravelly Lake Dr SW	A	0.55	0.28	A	0.57	0.26
South of Gravelly Lake Dr SW	A	0.55	0.30	A	0.57	0.30
<b>Pacific Highway SW</b>						
North of 108th St SW	C	0.76	0.69	E	0.94	0.72
Southwest of 108th St SW	A	0.47	0.39	B	0.69	0.48
Northeast of Bridgeport Way SW	A	0.48	0.45	B	0.59	0.68
Southwest of Bridgeport Way SW	B	0.58	0.63	C	0.66	0.71
East of Gravelly Lake Dr SW	B	0.54	0.64	B	0.47	0.63
<b>Phillips Rd SW</b>						
North of Steilacoom Blvd SW	C	0.71	0.35	A	0.58	0.31
<b>South Tacoma Way</b>						
North of 84th St SW	D	0.64	0.89	D	0.65	0.90
North of Steilacoom Blvd SW	D	0.75	0.87	D	0.78	0.87
South of Steilacoom Blvd SW	C	0.72	0.77	D	0.72	0.83
North of 96th St S	C	0.65	0.75	C	0.68	0.80
North of 100th St SW	D	0.89	0.62	E	0.93	0.62
South of SR 512	C	0.79	0.67	E	0.92	0.67
Southeast of Pacific Highway SW	A	0.30	0.29	A	0.30	0.31
<b>Steilacoom Blvd SW</b>						
East of Farwest Dr SW	A	0.39	0.49	A	0.48	0.47
West of 87th Ave SW	A	0.56	0.52	A	0.48	0.47
West of 83rd Ave SW/Hipkins Rd SW	A	0.52	0.51	A	0.46	0.50



	2044 Baseline			2044 Plan		
West of Phillips Rd SW	F	0.84	1.02	E	0.72	0.94
East of Phillips Rd SW	F	0.84	1.12	F	0.73	1.01
Southeast of 88th St SW	C	0.78	0.68	B	0.66	0.60
West of Bridgeport Way SW	B	0.38	0.65	A	0.31	0.57
East of Bridgeport Way SW	A	0.33	0.53	A	0.28	0.49
West of Gravelly Lake Dr SW	A	0.32	0.47	A	0.28	0.43
East of Lakewood Dr SW	A	0.35	0.47	A	0.34	0.44
West of Lakeview Ave SW	A	0.35	0.49	A	0.34	0.46
West of South Tacoma Way	A	0.48	0.54	A	0.55	0.53
<b>Union Ave SW</b>						
Northeast of Berkeley St SW	A	0.16	0.21	A	0.13	0.16
Southwest of North Thorne Ln SW	A	0.37	0.31	A	0.28	0.29
<b>Washington Blvd SW</b>						
West of Gravelly Lake Dr SW	E	0.66	0.99	E	0.65	0.96
<b>Whitman Ave SW</b>						
South of Ardmore Dr SW	A	0.13	0.14	A	0.13	0.13
<b>40th Ave SW</b>						
North of 100th St SW	B	0.32	0.62	B	0.37	0.66
<b>74th St S</b>						
West of Lakewood Dr SW	C	0.56	0.71	A	0.57	0.71
<b>83rd Ave SW</b>						
North of Steilacoom Blvd SW	A	0.56	0.33	A	0.39	0.26
<b>84th St S</b>						
East of South Tacoma Way	A	0.39	0.25	A	0.41	0.26
<b>87th Ave SW</b>						
South of Steilacoom Blvd SW	A	0.09	0.09	A	0.03	0.03
North of Steilacoom Blvd SW	A	0.36	0.28	A	0.30	0.14
<b>88th St SW</b>						
East of Steilacoom Blvd SW	A	0.17	0.58	A	0.15	0.53
<b>93rd St SW</b>						
East of Whitman Ave SW	A	0.46	0.34	A	0.39	0.32
<b>96th St S</b>						
West of South Tacoma Way	C	0.61	0.77	C	0.52	0.73
East of South Tacoma Way	D	0.81	0.45	D	0.81	0.44
<b>100th St SW</b>						
West of South Tacoma Way	C	0.72	0.53	C	0.78	0.53
East of Lakeview Dr SW	D	0.83	0.82	D	0.90	0.83
West of Lakeview Dr SW	C	0.74	0.63	C	0.80	0.63
East of Lakewood Dr SW	C	0.73	0.68	C	0.75	0.67
East of Bridgeport Way SW	B	0.64	0.63	B	0.69	0.65
East of Gravelly Lake Dr SW	A	0.13	0.19	A	0.16	0.21
<b>108th St SW</b>						
West of Pacific Highway SW	C	0.71	0.74	D	0.82	0.80



	2044 Baseline			2044 Plan		
East of Bridgeport Way SW	A	0.57	0.42	A	0.60	0.45
West of Bridgeport Way SW	A	0.45	0.31	A	0.46	0.28
East of Davisson Rd SW	A	0.48	0.34	A	0.47	0.30
<b>112th St SW/S</b>						
Between Military Rd SW & Farwest Dr S	A	0.25	0.35	A	0.26	0.48
East of Gravelly Lake Dr SW	B	0.31	0.61	A	0.32	0.49
East of Bridgeport Way SW	B	0.54	0.66	A	0.56	0.56
West of Bridgeport Way SW	B	0.49	0.68	B	0.57	0.61
<b>150th St SW</b>						
East of Woodbrook Rd SW	F	1.05	0.75	C	0.80	0.57

1. Level of service, based on Highway Capacity Manual, 7th Edition methodology.
2. Level of service reported for worst performing direction of travel

### Key Findings

Our analysis of the two model scenarios focuses on roadway segments which operate at LOS E or worse ( $v/c > 0.90$ ) since the general concurrency threshold for the City of Lakewood is to maintain LOS D or better along all arterial roadways. However, as discussed in greater detail below, the city has previously identified some roadway segments that are unable to maintain LOS D or better through feasible mitigation or improvements in the future. For these roadway segments, the city has established either a LOS E or LOS F threshold, depending on the roadway segment.

The following two lists summarize the roadway segments projected to operate at LOS E or worse in either the 2044 Baseline or the 2044 Plan model scenarios. The first list shows roadway segments projected to operate better in the 2044 Plan than the 2044 Baseline model scenario.

The second list shows roadway segments projected to operate worse in the 2044 Plan than the 2044 Baseline model scenario.

- Roadway operating conditions are projected to improve under the 2044 Plan model scenario for the following segments:
  - Gravelly Lake Dr SW west of the end of Nyanza Rd SW from LOS E ( $v/c$  0.97) to LOS D ( $V/C$  0.87)
  - Steilacoom Blvd SW west of Phillips Rd SW from LOS F ( $v/c$  1.02) to LOS E ( $v/c$  0.94)
  - Steilacoom Blvd SW east of Phillips Rd SW from LOS F ( $v/c$  1.12) to LOS F ( $v/c$  1.01)
  - Washington Blvd SW west of Gravelly Lake Dr SW from LOS E ( $v/c$  0.99) to LOS E ( $v/c$  0.96)
  - 150th St SW east of Woodbrook Rd SW from LOS F ( $v/c$  1.05) to LOS C ( $v/c$  0.80)
- 2. Roadway operating conditions are projected to worsen under the 2044 Plan model scenario for the following segments:
  - Pacific Highway SW north of 108th St SW from LOS D ( $v/c$  0.76) to LOS E ( $v/c$  0.94)

- South Tacoma Way north of 100th St SW from LOS D (v/c 0.89) to LOS E (v/c 0.93)
- South Tacoma Way south of SR 512 from LOS D (v/c 0.79) to LOS E (v/c 0.92)

### *Potential Mitigations*

The roadway segments along Steilacoom Blvd SW and Washington Blvd SW which continue to operate at LOS E or worse in the 2044 Plan model scenario have previously been identified by the city as segments which are unable to maintain LOS D or better through feasible mitigation or improvements. Therefore, our analysis does not consider potential mitigations for these roadway segments since the results are similar to what had been shown in the adopted Transportation Element.

The remaining roadway segments along Pacific Highway SW and South Tacoma Way which continue to operate at LOS E or worse in the 2044 Plan model scenario are considered for potential mitigations in our analysis. These two roadways directly serve the Station Area District and the increased land use intensity in the 2044 Plan model scenario contributed to the worsening roadway segment LOS.

Given the city's focus on improving transit accessibility, especially for active transportation modes such as walking and biking, within the Station Area District, it is not likely feasible to mitigate the roadway segment deficiencies along Pacific Highway SW and South Tacoma Way through roadway widening improvements. However, the Sound Transit Board of Directors approved a series of improvements within the Station Area District which may encourage greater transit, walking, and biking use and decrease the demand for driving on the surrounding roadway network. These improvements include:

- **115th St Ct SW trail to station** – adds a multi-use trail in Sound Transit right-of-way from the end of 115th St. Court SW to the pedestrian bridge over the railroad tracks connecting to Lakewood Station.
- **Station area curb and sidewalk improvements** – improve curbs and sidewalks within a half mile radius of the station area.
- **Pierce Transit Route 206 bus stop at Lakewood Station** – modify the intersection of Pacific Hwy. SW and Bridgeport Way to improve the bus turning radius, which makes a Pierce Transit stop at the station more feasible.

Additionally, the City of Lakewood could consider adjusting the LOS threshold for these deficient roadway segments as they have done previously for other deficient roadway segments in the city. These adjustments would further emphasize the city's focus on improving transit access, walking, and biking within the Station Area District and surrounding area.

## I-5 Volumes

GMA requires the city to assess the impact of land-use decisions on state-owned transportation facilities. Using the land use assumptions for each alternative and the travel demand model, volumes at ramps and mainline segments are compared in **Error! Reference source not found.** and **Error! Reference source not found.** The Action Alternative volumes are slightly lower in general compared to baseline or No Action though there are locations where Action Alternative volumes are greater.

**Exhibit J-11. Northbound I-5 Volumes**

<b>Interchange</b>		<b>No Action</b>	<b>Action</b>	<b>% Diff</b>
Berkeley Ave	Mainline	15,590	15,370	-1.4%
	Off Ramp	920	830	-9.8%
	On Ramp	3,600	3,550	-1.4%
Thorne Lane	Mainline	18,270	18,090	-1.0%
	Off Ramp	880	1,040	18.2%
	On Ramp	3,370	3,180	-5.6%
Gravelly Lake Drive	Mainline	20,760	20,230	-2.6%
	Off Ramp	2,200	2,130	-3.2%
	On Ramp	1,430	1,370	-4.2%
Bridgeport Way	Mainline	19,990	19,470	-2.6%
	Off Ramp	1,930	1,930	0.0%
	On Ramp	2,660	3,040	14.3%
SR 512	Mainline	20,720	20,580	-0.7%
	Off Ramp	5,510	5,450	-1.1%
	On Ramp	5,230	5,300	1.3%
S. 84th St	Mainline	20,440	20,430	0.0%
	Off Ramp	1,930	1,820	-5.7%
	Mainline	18,510	18,610	0.5%
S. 74th Street	Off Ramp	1,840	1,780	-3.3%
	On Ramp	3,670	3,670	0.0%
	Mainline	20,340	20,500	0.8%

Source: Transpo, 2024.

**Exhibit J-12. Southbound I-5 Volumes**

Interchange		No Action	Action	% Diff
S. 74th Street	Mainline	25,160	25,140	-0.1%
	Off Ramp	4,970	4,970	0.0%
	On Ramp	990	1,010	2.0%
S. 84th St	Mainline	21,180	21,180	0.0%
	On Ramp	1,080	1,050	-2.8%
SR 512	Mainline	22,260	22,230	-0.1%
	Off Ramp	6,390	6,160	-3.6%
	On Ramp	4,920	4,600	-6.5%
Bridgeport Way	Mainline	20,790	20,670	-0.6%
	Off Ramp	2,500	2,850	14.0%
	On Ramp	2,650	2,510	-5.3%
Gravelly Lake Drive	Mainline	20,940	20,330	-2.9%
	Off Ramp	1,850	1,880	1.6%
	On Ramp	2,050	1,790	-12.7%
Thorne Lane	Mainline	21,140	20,240	-4.3%
	Off Ramp	2,960	2,310	-22.0%
	On Ramp	840	870	3.6%
Berkeley Ave	Mainline	19,020	18,800	-1.2%
	Off Ramp	2,100	1,910	-9.0%
	On Ramp	390	380	-2.6%
	Mainline	17,310	17,270	-0.2%

Source: Transpo, 2024

**J.7.3 Parking Analysis**

This section describes the analysis conducted by both BERK and Transpo Group to evaluate and identify areas within the City of Lakewood where a potential increase in on-street parking demand due to middle housing developments allowed under the State of Washington HB 1110 might cause significant safety issues. The State plans to provide guidance to local jurisdictions on how to evaluate significant safety issues related to HB 1110. However, prior to the issuance of this guidance, our analysis provides a methodology for evaluating significant safety issues that can be applied consistently to all roadway segments in the city related to parking impacts.

Our analysis assumes that significant safety issues stemming from increased on-street parking could arise on roadways that were not originally designed for on-street parking. In the context of residential areas within the City of Lakewood, this would typically include narrow local roads without curbs. On-

street parked vehicles on these roadways may contribute to significant safety issues, such as reduced sight distances, increased risk of dooring collisions for people biking, or preventing adequate space for two-way travel.

## Data and Assumptions

The City of Lakewood provided the data used in this study. GIS data layers used included:

- **Travelways:** a line layer showing the edge of pavement for the entire city. This layer also shows driveway access to/from all parcels.
- **ROW under 60:** a line layer showing areas of the city where the public right of way is less than 60 feet wide.
- **Arterials:** a line layer showing all roads in the city.
- **Parcels:** a polygon layer showing parcels in the city.

These GIS data layers were utilized to identify narrow roadway segments throughout the City of Lakewood. However, it's important to note that since our analysis relies on the "ROWunder60" layer to identify narrow roadway segments, it's possible that this excludes other roadway segments that might have significant safety issues related to on-street parking. For example, a roadway segment with adequate public ROW but the pavement width is still narrow or missing curbs. The city should consider if further study is necessary to evaluate safety in these areas.

Once parcels along narrow roadway segments were identified, our analysis excluded parcels that were within 300 feet walking distance from a roadway segment with adequate public ROW. The assumption here is that a person living at one of these parcels could park their vehicle along the roadway segment with adequate public ROW and conveniently walk to their residence.

## Methodology to Identify Inadequate On-Street Parking

The following steps were conducted to identify roadway segments with potentially significant safety issues related to on-street parking.

- **Step 1:** Identify where HB 1110 land uses would initially be allowed absent other data. Utilize the existing low-density residential zoning GIS layer for R1-R4 designated areas. Remove areas with lot sizes below a minimum threshold or lot size.

This step was completed by BERK and the filtered dataset was then provided to Transpo Group for further analysis. This filtered dataset included 8,983 parcels.

- **Step 2:** Remove properties within ½ mile walking distance of a major transit stop. A major transit stop provides daily service frequency of 30 minutes or greater.

This step was also completed by BERK. Major transit stops within the city included stops with either future bus rapid transit or commuter rail service. Excluding parcels within a ½ mile walking distance of major transit stops reduced the number of parcels relevant to the parking analysis to 2,300.

- **Step 3:** Utilize estimates of potential development capacity, such as number of additional units that could be added, to highlight areas with higher likelihood of off-site parking needs.

BERK identified parcels where middle housing would not be allowed or would not be possible to build. The exclusion of these parcels reduced the number of parcels relevant to the parking analysis to 1,615.

- **Step 4:** Highlight properties that have direct access to public streets that have substandard public ROW widths of under 60 feet. Assume on-street parking within 300 feet of a property is within acceptable walking distance.

This step was completed by Transpo Group and reduced the number of parcels relevant to the parking analysis to 191. Figure 2 shows the location of the 191 parcels within the city.

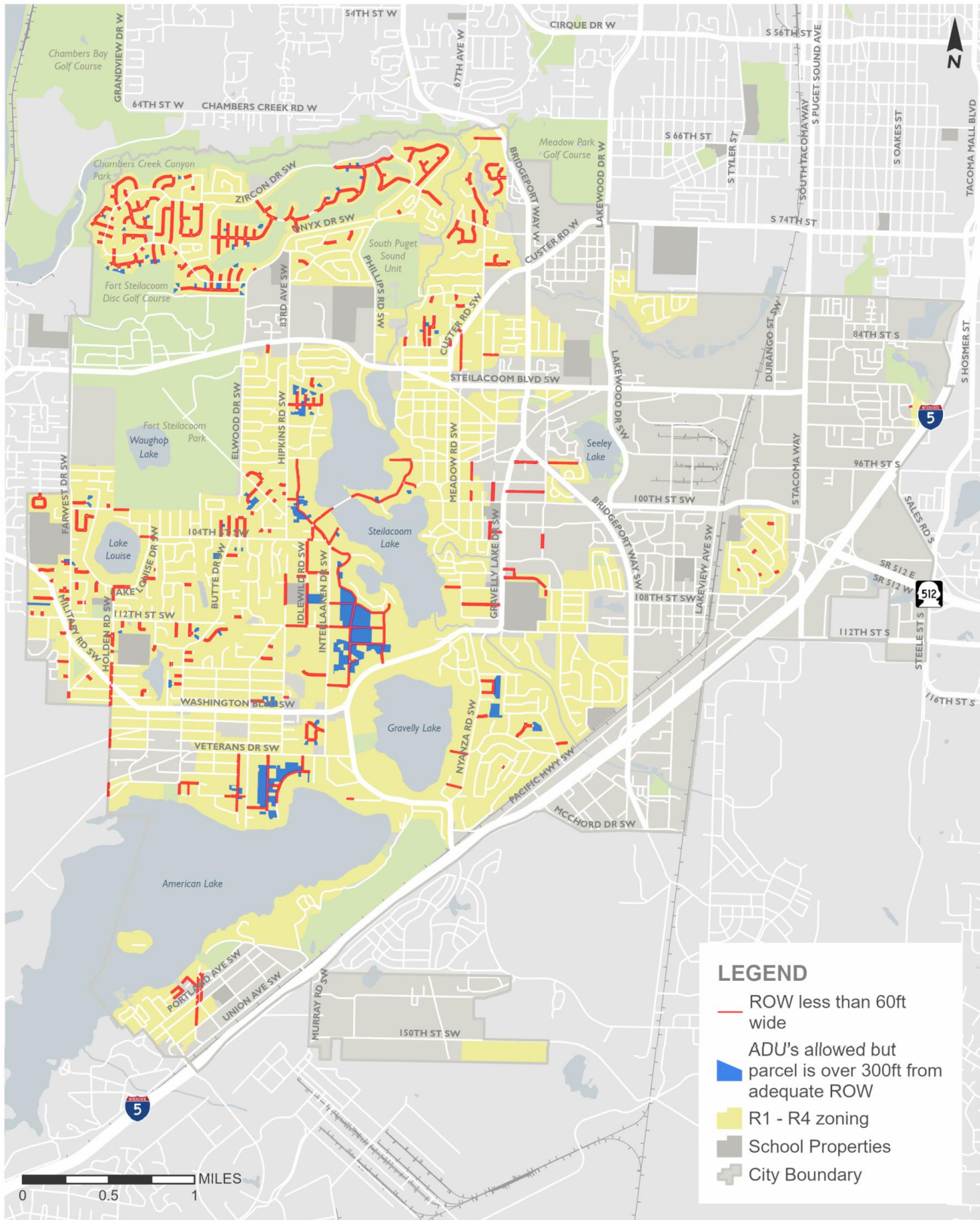
### Key Findings

Our analysis highlights two neighborhoods within the city with a high concentration of parcels with potentially significant on-street parking safety issues – the Interlaken and Harts Idyllwild/Lake Holme developments. These neighborhoods include mostly low-density single-family homes.

Roadways within these neighborhoods are primarily narrow and without curbs or sidewalks. The neighborhoods were designed to be accessed primarily by automobile. The low density and roadway connectivity also allows for walking without the need for sidewalks since the traffic volumes are likely low and people walking have the option to walk off pavement within the public right of way. Since these roadways were not designed to accommodate higher residential densities and on-street parking, they may be appropriate areas to exempt from the HB 1110 middle housing zoning requirements. However additional evaluation may be necessary to consider other data points and information, such as equity, demographics, and practicality or risk of exempting these areas from middle housing zoning.



Exhibit J-13. Parcels of Concern for Significant On-Street Parking Safety Issues



# K Utilities

## K.1 Introduction

Utilities addressed in this element include stormwater, sanitary sewer, water, electricity, communications, solid waste, and natural gas. The purpose of this element is to ensure that:

- Adequate utilities are available,
- Equitable LOS for services are provided across the city;
- Public health and safety are guaranteed;
- Efficiencies and economies of scale are utilized, and
- Coordination is successfully achieved with regional and independent utility providers.

As discussed in the Capital Facilities and Essential Public Facilities Element, Lakewood does not own or operate the city’s sewer, water, power, refuse/solid waste, hazardous waste, or telecommunication utilities. Rather, the city has intergovernmental or interagency agreements with the following entities to provide urban services, as shown in Exhibit K-1

**Exhibit K-1. Major Utility Providers in Lakewood.**

Service / Utility	Agency
<b>Sewer</b>	Pierce County Public Works
<b>Water</b>	Lakewood Water District, Parkland Water District
<b>Electricity</b>	Tacoma Power, Puget Sound Energy, Lakeview Power
<b>Natural Gas</b>	Puget Sound Energy
<b>Telecommunications</b>	Private communications companies
<b>Refuse/Solid Waste</b>	Waste Connections

## K.2 Sewer

Sewer service in the City of Lakewood is almost entirely provided by Pierce County Public Works and Utilities. Sewer service was recently expanded to serve the Tillicum and Woodbrook communities. The Town of Steilacoom provides sewer service to Western State Hospital. The connection to the Steilacoom sewer system is at the southwest corner of the WSH campus. This connection is being upgraded in 2023, including the addition of a meter. Future development will require additional sewer capacity charges and will be based on the calculated sewer demand from Pierce County Public Works and Utilities “Documented Water Use Data.” The City of Tacoma provides sewer service to the Flett subdivision, and

to commercial and residential users located in northeast Lakewood (80th Street and 84th Streets). Exhibit K-2 describes the locations of all major sewer trunk lines within Lakewood.

The area immediately north of Pierce College and north of 101st Street SW, as well as the area along Clover Creek near Cochise Lane, remain unsewered. Since the adoption of the city's Comprehensive Plan in 2000, sewer trunk lines have been installed in Tillicum and Woodbrook.

## **K.3 Water**

### **K.3.1 Lakewood Water District**

Water service in the City of Lakewood is almost entirely provided by the Lakewood Water District. Small portions of the north and northeast sections of the city are served by the City of Tacoma, the Parkland Light and Water Company, and Southeast Tacoma Mutual Water Company.

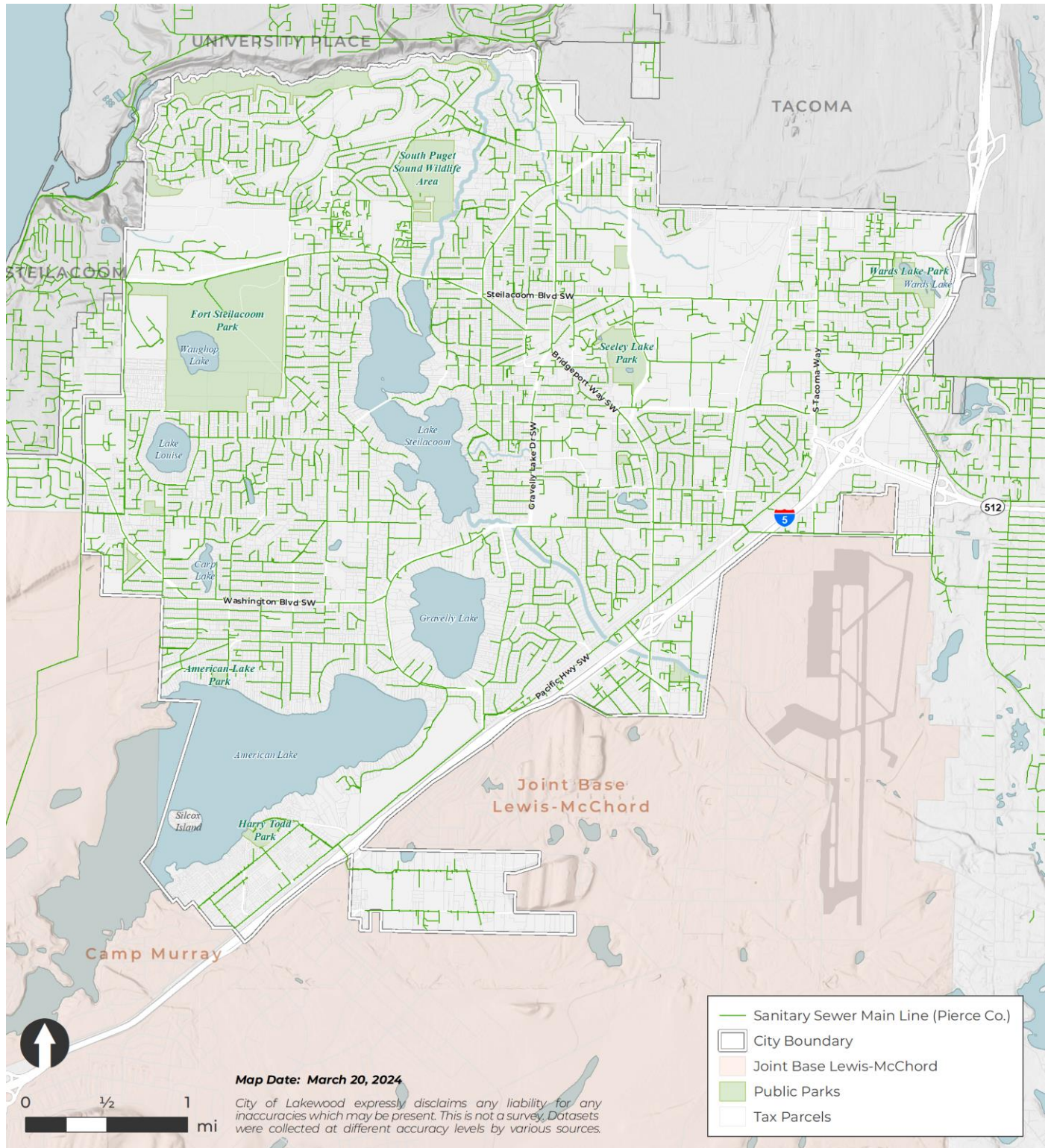
Figure 7.3 shows the water systems service areas, in addition to the location of groundwater pump stations. No surface water, desalinated water, or recycled water is used. The aquifers are at different depths, generally of glacial origin and tend to be coarse-grained and highly permeable. Recharge (replenishing) of the aquifers comes from local rainfall or snowmelt in the Clover/Chambers drainage basin. Some of the aquifers will receive some additional deep underflow ranging from the south Puyallup/Graham area westward to the Puget Sound.

The Lakewood Water District was formed in 1943. The District originally leased its water supply and distribution facilities from the Federal Works Agency, from whom it later purchased the facilities. At that time, the facilities consisted of four wells, three storage tanks, and approximately 41 miles of water main serving approximately 270 connections. The District began its first groundwater drilling efforts in 1943. The District has grown steadily ever since residential and commercial development occurred within its service area. Facilities now include 13 storage tanks and 34 groundwater wells, of which 30 are active. In 2010, the District served approximately 16,425 service connections and had approximately 250 miles of water main.

The District's existing retail and wholesale water service areas, which are the same as the District's future service area. The District's retail water service area includes most of the City of Lakewood's city limits, portions of the Town of Steilacoom and portions of unincorporated Pierce County. The District's wholesale water service area includes the retail water service areas of Pierce County Water Cooperative member systems. The District supplies wholesale water to the City of Steilacoom and Summit Water and Supply Company and has contracts to provide wholesale water to the Rainier View Water Company and Spanaway Water Company.



Exhibit K-2. Lakewood Major Sanitary Sewer Lines.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

Lakewood's sole source of water is from underground aquifers supplied by 30 active groundwater wells. These wells have sufficient capacity and water rights to meet current and future demands. However, many of the District's supply facilities have aging mechanical equipment and aging site piping that needs replacing.

In recent years, the District has experienced an increase in distribution system leakage, which it is taking steps to reduce. The steps include conducting leak detection audits, calibrating and replacing water source and service meters, and replacing aging water mains suspected to have leaks. Figure 7.4 shows the Water Districts water line replacement program as of 2013.

Redevelopment within the District's retail water service area will increase the service area population and demands. Within the 20-year planning period of this plan, the District's retail water service area is anticipated to grow by approximately 13,186 people, or 22%. The increase in total water system demands is anticipated to increase by this same percentage.

All the water from the District's wells is chlorinated before it enters the distribution system. Re-chlorination is also used at the District's Western State and American Lake Gardens storage tanks to maintain adequate chlorine residual in the stored water. The District does not fluoridate its water supply.

The District's water system has 12 pump stations. Each pump station serves one of three purposes: Pumping water from a reservoir to the system where the elevation of the reservoir is too low to gravity feed into the system; Continuously pumping water into a pressure zone for maintaining adequate pressures where the pressure zone doesn't have a tank for maintaining pressures; and Pumping water from a lower pressure zone to a higher pressure zone where the higher pressure zone has one or more tanks to maintain pressures.

The District's water system has 13 active storage facilities. Two tanks have been abandoned. The Washington Boulevard was abandoned by the District several years ago. The Tillicum Elevated Tank has also been abandoned for several years but remains standing for the sole purpose of supporting cell phone antennas. The storage system meets current and future system needs, but many facilities are aging.

The District's Retail Water Service Area (Lakewood) contains approximately 250 miles of water main ranging in size from less than 2-inches to 16-inches in diameter. Much of the water main (approximately 39 percent) within the service area is 8-inch diameter and an additional 18 percent of District's water main is larger than 8-inch diameter.

Approximately 73% of the water main in the system is asbestos cement (AC). The District has an ongoing program to replace this older AC water main. All new water main installations are ductile iron water main in accordance with the District's current development and construction standards.

The average life expectancy of water mains in the District's system is estimated at 50 years. This is partly due to the AC pipe material of much of the water system and to the numerous water mains that were cut and repaired with couplings and fittings as part of a large sanitary sewer system utility local improvement district (ULID) in the early 1980s. Approximately 47 percent of water mains within the system were constructed before the 1960s and are reaching the end of their design life expectancy.

In 2014, the District officially instituted a 50-year water main rehabilitation and replacement program. The program would replace about 180 miles of the 256-mile system, in addition to replacing over 16,000 water meters. Total project cost in 2014 dollars is \$180 million. The District has also implemented a capital facilities plan to upgrade and expand services to meet the city's economic development priorities.

The District has advanced a capital improvement program (CIP). The CIP has recommended major maintenance and replacement needs of the existing system at an annual rate of \$3.65 million minus water main replacement which is funded separately. Capital improvements have been proposed in six categories:

- **Water Main Improvements:** Improvements to existing water mains as well as adding new water mains to improve capacity and reliability.
- **Pressure Control Station Improvements:** Improvements to the system's pressure control stations to improve and sustain pressure.
- **Pump Station Improvements:** Improvements focused on updating the District's pump stations to improve reliability, aesthetics, usefulness, safety, and serviceability.
- **Tank/Reservoir Improvements:** Improvements include renovating older tanks as well as replacing entire tanks due to age.
- **Well Capacity & Reliability Improvements:** Improvements focused on updating existing well facilities to improve overall performance.
- **Miscellaneous Improvements:** Program-level planned work required to comply with various state and federal water regulations.

### K.3.2 Other Water Purveyors

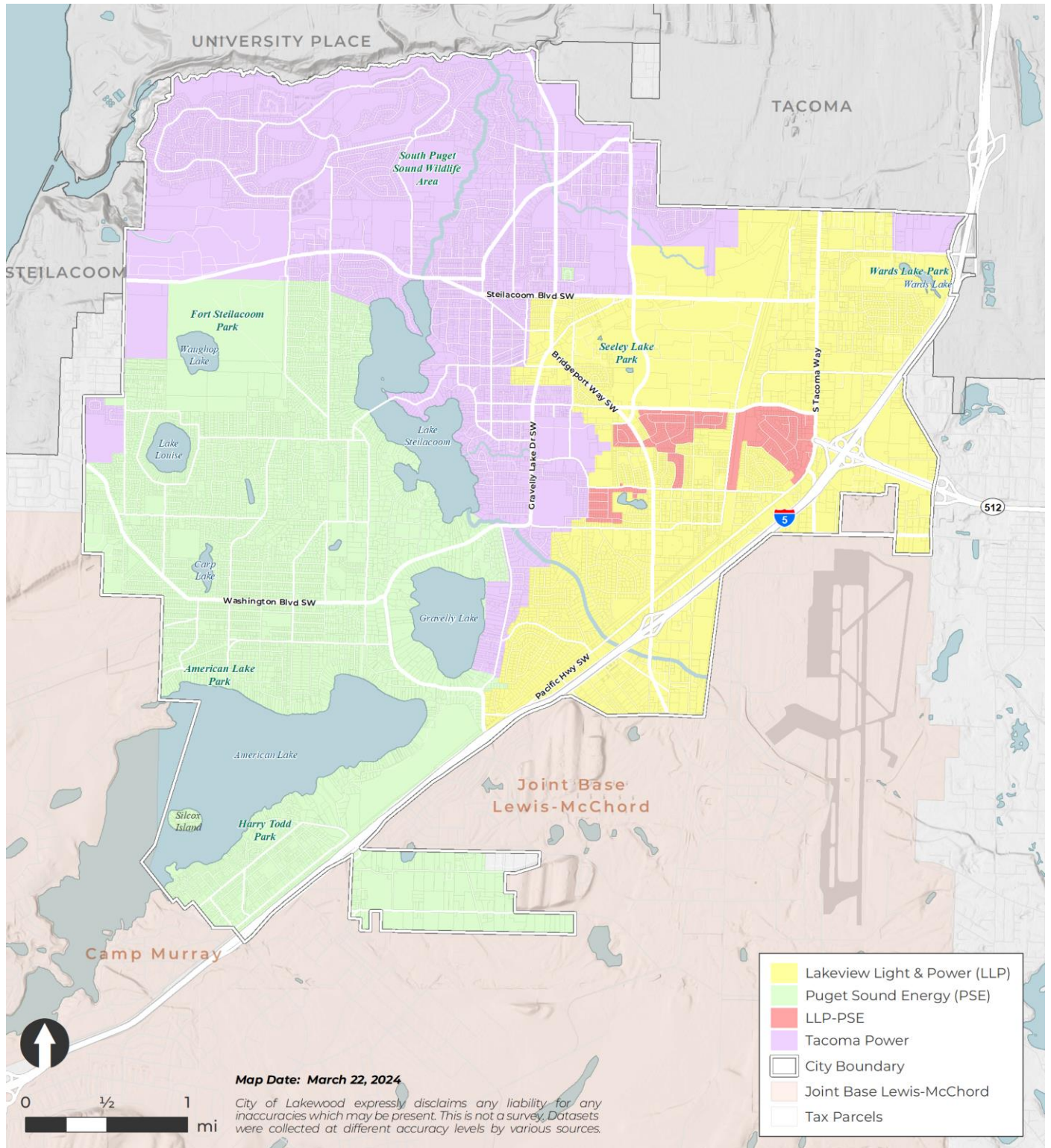
Minor portions of the city are served by the Southeast Tacoma Mutual Water Company, and the City of Tacoma. Continued service to these areas is expected to be adequate for the 20-year planning period. Western State Hospital provides its own water service. There are also private wells servicing existing mobile home parks scattered throughout Lakewood.

## K.4 Electricity

Lakewood is served by three electric utilities. In general, Tacoma Power serves the northern sections of the city, Lakeview Light and Power serves the eastern sections, and Puget Sound Energy (PSE) serves the western sections. Approximate electric service areas are illustrated in Exhibit K-3.



Exhibit K-3. Lakewood Electricity Providers.



Source: City of Lakewood, 2024; Pierce County GIS, 2024.

### **K.4.1 Lakeview Light and Power**

Lakeview Light and Power serves a large portion of eastern Lakewood, including most areas south of Steilacoom Boulevard and east of Gravelly Lake Drive. Lakeview Light and Power's service area also includes the Springbrook neighborhood, most of the area south of 112th Street SW and east of Nyanza Road SW, and west of I-5.

Approximately one-third of the projected population growth and two-thirds of the projected employment growth will occur in the Lakeview Light and Power service area. Lakeview Light and Power does not anticipate requiring any new facilities to accommodate this projected population and employment growth, provided that the future commercial and/or industrial development is not more energy intensive on a per-job basis than existing commercial and industrial development in the city.

### **K.4.2 Tacoma Power**

Tacoma Power serves most areas north of Steilacoom Boulevard. South of Steilacoom Boulevard, Tacoma Power provides service to Pierce College, Lakes High School, Lakewood Towne Center, and other areas east of Lake Steilacoom and west of the Lakeview Light and Power service area. Tacoma Power has indicated that additional substation and feeder facilities will be needed to meet projected 20-year growth, and that it continues to monitor municipal growth projections and update its utility planning accordingly.

### **K.4.3 Puget Sound Energy**

Puget Sound Energy (PSE) serves most areas south of Steilacoom Boulevard that area west of Lake Steilacoom and Gravelly Lake. Additionally, PSE serves the Tillicum and Woodbrook neighborhoods. Its Operations Planning Department is responsible for identifying future facility needs and uses information provided by Lakewood and other jurisdictions, monitoring of residential development permits, and commercial/industrial land-use applications as tools to maintain a system-wide long-range plan for electric facilities. The purveyor has indicated that facilities exist to accommodate proposed residential development, as well as proposed industrial development in the Woodbrook area, provided that industrial development would not create certain above average industrial load demands on the existing system, on either an average or peak demand basis.

New Construction: In 2010 through 2012, PSE rebuilt and relocated 4.5 miles of 55 kV transmission line to the current 115 kV standard from South Tacoma Way to the Gravelly Lake substation in Lakewood. Beginning in 2015 PSE will install a new 115 kV circuit breaker at the Gravelly Lake substation (8304 Washington SW, Lakewood). The work will be performed within the existing substation footprint. The upgrades increase reliability and serve to meet the growing demand for power within the region.

There are no other major projects being planned; however, new projects may come about due to: New or replacement of existing facilities to increase capacity requirements resulting from new construction and conversion from alternate fuels; main replacement to facilitate improved maintenance; or replacement or relocation of gas facilities caused by municipal and state projects.

## K.5 Natural Gas

Puget Sound Energy (PSE) is the sole natural gas provider for the city of Lakewood. It is estimated that PSE currently serves over 13,100 customers within the City of Lakewood.

This system includes the following:

- Natural gas comes from wells in the Rocky Mountains and in Canada and is transported through interstate pipelines by Williams Northwest Pipeline to PSE's gas station.
- Supply mains then transport the gas from the gate stations to district regulators where pressure is reduced to less than 60 psi. The supply mains are made of welded steel pipe that has been coated and is cathodically protected to prevent corrosion. These mains range in size from 4 " to 20".
- Distribution mains are fed from district regulators. They range in size from 1-1/4" to 8" and the pipe material is either polyethylene (PE) or wrapped steel (STW).
- Individual residential service lines are fed by the distribution mains and 5/8" or 1-1/8" in diameter. Individual commercial and industrial service lines are typically 1-1/4", 2" or 4" in diameter.

The company's Operations Planning Department is responsible for identifying future facility needs (based on information provided by municipalities), monitoring residential development permits, and implementing commercial/industrial land-use applications using these tools to maintain a system-wide long-range plan for natural gas facilities. The purveyor has indicated that facilities exist to accommodate proposed residential development, as well as proposed industrial development in the American Lake Gardens area, provided that industrial development would not create certain above average industrial load demand on the existing system, either on an average or peak demand basis. As regulated by the WUTC, natural gas is not considered a necessity like electricity; rather, it is a utility of convenience. Customer hook-ups to the distribution system are determined by the WUTC. PSE natural gas service is a demand driven utility and as such is prohibited from passing the cost of new construction on to the existing rate base. As driven by demand, PSE installs service for new construction and conversion from electricity or oil to natural gas.

## K.6 Telecommunications

In general, the telecommunications (cable/phone/internet) industry has changed in recent decades due to both federal deregulation and technological advancements. Many telecommunications providers now focus on "bundling" in their marketing, to entice customers to obtain their phone, internet (including wi-fi), and television (many including digital video recording and on-demand/pay-per-view) access through a single purveyor. Comcast Xfinity, DirecTV, and DISH Network are common examples in this region. At least one provider is incorporating home security monitoring into its program as well. Some customers opt for cellular service instead of the "landline" phones available in bundled services. Still others might use smart phones for both phone and internet via data plans. As a result of deregulation, the wealth of providers and service options available, and the diversity of consumer preferences, telecommunications services available within the city have not been assumed to be limited to a single or most prominent provider.

## K.7 Solid Waste

State law requires counties, in coordination with their cities, to adopt comprehensive solid waste plans for the management, handling, and disposal of solid waste for twenty years, and to update them every five years. Cities may choose to be joint participants in the plan, delegate planning to the county, or do their own plan. In Pierce County, waste management and recycling activities for all jurisdictions, including Lakewood, are coordinated under the umbrella of the Tacoma-Pierce County Solid Waste Plan.

There are three separate collection and disposal systems in the County:

- The County's system includes the unincorporated areas of the county and 19 cities and towns using the County's disposal system;
- Tacoma, as a joint participant in the plan, has its own collection utility and disposal system and the Town of Ruston operates its own collection utility, but has an inter-local agreement with Tacoma for disposal and an inter-local agreement with the County adopting the Solid Waste Plan; and
- Joint Base Lewis McChord uses the Fort Lewis disposal system but coordinates with the County on public outreach and education programs about waste reduction and recycling.

Currently in Lakewood, waste is collected by Waste Connections, a private company under contract with the city. Waste Connections offers residents solid waste and recycling collection programs.

Waste Connections also operates a transfer station located at 3902 Steilacoom Boulevard. The facility operates two 114-cubic yard (25-ton) transfer trailers which service both drop box (primarily construction material) and route collection vehicle waste. About 60% of the waste collected by Waste Connections is handled at this transfer station. The remainder is hauled by collection vehicle to Hidden Valley. The Hidden Valley facility is not open for public disposal but does have a public drop-off site for recyclables (no buyback).

An update of the Solid Waste Plan was adopted in 2000, and a supplemental document was adopted in 2008. Lakewood signed an inter-local agreement with Pierce County pursuant to the Plan. Under this agreement, the County has responsibility for overall planning, disposal and waste reduction and recycling education. Cities are responsible for collections and the development of any recycling program specific to their jurisdiction.

## K.8 Hazardous Waste

The Tacoma-Pierce County Local Hazardous Waste Management Plan was adopted by all jurisdictions in 1991. The Plan is administered by the Tacoma-Pierce County Health Department. County health staff indicate that the Plan is anticipated to be updated in 2015. The Hazardous Waste Plan was developed in accordance with RCW 70.105 to "address hazardous waste currently exempt from the State's Dangerous Waste Regulations". This type of waste is mostly household hazardous waste or small quantities from commercial generators. The Tacoma-Pierce County Health Department, Pierce County, and the City of Tacoma provide coordinated management of services, collection, and public outreach for all residents of the county for household hazardous waste.



# L Glossary

**Accessory Dwelling Unit (ADU).** A dwelling unit located on the same lot as a single-family housing unit, or duplex, triplex, fourplex, townhome, or other permitted housing unit. These can be “attached” which is located within or attached to the primary unit, or “detached” which consists partly or entirely of a building that is separate from the primary unit and is on the same lot.

**Accident Potential Zones (APZ).** Areas in the vicinity of military airfield runways where an aircraft mishap is most likely to occur if one were to occur. These areas are required to have limited development to prevent significant impacts from air accidents.

**Activity Units (AUs).** A measure of total activity used by PSRC that is calculated as the total of jobs and population.

**Affordable Housing.** Residential housing for households where monthly housing costs, including utilities other than telephone, do not exceed thirty percent of the monthly income of the household. Affordable housing is typically defined with respect to different income levels based on area median income, with 80% of median income (considered “low income”) typically used as the threshold for affordable rental housing.

**Air Installation Compatibility Use Zone (AICUZ).** A program developed by the Department of Defense to promote public health and safety and protect the operational capability of the air installation through the local adoption of compatible land use controls. These land use controls are intended to promote community growth that is compatible with the airfield operations.

**Americans with Disabilities Act (ADA).** The Act is a 1990 federal law designed to prohibit discrimination against people with disabilities in everyday activities and guarantee equal access to jobs, transportation, public facilities, and services.

**Area Median Income (AMI).** The household income that is assumed to be the median for a household within an area. For the purposes of housing, this is projected by the US Department of Housing and Urban Development and is assumed to represent the median income for a family household of four people. With respect to these calculations, Lakewood is assumed to be part of the Tacoma, WA HUD Metro Fair Market Rent Area.

**Best Available Science (BAS).** The most up-to-date information available for planning and development decision-making, which is defined and required by the Growth Management Act as per RCW [36.70A.172](#).

**Buffer.** An area contiguous with a critical area that is required for the integrity, maintenance, function, and stability of that critical area.

**Bus Rapid Transit (BRT).** A bus-based transportation system that includes additional features to deliver fast and efficient service, such as dedicated lanes, busways, traffic signal priority, off-board fare collection, elevated platforms, and enhanced stations.

**Capital Facilities.** Capital facilities are tangible assets that have a long useful life and include city and non-city operated infrastructure, buildings, and equipment. Under WAC [365-196-415](#), at a minimum, those capital facilities to be included in an inventory and analysis are transportation, water systems, sewer systems, stormwater systems, reclaimed water facilities, schools, parks and recreation facilities, and police and fire protection facilities.

**Center of Municipal Importance (CoMI).** A Center of Municipal Importance is designated to identify a local center or activity node that is consistent with regional and local planning. Such an area is intended to promote compact, pedestrian-oriented development with a mix of uses, proximity to diverse services, and a variety of appropriate housing options, or are otherwise located in an established industrial area.

**Climate Adaptation.** Actions taken to adapt to unavoidable impacts caused by climate change.

**Climate Change.** The change in global and regional climate patterns apparent from the mid- to late-twentieth century onward and attributed to increased levels of atmospheric carbon dioxide from the use of fossil fuels.

**Climate Resilience.** The ongoing process of anticipating, preparing for, and adapting to changes in climate and minimizing negative impacts to our natural systems, infrastructure, and communities.

**Comprehensive Land Use Plan, Comprehensive Plan, or Plan.** A generalized coordinated land use policy statement of the governing body of a county or city that is adopted pursuant to Chapter [36.70A](#) RCW.

**Concurrency.** A state planning requirement to ensure that needed services and facilities are in place by the time development is completed and to be occupied, or that funding has been committed to provide such services within 6 years, as per RCW [36.70A.070\(6\)\(b\)](#) and WAC [365-196-840](#).

**Consistency.** A measure of whether any feature of the Comprehensive Plan or a regulation is incompatible with any other feature or a plan or a regulation. The Growth Management Act addresses consistency in three ways: (1) internal consistency of comprehensive plans, (2) consistency of zoning and regulations with the comprehensive plan, and (3) consistency with other jurisdictions.

**Cost Burden.** A measure of the percent of household income spent on housing and housing-related expenditures. Households that spend more than 30% of their gross income on housing, including utilities, are considered “cost-burdened”, while households spending more than 50% of their gross income are considered “severely cost-burdened”.

**Cottage Housing.** Detached residential units on a lot with a common open space that either: (a) is owned in common; or (b) has units owned as condominium units with property owned in common and a minimum of 20% of the lot size as open space.

**Cottage.** A detached, primary dwelling unit with a footprint of 1,000 square feet or less.



**Countywide Planning Policies (CPPs).** Under the Growth Management Act, counties and cities are required to collaboratively develop countywide planning policies to set the general framework for coordinated land use and population planning under RCW [36.70A.210](#).

**Courtyard Housing.** Up to eight attached dwelling units arranged on two or three sides of a yard or a court.

**Covered Employment.** Employment covered under state unemployment insurance which is identified as part of labor statistics in the state. Covered employment does not typically include self-employed workers, proprietors, and other non-insured workers.

**Critical Aquifer Recharge Areas.** Areas that are determined to have a critical recharging effect on aquifers used for potable water.

**Critical Areas Ordinance (CAO).** An ordinance provided under city code to protect the functions and values of ecologically sensitive areas while allowing for reasonable use of private property, through the application of best available science; implement the GMA and the natural environment goals of the Comprehensive Plan; and protect the public from injury and loss due to slope failures, erosion, seismic events, volcanic eruptions, or flooding.

**Critical Areas.** Areas and ecosystems that require protection of resources important to the natural environment, wildlife habitats, and sources of fresh drinking water. Under RCW [36.70A.030](#)(6), there are five types of critical areas: (a) wetlands; (b) areas with a critical recharging effect on aquifers used for potable water; (c) fish and wildlife habitat conservation areas; (d) frequently flooded areas; and (e) geologically hazardous areas.

**Density.** A measure of the intensity of residential development, usually expressed as the number of people, jobs, or housing units per acre.

**Development Regulation.** Controls placed on the development or land use activities including, but not limited to, zoning ordinances, critical areas ordinances, shoreline master programs, official controls, subdivision ordinances, and binding site plan ordinances.

**Displacement.** The relocation of current residents or businesses from their current location due to external factors. Displacement can be physical (e.g., the demolition or removal of a housing unit), economic (e.g., relocation due to rising rents), and/or cultural (e.g., ongoing displacement in a local cultural community hastened due to fewer social connections).

**Duplex.** Two primary attached dwelling units on a lot in any configuration intended for two separate households. Note that a single-family dwelling unit with an attached or detached accessory dwelling unit is not a duplex.

**Dwelling Unit.** One or more rooms located within a structure, designed, arranged, occupied, or intended to be occupied by one or more persons as living accommodations.

**Easement.** A grant by the property owner to the public, a corporation, or persons, of the use of land for a specific purpose and on or over which the owner will not erect any permanent improvements which serve to interfere with the free exercise of that right.

**Environmental Impact Statement (EIS).** A document that identifies potential environmental impacts of a proposed project or action, as required under the State Environmental Protection Act. This can include potential impacts on earth, water resources, plants and animals, land use patterns and environmental justice, plans and policies, population and employment, housing, aesthetics, cultural and historic resources, transportation, public services, and utilities.

**Essential Public Facility.** Capital facilities of a countywide or statewide nature which have characteristics that make them extremely difficult to site. Essential public facilities include, but are not limited to, sewage treatment plants, reservoirs, electrical substations and transmission lines, local airport and port facilities, landfills and solid waste transfer stations, senior high schools, community colleges, four-year colleges and universities, correctional institutions, special population diagnostic or treatment facilities, opioid treatment programs (including both mobile and fixed-site medication units), recovery residences, harm reduction programs (excluding safe injection sites), and inpatient facilities (including substance use disorder treatment facilities, mental health facilities, group homes, community facilities, and secure community transition facilities), stormwater retention or detention facilities serving large drainage basins, and major transit facilities.

**Fish and Wildlife Habitat Conservation Areas.** Areas necessary for maintaining species in suitable habitats within their natural geographic distribution so that isolated subpopulations are not created.

**Floor Area Ratio (FAR).** A measure of development intensity calculated as the gross building area of qualifying improvements on a site divided by the net area of a parcel of property. This is typically expressed as a decimal (not as a percentage).

**Fourplex.** A building consisting of four primary attached dwelling units intended for four separate households on a lot in any configuration.

**Frequently Flooded Areas.** Lands in the floodplain subject to a 1% or greater chance of flooding in any given year. These areas could include, but are not limited to, streams, lakes, wetlands and their associated floodplains, flood fringes or the Federal Emergency Management Agency (FEMA) floodway. A flood hazard area consists of the floodplain, flood fringe, and FEMA floodway.

**Future Land Use.** Policy designations in the Comprehensive Plan that describe use types, densities, and intensities allowed in different areas of the city.

**Land Use Designations Map (LUDM)** . A required component of the Comprehensive Plan that shows the proposed physical distribution and location of the various land uses during the planning period.

**Geologically Hazardous Areas.** Areas that may not be suited to development consistent with public health, safety, or environmental standards, because of their susceptibility to erosion, sliding, earthquake, or other geological events. Types of geologically hazardous areas include erosion, landslides, and seismic hazards.

**Goal.** A broad, general statement of the community's desired long-term future state. Goals indicate what ought to exist in the community or what is desired to be achieved in the future.

**Growth Management Act (GMA).** The 1990 State Growth Management Act (Chapter [36.70A](#) RCW), as amended. This statute provides the basis for much of the urban planning in the state of Washington and includes requirements for comprehensive planning for communities.

**Habitat.** The place or type of site where a plant or animal naturally or normally lives and grows.

**High-Occupancy Vehicle (HOV).** A motor vehicle with two or more people traveling in it. This may include carpools, vanpools, and transit.

**High-Capacity Transit (HCT).** Public transportation services within an urbanized region operating principally on exclusive rights-of-way, and the supporting services and facilities necessary to implement such a system, including interim express services and high occupancy vehicle lanes, which taken as a whole, provides a substantially higher level of passenger capacity, speed, and service frequency than traditional public transportation systems operating principally in general purpose roadways (RCW [81.104.015](#)).

**Household.** A group of people, related or unrelated, living within the same housing unit. This can include a person living alone, a family, or roommates.

**Impervious Surface.** A surface that cannot be easily penetrated by water, such as buildings or concrete paving.

**Income-Restricted Housing** or **Rent-Restricted Housing.** Housing units subject to a regulatory agreement, covenant, or other legal document on the property title requiring them to be available to households that can document their incomes as being at or below a set income limit and are offered for rent or sale at below-market rates.

**Infill Development.** Projects that build new structures on vacant or underutilized land in areas that were previously developed, typically without demolishing existing structures.

**Infrastructure.** Public and private physical assets that provide services necessary to support existing and future development, such as roads, public buildings, schools, parks, transportation, water, sewer, surface water and communication systems.

**Level of Service (LOS).** A measure of the performance of a public facility in providing necessary functions to meet public needs and expectations.

**Location Quotient.** The ratio of the proportion of local employment in a sector to the proportion of regional employment in the sector.

**Major Transit Stop.** A stop on a high-capacity transportation system such as commuter rail stops, stops on rail or fixed guideway systems, and stops on bus rapid transit routes.

**Manufactured Home.** A structure designed and constructed to be transportable in one or more sections and built on a permanent chassis, and designed to be used as a dwelling with or without a permanent foundation when connected to the required utilities that include plumbing, heating, and electrical systems contained therein.

**Manufactured Housing Community.** A site divided into two or more manufactured home lots for sale or lease and intended for permanent residential use.

**Market-Rate Housing.** Housing which is bought, sold, and/or rented in the open market with no restrictions on the purchase price or rent charged.

**Middle Housing.** Buildings that are compatible in scale and, form, and character with single-family detached houses and contain two or more attached, stacked, or clustered homes including duplexes, triplexes, fourplexes, townhouses, courtyard apartments, and cottage housing.

**Mixed Use Development.** A project that combines more than one general category use on a site, such as residential, office, or retail. This can include “vertical” mixed-use where these uses are found in the same structure, or “horizontal” mixed-use where different uses are found in adjacent buildings on the same site.

**Mode Split.** The proportion of trips that use different modes of transportation.

**Mode.** A particular category of travel, such as walking, bicycling, driving alone, carpool/vanpool, bus/transit, ferry, or airplane.

**Municipal Code** or the **Lakewood Municipal Code (LMC).** The local law of the municipal corporation of Lakewood, duly enacted by the proper authorities, prescribing general, uniform, and permanent rules of conduct relating to the corporate affairs of the municipality.

**Multicounty Planning Policy (MPP).** An official statement adopted in VISION 2050 to provide guidance for regional decision-making, as well as a common framework for countywide planning policies and local comprehensive plans.

**Multifamily Housing** or **Apartment.** A structure containing five or more attached dwelling units located on a lot.

**Multimodal.** Issues or activities which involve or affect more than one mode of transportation, such as transportation connections, choices, cooperation, and coordination of various modes.

**National Pollutant Discharge Elimination System (NPDES).** A federal permit program created in 1972 by the Clean Water Act which addresses water pollution by regulating point sources that discharge pollutants to waters of the US.

**Nonconforming Use.** The use of a land or structure which was lawful when established but no longer conforms to current regulations. Typically, nonconforming uses are permitted to continue, subject to certain restrictions.

**Nonmotorized Transportation.** Any mode of transportation that utilizes a power source other than a motor, such as bicycling or walking.

**Nonpoint Source Pollution.** Pollution that enters water from dispersed and uncontrolled sources (such as surface runoff) rather than through pipes.

**On-Street Parking.** Parking provided within the public right-of-way of a street.

**Open Space.** A parcel or area of land that is essentially unimproved and devoted to the preservation of natural resources, the managed production of resources, and/or passive or low-impact recreation.

**Permanent Supportive Housing (PSH).** Subsidized, leased housing with no limit on length of stay intended for people who need comprehensive support services to retain tenancy and admissions practices that can lower barriers to entry related to rental history, criminal history, and personal behaviors. Permanent supportive housing is paired with off-site voluntary services for behavioral health and physical health conditions intended to help residents retain their housing and be a successful tenant in a housing arrangement, improve their health status, and connect them with community-based health care, treatment, or employment services.

**Planned Action.** A planned action is a development project whose impacts have been addressed by an Environmental Impact Statement associated with a plan for a specific geographic area before individual projects are proposed. Such up-front analysis of impacts and mitigation measures then facilitates environmental review of subsequent individual development projects.

**Planning Period.** The 20-year period following the adoption of a comprehensive plan, or such longer period as may have been selected as the initial planning horizon by the planning jurisdiction.

**Plex.** A building that consists of two to six primary attached dwelling units intended for separate households on a lot in any configuration.

**Point Source Pollution.** A source of pollutants from a single, identifiable point of conveyance such as a pipe. For example, the discharge pipe from a sewage treatment plant is a point source.

**Policy.** A principle, protocol, or proposal for action that supports a related goal. Policies are decision-oriented statements that guide the legislative or administrative body while evaluating a new project or proposed change in ordinance.

**Public Facilities and Services.** Facilities, infrastructure, and services that provide a specific public benefit, including sanitary and storm sewer systems, water supply, energy, public safety, and emergency services, schools, libraries, and other facilities. These facilities and services are provided by governments, contracted for or by governments, or provided by private entities subject to public service obligation.

**Puget Sound Regional Council (PSRC).** The PSRC is a regional planning and decision-making body for growth and transportation issues in King, Kitsap, Pierce, and Snohomish counties. Under federal transportation law, the Council is the Metropolitan Planning Organization (MPO) responsible for regional transportation planning and programming of federal transportation funds in the four counties. It is also the designated Regional Transportation Planning Organization for the four counties. PSRC manages the adopted regional growth strategy, VISION 2050 (see below).

**Redevelopable Land.** Non-vacant parcels currently in use with structures and improvements on the site, but not considered to be at their “highest and best use”. These sites are potential locations for new projects where existing improvements on the site are demolished and new buildings and improvements can be constructed.

**Regional Growth Center.** A mixed-use center formally designated by PSRC that includes housing, employment, retail, and entertainment uses. Regional growth centers are pedestrian-oriented, which

allows people to walk to different destinations or attractions and are well-served by transit. Regional growth centers are planned for significant additional growth. Downtown Lakewood is the only PSRC designated regional growth center in the city.

**Regional Growth Strategy.** The approach for distributing population and employment growth within the four-county central Puget Sound region included as part of VISION 2050.

**Regulation.** A rule or directive found in city ordinances or the municipal code that meets the public interest and need and supports the community's framework vision, guiding principles, and goals and policies.

**Right-of-Way.** The right-of-way is the right to pass over the property of another. It refers to a strip of land legally established for the use of pedestrians, vehicles, or utilities.

**Secure Community Transition Facility (SCTF).** A residential facility for persons civilly committed and conditionally released to a less restrictive environment. A secure community transition facility has supervision and security, and either provides or ensures the provision of sex offender treatment services.

**Shoreline Master Program (SMP).** Local land use policies and regulations that guide the public and private use of Washington shorelines under the State Shoreline Management Act (Chapter [90.58](#) RCW).

**Single-Occupancy Vehicle (SOV).** A motor vehicle occupied only by a driver.

**Single-Family Attached Housing.** A primary dwelling unit designed for occupancy by one household located on a lot and sharing at least one wall with another attached dwelling unit.

**Single-Family Detached Housing.** A primary dwelling unit designed for occupancy by one household located on a lot and not sharing any walls with other primary dwelling units.

**South Sound Military & Communities Partnership (SSMCP).** An organization with a membership consists of more than fifty cities, counties, tribes, nonprofits, corporations, organizations, and JBLM, formed in 2011 to foster communication and mutual benefits related to complex issues affecting the military and civilian communities.

**Special Needs Housing.** Housing that is provided for persons, and their dependents who, by virtue of disability or other personal factors, face serious impediments to independent living and who require special assistance and services in their residence. Special needs housing may be permanent, long term or transitional basis.

**Species of Local Importance.** Those species of local concern due to their population status or their sensitivity to habitat manipulation, or that are game species.

**State Environmental Policy Act (SEPA).** The State Environmental Policy Act, or Chapter [43.21C](#) RCW, is the state law passed in 1971 requiring State and local agencies to consider environmental impacts in the decision-making process.

**Stormwater.** Water that falls as rain and flows across the ground, which is typically directed to drains in an urban area to collect the water and eventually direct it to streams, lakes, or other large water bodies.



**Streetscape.** The physical and aesthetic characteristics of a street, including elements such as structures, access, greenery, open space, view, lighting, etc.

**Townhouse.** One of multiple attached primary dwelling units that extend from foundation to roof and that have a yard or public way on not less than two sides.

**Transit.** Motorized public transportation, including public bus, bus rapid transit, and commuter rail.

**Tree Canopy.** The layer of leaves, branches, and stems that provide tree coverage of the ground when viewed from above. See also urban forest.

**Transitional Housing (TH).** A facility that provides housing and supportive services for up to two years to individuals or families experiencing homelessness to enable them to move into independent living and permanent housing.

**Transition Plan.** A plan under the ADA that is required under [28 CFR 35.150](#) to outline the steps necessary to make city facilities more accessible and provide a schedule for compliance under the ADA.

**Transportation Analysis Zone (TAZ).** A unit of geography that is typically used for transportation and utility modeling.

**Transportation Demand Management (TDM).** A program used to maximize travel choices for people and encourage a more efficient use of transportation systems. These strategies are meant to reduce congestion, ease traffic, and improve the range of transportation options available by encouraging carpooling, biking, public transit, or telecommuting.

**Trip Generation.** The number of trips made to and from each type of land use by day. Trip generation provides the linkage between land use and travel.

**Trip.** A one-direction movement which begins at an origin and ends at a destination, which is the typical unit of transportation planning.

**Triplex.** A building consisting of three primary attached dwelling units on a lot in any configuration intended for three separate households.

**U.S. Department of Housing and Urban Development (HUD).** The federal agency responsible for housing programs. HUD sets income limits for metropolitan areas and counties across the country that determine eligibility for income-restricted housing units.

**Undergrounding.** The construction or relocation of electrical wires, telephone wires, and similar facilities underground.

**Undevelopable Land.** Land unsuitable for development due to site conditions and not considered as part of the inventory of development capacity in the city.

**Urban Growth Area (UGA).** An unincorporated area designated under the Growth Management Act to accommodate projected growth over the next 20 years. A UGA may include areas that are provided urban services, such as sanitary sewer and water.

**Urban Growth.** Growth that makes intensive use of land for the location of buildings, structures, and impermeable surfaces to such a degree as to be incompatible with the primary use of land for the production of food, other agricultural products, or fiber, or the extraction of mineral resources, rural uses, rural development, and natural resource lands designated pursuant to RCW [36.70A.170](#). When allowed to spread over wide areas, urban growth typically requires urban governmental services. "Characterized by urban growth" refers to land having urban growth located on it, or to land located in relationship to an area with urban growth on it as to be appropriate for urban growth.

**Urban Forest.** The trees and associated understory plants existing in the city, extending across public property, private property, and the right of way including parks and natural areas, as well as the trees along streets and in yards.

**Vehicle Miles Traveled (VMT).** A measurement of the total miles traveled by all vehicles for a specified period. For transit, the number of vehicle miles operated on a given route, line, or network during a specified period.

**VISION 2050.** The long-range growth management, environmental, economic, and transportation strategy for King, Pierce, Snohomish, and Kitsap counties. It was adopted by the Puget Sound Regional Council in October 2020 and is endorsed by more than one hundred member cities, counties, ports, state and local transportation agencies, and Tribal governments within the region.

**Watershed.** All the land and water that drains toward a particular river, stream, or other body of water. A watershed includes hills, lowlands, and the body of water into which the land drains.

**Wetlands.** Areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands do not include those artificial wetlands intentionally created from non-wetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities, or those wetlands created after July 1, 1990, that were unintentionally created as a result of the construction of a road, street, or highway. Wetlands may include those artificial wetlands intentionally created from non-wetland areas to mitigate the conversion of wetlands if permitted by the city.

**Zoning Overlay.** Areas that are subject both to underlying regulations from a zoning district and additional requirements imposed by an overlay district. The overlay district provisions apply if they conflict with the provisions of the underlying zone.

**Zoning.** A category of land use regulations that manage the use and development of land for distinct, identified areas.

# Tillicum-Woodbrook Subarea Plan (TWSP)

**DRAFT | April 2024**

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# Executive Summary

The Tillicum-Woodbrook Subarea Plan (TWSP) represents a significant update and expansion to the original 2011 Tillicum Neighborhood Plan, which now includes the Woodbrook area to reflect their shared community interests and geographical proximity. This strategic planning document is aligned with the City of Lakewood's Comprehensive Plan, detailing specific goals, policies, and actions designed to guide development and enhance community cohesion over the next two decades. The update aims to address uncompleted actions from the previous plan and integrates new objectives based on extensive community feedback and current socioeconomic data.

The TWSP highlights key areas of focus such as housing diversity, economic development, transportation, and environmental resilience, aimed at fostering a sustainable community that accommodates growth while preserving quality of life. Significant changes include initiatives to increase residential density, create new community and civic spaces, and enhance multimodal transportation options to improve connectivity within the subarea and the broader Lakewood region. These efforts are underpinned by the desire to support a thriving community that reflects its rich diversity and historical heritage.

Additional investments in infrastructure and public services are prioritized to support the community's social and economic needs. This includes expanding public access to American Lake, improving local educational facilities, and fostering economic opportunities through strategic partnerships with local businesses and regional agencies. The plan also places a strong emphasis on environmental stewardship, advocating for sustainable development practices and the protection of local natural resources, particularly American Lake and surrounding ecosystems.

The goals outlined in the TWSP include the following:

- Goal #1:** Celebrate the Tillicum-Woodbrook Community Center, Tillicum Elementary School, Harry Todd Park, and Pierce County Library branch as the heart of the Tillicum-Woodbrook Subarea.
- Goal #2:** Increase visibility of Tillicum's and Woodbrook's diverse community by investing in leadership development and the neighborhood's ability to advocate for community needs.
- Goal #3:** Diversify Tillicum's and Woodbrook's housing options to support current residents in Lakewood.

- Goal #4:** Connect Tillicum and Woodbrook to Lakewood and Pierce County through a multi-modal transportation network to increase access to employment and social activities.
- Goal #5:** Increase economic development opportunities within Tillicum and Woodbrook.
- Goal #6:** Protect Tillicum and Woodbrook’s natural environment and increase adaptability and resiliency for Tillicum and Woodbrook as communities significantly impacted by air quality and climate change.



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# Introduction

The Tillicum Neighborhood Plan (TNP) was originally adopted in 2011. In 2022, the City of Lakewood produced a status report of the Tillicum Neighborhood Plan's implementation and adopted an Addendum to the TNP explaining progress to date to make the Plan's vision a reality. While much has been accomplished to realize the visions and priorities discussed in the original Tillicum Neighborhood Plan, many of the plan's Action Items are not yet complete.

In September 2022, the city announced that the Tillicum Neighborhood Plan would be replaced with a Tillicum-Woodbrook Subarea Plan (TWSP) as part of the 2024 Comprehensive Plan Periodic Review (24CPPR) process. While the 2011 Plan boundaries were reserved to the Tillicum neighborhood north of I-5, the 2024 update incorporated the Woodbrook area south of I-5 due to the historical community connection between the two areas.

# Background

## Relationship to the Comprehensive Plan

The City of Lakewood Comprehensive Plan guides the City's overall strategy for growth and development over a twenty-year horizon. It sets the goals and policies for a variety of topics, such as land use, housing, economic development, climate and resiliency, transportation, and the environment. The city has several subarea plans that are recognized in and complement the Comprehensive Plan, including the Tillicum-Woodbrook Subarea Plan, Lakewood Station District Subarea Plan, and Downtown Subarea Plan.

Subarea plans are long-range plans for a specific geography within a jurisdiction. Subarea plans are to be in alignment with the Comprehensive Plan and the City's overall land use strategy but offer the opportunity for more tailored planning to help articulate and implement a subarea's vision, values, and priorities.

## Planning Area

The boundaries of the Tillicum neighborhood and Woodbrook area are provided in **Exhibit 1**. Located in southeast Lakewood, the area is bounded by I-5 and the former Burlington Northern Santa Fe (BNSF) (now owned by Sound Transit) railroad to the southeast, Camp Murray to the southwest, the American Lake shoreline to the northwest, and private gated communities to the northeast.

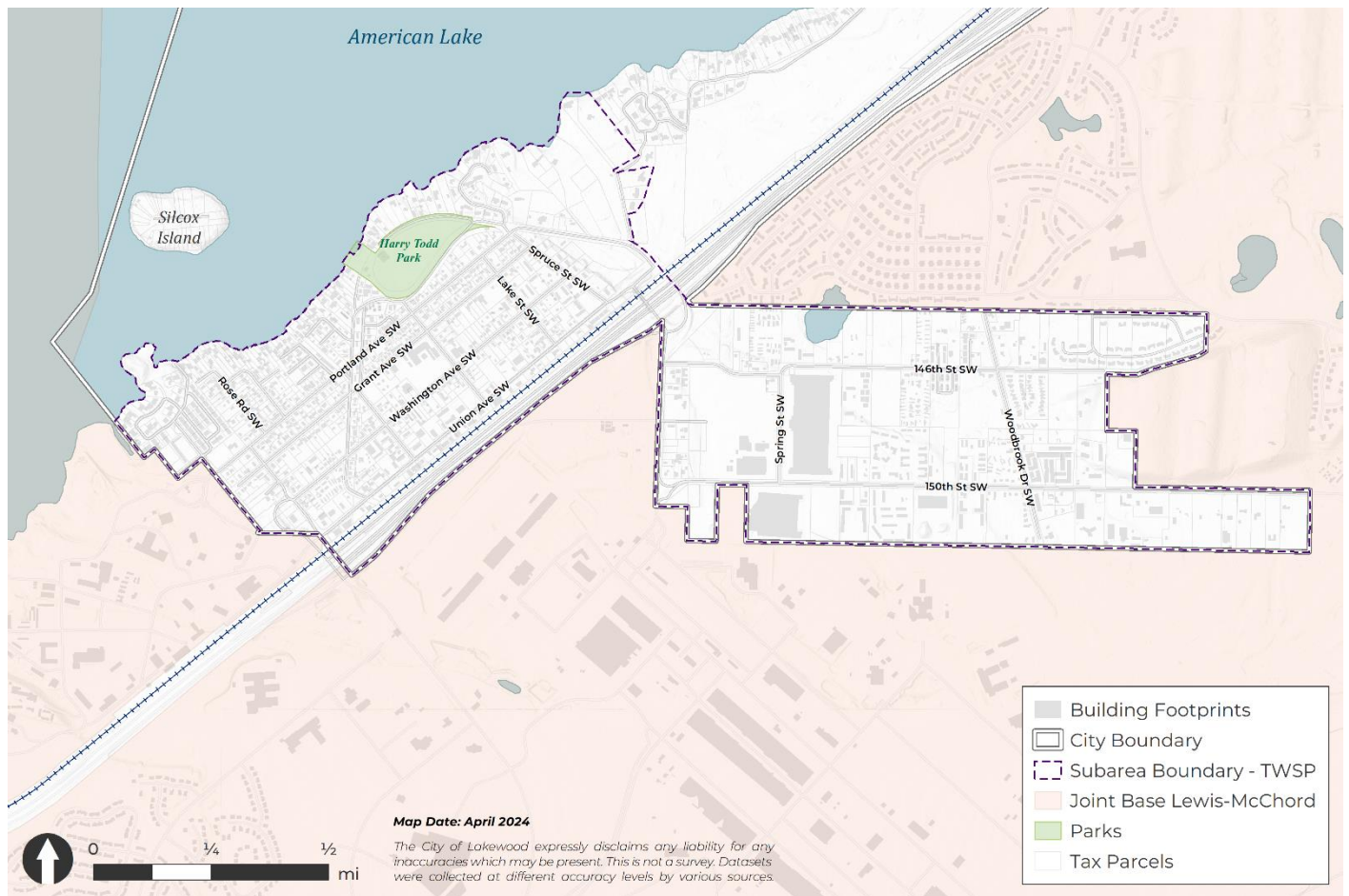
**Exhibit 2** shows current land use in Tillicum and Woodbrook. The western portion of Tillicum includes single-family residential development with a few multi-unit residential buildings. Commercial development is concentrated between Washington Avenue SW and Union Avenue SW, though there are small pockets of commercial uses in the residential areas. There is one park, Harry Todd Park, in the northwest corner of Tillicum. Woodbrook, across I-5 from Tillicum, contains industrial uses, as well as some commercial and multi-unit residential development. The city rezoned many parcels in Woodbrook in the 2010's to reflect the vision of the city that it would be an area for industrial and warehouse uses.

**Exhibit 3** shows key landmarks within the Tillicum-Woodbrook Planning Area. Landmarks are important components of a community and are individual structures or points. They are external points of reference to guide movement and provide orientation. Notable landmarks in the Tillicum-Woodbrook Planning Area include:

- Harry Todd Park
- Thornewood Castle
- Commencement Bay Rowing Club

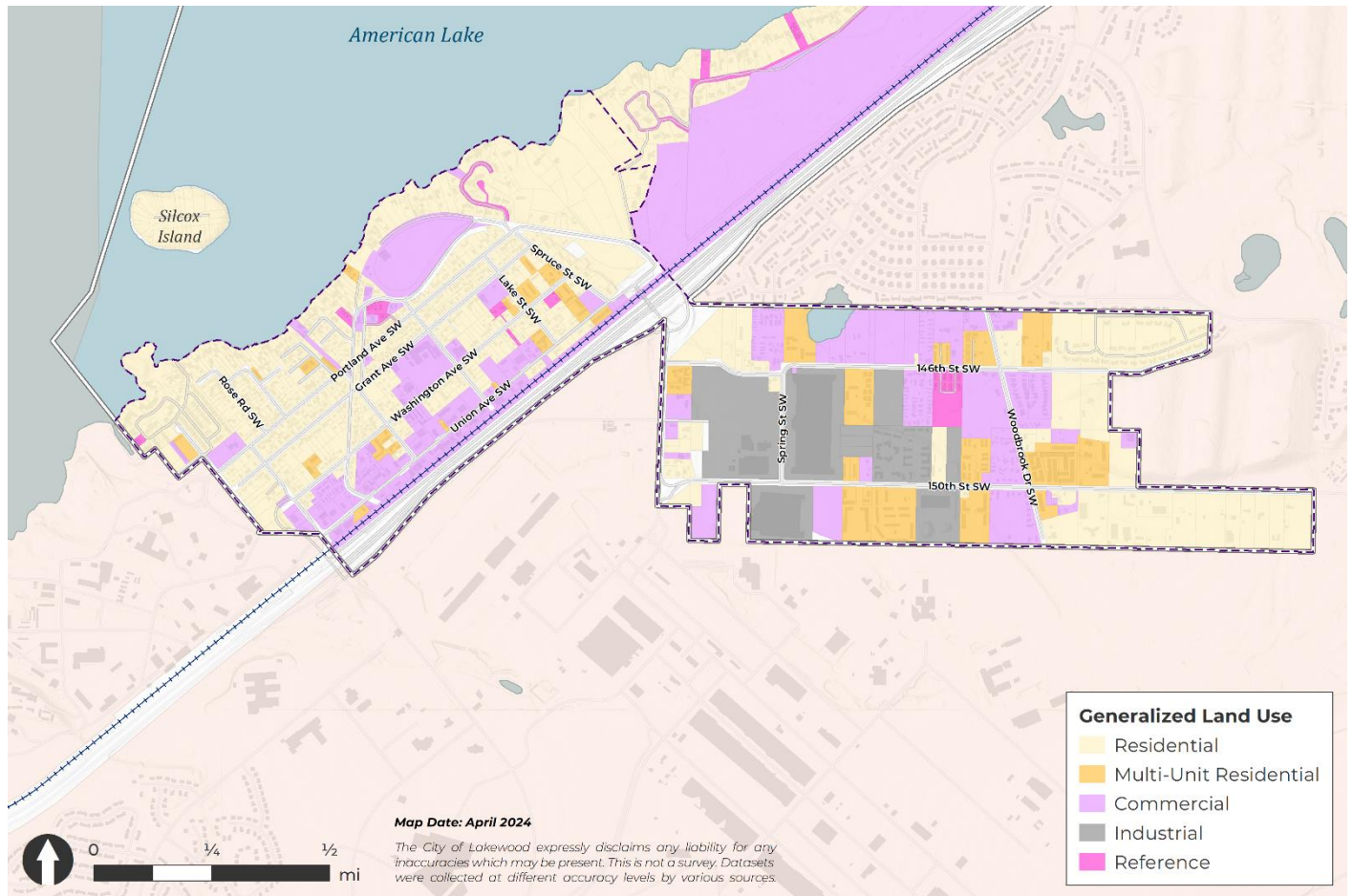
- Tillicum Elementary School
- Tillicum Pierce County Library
- West Pierce Fire and Rescue Station 23
- YFC Tillicum Youth and Family Center
- Veteran’s Foreign Wars (VFW)
- New Testament Christian Church of Woodbrook
- Woodbrook Community Church Media Ministry
- Woodbrook Stables and Events Center

**Exhibit 1. Tillicum-Woodbrook Planning Area.**



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.

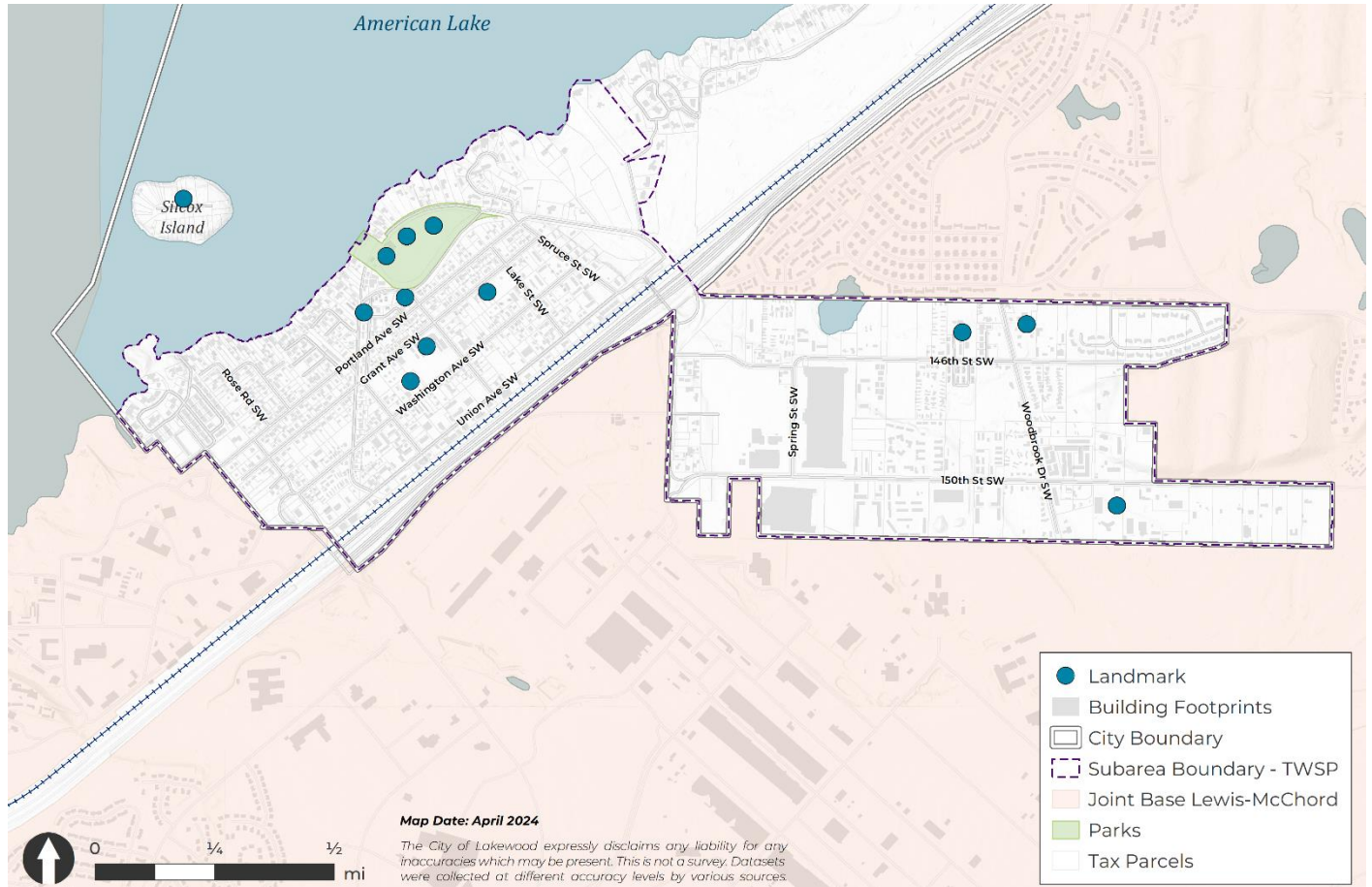
Exhibit 2. General Land Use – Tillicum-Woodbrook Planning Area.



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



Exhibit 3. Landmarks – Tillicum-Woodbrook Planning Area.



Sources: City of Lakewood, 2024; Pierce County GIS, 2024.



## Planning History

Development in the Tillicum and Woodbrook areas pre-dated the City's 1996 incorporation. Since the Tillicum Neighborhood Plan was developed by the City of Lakewood in 2009, in addition to the extensive sewer extensions that have been brought into Tillicum by the City, several other regional and citywide planning efforts have occurred or are currently underway. Planning efforts focused on the Tillicum-Woodbrook Planning Area are described briefly below. More information on regional and citywide planning efforts can be found in **Appendix A: Tillicum-Woodbrook Existing Conditions Report**.

- **Transportation Improvements (2021-2025):** Washington State Department of Transportation (WSDOT) is developing the Gravelly Thorne Connector, a non-motorized, shared use path that will provide much needed pedestrian and bicycle connection to and from Tillicum without having users on Sound Transit railroad right-of-way or the shoulder of I-5. Despite a two-year delay in schedule due to inflationary impacts and recent WSDOT retirements, construction of the path is expected to be complete in July 2026. Despite the delays, some improvements have been completed, including the creation of a dedicated I-5 northbound auxiliary lane from the Thorne Lane interchange to the Gravelly Lake Drive interchange and a dedicated I-5 southbound auxiliary lane from the Gravelly Lake Drive interchange to the Thorne Lane interchange. These were created specifically to connect the Tillicum and Woodbrook neighborhoods to the rest of the City of Lakewood.
- **Mixed Residential 2 (MR2) Rezone (2022):** In 2022, the City of Lakewood rezoned several properties in Tillicum from Single Family Residential (3) to Mixed Residential 2 (MR2). The MR2 zone, along with the Mixed-Residential 1 (MR1) promotes residential renewal to small-lot detached single-family residential dwellings, attached single-family dwellings, two-family residential development, and small-scale multifamily development. These zones provide for moderate residential density using a variety of urban housing types and designs. The mix of housing may take a variety of forms, either mixed within a single site or mixed within a general area. Development standards for the Mixed Residential zones are intended to encourage increased residential densities.
- **Tillicum Center of Municipal Importance (COMI) Boundaries Expansion (2022):** In 2022, the City updated the boundaries of the Tillicum COMI to better reflect current land use zoning.
- **Opportunity Zones (2017):** The federal Opportunity Zone program was created through the 2017 Tax Cuts and Jobs Act. This program provides tax incentives through the form of a deferral on capital gains tax to encourage investors to create an Opportunity Zone Fund to invest in businesses and development projects in low-income census tracts. Each state can label up to 25% of low-income census tracts as an Opportunity Zone for investment. Within Lakewood, there are three census tracts that have been identified, including in the TWSP subarea. The goal of the program is to see investment in geographic areas that have historically had a lack of investment to spur economic growth. The hope of the program is to create a pathway for public/private partnerships for new business opportunities. However, there are no real provisions or recommendations on what kind of investment can

be made. Additional outreach and strengthened partnerships between neighborhood leaders and City staff will be critical in establishing a joint vision for what Tillicum and Woodbrook can be in the next 20 years.

- Woodbrook Business Park:** In 2000-1, the City of Lakewood created a 117.5-acre industrial zoned area in Woodbrook to stimulate sewer extension and to bring jobs to the area. Since then, the city has extended the Industrial Zoning to more than 188 acres in Woodbrook and has completed sewer connection improvements in the area. The area is referred to as the Woodbrook Business Park. See **Exhibit 4**.

**Exhibit 4. Woodbrook Business Park – January 2022**



Source: City of Lakewood, 2024.

# Goals and Policies

This section consists of goals, policies, and actions. Goals are broad statements that express the vision for what a community should be and/or offer its residents, workers, and visitors. Policies offer direction for how the City can work towards those goals, and actions are specific things that the City can do to achieve the goals and implement the vision for the community.

This section includes the incomplete “tasks” (now labeled as policies) and actions identified in the 2022 Addendum to the 2011 Tillicum Neighborhood Plan. Edits to these policies and actions are shown to include Woodbrook, reflect updated community feedback, and to reflect lessons learned from the Existing Conditions Report (ECR). These policies and actions have been sorted under six newly developed goals, which were also informed by community feedback and the ECR. For a list of all of the 2011 TNP actions done or ongoing, please see the [2022 Addendum to the 2011 Tillicum Neighborhood Plan](#).

New policies and actions have also been developed to further support each of the six goals and are labeled as such.

**Goal #1: Celebrate the Tillicum-Woodbrook Community Center, Tillicum Elementary School, Harry Todd Park, and Pierce County Library branch as the heart of the Tillicum-Woodbrook Subarea.**

The Tillicum-Woodbrook Community Center, Tillicum Elementary School, Harry Todd Park, and Pierce County Library offer a variety of services to the community and are gathering spaces for community members to come together. Transportation and land use decisions should support adequate mobility, and social and economic opportunities to support these centers as the lifeline of the neighborhood.

**Policy 1.1** Encourage public and private investment in human services, Tillicum-Woodbrook Community Center, Tillicum Elementary School, and the arts.

*Actions related to Policy:*

- Build administrative and programming capacity of the Tillicum-Woodbrook Community Center through continued partnerships in programming and supporting local planning efforts.
- Identify and encourage financial support to Tillicum-Woodbrook Community Center, including for needed physical improvements.
- Continue to support Tillicum Elementary School in Tillicum as a critical part of the community that should be retained in its current location.

**Policy 1.2** Expand public access to American Lake to increase recreation opportunities for all residents.

*Actions related to Policy:*

- Expand public access to shorelines.
- Identify additional opportunities to provide public access to American Lake within Tillicum, including access for residents with disabilities.
- Invest in non-motorized connections to American Lake from Woodbrook.

**Policy 1.3** Support youth activities and programs.

*Actions related to Policy:*

- Identify and appropriate funding to provide recreational activities and life skills programs for youth.
- Improve facilities in community centers, schools, and parks to provide youth facilities for after-school and weekend activities for youth.

**Goal #2: Increase visibility of Tillicum’s and Woodbrook’s diverse community by investing in leadership development and the neighborhood’s ability to advocate for community needs.**

Compared to Lakewood, Tillicum and Woodbrook are becoming more diverse at a faster pace. The city should continue to bolster its relationship with stakeholders and continue to respond to neighborhood concerns to build the neighborhoods’ identities as a home for families.

**Policy 2.1 Invite all Lakewood residents to visit Tillicum-Woodbrook and celebrate its identity as a family-friendly neighborhood and as a regional destination.**

*Actions related to Policy:*

- Host City events at Harry Todd Park and other community spaces in Tillicum-Woodbrook.
- In partnership with community members and organizations, establish a gateway enhancement program at the entrances to Tillicum and Woodbrook.

**Policy 2.2 Support and encourage community-based leadership development and capacity building through regular communication with neighborhood and civic organizations.**

*Actions related to Policy:*

- Work with the Tillicum-Woodbrook community toward identifying and resolving community issues.
- Engage Tillicum-Woodbrook community members on future planning processes and capital projects.
- Develop clear communication procedures to ensure City staff are accessible to community members and support relationship-building between the city leadership and the community.
- Identify and encourage opportunities for administrative and financial support for community-led planning processes, projects, and initiatives in Tillicum and Woodbrook.

**Policy 2.3 Celebrate Tillicum and Woodbrook’s history.**

*Actions related to Policy:*

- Develop marketing materials, wayfinding, public art, and landmarks that share Tillicum and Woodbrook’s histories.

**Policy 2.4 Ensure residents continue to live in Tillicum and Woodbrook.**

*Actions related to Policy:*

- Engage with community members to better understand displacement risk in Tillicum-Woodbrook.
- Develop anti-displacement strategies informed by the lived experience of community members.
- Promote and distribute information about area housing assistance and programs and health initiatives.
- Support placemaking as a strategy to prevent cultural displacement.

**Policy 2.5 Invest in new community spaces and civic institutions in Woodbrook**

*Actions related to Policy:*

- Seek funding and opportunities for community spaces, civic spaces, and capital facilities in Woodbrook.
- Continue to engage Woodbrook residents on local concerns, and neighborhood priorities.



### **Goal #3: Diversify Tillicum’s and Woodbrook’s housing options to support current residents in Lakewood.**

Tillicum and Woodbrook have higher eviction rates and more cost-burdened households than Lakewood overall. More Tillicum and Woodbrook families also rent, which puts them at a higher risk of displacement than homeowners. Providing additional housing options, supported with partnerships with local and state organizations, can help increase housing opportunities.

#### **Policy 3.1 Encourage and support efforts to increase homeownership.**

##### *Actions related to Policy:*

- Provide residents with information on State, County, and local programs that support homeownership for first-time home buyers, veterans, and residents with disabilities, such as down payment assistance.
- Support affordable housing developers in building multi- and single-family housing for households with low incomes.

#### **Policy 3.2 Provide a range of housing options to meet community needs.**

##### *Actions related to Policy:*

- Support the development and preservation of housing for households with very low-, low-, and moderate incomes to support the City in providing capacity for housing at all income levels.
- Plan to encourage a variety of housing options in the city to allow military personnel and their families to live within 30 minutes of the base.
- Invest in housing opportunities for individuals with special needs and for seniors.
- Establish an overlay district to maintain and preserve existing mobile and manufactured homes as affordable housing options, particularly in Woodbrook.
- Encourage infill development<sup>1</sup> that is consistent in scale to surrounding development.
- Develop pre-approved plans for ADUs.
- Update the City’s adopted housing incentives program (LMC 18A.90.050) as appropriate to include a variety of options (e.g., density bonuses, fee waivers, reduced zoning requirements, expedited permitting, etc.). Develop marketing efforts to stimulate use of the City’s program.

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<sup>1</sup> Infill development refers to the process of developing vacant and underutilized land within existing developed areas.

- Work with the Clover Park School District to address the need for school facilities as redevelopment takes place.

**Policy 3.3 Encourage and support access to affordable, safe, and connected housing options.**

*Actions related to Policy:*

- Support agencies and organizations that provide housing and related services to households with very low-, low-, and moderate-incomes, and encourage their acquisition of affordable rental housing.
- Seek funding opportunities to support local housing and social service providers.
- Encourage and plan for mixed-use development so residents can live near commercial establishments and services.
- Require that on-site amenities such as walkways, trails, or bike paths be connected to adjacent public facilities.
- Establish public programs and/or public-private partnerships to encourage and assist redevelopment of outdated or substandard multi-family dwellings aimed at providing opportunities for affordable housing.
- Partner with community-based organizations on financial subsidies for property and home improvement.
- Discourage new gated communities as an impediment to social integration within neighborhoods.
- Hold joint landlord training sessions with the Tillicum, Woodbrook, and American Lake Gardens neighborhoods.

**Goal #4: Connect Tillicum and Woodbrook to Lakewood and Pierce County through a multi-modal transportation network to increase access to employment and social activities.**

I-5 is the main transportation corridor in Lakewood and runs through the Tillicum and Woodbrook Subarea. About 79% of residents have a commute time of 20 minutes or greater. Compared to Lakewood overall, Tillicum has a higher rate of residents with a commute time between 20-39 minutes. Multimodal transportation improvements (such as improved transit service, bike lanes) could help improve traffic flow and reduce car dependency as a primary form of transportation.

**Policy 4.1 Evaluate on-street parking needs in Tillicum and Woodbrook and implement curb management strategies as needed to ensure public access to businesses and homes in Tillicum and Woodbrook.**

*Actions related to Policy:*

- Study on-street parking needs and opportunities along Union Avenue SW, Berkeley Street SW, and other key arterials in Tillicum and Woodbrook.

**Policy 4.2 Invest in infrastructure to support mobility needs and address mobility barriers of neighborhood residents.**

*Actions related to Policy:*

- Partner with Pierce Transit and Sound Transit on quality capital facilities, adequate lighting, and amenities at bus stops and the planned Sounder train station.
- Improve accessibility and access to bus stops through sidewalks, curb ramps, and other pedestrian amenities in accordance with design guidance from ADA.
- Work with Pierce Transit on innovative transit solutions to improve access to social and employment activities.

**Policy 4.3 Prioritize investments in vehicle infrastructure to support connecting Tillicum and Woodbrook to other parts of Lakewood.**

*Actions related to Policy:*

- Seek a method of providing an “internal” connection between Tillicum and the northern part of the city besides I-5.
- Seek out grants or other means of financing to design and construct improvements to intersections nearest to and serving I-5 interchanges, and work with WSDOT to seek funding for improvements to the interchanges themselves.
- Work with Camp Murray, JBLM, WSDOT, and Sound Transit to ensure development around the new Berkeley Avenue SW/Union Avenue SW intersection.

- Invest in expanded local road networks in Tillicum and Woodbrook to the rest of the city.

**Policy 4.4 Provide opportunities for safe pedestrian and bicycle connections from Tillicum and Woodbrook to other portions of Lakewood.**

*Actions related to Policy:*

- Consider a pedestrian and bicycle trail within Tillicum to safely connect the residential area with the business district.
- Install pedestrian signals on streets with high traffic volumes.

**Policy 4.5 Partner with local and regional transit agencies to provide reliable transit services to neighborhood residents that can increase access to social and economic opportunities.**

*Actions related to Policy:*

- Periodically review and update routes and frequency of transit bus lines with community input.
- Prioritize equitable community engagement to better understand community transportation needs.

**Goal #5: Increase economic development opportunities within Tillicum and Woodbrook.**

There are not enough jobs in Tillicum and Woodbrook. The neighborhood has a jobs-to-housing ratio that is well below both the ideal ratio and Lakewood’s ratio<sup>2</sup>. There is a strong commercial spine along Union Ave SW and industrial jobs in Woodbrook. Small business technical assistance and land use regulations to support more commercial growth should be explored.

**Policy 5.1 Support or foster relationships with educational institutions and employment organizations that encourage the development of higher education, apprenticeship and internship opportunities, and adult learning offerings to contribute to building community capacity and innovation.**

*Actions related to Policy:*

- Continue to support and participate in Community Resource Fairs to highlight education, apprenticeship, internship, and job opportunities.
- Improve the workforce pipeline by supporting training for residents of Tillicum and Woodbrook.
- Encourage employers in Woodbrook to hire locally from Tillicum and Woodbrook.
- Require new development utilizing the benefits from Opportunity Zones to create community benefit agreements to ensure public benefit is incorporated.

**Policy 5.2 Continue to partner with Workforce Central, the Tacoma-Pierce County Economic Development Board, and the Lakewood Chamber of Commerce to provide support and resources to small businesses in Tillicum and Woodbrook.**

*Actions related to Policy:*

- When possible, provide materials in languages spoken by households in the neighborhood.
- Provide small business technical assistance to small businesses in Tillicum and Woodbrook.

**Policy 5.3 Support additional food resources, commercial development, job growth, and technical assistance in the Tillicum Woodbrook Subarea.**

*Actions related to Policy:*

- Promote and encourage the development of a grocery store and bank in Tillicum.

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<sup>2</sup> Generally, a jobs-to-housing ratio between 0.75 and 1.5 is considered an ideal balance. As of 2020, Lakewood’s ratio was 0.92, whereas the census tract that includes Tillicum and Woodbrook had a ratio of 0.25.

- Work with USPS to locate a contract post office on Union Avenue SW.
- Plan for commercial and mixed-use development to support local businesses, provide basic services in proximity to residents, and build community.
- Identify underutilized and unused properties and support commercial development on these lots.
- Continue utility and infrastructure improvements to support commercial development.
- Work with the Lakewood Water District to perform water delivery system upgrades.
- Prepare a utility plan for Union Avenue SW.
  - Determine the desirability and cost of placing utilities underground.
  - Work with utility purveyors to underground existing utilities.
  - Survey property owners to determine willingness to participate in a local improvement district (LID).
  - Form a LID if property owners are in favor of doing so.
  - Work with present and future developers to ensure conformance with this action.



**Goal #6: Protect Tillicum and Woodbrook’s natural environment and increase adaptability and resiliency for Tillicum and Woodbrook as communities significantly impacted by air quality and climate change.**

Potential climate impacts to the City of Lakewood and the greater Puget Sound region include extreme heat and precipitation, flooding, and smoke from wildfires. Residents with existing health conditions, older adults, young children, and those with fewer resources may face an increased risk of greater impact. Policies in this plan aim to reduce drivers of climate change and increase community resiliency.

**Policy 6.1 Enhance quality of life in Tillicum and Woodbrook through the thoughtful placement and improvement of parks and recreational activities.**

*Actions related to Policy:*

- Complete the projects identified in City of Lakewood’s Parks, Recreation and Open Space Master Plan.
- Identify opportunities for additional public/semi-public green space in Tillicum and Woodbrook.
- Support formation of community volunteer groups to steward parks facilities.

**Policy 6.2 Protect water quality in American Lake.**

*Actions related to Policy:*

- Work cooperatively with development interests to protect aquifers and surface water by the gradual extension of sanitary sewers and replacement of stormwater systems with priority for those areas bordering or hydrologically related to American Lake.
- Utilize stormwater management and low-impact development (LID) techniques such as green roofs, rain gardens, and vegetated bioswales to purify water before it enters the ecosystem.

**Policy 6.3 Encourage the use of sustainable materials and building practices.**

*Actions related to Policy:*

- Collaborate with community-based organizations to provide technical assistance/education to developers to encourage greater use of green standards.
- Incorporate smooth land use transitions to prioritize high density residential development along transit and transportation corridors.

# Actions Audit

The 2022 addendum to the 2011 Tillicum Neighborhood Plan identified 30 action items that had not been completed at the time of writing. **Exhibit 5** lists these actions and identifies the priority level assigned by the city and whether the action item will be addressed in the 2024 Comprehensive Plan update. The actions that are not part of the Comprehensive Plan update are addressed and updated in the Tillicum-Woodbrook Subarea Plan, organized under the six stated goals. The city rezoned many parcels in Woodbrook in the 2010’s to reflect the vision of the city that it would be an area for industrial and warehouse uses.

**Exhibit 3** shows key landmarks within the Tillicum-Woodbrook Planning Area. Landmarks are important components of a community and are individual structures or points. They are external points of reference to guide movement and provide orientation. Notable landmarks in the Tillicum-Woodbrook Planning Area include:

- Harry Todd Park
- Thornewood Castle
- Commencement Bay Rowing Club
- Tillicum Elementary School
- Tillicum Pierce County Library
- West Pierce Fire and Rescue Station 23
- YFC Tillicum Youth and Family Center
- Veteran’s Foreign Wars (VFW)
- New Testament Christian Church of Woodbrook
- Woodbrook Community Church Media Ministry
- Woodbrook Stables and Events Center

## Exhibit 5. Tillicum Neighborhood Plan Action Update – Actions Not Completed

Number	Action	Priority (Identified)	Relation to 2024 Update
A-2	Identify and appropriate funding to support the development of community outreach and life skills program for youth utilizing existing community resources such as the Tillicum/American Lake Gardens Community Service Center, PCLS Library, and/or new Youth for Christ center.	High	No- Not addressed in general comprehensive plan update. Addressed in Goal 1.
B-12	Improve facilities in community centers, school, and parks to provide facilities for after-school and weekend activities for youth.	Low (lack of funding)	No. Addressed in Goal 1.

Number	Action	Priority (Identified)	Relation to 2024 Update
<b>A-1</b>	Establish a community leadership team (CLT) comprised of City Council and school board members, residents, property owners, Tillicum businesses, and selected public agencies that serve Tillicum. Explore whether the existing merchants and neighborhood associations could be rechanneled into the community leadership team, or if those associations wish to continue to exist independently.	High	No. Addressed in Goal 2.
<b>B-5</b>	Fund one FTE to prepare and maintain a capital facilities plan to prioritize and direct city capital investment.	High (lack of funding)	There will be a CFP Element or Discussion in the 2024 Comp Plan
<b>C-1</b>	Maintain funding for the neighborhood patrol program in Tillicum to support neighborhood watch groups and provide regular communication with neighborhood and civic organizations.	High	No. Addressed in Goal 2.
<b>C-4</b>	Provide development preapplication packets to the Police Department and include their feedback on design from a CPTED perspective.	High	No. Addressed in Goal 2.
<b>E-1</b>	Develop a marketing program to improve perceptions of the Tillicum neighborhood and promote the neighborhood as a desirable and affordable place to live.	High	No. Addressed in Goal 2
<b>I-1</b>	Produce a brochure on Tillicum’s history.	High	No. Addressed in Goal 2.
<b>D-10</b>	Address the need for on-street parking by small businesses.	Medium	Yes
<b>E-3</b>	Amend the City’s development regulations to enable innovative layouts, designs, and configurations such as Z-lots, great house design, and cottage housing.	High	Yes
<b>E-7</b>	Allow a reduction in the amount of off-street parking based on a parking study prepared by a registered professional engineer.	High	Yes
<b>F-14</b>	Promote community awareness of financial subsidies available from public agencies for property and home improvement.	Medium	No. Addressed in Goal 3.

Number	Action	Priority (Identified)	Relation to 2024 Update
<b>E-10</b>	Prepare a utility plan for Union Avenue SW. <ul style="list-style-type: none"> <li>Determine the desirability and cost of placing utilities underground.</li> <li>Work with utility purveyors to underground existing utilities.</li> <li>Survey property owners to determine willingness to participate in a local improvement district (LID).</li> <li>Form a LID if property owners are in favor of doing so.</li> <li>Work with present and future developers to ensure conformance with this action.</li> </ul>	Medium	No. Addressed in Goal 5.
<b>E-11</b>	Monitor development activity to identify regulatory and/or cost barriers that discourage investment in Tillicum.	Medium	Yes
<b>F-2</b>	Initiate discussions with other agencies to consider a program of reducing/waiving development and/or capacity fees as a means of promoting housing affordability.	High	Yes
<b>F-5</b>	Provide the news media with information about potential apartment closures.	High	No. Addressed in Goal 3.
<b>F-13</b>	Establish an incentive awards program for well-maintained and trouble-free rentals.	Medium	No. Addressed in Goal 3.
<b>F-15</b>	Once sewers have been installed, consider use of the multifamily tax incentive program to target multi-family growth into selected parts of Tillicum.	Medium	Yes
<b>F-16</b>	Hold joint landlord training sessions with the Tillicum and American Lake Gardens neighborhoods.	Low (lack of funding)	No. Addressed in Goal 3.
<b>D-2</b>	Establish bicycle and pedestrian connections between residential areas, Union Avenue SW, and Harry Todd Park.	High	Yes
<b>D-6</b>	Identify bus stops with inadequate lighting and improve lighting at these stops. Examine the need for more shelters and posted schedules. Provide the telephone number of Pierce Transit's community liaison at bus stops.	Medium	No. Addressed in Goal 4.
<b>D-8</b>	Periodically review and update routes and frequency of transit bus lines with community input. Provide timely notification of route and service changes.	Medium	No. Addressed in Goal 4.
<b>D-11</b>	Establish street design guidelines for other streets including North Thorne Lane SW, Woodlawn Avenue SW, Maple Street SW, West Thorne Lane SW, and portions of Portland Avenue SW and Berkeley Street SW.	Medium	Yes

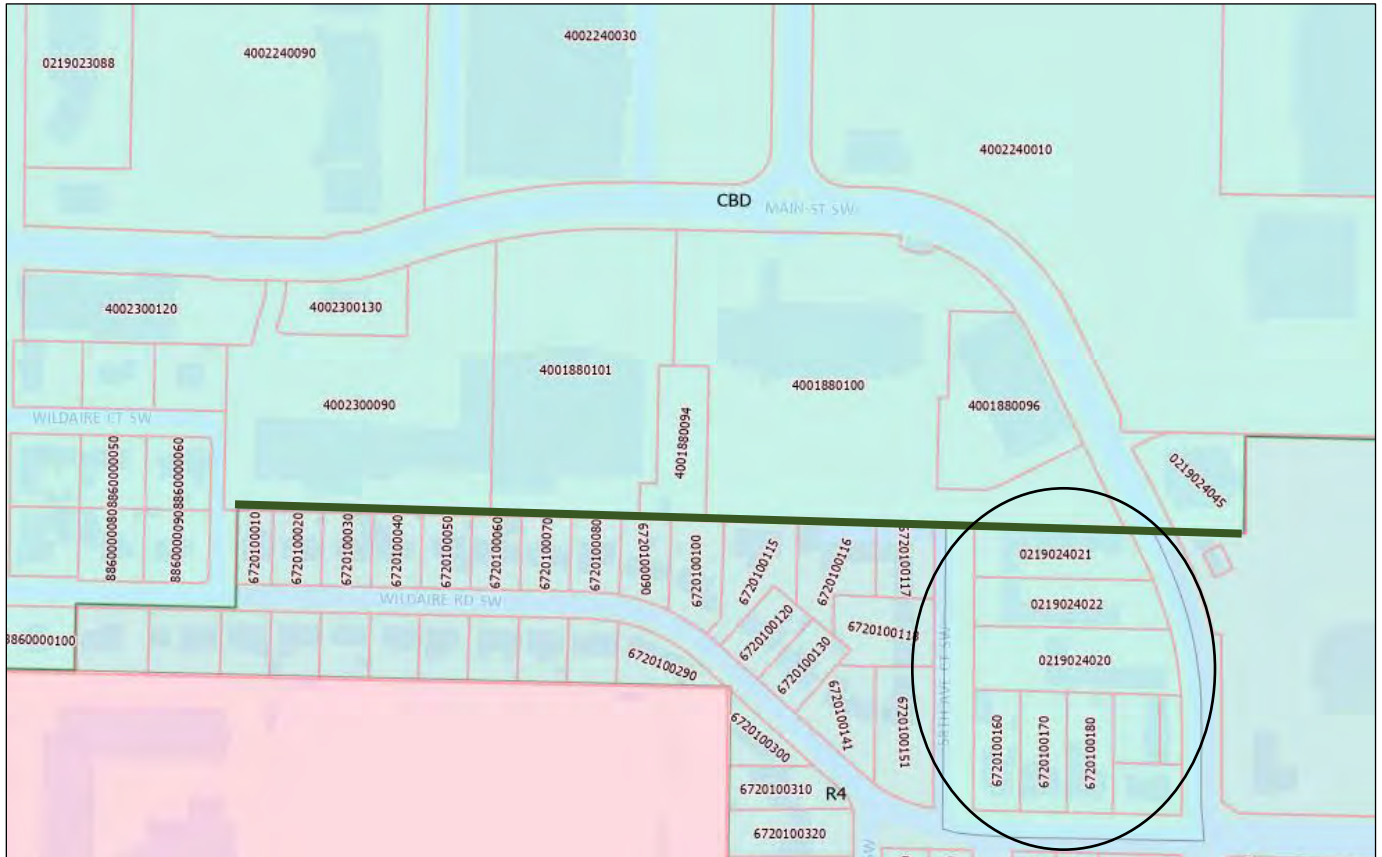
Number	Action	Priority (Identified)	Relation to 2024 Update
<b>D-13</b>	Monitor and support funding for the Cross-Base Highway project.	Low	Removed; Cross-Base Highway project is no longer active.
<b>D-14</b>	Establish “green street” designations and associated improvements, including sidewalks, landscaping, bike lanes, crosswalks, and lighting, for Union Avenue SW, North Thorne Lane SW, Woodlawn Avenue SW, and West Thorne Lane SW. Seek compatibility between the provision of bicycle lanes and vehicular parking.	Low (lack of funding)	Yes
<b>D-15</b>	Install pedestrian signals on streets with high traffic volumes.	Low	No. Addressed in Goal 4.
<b>D-16</b>	Require commercial, institutional, and multi-family developments to provide protected and secure bicycle parking.	Low	Yes
<b>E-2</b>	Develop and adopt new zoning classifications to implement freeway-oriented commercial on the I-5 side of Union Avenue SW and tailored neighborhood commercial on the opposite side.	High	Yes
<b>E-4</b>	Amend the City’s development regulations to require a greater level of design for small lot residential development and for commercial development located along Union Avenue SW.	High	Yes
<b>E-6</b>	Establish a contract post office on Union Avenue SW.	High	No. Addressed in Goal 5.

## Amend the southern boundary of the Downtown Subarea to include parcels rezoned in 2023 to Central Business District (CBD)

Expand the southern boundary of the Downtown Subarea to include:

- Parcels 0219024020, -4021 and -4022, and -4024; and
- Parcels 6720100160, -170, -180, -191, -200

Depicted graphically in the map below, the dark green boundary would be adjusted to incorporate the parcels listed above and circled below.





**Rezone parcel 0320311063 from Commercial 2 (C2) to Open Space Recreation 1 (OSR1) for inclusion in Wards Lake Park**



# **Lakewood Comprehensive Plan: Policy Audit Appendix**

**WORKING DRAFT | August 2024**

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# 1 Introduction

## 1.1 Overview

This supplemental appendix to the Lakewood Comprehensive Plan provides a guide to how the current version of the Plan has changed from the previous iteration of the Plan from 2015 (as amended in 2023). As part of this review cycle, it is imperative to assess how the Plan both addresses the needs of the community over the upcoming 20-year planning period, but also how the policies acknowledge new requirements from the state. This appendix can be considered an audit of the 2015 Plan, highlighting where these specific considerations have required changes and updates, and explaining the rationale for these changes for the 2024 Plan.

This auditing document provides a review of the following sections of the document:

- Land Use and Maps
- Capital Facilities and Essential Public Facilities
- Economic Development
- Energy and Climate Change
- Housing
- Military Compatibility
- Natural Environment
- Parks, Recreation, and Open Space
- Public Services
- Subarea Plans
- Transportation
- Urban Design
- Utilities
- Implementation

For each of these sections, we detail the following:

- The **original goal or policy** provided in the 2015 Lakewood Comprehensive Plan.
- The **rationale** for changing these policies, which may include changes in requirements from the state, editorial changes, intended changes in city policies, and responses to feedback from the public.
- The **edited goal or policy** that reflects the changes made for the 2024 Comprehensive Plan.

## 1.2 Summary of Major Changes

### General

- **Reorganization.** This document has been reorganized and renumbered overall to reduce confusion and provide required content in the given elements specified under RCW [36.70A.070](#) and [36.70A.080](#).
- **Editorial review.** All goals and policies were reviewed and edited to ensure that they are clear and consistent, and they provide specific policy direction. Minor text changes have been included in all elements to improve readability.

### Land Use and Maps

- **Updated development targets.** General targets for 2044 housing, population, and employment are provided in this section. These targets have been updated to consider the Pierce County Countywide Planning Policies and the PSRC Multicounty Planning Policies.
- **Combined residential land use category.** The “Residential Estate” and “Single-Family” land use designations have been combined into a single “Residential” category. This is in part to identify increased densities of at least two housing units per acre which are now allowed on all residential parcels, except those that are limited by critical areas. Note that there are distinctions in this category (Low/Medium/High) that focus on a different rationale for larger lots.
- **Updates to definition of allowable housing.** The descriptions of residential categories specifically allow for a broader range of housing types to be included, such as townhomes, duplexes, and other middle housing types.
- **Intensification of residential densities close to transit.** Some policies in this section call out a policy objective to increase densities in areas that are served by transit, especially major transit routes such as commuter rail.

### Capital Facilities and Essential Public Facilities

- **Definitions of utility and service categories.** Categories of services based on the nature of the provider (e.g., the city, a special district, the private sector) are specifically defined in the policies.
- **Reevaluation of Land Use Element.** A policy is included to comply with requirements to reassess the Land Use Element if funding does not meet projected needs for future infrastructure and services in the Capital Facilities Plan.
- **Environmental justice.** A policy is included specifically to identify the needs to consider environmental health disparities as part of the siting of essential public facilities.

### Economic Development

- **Reorganization.** The previous version of the Comprehensive Plan includes economic development policies in several elements and some policies in economic development are redundant with other elements, such as transportation and military compatibility. In the revised version, the policies have been reorganized according to category as best as possible.

- **Homeownership.** While the Economic Development Element still includes policies related to housing, this has largely focused on increasing opportunities for homeownership.
- **Relationship with JBLM.** Although the previous Comprehensive Plan included policies related to ensuring the long-term viability of JBLM, these policies have been refocused to evaluate the economic development opportunities associated with support of these facilities, personnel, and their families.

### Energy and Climate Change

- **Detailed revisions.** The Energy and Climate Change Element has been revised based on work coordinated by the city in 2023. This included significant outreach and policy development to provide policy edits and revisions to streamline and focus the previous version.

### Housing

- **Reorganization.** The previous version of the Comprehensive Plan incorporated the Housing Element as part of the Land Use Element, instead of providing a separate section. This version separates corresponding housing policies into its own element.
- **Removal of higher-income housing goals.** The previous plan included specific targets and policies to attract higher-end housing serving households at 120% or more of median income. This section has been removed, as these housing developments should be accommodated through market-rate development projects, and the existing provisions do not provide significant incentives for this type of development.
- **Housing targets.** In addition to the updated housing targets provided in the Land Use Element, the Housing Element includes a more detailed description of the needs for housing by household income category and type, in addition to requirements for permanent supportive housing and emergency housing capacity.
- **Need-based rehabilitation.** A policy regarding city funding of housing rehabilitation and repair has been realigned to focus specifically on lower-income households.
- **Preservation of manufactured home parks.** A policy has been included to recognize manufactured home parks as a source of affordable housing for lower-income households.
- **Streamlining of policies regarding ADUs.** Policies in the Plan providing requirements for ADUs, including parking requirements, requirements for owner occupancy, and limits to the number of ADUs per parcel have been removed to maintain consistency with changes in state statutes.
- **Prevention of additional requirements on special housing types.** To comply with housing requirements from state statutes, a policy has been included to prevent additional requirements for special housing types.

### Military Compatibility

- **Reorganization.** The previous version of the Comprehensive Plan incorporated the Military Compatibility Element as part of the Land Use Element, instead of providing a separate section. This version separates corresponding military compatibility policies into its own element. Note that some



policies with connections to JBLM or the military in general, such as the Air Corridor land use designation, have been retained in other elements as needed.

- **Support for SSMCP.** Additional policies have been put into place regarding the involvement of the city with the South Sound Military and Communities Partnership.
- **Compatibility of uses.** The section on protecting JBLM from incompatible uses has been revised with more general policies, with the intent to refocus land use regulation on the Land Use Element. This has been separated between policies related to AICUZ and North McChord Field versus other potential conflicts with JBLM activities.

### Natural Environment

- **Protection of critical areas.** The initial goal and policies have been rewritten to provide a clearer policy focus on the statutory requirements for providing critical areas protection through an ordinance.
- **Additional tree protection policies.** In light of the recent revisions to tree protection in the city, additional policies have been provided to indicate the importance of trees and the policy intent for protecting trees and tree stands, especially with Oregon white oak.

### Parks, Recreation, and Open Space

Edits to this section were primarily editorial changes to reduce redundancy and streamline the organization of policies.

### Public Services

Edits to this section were primarily editorial changes to reduce redundancy and streamline the organization of policies.

### Subarea Plans

- **Reorganization.** The previous version of the Comprehensive Plan includes specific policies for the subareas that are also covered under the city's Subarea Plans. To reduce redundancy, this element of the Comprehensive Plan restates the policies included under the three Subarea Plans and removes the existing policies as redundant.
- **Tillicum-Woodbrook Subarea Plan.** The policies of the new Tillicum-Woodbrook Subarea Plan are provided in this Element.

### Transportation

- **ADA Transition Plan.** A policy has been included to create and implement an ADA Transition Plan to identify accessibility issues in city facilities and address these concerns. Note that these Plans are becoming a greater consideration in transportation funding, especially with federal programs.
- **Greater focus on multimodal transportation.** Several policies have been realigned to reinforce the need to consider multimodal transportation, including transit, walking, and biking. This includes supporting services and infrastructure, such as "first mile, last mile" services to link residents with local and regional transit services.

## Urban Design

- **Focus on design guidelines.** A policy regarding the establishment of design standards and a design review process has been revised to focus on design guidelines as an alternative to this process.
- **Consolidation of policies.** Several policies in the previous Urban Design Element were redundant and have been reorganized and consolidated accordingly.

## Utilities

- **Considerations of energy conservation.** Given the focus of the Energy and Climate Change Element, energy conservation policies have been relocated to this section. Some policies have been retained to focus more on the demand reduction considerations of these policies.

## Implementation

- **Alignment of policies.** The implementation section has been expanded to include considerations of policy alignment with other jurisdictions.
- **Promotion of public engagement.** Policies are included in the implementation section to encourage broad public engagement as part of transparent city processes.
- **Policies for Comprehensive Plan updates.** Specific policies have been included to note revised timelines for Plan updates, as well as the process for yearly and emergency updates to the Plan.
- **Tribal coordination.** This Element includes policies regarding processes to coordinate with Tribal governments with interests in the city.

## 2 Land Use and Maps

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Goals and policies need to address the current housing and employment targets in the city.</li> </ul>	<b>LU-1</b> <b>Maintain consistency with the land use policies and targets of the PSRC Multicounty Planning Policies and Regional Growth Strategy and the Pierce County Countywide Planning Policies.</b>
[NEW]	<ul style="list-style-type: none"> <li>Include the population and housing growth targets assigned to the city.</li> </ul>	<b>LU-1.1</b> Plan to a 2044 population target of 86,792 residents and a housing target of 36,713 units for the city.
[NEW]	<ul style="list-style-type: none"> <li>Include the employment targets assigned to the city.</li> </ul>	<b>LU-1.2</b> Plan to a 2044 employment target of 39,735 jobs in the city.
[NEW]	<ul style="list-style-type: none"> <li>Ensure that standard assumptions are used for developing land use plans.</li> </ul>	<b>LU-1.3</b> Ensure that land use planning is coordinated and consistent with the methodologies utilized by Pierce County and the PSRC, particularly in the achievement of the specified targets.
<b>LU-1</b>	<ul style="list-style-type: none"> <li><b>This goal appears to be more of a policy, especially considering LU-1.2.</b></li> <li><b>This was established as a high-level goal with lower-level goals included. For the format of this document, the other goals have been considered separately.</b></li> </ul>	<b>[REMOVED]</b>
<b>(LU-1)</b>	<ul style="list-style-type: none"> <li><b>This should be rephrased completely to provide a more general goal that covers all land use types.</b></li> </ul>	<b>LU-2</b> <b>Maintain sufficient supplies of available land and systems that can support future growth.</b>
<b>LU-1.1</b> Count new unit types as follows when monitoring the single-family/multifamily balance: <ul style="list-style-type: none"> <li>Count cottages as single-family houses;</li> <li>Count semi-attached houses as single-family houses; and</li> <li>Count the primary unit in a house with an ADU as a single-family unit.</li> </ul>	<ul style="list-style-type: none"> <li>This is superseded by state requirements; housing targets will be on meeting household income requirements, not single-family/multifamily balance.</li> </ul>	<b>[REMOVED]</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-1.2 Ensure that sufficient capacity is provided within the City boundaries in order to accommodate housing demand, provide adequate housing options, meet urban center criteria under the Growth Management Act and Countywide Planning Policies, and prevent unnecessary increases in housing costs.	<ul style="list-style-type: none"> <li>This can be simplified to provide a more straightforward policy and more broadly defined to include all needs.</li> </ul>	LU-2.1 Ensure the availability of sufficient land capacity to meet both regional and county-level municipal growth projections and targets.
<b>(LU-1) Ensure that City fees and permitting time are set at reasonable levels so they do not adversely affect the cost of housing.</b>	<ul style="list-style-type: none"> <li>This was included previously as a goal and can be consolidated – fees, permitting, and regulation are less a goal and more a means to achieve a goal. This may be included in the private market section below.</li> </ul>	LU-2.2 Maintain efficient permitting processes and development standards to help accommodate future growth.
LU-1.3 Ensure predictable and efficient permit processing.	<ul style="list-style-type: none"> <li>Deleted to consolidate this under an individual policy.</li> </ul>	[REMOVED]
LU-1.4 Establish and periodically review utility standards that encourage infill development.	<ul style="list-style-type: none"> <li>Deleted to consolidate this under an individual policy.</li> </ul>	[REMOVED]
LU-1.5 Establish and periodically review development standards that reduce the overall cost of housing as long as health and safety can be maintained.	<ul style="list-style-type: none"> <li>Deleted to consolidate this under an individual policy.</li> </ul>	[REMOVED]
[NEW]	<ul style="list-style-type: none"> <li>Add policies related to brownfields redevelopment and use in housing capacity.</li> </ul>	LU-2.3 Partner with WA Department of Ecology, Tacoma-Pierce County Health Department, and other agencies to track contaminated properties and brownfields in the City.
[NEW]	<ul style="list-style-type: none"> <li>Add policies related to brownfields redevelopment and use in housing capacity.</li> </ul>	LU-2.4 Regulate contaminated properties as required for public health and safety while encouraging their redevelopment for appropriate activities based on zoning.
[NEW]	<ul style="list-style-type: none"> <li><b>Add a goal and policies for the land use districts in the land use map.</b></li> <li><b>The following descriptions are drawn from the prose of the previous plan, and not specific policies.</b></li> <li><b>Note that this section may change based on changes to the land use map.</b></li> </ul>	LU-3 <b>Support efficient development patterns that minimize land use conflicts and promote healthy neighborhoods through consistent land use designations.</b>
2.3 The official land-use map, entitled the Land Use Designations Map, will be used in conjunction with the comprehensive plan's written policies which define how the community wishes to implement its vision for the City, its goals and objectives for land use, and other related elements of the plan.	<ul style="list-style-type: none"> <li>Rewrite to simplify this as a policy.</li> </ul>	LU-3.1 Adopt and administer land use development regulations consistent with the Land Use Designations Map.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>2.3.1 <b>Residential Estate.</b> The Residential Estate designation provides for large single-family lots in specific areas where a historic pattern of large residential lots and extensive tree coverage exists. Although retaining these larger sized properties reduces the amount of developable land in the face of growth, it preserves the historic identity these "residential estates" contribute to the community by providing a range of housing options, preserving significant tree stands, and instilling visual open space into the urban environment. Most importantly, the Residential Estate designation is used to lower densities around lakes and creek corridors in order to prevent additional effects from development upon the lakes, creek habitat and Lakewood Water District wellheads.</p>	<ul style="list-style-type: none"> <li>▪ Condense this text to be a policy.</li> <li>▪ Combine this with other residential areas into a single category.</li> </ul>	<p>[REMOVED]</p>
<p>2.3.2 <b>Single-Family.</b> The Single-Family designation provides for single-family homes in support of established residential neighborhoods. This designation is the primary residential designation in the City.</p>	<ul style="list-style-type: none"> <li>▪ Condense this text to be a policy.</li> <li>▪ Combine this with other residential areas into a single category.</li> </ul>	<p>[REMOVED]</p>
<p><b>Residential</b></p>		

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Combine residential categories into a single designation.</li> </ul>	<p>LU-3.2 <b>Residential (R).</b> The Residential designation refers to areas that support high-quality urban residential neighborhoods in the city. These areas typically allow a variety of housing types, with scales and densities based on the ability of these areas to support development:</p> <ul style="list-style-type: none"> <li><b>Residential Low</b> areas primarily consist of larger residential lots where environmental factors would prevent more intensive development. This includes environmentally sensitive areas where development may impact lakes, creek habitat and Lakewood Water District wellheads. This corresponds to the R-1 zoning designation.</li> <li><b>Residential Medium</b> areas accommodate a range of detached and attached housing types, including middle housing, accessory dwelling units, and smaller- and moderate-scale multi-family housing. This corresponds to areas in the R-2 and R-3 zones and includes housing across most of the city.</li> <li><b>Residential High</b> areas accommodating single-family, middle housing, accessory dwelling units, and smaller- and moderate-scale multi-family housing with greater densities and smaller lot sizes. These areas are typically allocated in neighborhoods where housing on individual lots is expected, but the area includes supporting infrastructure, amenities, and services that allow for higher-density development. This corresponds to R-4 zones in the city.</li> </ul>
[NEW]	<ul style="list-style-type: none"> <li>Combine residential categories and acknowledge a transit focus under HB 1110.</li> </ul>	<p>LU-3.3 <b>Residential/Transit (R/T).</b> The Residential/Transit designation identifies areas designated as Residential but are expected to be found within ¼ mile of high-frequency transit services, including bus rapid transit and commuter rail, over the next 20 years. These areas allow for increased residential densities beyond what is allowed under Residential designations when major transit service is available.</p>



Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>2.3.3 <b>Mixed Residential.</b> The Mixed Residential designation provides for a moderate increase in density using a variety of urban housing types and designs. This design-oriented designation promotes residential renewal to small-lot single-family homes, townhouses, duplexes, and small apartment buildings. The mix of housing may take a variety of forms, either mixed within a single site or mixed within a general area, with varied dwelling types.</p>	<ul style="list-style-type: none"> <li>Mixed Residential is changed to consider higher densities.</li> </ul>	<p>LU-3.4 <b>Mixed Residential.</b> The Multifamily designation supports a mix of low- and moderate-density housing options that provides a variety of options for diverse families and lifestyles. This designation represents a transition to areas that include a greater amount of multifamily housing on larger lots</p>
<p>2.3.4 <b>Multi-Family.</b> The High-Density Multi-Family designation provides for high-density housing types and designs that combine urban design elements to enhance the living environment with integration into appropriate business districts or neighborhoods. Urban design elements stress pedestrian orientation and connections, security, transportation, and integration of housing into the adjacent neighborhood.</p>	<ul style="list-style-type: none"> <li>Condensed and summarized.</li> </ul>	<p>LU-3.5 <b>Multifamily.</b> The Multifamily designation supports moderate-density housing that provides a variety of options for diverse families and lifestyles. These areas include urban design elements like open spaces and pedestrian-friendly layouts and are integrated with surrounding neighborhoods.</p>
<p>2.3.5 <b>High-Density Multi-Family.</b> The High-Density Multi-Family designation provides for high-density housing types and designs that combine urban design elements to enhance the living environment with integration into the central or neighborhood business districts, the Lakewood Station District, or neighborhoods. Urban design elements stress pedestrian orientation and connections, security, transportation, and integration of housing into the adjacent neighborhood.</p>	<ul style="list-style-type: none"> <li>Condensed and summarized.</li> </ul>	<p>LU-3.6 <b>High-Density Multi-Family (HD).</b> The High-Density Multi-Family designation supports denser medium- to high-density housing with urban design features that enhance living environments and support pedestrian and non-motorized transportation access. These areas are intended to connect with business districts, transit hubs, and other neighborhood centers that provide amenities and services.</p>

**Commercial and Mixed-Use**

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>2.3.9 <b>Neighborhood Business District.</b> Neighborhood Business Districts are intended to foster a sense of urban community in neighborhoods. They provide a concentrated mix of activities, including retail and other local services, residential, and some office use. Over time, districts evolve and mature into distinctive compact urban environments, providing unique commercial character to neighborhoods in Lakewood. Districts may serve the surrounding neighborhood only or may serve more than one neighborhood and attract people from other areas. Districts may facilitate restoration and vitality in an existing neighborhood center or may create a new focus for a neighborhood. These districts are expected provide commercial services, as well as residential uses in the upper floors of some buildings.</p>	<ul style="list-style-type: none"> <li>▪ Revise and condense.</li> </ul>	<p>LU-3.7 <b>Mixed/Neighborhood Commercial (NC).</b> The Neighborhood Commercial designation provides a concentrated mix of activities, including retail and other local services, residential, and some office uses, that provide a focus for a neighborhood.</p>
<p>2.3.8 <b>Arterial Corridor.</b> Lakewood has several single-family neighborhoods adjoining principal and minor arterial streets. The level of existing vehicle activity adversely impacts the livability of these areas. At the same time, converting these linear neighborhood edges to commercial uses creates a pattern of low-intensity development, perpetuates commercial sprawl, and may pose traffic safety concerns. The Arterial Corridor designation provides an environment for an essentially residential neighborhood while permitting the development of low-intensity, non-nuisance business uses. This designation allows property owners the opportunity to have a small nonresidential use, primarily accommodating limited offices and certain limited manufacturing and personal services, under regulations that will not adversely impact traffic movements and will assure maximum compatibility with surrounding residential uses.</p>	<ul style="list-style-type: none"> <li>▪ Revise and condense.</li> </ul>	<p>LU-3.8 <b>Residential-Commercial/Arterial (ARC).</b> The Arterial Residential-Commercial Corridor designation provides areas for residential neighborhoods and lower-intensity, non-nuisance business uses adjoining principal and minor arterial streets.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>2.3.7 <b>Corridor Commercial.</b> The commercial corridors along I-5, South Tacoma Way, Pacific Highway SW, and Union Avenue SW are examples of Lakewood's dominant pattern of strip commercial development. The geographic relationship of the corridors to major road networks and the Lakewood Station District Subarea promotes employment, services, retail, and business/light industrial uses linked to access to major transportation networks. While the continuous linear alignment is a unifying element, each corridor presents varying challenges and opportunities. The Lakewood Station District Subarea Plan envisions new housing units and new employment, optimizing how people can work and live in and near the Corridor Commercial zone.</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.9 <b>Commercial/Corridor (CC).</b> The Corridor Commercial designation features employment, services, retail, and business/light industrial uses linked to access to major transportation networks.</p>
<p>2.3.6 <b>Downtown.</b> The Downtown Subarea is the primary retail, office, social, urban residential, and government center of the City. The complementary, interactive mixture of uses and urban design envisioned in the Downtown Subarea Plan provides for a regional intensity and viability with a local character. The regional focus and vitality of the district are evident in the urban intensity and composition of the uses in the district and its designation as a Regional Growth Center. Local character is reflected in the district's design, people-orientation, and connectivity, which foster a sense of community. The Downtown is intended to attract significant numbers of additional office and retail jobs as well as new high-density housing. The plan anticipates that the properties within the Downtown will be developed into commercial and residential mixed uses with several public destination places (Colonial Plaza and Central Park.)</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.10 <b>Downtown (D).</b> The Downtown Subarea designation is the primary retail, office, social, urban residential, and government center of the city that provides a complementary, interactive mixture of uses and urban design and reflects its status as a Regional Urban Growth Center.</p>

**Industrial**

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>2.3.10 <b>Industrial.</b> Industrial lands are the working area of Lakewood, integrated into the community economically and environmentally while maximizing a regional economic presence based on Lakewood's geographic position. Properties with an Industrial land-use designation are expected to provide family wage jobs to residents and tax revenues to the City. The Industrial designation provides for regional research, manufacturing, warehousing, concentrated business/ employment parks, and other major regional employment uses. Industrial lands depend on excellent transportation, and utility infrastructure and freedom from encroachment by incompatible land uses.</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.11 <b>Industrial (I).</b> The Industrial designation provides for regional research, manufacturing, warehousing, concentrated business/ employment parks, and other major regional employment uses. These lands are planned for the necessary transportation and utility infrastructure needs, and to minimize encroachment by incompatible land uses.</p>
<b>Public, Institutional, and Government</b>		
<p>2.3.15 The <b>Open Space and Recreation</b> designation provides public open spaces and recreational uses such as state and municipal parks, preserves, and trails, as well as privately owned facilities such as golf courses, Lakewold Gardens, and cemeteries. Of special note is the Chambers Creek Properties Master Site Plan, a joint effort of Pierce County and the cities of Lakewood and University Place to develop the Chambers Creek Canyon for limited, passive recreational uses. This designation promotes the conservation of public and private sensitive or critical natural resource areas and areas of local interest as open space</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.12 <b>Open Space and Recreation (OSR).</b> The Open Space and Recreation designation provides public open spaces and recreational uses such as state and municipal parks, preserves, and trails, as well as privately owned facilities such as golf courses, Lakewold Gardens, and cemeteries.</p>
<p>2.3.12 <b>Public and Semi-Public Institutional.</b> The Public and Semi-Public Institutional land-use designation provides for large and moderate scale governmental uses, special districts, and semi-institutional uses. The designation allows for the specialized needs of providing public services to all areas of Lakewood.</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.13 <b>Public and Semi-Public Institutional (PI).</b> The Public and Semi-Public Institutional designation provides dedicated areas in the city for large- and moderate-scale government and institutional uses.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>2.3.13 <b>Military Lands.</b> The Military Lands land-use designation applies to the portions of the federal and state military installations within the City. The autonomy associated with federal and state ownership of the military installations, in combination with the unique character of the military operations and support structures, are not typical of civilian land uses and require special consideration by the City as a host community for the installations.</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.14 <b>Military Lands (ML).</b> The Military Lands designation applies to federal and state-owned military lands within the city's boundaries. The federal and state control of military installations and unique character of military operations require special consideration by the city as a host community.</p>
<b>Special</b>		
<p>2.3.11 <b>Air Corridor 1 and 2.</b> The Air Corridor areas are affected by Joint Base Lewis McChord (JBLM) McChord Field aircraft operations. The potential risk to life and property from hazards associated with military aircraft operations within the Air Corridor necessitate control of the intensity, type, and design of land uses within the designation, with uses tailored to limiting the number of persons placed at risk.</p>	<ul style="list-style-type: none"> <li>Revise and condense.</li> </ul>	<p>LU-3.15 <b>Air Corridor (AC).</b> The Air Corridor designation is based on and affected by Joint Base Lewis-McChord (JBLM) North McChord Field aircraft operations; allowable development and uses are intended to minimize associated hazards to the public.</p>
<p><b>LU-17 Concentrate commercial development within appropriate commercial areas and clarify the different types of commercial lands.</b></p>	<ul style="list-style-type: none"> <li><b>This appears redundant with the revised explanations above.</b></li> </ul>	<p>[REMOVED]</p>
<p>LU-17.1 Address each type of commercial land with unique development standards appropriate to each.</p>	<ul style="list-style-type: none"> <li>This appears redundant with the revised explanations above.</li> </ul>	<p>[REMOVED]</p>
<p>LU-17.2 Promote the Downtown as the primary location for businesses serving a Citywide market.</p>	<ul style="list-style-type: none"> <li>This appears redundant with the revised explanations above.</li> </ul>	<p>[REMOVED]</p>
<p>LU-17.3 Promote the Lakewood Station district as the primary location for medical-related and other businesses serving a regional market, as well as neighborhood serving businesses in support of higher density housing. Take advantage of the area's visual and physical access to Interstate 5.</p>	<ul style="list-style-type: none"> <li>This appears redundant with the revised explanations above.</li> </ul>	<p>[REMOVED]</p>
<p>LU-17.4 Promote the corridor commercial areas as the primary locations for larger scale, auto- oriented businesses serving a regional market.</p>	<ul style="list-style-type: none"> <li>This appears redundant with the revised explanations above.</li> </ul>	<p>[REMOVED]</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-17.5 Promote the neighborhood business districts as limited commercial nodes supporting a concentrated mix of small scale retail, service commercial, and office development serving the daily needs of residents in the immediate neighborhood at a scale compatible with surrounding neighborhoods.	<ul style="list-style-type: none"> <li>This appears redundant with the revised explanations above.</li> </ul>	[REMOVED]
<b>LU-18 Promote, within commercial districts and corridors, the infill of vacant lands, redevelopment of underutilized sites, and intensification of existing sites.</b>	<ul style="list-style-type: none"> <li>Expand the policy to include wider applications.</li> </ul>	<b>LU-4 Promote infill, redevelopment, and intensification.</b>
LU-18.1 Concentrate commercial development within existing commercial areas.	<ul style="list-style-type: none"> <li>This is very general and likely not needed.</li> </ul>	[REMOVED]
LU-18.2 At the time of development or redevelopment of a site, promote planning for future intensification of the site. Such considerations may include phased intensification of portions of a site such as parking lots and single-story buildings.	<ul style="list-style-type: none"> <li>This should be simplified and focused.</li> </ul>	LU-4.1 Promote planning that supports future site intensification, such as the future development of parking spaces.
LU-18.3 Encourage assembly of lands for redevelopment, particularly where undersized parcels contribute to siting problems.	<ul style="list-style-type: none"> <li>This should be simplified and expanded.</li> </ul>	LU-4.2 Encourage parcel assembly and exchanges of lands for redevelopment.
LU-18.4 Discourage the piecemeal expansion of commercial areas, especially through conversion of lands from residential to commercial; encourage large commercial sites to be developed as a whole.	<ul style="list-style-type: none"> <li>This should be refined to focus on important elements.</li> </ul>	LU-4.3 Encourage larger planned redevelopment projects, especially those that contribute to complete mixed-use communities.
LU-18.5 Work to reinvigorate economically blighted areas in Lakewood by establishing Community Renewal Areas with associated renewal plans.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-4.4 Actively pursue the revitalization of economically underperforming areas in Lakewood by establishing Community Renewal Areas and supporting strategies.
[NEW]	<ul style="list-style-type: none"> <li>Added to highlight priorities to encourage density close to transit.</li> </ul>	LU-4.5 Encourage more intensive development in areas served by transit.
<b>LU-23 Foster a strong sense of community through the provision of neighborhood services within neighborhood business districts.</b>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<b>LU-5 Promote neighborhood business districts as local centers that provide supporting services to the surrounding community.</b>
LU-23.1 Provide for a mix of activities including residential, retail, office, social, recreational, and local services in neighborhood business districts.	Revised for clarity/brevity.	LU-5.1 Provide for a mix of activities in neighborhood business districts, including residential, retail, office, social, recreational, and local services.



Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-23.2 Encourage residential and mixed residential/commercial uses to situate in neighborhood business districts.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-5.2 Promote the integration of residential and commercial uses within neighborhood business districts.
LU-23.3 Provide for a unique focus or orientation of an individual neighborhood business district while ensuring that a variety of uses are emphasized to serve the neighborhood.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> <li>Note that the provision regarding a variety of uses is redundant with the next policy.</li> </ul>	LU-5.3 Provide a distinct character or focus for each neighborhood business district.
LU-23.4 Foster an array of needed community services by prohibiting the domination of a neighborhood business district by any single use or type of use.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-5.4 Encourage a balance of community services and discourage the dominance of any single use within neighborhood business districts.
LU-23.5 Ensure that the intensity and design of districts reflect the scale and identity of the neighborhood(s) they serve. Neighborhood business districts may serve just the surrounding neighborhood or may serve more than one neighborhood and attract people from other areas.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-5.5 Promote people-focused architectural designs and intensities of new development in neighborhood business districts that are in harmony with the scale and character of the neighborhoods they serve.
<b>LU-24 Establish a compact urban character and intensity of use within neighborhood business districts.</b>	<ul style="list-style-type: none"> <li><b>Combined with previous goal.</b></li> </ul>	<b>[REMOVED]</b>
LU-24.1 Ensure a people orientation in building, site, and street design and development within neighborhood business districts.	<ul style="list-style-type: none"> <li>Combined with LU-23.5</li> </ul>	[REMOVED]
LU-24.2 Support public safety improvements as a key success factor in making neighborhood business districts desirable places to live, work, socialize, and shop.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	LU-5.6 Emphasize public safety enhancements as a critical component in making neighborhood business districts attractive for living, working, socializing, and shopping.
LU-24.3 Promote urban amenities within the neighborhood business districts and on individual sites.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-5.7 Encourage the incorporation of urban amenities within neighborhood business districts.
LU-24.4 Promote neighborhood business districts as transit hubs.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	LU-5.8 Promote the development of neighborhood business districts as transit hubs.
LU-24.5 Accommodate automobiles, but do not allow them to dominate the neighborhood business districts or individual sites.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-5.9 Accommodate automobile use while ensuring that vehicles do not overpower the character and function of neighborhood business districts.
<b>LU-29 Promote a healthier business investment climate by considering methods of addressing and reducing the deteriorated parts of the commercial landscape.</b>	<ul style="list-style-type: none"> <li><b>Revised for clarity/brevity.</b></li> </ul>	<b>LU-6 Enhance the local business environment by identifying and implementing revitalization strategies in areas that require new investment.</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-29.1 Develop an outreach program for the ethnic business community located along the I-5 Corridor.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	LU-6.1 Develop an outreach program for the diverse business community located along the I-5 Corridor to foster engagement and support.
LU-29.2 Work with property owners and local businesses to develop a Corridor Plan for South Tacoma Way and Pacific Highway SW.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	LU-6.2 Collaborate with property owners and local businesses to create a comprehensive Corridor Plan for South Tacoma Way and Pacific Highway SW, aimed at revitalization and sustainable development.
<b>LU-30 Encourage industrial development and redevelopment that strengthen the economy of Lakewood and the region through the support of existing industrial uses and the attraction of new complementary uses and businesses.</b>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<b>LU-7 Promote environmentally responsible and sustainable industrial development and revitalization that supports current industrial activities and helps to attract new, compatible businesses.</b>
LU-30.1 Provide industrial lands for regional research, manufacturing, warehousing, concentrated business/employment parks, large-scale sales of general merchandise, or other major regional employment uses.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	LU-7.1 Allocate industrial land for activities such as regional research, manufacturing, warehousing, business and employment parks, and other significant regional employment opportunities.
LU-30.2 Support development and redevelopment of industrial lands that make positive contributions to the economy and physical environment of Lakewood and individual land areas. Discourage uses that seek to locate in the City's industrial areas just because the use is unsightly or is expected to have adverse impacts on adjacent properties.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-7.2 Support the development and renewal of industrial lands that positively impact Lakewood's economy and environment, while discouraging uses that are primarily situated in industrial areas due to the potential for negative effects on surrounding properties.
LU-30.3 Protect prime industrial sites (especially those near rail lines) from encroachment by incompatible uses such as housing and unrelated, small-scale retail activity.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-7.3 Protect key industrial sites, particularly those near railway lines, from being affected by incompatible uses such as residential developments or unrelated small-scale retail.
LU-30.4 Expand the number and type of industrial uses in the City by more intensive use of existing industrial lands.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	LU-7.4 Increase the diversity and density of industrial operations in the city by optimizing the use of existing industrial lands.
LU-30.5 Use finance and redevelopment tools and other resources to assemble industrial properties currently under separate ownerships into large parcels suitable for employment generating uses.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-7.5 Promote strategies for parcel assembly to promote uses that generate significant employment.
<b>LU-31 Promote environmentally responsible industrial redevelopment, development, and operations.</b>	<ul style="list-style-type: none"> <li>Redundant and combined with above.</li> </ul>	<b>[REMOVED]</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-31.1 Facilitate the integration and/or buffering of industrial development with adjacent nonindustrial areas.		LU-7.6 Facilitate the integration and/or buffering of industrial development with adjacent nonindustrial areas.
LU-31.2 Ensure that industrial operations are compatible with City and regional freight mobility and multi-modal transportation assets.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-7.7 Ensure the compatibility of industrial activities with citywide and regional freight mobility and multimodal transportation infrastructure.
LU-31.3 Encourage employment densities sufficient to support alternatives to single-occupant vehicle (SOV) use.	<ul style="list-style-type: none"> <li>This is redundant with the corresponding section in the Transportation Element.</li> </ul>	[REMOVED]
LU-31.4 Apply design techniques aimed at crime prevention and continue the close working relationship between land-use and public safety officials to reduce crime opportunities.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-7.8 Encourage design techniques that support crime prevention to reduce opportunities for crime in the community.
<b>LU-32 Facilitate the development of industrial uses in Woodbrook.</b>	<ul style="list-style-type: none"> <li><b>This section should be removed and considered in the Subarea Plan section.</b></li> </ul>	[REMOVED]
LU-32.1 Facilitate the rest of the industrial area, actively seeking high employment generating land uses that can capitalize on proximity to regional transportation and markets and nearby military installations.	<ul style="list-style-type: none"> <li>This should be removed and the Subarea Plan should be given deference here.</li> </ul>	[REMOVED]
LU-32.2 Facilitate the provision of adequate infrastructure concurrent with redevelopment.	<ul style="list-style-type: none"> <li>This should be removed and the Subarea Plan should be given deference here.</li> </ul>	[REMOVED]
LU-32.3 Encourage assembly of lands for redevelopment, particularly where undersized parcels contribute to siting problems.	<ul style="list-style-type: none"> <li>This should be removed and the Subarea Plan should be given deference here.</li> </ul>	[REMOVED]
LU-32.4 In consultation with the Clover Park School District, state education officials, and the City of Lakewood, facilitate a plan to close and demolish Woodbrook Middle School.	<ul style="list-style-type: none"> <li>This should be removed and the Subarea Plan should be given deference here.</li> </ul>	[REMOVED]
LU-32.5 Reduce land-use conflicts between industrial and other land uses through the provision of industrial buffers, setbacks, and screening devices, as well as enforcement of noise and air quality laws.	<ul style="list-style-type: none"> <li>This should be removed and the Subarea Plan should be given deference here.</li> </ul>	[REMOVED]
LU-32.6 150th Street SW is designated as the principal truck route through Woodbrook.	<ul style="list-style-type: none"> <li>This should be removed and the Subarea Plan should be given deference here.</li> </ul>	[REMOVED]
<b>LU-33 Achieve the VISION 2040 Urban Center criteria.</b>	<ul style="list-style-type: none"> <li><b>This should be removed with the relevant materials provided as part of the Subarea Plan section.</b></li> </ul>	[REMOVED]

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
LU-33.1	Designate the Future Land Use Map “Downtown” designation as an Urban Center.	▪ See above.	[REMOVED]	
LU-33.2	Adopt by reference and implement the Countywide Planning Policies for Urban Centers.	▪ See above.	[REMOVED]	
<b>LU-39</b>	<b>Provide for the harmonious operation of public and semipublic institutional uses within the City.</b>	▪ Edited for clarity.	<b>LU-8</b>	<b>Ensure the integration of public and institutional uses with the rest of the city.</b>
LU-39.1	Limit the application of the Public and Semi-Public Institutional land use designation to municipal, county, regional, state, and non-military federal uses; special districts; schools; and major semi- public institutions such as hospitals with a significant land area and employment characteristics as determined by the City.	▪ Edited for clarity/brevity.	LU-8.1	Apply the Public and Semi-Public Institutional land use designation to the uses for a range of government agencies and major institutions, including municipal, county, regional, state, and non-military federal entities, special districts, schools, and significant hospitals, that will require special consideration of uses.
LU-39.2	Use administrative processes to accommodate the need for growth and change of major institutions as they respond to changing community needs and the unique operational and locational needs of large public and institutional uses while maintaining a harmonious relationship with affected neighborhoods.	▪ Edited for clarity/brevity.	LU-8.2	Manage the expansion and evolution of major institutions in line with growth in the city and the specific operational and locational requirements of large public and institutional entities, while ensuring compatibility with surrounding neighborhoods.
LU-39.3	Use an administrative process that addresses the development, phasing, and cumulative impacts of institutional uses and allows for the phasing of development and mitigation roughly proportionate to the impacts of the use.	▪ Edited for clarity/brevity.	LU-8.3	Coordinate with the phasing and ongoing development of institutional uses to mitigate the cumulative impacts of these uses.
<b>LU-40</b>	<b>Recognize the unique nature of federal patent lands at Western State Hospital and Fort Steilacoom Golf Course.</b>	▪ Removed the mention of the golf course and added a note on the historical property.	<b>LU-9</b>	<b>Recognize the unique nature of federal patent lands at Western State Hospital and Historic Fort Steilacoom.</b>
LU-40.1	Work with DSHS to update the Western State Hospital Campus Master Plan.	▪ Revised for clarity.	LU-9.1	Coordinate with Washington State Department of Social and Health Services (DSHS) with respect to updates and implementation of the Western State Hospital Campus Master Plan.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-40.2 Enforce the City's public facilities master plan process confirming that: 1) appropriate provisions are made for infrastructure and/or services; 2) approval criteria and mitigation measures are incorporated into project approvals; and 3) the safety of the general public, as well as workers at, and visitors to, Western State Hospital is ensured.	<ul style="list-style-type: none"> <li>Revised for clarity and brevity.</li> </ul>	LU-9.2 Implement the city's public facilities master plan process to confirm that these facilities meet standards for appropriate levels of service and the health and safety of the public.
LU-40.3 Avoid as much as possible incompatible uses on the WSH campus which could adversely impact existing uses, adjoining properties, or adversely impact at-risk or special needs populations, including but not limited to children and the physically or mentally disabled.	<ul style="list-style-type: none"> <li>Revised for clarity and brevity.</li> </ul>	LU-9.3 Minimize incompatible uses on the Western State Hospital campus to prevent adverse impacts on existing functions, neighboring properties, and vulnerable groups.
<b>LU-66 Pursue the transition of nonconforming uses and structures to encourage more conforming uses and development patterns.</b>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<b>LU-10 Encourage the transition of nonconforming uses and structures towards compliance with current standards.</b>
LU-66.1 Provide for the continued operation, maintenance, and minor repair of nonconforming uses that were legally established but are no longer in compliance with the Comprehensive Plan or development regulations.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-10.1 Allow for the continued operation, maintenance, and minor repair of nonconforming uses that were legally established but are no longer in compliance with development regulations.
LU-66.2 Restrict nonconforming uses from increasing their scale or the intensity of the nonconformity.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-10.2 Prohibit any expansion in the scale or intensity of existing nonconforming uses or structures.
LU-66.3 Require that parcels containing nonconforming uses be brought into compliance at the time these nonconforming uses cease to operate or are significantly damaged.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	LU-10.3 Require nonconforming uses and structures to be brought into compliance if they cease to operate or site improvements are significantly damaged.
LU-67.4 Allow for replacement, or reduction without meeting current standards, of other nonconformities if bringing the nonconformity into compliance would effectively prohibit that use of the property (e.g., lot size or dimensions are such that standard setbacks could not be achieved, etc.)	<ul style="list-style-type: none"> <li>Revised and combined with other policies.</li> </ul>	LU-10.4 Allow for flexibility with the management of nonconforming uses if compliance would prohibit the productive use of the property, especially if these activities support important community functions.
<b>LU-67 Facilitate the compliance of other nonconformities with current development standards.</b>	<ul style="list-style-type: none"> <li>Redundant and combined with above.</li> </ul>	<b>[REMOVED]</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-67.1 Provide for the continued operation, maintenance, and minor repair of other nonconformities that were legally established but are no longer in compliance with development standards.	<ul style="list-style-type: none"> <li>Redundant and combined with above. [REMOVED]</li> </ul>	[REMOVED]
LU-67.2 Restrict other nonconformities from increasing the scale or the intensity of the nonconformity.	<ul style="list-style-type: none"> <li>Redundant and combined with above. [REMOVED]</li> </ul>	[REMOVED]
LU-67.3 Require that other nonconformities be brought into compliance at the time they are significantly damaged or replaced.	<ul style="list-style-type: none"> <li>Redundant and combined with above. [REMOVED]</li> </ul>	[REMOVED]
LU-67.5 Encourage the assembly of substandard lots whose platted size do not realistically allow them to meet contemporary development standards.	<ul style="list-style-type: none"> <li>It is unclear why exactly this is a policy. This seems more like a potential strategy that should defer to other parcel assembly policies. [REMOVED]</li> </ul>	[REMOVED]
<b>LU-68 In targeted areas, consider the continuation of nonconforming uses that support other specified goals such as economic development, housing, etc. on a flexible basis.</b>	<ul style="list-style-type: none"> <li><b>Redundant and combined with above.</b></li> </ul>	<b>[REMOVED]</b>
LU-68.1 Identify specific areas where strict abatement of nonconforming uses could be contrary to other City goals and policies that are determined to be of a higher immediate priority.	<ul style="list-style-type: none"> <li>Redundant and combined with above. [REMOVED]</li> </ul>	[REMOVED]
LU-68.2 Identify and implement a process to enable targeted nonconforming uses to persist, which addresses the manner of the nonconformity and how bringing it into compliance would deter higher priority goals and policies, and the extent to which the nonconformity may be allowed to remain.	<ul style="list-style-type: none"> <li>Redundant and combined with above. [REMOVED]</li> </ul>	[REMOVED]



# 3 Capital Facilities and Essential Public Facilities

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p><b>CF-1</b> Provide services and utilities that the City can most effectively deliver, and contract or franchise for those services and utilities that the City determines can best be provided by a special district, other jurisdiction, or the private sector. Promote demand management and the conservation of services and facilities prior to developing new facilities.</p>	<ul style="list-style-type: none"> <li>▪ Simplified the goal itself and included provisions as policies.</li> <li>▪ Remove demand management provision to include in policies.</li> </ul>	<p><b>CF-1:</b> Coordinate cost-effective and efficient utilities and service delivery for city residents and businesses.</p>
<p>CF-1.3 All services and utilities shall be provided in accordance with this plan.</p>	<ul style="list-style-type: none"> <li>▪ This is an establishing policy that should be included in the front.</li> </ul>	<p>CF-1.1 All services and utilities shall be provided in accordance with this plan.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>▪ Incorporate categories of services specified in the introductory text. Note that this is referenced in policy but is not included in the policies themselves.</li> </ul>	<p>CF-1.2 Manage utilities and services in Lakewood according to the following categories for effective management and delivery:</p> <ul style="list-style-type: none"> <li>▪ Type 1 services and utilities are provided directly to the resident by the City of Lakewood or city-contracted provider.</li> <li>▪ Type 2 services are provided directly to the resident by a special district with independent taxing and regulatory authority.</li> <li>▪ Type 3 services are utilities provided directly to the resident by a special district, county, or private company under the city's franchise regulatory authority.</li> <li>▪ Type 4 services are those provided to federal military lands and utilities as well as services provided by the federal government to non-federal lands.</li> </ul>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>▪ Split from the original goal above.</li> </ul>	<p>CF-1.3 Contract or franchise services that are more effective or cost-efficient to be provided by a special district, other jurisdiction, or the private sector.</p>

### 3 Capital Facilities and Essential Public Facilities // Lakewood Comprehensive Plan Audit

Original Goal/Policy	Rationale for Change	Final Goal/Policy
CF-1.1 Periodically review the provision of services and utilities within the city to ensure that service is being provided in accordance with this plan.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	CF-1.4 Engage in periodic assessments of services and utilities within the city to ensure compliance with this Comprehensive Plan.
[NEW]	<ul style="list-style-type: none"> <li>Ensure that the Plan is compliant with requirements under RCW 36.70A.070(3)(e).</li> </ul>	CF-1.5 Reassess the Land Use Element if probable funding falls short of meeting existing needs as outlined within the Capital Facilities Plan.
CF-1.2 Require the provider to correct deficiencies where deficiencies in service or utility provision are identified. If the City determines that the provider is not responsive to the service needs of city residents, the City shall consider all remedies within its authority to ensure the adequate provision of service.	<ul style="list-style-type: none"> <li>Removed the second part to include in a separate policy below.</li> </ul>	CF-1.6 Require a utility or other service provider to correct deficiencies when identified.
[NEW]	<ul style="list-style-type: none"> <li>Split from the policy above.</li> </ul>	CF-1.7 Leverage city authority to guarantee adequate service provision, especially if a provider fails to meet public service needs.
[NEW]	<ul style="list-style-type: none"> <li>Split from the goal above.</li> </ul>	CF-1.8 Prioritize demand management and conservation strategies before the development of new capital facilities and infrastructure.
CF-1.4 Develop conservation measures to reduce solid waste and increase recycling.	<ul style="list-style-type: none"> <li></li> </ul>	CF-1.9 Develop conservation measures to reduce solid waste and increase recycling.
CF- 1.5 Promote improved conservation and more efficient use of water, as well as the increased use of reclaimed water, to reduce wastewater generation and ensure water availability.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-1.10 Advocate for enhanced water conservation and efficient usage to reduce wastewater generation and ensure water availability.
CF-1.6 Promote the use of renewable energy resources to meet the region's energy needs.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-1.11 Encourage the use of renewable energy resources to meet local and regional energy demands.
CF-1.7 Reduce the rate of energy consumption through conservation and alternative energy forms to extend the life of existing facilities and infrastructure.	<ul style="list-style-type: none"> <li>Redundant with the current CT-1.7 above.</li> </ul>	[REMOVED]
<b>CF-2 Provide and maintain adequate Type 1 capital facilities to meet the needs of existing and new development as envisioned in this plan.</b>	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	<b>CF-2 Ensure adequate Type 1 capital facilities to meet the needs of existing and new development.</b>

### 3 Capital Facilities and Essential Public Facilities // Lakewood Comprehensive Plan Audit

Original Goal/Policy	Rationale for Change	Final Goal/Policy
CF-2.1 Deny land use and/or development permit requests when capacity to serve the project is projected to be inadequate, and/or LOS is projected to be unmet, at the time of occupancy.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-2.1 Require adequate capacity and level of service standards at occupancy as conditions for land use and development permits.
CF-2.2 Require new development to fund a fair share of costs to provide service and utility needs generated by that development.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-2.2 Require new development to support a fair share of infrastructure needs resulting from the development and future use of the site to ensure that capacity and LOS requirements can be met.
CF-2.3 At the City's discretion, capital improvements shall be provided by the developer to ensure that capacity is available or LOS standards are met at the time of occupancy.	<ul style="list-style-type: none"> <li>Combine with above.</li> </ul>	[REMOVED]
CF-2.4 Concurrency may be utilized for determining transportation capacity and LOS.	<ul style="list-style-type: none"> <li>Minor edit.</li> </ul>	CF-2.3 Use concurrency measures for the assessment of transportation capacity and LOS determinations.
CF-2.5 Provide City facilities and parks and recreation capital improvements in accordance with this plan and the Legacy parks plan.	<ul style="list-style-type: none"> <li></li> </ul>	CF-2.4 Provide for the development of city facilities, parks, and recreation capital improvements in accordance with this Plan and the Parks Legacy Plan.
CF-2.6 Review proposed land use permits and/or development permits or approvals for impacts to parks and recreation capacity.	<ul style="list-style-type: none"> <li>Removed as this is consistent with CF-2.1.</li> </ul>	[REMOVED]
CF-2.7 Require new development to fund a fair share of costs to provide parks and recreation needs generated by that development.	<ul style="list-style-type: none"> <li>Combined with CF-2.2 above.</li> </ul>	[REMOVED]
CF-2.8 The City may consider public, on-site open space and recreational facilities provided at the developer's expense that are substantially in excess of those required by the City, or that provide a unique attribute to the city, as a full or partial substitute for a development's fair share funding for parks and recreation.	<ul style="list-style-type: none"> <li>This has been removed as the broader nature of CF-2.2 can allow for this and an in-kind donation would be considered an operational detail to a program.</li> </ul>	[REMOVED]
CF-2.9 Coordinate with public schools for jointly funded parks and recreation capital improvements and inclusion of jointly funded projects in the parks and recreation CIP.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-2.5 Coordinate with the school district on jointly funded parks and recreation capital improvements.
CF-2.10 Update the City's 6-year Capital Improvement Plan at least every two years in conjunction with the City's budget development and approval process.	<ul style="list-style-type: none"> <li>This is redundant with the provision of the CIP below. However, this is combined with the policies below.</li> </ul>	[REMOVED]

### 3 Capital Facilities and Essential Public Facilities // Lakewood Comprehensive Plan Audit

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>CF-3</b>	<b>Require Type 2 providers to provide adequate service and capital facilities to meet the needs of existing and new development as envisioned in this plan.</b>	▪ Edited for brevity and clarity.	<b>CF-3</b>	<b>Require Type 2 providers to provide adequate service delivery to meet the needs of existing and new development.</b>
CF-3.1	Where land use and/or development permits or approvals must be reviewed by a Type 2 provider, the provider shall conduct such reviews in a timely manner concurrently with the City.	▪ Edited for brevity and clarity.	CF-3.1	Require Type 2 providers to conduct prompt and concurrent reviews of land use and development permits in coordination with the city.
CF-3.2	Coordinate with fire and medical service providers for inclusion of necessary health and safety development standards into City development regulations and building codes, and support the providers' enforcement of the adopted standards.	▪ Edited for brevity and clarity.	CF-3.2	Coordinate with fire and emergency medical services providers to integrate health and safety standards into development regulations and building codes, and enforce these adopted standards.
CF-3.3	Coordinate with public school providers for the provision of capital improvements.	▪ Combined with the following policy.	CF-3.3	Coordinate with the school district on capital improvements for school facilities and include the school district CIPs as an appendix to the city CIP following review for consistency with this plan.
CF-3.4	Incorporate the public school CIPs as appendices to the City CIP following review for consistency with this plan.	▪ Combined with above.	[REMOVED]	
CF-3.5	Following review and adoption of a District master plan and CIP, coordinate with public schools for the collection, if applicable, of school impact fees as part of the project review process.	▪ Edited for brevity and clarity.	CF-3.4	Coordinate the assessment and collection of school impact fees as part of the development project review process as applicable.
<b>CF-4</b>	<b>Require Type 3 utilities to provide adequate service and capital facilities to meet the needs of existing and new development as envisioned in this plan.</b>	▪ Edited for brevity and clarity.	<b>CF-4</b>	<b>Require Type 3 utilities to provide adequate service delivery to meet the needs of existing and new development.</b>
CF-4.1	Type 3 utilities shall expedite the provision of services and capital facilities necessary to support this plan.	▪ Edited for clarity.	CF-4.1	Mandate that Type 3 utilities provide sufficient service and infrastructure to fulfill the needs of both existing and future development.
CF-4.2	Where land use and/or development permits or approvals must be reviewed by a Type 3 provider, the provider shall conduct such reviews in a timely manner concurrently with the City.	▪ Edited for brevity and clarity.	CF-4.2	Require Type 3 providers to conduct prompt and concurrent reviews of land use and development permits in coordination with the city.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
CF-4.3 Coordinate with providers for inclusion of necessary development standards into City development regulations and building codes, and support the providers' enforcement of the adopted standards.	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	CF-4.3 Coordinate with providers to include necessary standards into development regulations and building codes, and to enforce these adopted standards.
CF-4.4 Deny land use and/or development permit applications unless sufficient water, sewer, and electrical capacity or LOS are available to the development at time of occupancy.	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	CF-4.4 Refuse land use and development permits for projects not serviced by adequate water, sewer, stormwater, or electrical capacity or levels of service at the time of occupancy.
CF-4.5 At the City's discretion, the developer shall provide the necessary capital improvements to ensure that water, sewer, and electrical capacity will be available or levels of service met at the time of occupancy. Improvements shall meet the standards set forth by the utility provider.	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	CF-4.5 Direct developers to provide necessary capital improvements to ensure that water, sewer, and electrical capacity will be available at the time of occupancy.
CF-4.6 Require new development to fund a fair share of costs to provide water and sewer utilities needs generated by that development.	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	CF-4.6 Require new development to support a fair share of the costs for water and sewer infrastructure necessary for that development.
CF-4.7 Incorporate sewer and water provider CIPs as appendices to the City CIP, following review for consistency with this plan.	<ul style="list-style-type: none"> <li>▪ Minor edits.</li> </ul>	CF-4.7 Work to incorporate CIPs from sewer and water provider as appendices to the city CIP if consistent with this Plan.
<b>CF-5 Coordinate with Type 4 utilities and services for the provision of services to non-federal lands.</b>		<b>CF-5 Coordinate with Type 4 utilities and services for the provision of services to non-federal lands.</b>
CF-5.1 Coordinate with Type 4 providers on a case-by-case basis for the provision of services on non-federal land.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	CF-5.1 Engage in case-by-case coordination with Type 4 providers for the provision of services on non-federal land as required.
CF-5.2 Coordinate with Type 4 providers for monitoring and maintenance of provider facilities located on non-federal land.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	CF-5.2 Partner with Type 4 providers to monitor and maintain facilities located in the city on non-federal land.
<b>CF-6 Establish a City CIP consisting of separate CIPs for each service or utility that lists planned capital improvements and establishes a priority and dedicated funding source for the capital improvements for a six-year period.</b>	<ul style="list-style-type: none"> <li>▪ Shorten the goal and split out consideration as a policy.</li> </ul>	<b>CF-6 Establish a city Capital Improvement Plan consisting of individual CIPs for each service and utility that lists planned capital improvements.</b>
[NEW]	<ul style="list-style-type: none"> <li>▪ Separated from goal above.</li> <li>▪ Updated with CF-2.10.</li> </ul>	CF-6.1 Update the city's six-year Capital Improvement Plan as an appendix to this Plan at least every two years to establish priorities and funding sources for capital improvements.

### 3 Capital Facilities and Essential Public Facilities // Lakewood Comprehensive Plan Audit

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
CF-6.1	Evaluate each service or utility CIP priority and funding sources at least once every two years, but not more than twice a year. Any amendment to the CIP must analyze the impacts the amendment will have on permits issued by the City based on concurrency.	<ul style="list-style-type: none"> <li>Separate into two policies.</li> </ul>	CF-6.2	Evaluate each service or utility CIP priority and funding sources at least once every two years, but not more than twice a year.
[NEW]		<ul style="list-style-type: none"> <li>Separated from policy above.</li> </ul>	CF-6.3	Analyze the impacts of amendments to the CIP on permits issued by the city based on concurrency.
CF-6.2	Provide necessary Type 1 capital improvements within the City's ability to fund or within the City's authority to require others to provide.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-6.4	Limit the provision of Type 1 capital improvements based on city's fiscal capacity and other external funding obligations.
CF-6.3	Evaluate concurrency for transportation based on only those capital improvements identified in the CIP as fully funded within the six-year period.		CF-6.5	Evaluate concurrency for transportation based on capital improvements identified in the CIP as fully funded within the six-year period.
CF-6.4	The City shall not provide a capital improvement, nor shall it accept the provision of a capital improvement by others, if the City or the provider is unable to pay for subsequent annual operating and maintenance costs of the improvement.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-6.6	Refrain from undertaking a capital improvement or accepting an improvement provided by another if the city or the service provider lack the resources to support ongoing operation and maintenance.
CF-6.5	The City CIP shall constitute a separate adopted appendix to this plan.	<ul style="list-style-type: none"> <li>Redundant and combined with above.</li> </ul>	[REMOVED]	
<b>CF-7</b>	<b>Provide, maintain, and improve City facilities to ensure efficiency safety, and to provide the best possible service to residents, employees, and the city while enhancing the physical landscape and quality of life.</b>	<ul style="list-style-type: none"> <li><b>Edited for brevity and clarity.</b></li> <li><b>Add consideration of environmental health.</b></li> </ul>	<b>CF-7</b>	<b>Provide city facilities that are efficient, functional, and safe, and enhance the physical landscape, local quality of life, and environmental health.</b>
CF-7.1	Provide a City Hall and other city facilities that are safe; functional; conducive to the provision of local governance, service provision, and operations; and provide a positive model of the type of development desired in the city.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-7.1	Develop and maintain City Hall and other municipal facilities to support effective local governance, service delivery, and public engagement, and provide a model of desired development for the city.
CF-7.2	Maintain, and provide as needed, adequate permanent facilities for police functions.	<ul style="list-style-type: none"> <li>Edited for brevity and clarity.</li> </ul>	CF-7.2	Provide adequate permanent facilities for police functions.



Original Goal/Policy	Rationale for Change	Final Goal/Policy
CF-7.3 To the extent possible, direct public investment toward the designated Regional Growth Center and residential areas targeted for high density residential growth, especially those with an existing substandard public environment, characterized by a lack of sidewalks, street lighting, open space, and other public amenities.	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	CF-7.3 Direct public investment toward the designated Regional Growth Center and areas targeted for high-density residential development to help promote growth in these areas.
CF-7.4 Prioritize the acquisition and development of parks and recreation facilities to eliminate LOS deficiencies in densely populated areas of the city and provide amenities in areas designated for growth.	<ul style="list-style-type: none"> <li>▪ Edited to acknowledge underserved areas.</li> </ul>	CF-7.4 Prioritize acquiring and developing parks, open spaces, and recreation facilities to eliminate identified service gaps, particularly in densely populated neighborhoods, underserved areas and parts of the city designated for growth.
CF-7.5 Acquire properties and/or conservation easements in support of critical lands protection, salmon recovery, and floodplain management.	<ul style="list-style-type: none"> <li>▪ Edited to acknowledge underserved areas and for brevity/clarity.</li> </ul>	CF-7.5 Acquire properties and conservation easements to support critical areas protection, salmon recovery, and effective floodplain management.
<b>CF-8 Provide for the siting of identified essential public facilities.</b>	<ul style="list-style-type: none"> <li>▪ <b>Edited for clarity.</b></li> </ul>	<b>CF-8 Establish efficient and transparent processes for the siting of essential public facilities.</b>
CF-8.1 Identify and classify a list of statewide, countywide, and citywide essential public facilities.	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	CF-8.1 Maintain an inventory of essential public facilities that may be sited in Lakewood.
CF-8.2 Identify facilities of a statewide nature consistent with those of the Washington State Office of Financial Management or successor agency.		CF-8.2 Align the identification of statewide essential public facilities with the standards set by the Washington State Office of Financial Management.
CF-8.3 Identify countywide essential public facilities following a cooperative interjurisdictional agreement pursuant to GMA requirements and consistent with the guidance of the CPP.		CF-8.3 Identify countywide essential public facilities in collaboration with relevant jurisdictions through an interjurisdictional agreement that is consistent with the guidance of the Pierce County Countywide Planning Policies.
CF-8.4 Identify city essential public facilities pursuant to the requirements of GMA.	<ul style="list-style-type: none"> <li>▪ Minor edit.</li> </ul>	CF-8.4 Identify city essential public facilities pursuant to the requirements of the Growth Management Act.
[NEW]	<ul style="list-style-type: none"> <li>▪ Incorporates the previous CF-9 goal below.</li> <li>▪ Include a consideration of environmental justice.</li> </ul>	CF-8.5 Maintain a consistent process to site essential public facilities that adequately considers the impacts of specific uses and environmental health disparities.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p><b>CF-9</b> Administer a process, through design and development regulations, to site essential public facilities that adequately consider impacts of specific uses.</p>	<ul style="list-style-type: none"> <li>▪ Section included as a policy above, with more detail provided through regulation.</li> </ul>	<p>[REMOVED]</p>
<p>CF-9.1 Address, as a priority measure, essential public facilities siting related to direct provision of police services.</p>	<ul style="list-style-type: none"> <li>▪ Section removed as it is best included in the Code.</li> </ul>	<p>[REMOVED]</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>CF-9.2 The proposal process for siting an essential public facility is as follows:</p> <ul style="list-style-type: none"> <li>▪ The proposal must be identified on the City's essential public facilities list.</li> <li>▪ In the siting of a statewide or countywide essential public facility, the applicant is required to provide a justifiable need for the public facility and for its location in Lakewood based upon forecasted needs and logical service area, including an analysis of alternative sites within and outside of the city.</li> <li>▪ In the siting of a statewide or countywide essential public facility, ensure that affected agencies and citizens, adjacent jurisdictions, and other interested parties are given adequate notice and opportunity for meaningful participation in decisions on siting essential public facilities.</li> <li>▪ Proposals must be consistent with this Comprehensive Plan and the City's design and development regulations.</li> <li>▪ Medical clinics and services should be sited near public transit facilities and routes.</li> <li>▪ Avoid siting essential public facilities in the 100 -year floodplain or in other areas subject to environmental hazards.</li> <li>▪ If a proposal is not specifically addressed by use (or intensity of the use) in the Comprehensive Plan or design and development regulations, the City will make an administrative use determination in accordance with City regulations. In such cases, proposals requesting siting as an essential public facility shall be subject to a conditional use permit or public facilities permit unless otherwise determined by the City.</li> <li>▪ The proposal will be analyzed for impacts and mitigation in accordance with City design and development regulations.</li> <li>▪ Analysis and mitigation may include fiscal impacts of the proposal to the City.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Section removed as it is best included in the Code.</li> </ul>	<p>[REMOVED]</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
CF 9.3 Subject to the provisions of this section, the siting of essential public facilities is not categorically precluded.	<ul style="list-style-type: none"> <li>Section removed as it is best included in the Code.</li> </ul>	[REMOVED]
<b>CF-10 Coordinate with other jurisdictions, agencies, and service and utility providers for the provision of urban services and utilities within the UGA.</b>	<ul style="list-style-type: none"> <li><b>Edited for clarity and brevity.</b></li> </ul>	<b>CF-9 Coordinate with other jurisdictions and providers to provide urban services and utilities to users in the UGA and recently annexed areas.</b>
CF-10.1 Coordinate with other jurisdictions and agencies for the provision of services and utilities in accordance with the appropriate Type 1, 2, 3, or 4 goals and policies.	<ul style="list-style-type: none"> <li>Note that the city will largely manage the Type 1 services provided to the UGAs, and services provided by other entities will be harder to manage.</li> </ul>	CF-9.1 Work collaboratively with other jurisdictions and service providers to provide cost-effective and efficient Type 1 services and utilities within the UGA that align with relevant goals and policies.
<b>CF-11 Provide urban services and utilities to annexed areas that the City can most effectively deliver, and contract or franchise for those services and utilities that the City determines can best be provided by a special district, other jurisdiction, or the private sector.</b>	<ul style="list-style-type: none"> <li><b>Combined with the previous goal.</b></li> </ul>	<b>[REMOVED]</b>
CF-11.1 Determine which service and utility providers are best suited to provide for annexed areas on a case-by-case basis prior to annexation.	<ul style="list-style-type: none"> <li>Edited to align with previous policies and to be clearer in the direction provided.</li> </ul>	CF-9.2 Evaluate the need for contract or franchise services and utilities for newly annexed areas, particularly when these services are more effectively delivered by a special district, another jurisdiction, or the private sector.

# 4 Economic Development

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
ED-1	<b>Maintain a strong, proactive position toward economic development that promotes a positive civic image.</b>	<ul style="list-style-type: none"> <li>Edit for brevity.</li> </ul>	ED-1	<b>Maintain a strong local economy that supports healthy businesses.</b>
ED-1.1	Increase the retail sales tax base of the City.	<ul style="list-style-type: none"> <li>Edited for clarity/intent.</li> </ul>	ED-1.1	Maintain a sustainable retail sales tax base.
ED-1.2	Encourage public-private partnerships which further public goals while advancing economic development opportunities.	<ul style="list-style-type: none"> <li>Edit for brevity.</li> </ul>	ED-1.2	Pursue public-private partnerships that leverage economic development opportunities.
ED-1.3	Promote partnerships with the State, Pierce County, Joint Base Lewis McChord, other cities and organizations to advance regional competitiveness and mutual economic development goals.	<ul style="list-style-type: none"> <li>Edit for brevity.</li> </ul>	ED-1.3	Maintain partnerships with the State, Pierce County, Joint Base Lewis McChord, and other cities and organizations to build and maintain regional economic competitiveness.
ED-1.4	Review and respond to emerging issues, pending legislation, and provide guidance with regards to special projects and economic development initiatives.	<ul style="list-style-type: none"> <li>This is unclear and may not be required.</li> </ul>	[REMOVED]	
ED-1.5	Encourage development or maintenance of business recruitment programs.	<ul style="list-style-type: none"> <li>This should be combined with the next policy.</li> </ul>	ED-1.4	Provide local business recruitment, retention, and expansion programs.
ED-1.6	Encourage development or maintenance of business expansion and retention programs.	<ul style="list-style-type: none"> <li>This should be combined with the previous policy.</li> </ul>	[REMOVED]	
ED-1.7	Where feasible and appropriate, assist the business community in the collection of data relative to economic development.	<ul style="list-style-type: none"> <li>Edit for brevity.</li> </ul>	ED-1.5	Compile and report relevant local economic data to guide economic development programs.
ED-1.8	Increase Lakewood's leadership, role and influence in local and regional forums in order to advance the City's economic development goals.	<ul style="list-style-type: none"> <li>Edit for clarity and brevity.</li> </ul>	ED-1.6	Participate in local and regional economic forums that advance economic development goals.
ED-1.9	Continue to pursue aggressive public safety programs designed to protect residents, businesses, and their investments.	<ul style="list-style-type: none"> <li>Refine the focus of this policy.</li> </ul>	ED-1.7	Maintain public safety programs that protect people and encourage local investment.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
ED-1.10 Maintain working partnerships with Pierce College and Clover Park technical College in order to encourage and support their expansion and further integration within the Lakewood economy, as well as to identify and exploit increasing opportunities for economic development.	<ul style="list-style-type: none"> <li>Simplify and refine the policy.</li> </ul>	ED-1.8 Maintain partnerships with Pierce College and Clover Park Technical College as integral components of the local and regional economy.
ED-1.11 Consider opportunities to partner with local human service organizations to assist in providing human services resource development programs for the unemployed or under-employed.	<ul style="list-style-type: none"> <li>Simplify the policy.</li> </ul>	ED-1.9 Partner with local human service organizations to providing training and development programs for the unemployed or under-employed.
<b>ED-2 Ensure a responsive and efficient business licensing and building permitting process.</b>	<ul style="list-style-type: none"> <li><b>Change the language to focus on a goal and purpose.</b></li> </ul>	<b>ED-2 Ensure responsiveness in business support.</b>
ED-2.1 Establish a permit process system that is fair and timely while promoting the public health, safety, and general welfare.	<ul style="list-style-type: none"> <li>Clarify and reduce text.</li> </ul>	ED-2.1 Maintain timely and responsive permitting and licensing processes.
ED-2.2 Work with adjacent cities and Pierce County on consistency among regulatory codes.	<ul style="list-style-type: none"> <li>Consolidate text.</li> </ul>	ED-2.2 Support consistency with regulatory codes in other jurisdictions.
ED-2.3 Encourage predictability and consistency in the City's land use regulations, while also allowing for flexibility and creativity in the site development process.	<ul style="list-style-type: none"> <li>This is an overly vague policy that is addressed in other policies.</li> </ul>	[REMOVED]
ED-2.3 Encourage predictability and consistency in the City's land use regulations, while also allowing for flexibility and creativity in the site development process.	<ul style="list-style-type: none"> <li>This is an overly vague policy that is addressed in other policies.</li> </ul>	ED-2.3 Promote a customer service approach in permitting and licensing and provide regular reviews of performance.
ED-2.3 Encourage predictability and consistency in the City's land use regulations, while also allowing for flexibility and creativity in the site development process.	<ul style="list-style-type: none"> <li>This is an overly vague policy that is addressed in other policies.</li> </ul>	ED-2.4 Provide targeted permitting and licensing assistance to small businesses.
ED-2.3 Encourage predictability and consistency in the City's land use regulations, while also allowing for flexibility and creativity in the site development process.	<ul style="list-style-type: none"> <li>This is an overly vague policy that is addressed in other policies.</li> </ul>	[REMOVED]
<b>ED-3 Encourage increased ownership and quality housing throughout the City.</b>	<ul style="list-style-type: none"> <li><b>This does not seem to be an economic development goal per se, and should be consolidated in housing.</b></li> <li><b>Additionally, note that the policies included below may not be as applicable to homeownership directly.</b></li> </ul>	<b>ED-3 Promote increased homeownership opportunities in the city.</b>



Original Goal/Policy		Rationale for Change	Final Goal/Policy	
ED-3.1	Encourage home ownership to increase the number of invested stakeholders in the community.	<ul style="list-style-type: none"> <li>This is very close to the goal and may not be as applicable as a policy.</li> </ul>	[REMOVED]	
ED-3.2	Expand the homeownership opportunities for existing residents in neighborhoods with homeownership rates are lower than the regional average.	<ul style="list-style-type: none"> <li>Refine and clarify.</li> </ul>	ED-3.1	Expand homeownership opportunities for existing residents in neighborhoods with low homeownership rates.
ED-3.3	Expand quality of middle-income housing products.	<ul style="list-style-type: none"> <li>This is unclear and unnecessary.</li> </ul>	[REMOVED]	
ED-3.4	Develop new relationships and mechanisms that increase private investment in, and production of high- quality housing for all income groups.	<ul style="list-style-type: none"> <li>This is very unclear.</li> </ul>	ED-3.2	Develop new relationships and mechanisms that increase private investment in, and production of high- quality housing for all income groups.
ED-3.5	Consider the cumulative impact of regulations on the ability of housing developers to meet current and future housing demand.	<ul style="list-style-type: none"> <li>Edit for clarity and include overall effects.</li> </ul>	ED-3.3	Consider the cumulative effects of regulations and incentives on the ability of housing developers to meet current and future housing demand.
ED-3.6	Require owners, investors, and occupants, to be responsible for maintenance of the housing stock.	<ul style="list-style-type: none"> <li>This appears to be vague and somewhat unnecessary.</li> </ul>	[REMOVED]	
ED-3.7	Ensure that owners, managers, and residents of rental property improve the safety, durability, and livability of rental housing.	<ul style="list-style-type: none"> <li>This appears to be vague and somewhat unnecessary.</li> </ul>	[REMOVED]	
ED-3.8	Support the public and private actions that improve the physical and social environment of areas that have experienced disinvestment in housing, that have a concentration of low-income households, or that lack infrastructure.	<ul style="list-style-type: none"> <li>This should be refined and clarified.</li> </ul>	ED-3.4	Support public and private investment to improve areas that have experienced a historical lack of investment in housing and infrastructure, and have a concentration of low-income and disadvantaged households.
ED-3.9	Attract a proportionate share of the region's families with children in order to encourage stabilized neighborhoods and a vital public school system.	<ul style="list-style-type: none"> <li>This can be reframed to focus on housing needs for families. Note that this should be expanded beyond homeownership.</li> </ul>	ED-3.5	Encourage family-sized housing options for rental and homeownership.
ED-3.10	Promote housing opportunities that build a sense of community, civic involvement, and neighborhood pride.	<ul style="list-style-type: none"> <li>This is overly vague.</li> </ul>	[REMOVED]	
<b>ED-4</b>	<b>Leverage public infrastructure for private investment.</b>	<ul style="list-style-type: none"> <li><b>Clarify and edit the text.</b></li> </ul>	<b>ED-4</b>	<b>Coordinate the planning of public infrastructure and private investment.</b>
ED-4.1	Where public costs will be recouped from increased revenue resulting from private investment, invest in infrastructure to stimulate and generate private investment for economic development and redevelopment projects.	<ul style="list-style-type: none"> <li>Clarify the text and focus the intent.</li> </ul>	ED-4.1	Encourage sustainable investments in local infrastructure that can promote private investment and community economic development.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
ED-4.2 Consider public financing techniques such as the use of local improvement districts, public-private partnerships, and grants in targeted areas to accomplish specific economic development needs.	<ul style="list-style-type: none"> <li>Clarify the text and focus the intent.</li> </ul>	ED-4.2 Use public financing techniques such as local improvement districts, public-private partnerships, and grants to achieve neighborhood and citywide economic development goals.
ED-4.3 Work with community development on signage and frontage improvements and regulations that enhance the community and promote economic development.	<ul style="list-style-type: none"> <li>Clarify the text and focus the intent.</li> </ul>	ED-4.3 Coordinate signage and frontage improvements that enhance the community and promote economic investment.
ED-4.4 Use HUD programs (CDBG allocations and the Section 108 loan program) to help fund infrastructure improvements.	<ul style="list-style-type: none"> <li>Clarify the text and broaden the scope.</li> </ul>	ED-4.4 Support strategic infrastructure investments for economic development with state and federal funding programs.
<b>ED-5 Promote the revitalization/redevelopment of the following areas within Lakewood:</b> <b>1) the Downtown Subarea;</b> <b>2) the South Tacoma Way &amp; Pacific Highway Corridors;</b> <b>3) Springbrook;</b> <b>4) Tillicum/Woodbrook;</b> <b>5) the Lakewood Station District Subarea; and</b> <b>6) Lake City.</b>	<ul style="list-style-type: none"> <li><b>This appears to be a grab bag of policies without a lot of structure. It may be useful to contain them in separate sections to identify specific policy elements for each area. There are some policies in this section that may be broadly applicable, however.</b></li> </ul>	<b>ED-5: Coordinate neighborhood-level economic development that reflects different local conditions and needs.</b>
ED-5.1 Where appropriate, develop and maintain public-private partnerships for revitalization.	<ul style="list-style-type: none"> <li>This can be consolidated and clarified.</li> </ul>	ED-5.1: Coordinate opportunities for public and private investment in neighborhoods that support revitalization.
ED-5.2 Pursue regional capital improvement opportunities within these specific areas.	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	[REMOVED]
ED-5.3 Promote the concentration of commercial uses and cultural activities in the Downtown with the intent of increasing and maintaining the vitality of the community.	<ul style="list-style-type: none"> <li>Revise and make more general.</li> </ul>	ED-5.2 Promote commercial uses and cultural activities to support the vitality of neighborhoods.
ED-5.4 Promote industrial land development at the Woodbrook Business Park.	<ul style="list-style-type: none"> <li>This is very specific and should be covered in Subareas.</li> </ul>	[REMOVED]
ED-5.5 Continue existing programs to expand sewers throughout Tillicum and Woodbrook.	<ul style="list-style-type: none"> <li>Revise and make more general.</li> </ul>	ED-5.3 Ensure that infrastructure planning is coordinated with economic development needs in neighborhoods.
ED-5.6 Expand commercial development along Pacific Highway SW by converting lands designated Public/Institutional into commercial uses.	<ul style="list-style-type: none"> <li>This is very specific and should be covered in Subareas.</li> </ul>	[REMOVED]
ED-5.7 Expand housing ownership opportunities.	<ul style="list-style-type: none"> <li>This is too general and should be consolidated.</li> </ul>	[REMOVED]

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Original Goal/Policy	Rationale for Change	Final Goal/Policy
ED-5.8 Identify and implement strategies to foster small business development and expansion.	<ul style="list-style-type: none"> <li>Revise and make more general.</li> </ul>	ED-5.4 Foster small business development and expansion.
ED-5.9 Aggressively market the Downtown as a place to live, shop, and do business.	<ul style="list-style-type: none"> <li>Consolidate and make more general.</li> </ul>	ED-5.5 Encourage neighborhood centers to be complete communities to live, shop, and do business.
ED-5.10 Encourage mixed use developments within the Downtown and Lakeview.	<ul style="list-style-type: none"> <li>This should be made a more general policy to reflect that mixed-use projects could be included in other areas.</li> </ul>	ED-5.6 Encourage housing and mixed-use development as an opportunity to build support for local businesses.
ED-5.11 Remove blighted buildings from residential neighborhoods.	<ul style="list-style-type: none"> <li>This appears to be an overly broad policy that should be removed.</li> </ul>	[REMOVED]
ED-5.12 Promote affordable single and multi-family development in Lake City and Tillicum.	<ul style="list-style-type: none"> <li>This can be combined with the housing policy above.</li> </ul>	[REMOVED]
ED-5.13 Develop and implement a sub-area plan for Springbrook.	<ul style="list-style-type: none"> <li>This should be shifted to the Subareas Element.</li> </ul>	[REMOVED]
ED-5.14 Consider establishing a local development government corporation and an equity investment approach for land assembly within a designated target area. Under this model, landowners contribute their land (and improvements) as “shares” to the corporation and receive a portion of the distribution from cash flow generated by redevelopment.	<ul style="list-style-type: none"> <li>Revise and summarize.</li> </ul>	ED-5.7 Explore the use of a local development government corporation for land assembly in neighborhoods.
[NEW]	<ul style="list-style-type: none"> <li>Added as a potential option for future consideration.</li> </ul>	ED-5.8 Explore ways to allow craft/artisanal industrial uses that permit on-site manufacturing with supporting retail in compatible commercial areas.
<b>ED-6 Ensure the logistical functions of Lakewood’s industrial districts are not impaired by conflicts with other transportation system users.</b>	<ul style="list-style-type: none"> <li><b>This should be organized within the Transportation Element.</b></li> </ul>	<b>[REMOVED]</b>
ED-6.1 Where feasible and appropriate, promote freight mobility through grade separation of rail traffic from street traffic and improvement of existing Lakewood road connections.	<ul style="list-style-type: none"> <li>This is more related to the Transportation Element.</li> </ul>	[REMOVED]
ED-6.2 Pursue regional capital improvement opportunities that will benefit Lakewood’s industrial districts.	<ul style="list-style-type: none"> <li>This is very general.</li> </ul>	[REMOVED]
ED-6.3 Coordinate with the Capital Improvement Program and Six-Year Transportation Improvement Plan to ensure the maintenance and expansion of infrastructure to support Lakewood’s industrial districts.	<ul style="list-style-type: none"> <li>This appears redundant.</li> </ul>	[REMOVED]

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>ED-7</b>	<b>Protect the mission of, and ensure the long-term viability of Joint Base Lewis- McChord.</b>	<ul style="list-style-type: none"> <li>This is not really an economic development policy and most of this should be consolidated in the Military Compatibility Element. However, including policies on the connections between local businesses and JBLM is important.</li> </ul>	<b>ED-6</b>	<b>Coordinate economic development opportunities related to the support of Joint Base Lewis-McChord.</b>
ED-7.1	Maintain the South Sound Military Communities Partnership.	<ul style="list-style-type: none"> <li>Focus this policy on economic development.</li> </ul>	ED-6.1	Coordinate with the South Sound Military Communities Partnership to explore economic opportunities related to JBLM.
ED-7.2	Conduct a Joint Land Use Study and implement the resulting recommendations into Lakewood's Comprehensive Plan, development regulations, capital improvement programs, and other plans policies.	<ul style="list-style-type: none"> <li>This should have been done by now, and the general policy should be shifted to the Military Compatibility Element.</li> </ul>	[REMOVED]	
ED-7.3	Work with federal, state, and local agencies to fund the acquisition of properties deemed unsafe in the Clear Zone.	<ul style="list-style-type: none"> <li>This should be in the Military Compatibility Element.</li> </ul>	[REMOVED]	
ED-7.4	Develop a JBLM Regional Policy Considerations Guide. The guide would include background text on JBLM operations and policies associated with economic development and housing.	<ul style="list-style-type: none"> <li>This should have been done by now and can be made more general.</li> </ul>	ED-6.2	Coordinate economic development planning with JBLM operations and policies associated with economic development and housing.
ED-7.5	Support workforce development programs for military personnel transitioning out of military service.	<ul style="list-style-type: none"> <li>This should remain and works well in this section.</li> </ul>	ED-6.3	Support workforce development programs for military personnel transitioning out of military service.
ED-7.6	Continue to support the efforts of the South Sound Military Communities Partnership.	<ul style="list-style-type: none"> <li>This is redundant with ED-7.1 above.</li> </ul>	[REMOVED]	
ED-7.7	Conduct industry justification and economic diversification studies in response to drawdown and potential loss of Department of Defense contracts.	<ul style="list-style-type: none"> <li>This policy should be refined towards action.</li> </ul>	ED-6.4	Pursue economic diversification to increase local economic resilience in response to any planned drawdowns at JBLM.
<b>LU-16</b>	<b>Strengthen Lakewood's and the region's economy by supporting existing businesses and by attracting new uses and businesses.</b>	<ul style="list-style-type: none"> <li>This should be removed as it appears redundant with the other goals in the Economic Development Element.</li> </ul>	[REMOVED]	
LU-16.1	Ensure that commercial development and redevelopment contributes to Lakewood as a community and to the vitality of individual commercial areas within the City.	<ul style="list-style-type: none"> <li>This is overly broad and should be removed.</li> </ul>	[REMOVED]	
LU-16.2	Establish functional and distinct commercial districts and corridors within the City.	<ul style="list-style-type: none"> <li>This is overly broad and should be removed.</li> </ul>	[REMOVED]	
<b>PS-21:</b>	<b>Expand economic opportunities.</b>	<ul style="list-style-type: none"> <li>Note that this was reorganized and brought in from the previous "Public Services" section for consistency.</li> </ul>	<b>ED-7</b>	<b>Expand economic opportunities for Lakewood residents.</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>PS-21.1: Support economic development activities that provide or retain livable wage jobs for low and moderate income persons.</p> <ul style="list-style-type: none"> <li>▪ Develop a low-interest loan program, tax credits and other mechanisms to serve as incentives for businesses to create or retain jobs for low and moderate income persons.</li> <li>▪ Develop a technical assistance program for supporting businesses for the purpose of creating or retaining jobs for low and moderate income individuals.</li> <li>▪ Provide businesses with access to low-interest loans to expand economic opportunities through on-site infrastructure improvements, rehabilitation, acquisition, and other commercial improvements for the purpose of creating or retaining jobs for low and moderate income persons.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Split apart these elements into separate policies.</li> <li>▪ Changed “persons” to households.</li> </ul>	<p>ED-7.1 Support economic development activities that provide or retain livable wage jobs for low- and moderate-income households.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>▪ Policy from above.</li> </ul>	<p>ED-7.2 Develop a low-interest loan program, tax credits, and other mechanisms as incentives for businesses to provide jobs for low- and moderate-income households.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>▪ Policy from above.</li> </ul>	<p>ED-7.3 Develop a technical assistance program for supporting businesses in providing jobs for low- and moderate-income households.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>▪ Policy from above.</li> </ul>	<p>ED-7.4 Provide businesses with access to low-interest loans for business development costs in exchange for providing jobs for low- and moderate-income households.</p>
<p>PS-21.2: Focus investment on housing development and infrastructure improvements in support of economic development in targeted neighborhoods.</p>	<ul style="list-style-type: none"> <li>▪ Edited for brevity and clarity.</li> </ul>	<p>ED-7.5 Focus investments on housing development and infrastructure to support economic development in targeted neighborhoods.</p>

# 5 Energy and Climate Change

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>EC-1 <b>Provide Leadership in Managing Climate Change.</b> Take steps to address climate change and to manage its effects. This goal entails not only pursuing new programs and strategies but informing residents and businesses about these actions and actively monitoring results to ensure progress in priority areas. Partner with other jurisdictions and organizations to develop effective regional solutions and regulation at regional, state and federal levels. Collaborate with residents, businesses, public agencies and neighboring jurisdictions, in order to meet or exceed state requirements for reductions in greenhouse gas emissions.</p>	<ul style="list-style-type: none"> <li>Shortened for brevity</li> </ul>	<p>EC-1 <b>Provide Leadership in Managing Climate Change.</b> Take steps to address climate change and to manage its effects. Partner with other jurisdictions, organizations, residents, and businesses to address climate change and support climate resiliency solutions.</p>
<p>EC-1.1 <b>Provide Leadership and Advocacy:</b> The success of climate change initiatives depends on collaborative approaches. Lakewood will take a leadership role in advocating for local and regional climate change solutions, forge new partnerships, develop innovative solutions, and continue to support and promote regional climate change and sustainability efforts.</p>	<ul style="list-style-type: none"> <li>Shortened for brevity</li> </ul>	<p>EC-1.1 <b>Provide Leadership and Advocacy:</b> Take a leadership role in advocating for local and regional climate change solutions, forge new partnerships, develop innovative solutions, and continue to support and promote regional climate change and sustainability efforts.</p>
<p>EC-1.2 <b>Increase Public Awareness and Support:</b> Encourage residents and businesses to reduce their carbon footprint by raising their awareness about the impacts of climate change and by building support for climate change initiatives in Lakewood.</p>	<ul style="list-style-type: none"> <li>Added more language reflective of what the steering committee wished to see in the Comp Plan</li> </ul>	<p>EC-1.2 <b>Increase Public Awareness and Support:</b> Encourage residents and businesses to reduce their carbon footprint by raising their awareness about the impacts of climate change and by building support for climate change initiatives in Lakewood through education, data, and partnerships with community-based organizations and utility companies.</p>
<p>NEW</p>	<ul style="list-style-type: none"> <li>Added more language reflective of what the steering committee wished to see in the Comp Plan</li> </ul>	<p>EC 1.3 <b>Provide Resources about Climate Change Impacts:</b> Develop educational resources and publicly available data to build awareness of the impacts of climate change in Lakewood.</p>
<p>[ NEW ]</p> <ul style="list-style-type: none"> <li>Added to address goals under the VISION 2050 plan.</li> </ul>	<p>EC-1.4 <b>Achieve Regional Greenhouse Gas Emissions Goals:</b> Work to achieve regional goals of reducing the emissions of greenhouse gases that contribute to climate change consistent with the goals of VISION 2050 and the Puget Sound Clean Air Agency. These goals are set at reductions of 50% below 1990 levels by 2030 and 80% below 1990 levels by 2050.</p>	



Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>EC-2 <b>Improve Clean and Efficient Transportation Options.</b> Expand the city’s transportation network by encouraging the use of climate-friendly technology, planning growth around multiple modes of travel and reducing automobile reliance. Promote improved public transit and partner with private developers to undertake citywide improvements that make active modes of travel, such as walking and bicycling, more comfortable and preferable options.</p>	<ul style="list-style-type: none"> <li>Removed language that could be its own policy under this goal.</li> </ul>	<p>EC-2 <b>Improve Clean and Efficient Transportation Options.</b> Expand the city’s transportation network by encouraging the use of climate-friendly technology, planning growth around multiple modes of travel and reducing automobile reliance.</p>
<p>EC-2.1 <b>Increase Use of Energy Efficient Vehicles and Equipment:</b> Encourage the use of energy efficient vehicles and equipment to reduce energy consumption and carbon emissions and support the use of low-emission or renewable fuel vehicles by residents and businesses, public agencies and city government.</p>	<ul style="list-style-type: none"> <li>Deleted as an operational detail not a policy.</li> </ul>	<p>[REMOVED]</p>
<p>EC-2.2 <b>Expand Affordable Public Transit:</b> Public transit provides an environmentally friendly, cost-effective, and equitable mode of travel for residents and visitors. Lakewood will coordinate with regional transportation agencies and support enhanced and expanded public transit to improve mobility options for residents and visitors. Encouraging transit-supportive development patterns can further maximize the efficiency of these systems and help reduce air pollution and greenhouse gas emissions within Lakewood.</p>	<ul style="list-style-type: none"> <li>Edited for brevity.</li> </ul>	<p>EC-2.1 <b>Expand Affordable Public Transit:</b> Lakewood will coordinate with transportation agencies and support enhanced and expanded public transit to improve mobility options for residents and visitors.</p>
<p>EC 2.3 <b>Develop Safe and Convenient Walking and Bicycling Routes</b> Prioritize and incentivize walking and bicycling as safe and convenient modes of transportation.</p>		<p>EC 2.2 <b>Develop Safe and Convenient Walking and Bicycling Routes:</b> Prioritize and incentivize walking and bicycling as safe and convenient modes of transportation.</p>
<p>EC 2.4 <b>Expand Regional Passenger Rail</b> Work with Amtrak and Sound Transit to expand commuter rail service and existing parking facilities.</p>		<p>EC 2.3 <b>Expand Regional Passenger Rail:</b> Work with Amtrak and Sound Transit to expand commuter rail service and existing parking facilities.</p>
<p>EC-2.5 <b>Reduce Private Automobile Use:</b> Work toward creation of an urban landscape that will reduce reliance on private automobiles through land use planning and by providing amenities and infrastructure that encourage safe and convenient use of public transit, walking and bicycling.</p>	<ul style="list-style-type: none"> <li>Added language in support of CTR organizations and programs</li> </ul>	<p>EC-2.4 <b>Reduce Private Automobile Use:</b> Work toward creation of an urban landscape that will reduce reliance on private automobiles through land use planning and by providing amenities and infrastructure that encourage safe and convenient use of public transit, walking and bicycling. Commute Trip Reduction programs cannot happen without partnership with local business organizations and local transit advocates.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Split from Goal EC-2 as its own policy</li> </ul>	EC-2.5 <b>Improve Multimodal Transportation Options:</b> Promote improved public transit and partner with private developers to undertake citywide improvements that make active modes of travel, such as walking and bicycling, more comfortable and preferable options.
<b>EC-3 Increase Sustainable and Energy-Efficient Systems. Reduce the city's consumption of energy by encouraging energy conservation and supporting the consumption of energy produced by climate-friendly technologies. Reduce the city's overall waste stream by reducing the city's consumption of goods and materials.</b>	<ul style="list-style-type: none"> <li>Removed details around the city's consumption of energy. This should be addressed by internal planning, not a comprehensive plan.</li> </ul>	<b>EC-3 Increase Sustainable and Energy-Efficient Systems.</b> Reduce the city's consumption of energy by encouraging energy conservation and supporting the consumption of energy produced by climate-friendly technologies.
EC-3.1 <b>Expand Renewable Energy:</b> Promote the generation, transmission, and use of a range of renewable energy sources such as solar, wind power and waste energy to meet current and future demand.		EC-3.1 <b>Expand Renewable Energy:</b> Promote the generation, transmission, and use of a range of renewable energy sources such as solar, wind power and waste energy to meet current and future demand.
EC-3.2 <b>Promote Energy Efficiency and Conservation:</b> Promote efficient use of energy and conservation of available resources in the design, construction, maintenance and operation of public and private facilities, infrastructure and equipment.		EC-3.2 <b>Promote Energy Efficiency and Conservation:</b> Promote efficient use of energy and conservation of available resources in the design, construction, maintenance and operation of public and private facilities, infrastructure and equipment with partners.
EC-3.3 <b>Promote Solid Waste Reduction and Recycling:</b> Promote waste reduction and recycling to minimize materials that are processed in landfills.		EC-3.3 <b>Promote Solid Waste Reduction and Recycling:</b> Promote waste reduction and recycling to minimize materials that are processed in landfills.
EC-3.4 <b>Promote Water Conservation and Reuse:</b> Promote water conservation and recycled water use to reduce energy use associated with wastewater treatment and management.		EC-3.4 <b>Promote Water Conservation and Reuse:</b> Promote water conservation and recycled water use to reduce energy use associated with wastewater treatment and management.
EC-3.5 <b>Incorporate Sustainable Practices in City Government Operations:</b> Promote climate friendly standards, practices, technologies and products in all city facilities and operations. Lead by example to reduce greenhouse gas emissions by incorporating best practices and available technologies.	<ul style="list-style-type: none"> <li>Removed as overly broad and covered with other policies.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>EC-4 <b>Encourage Sustainable Development.</b> Reduce energy consumption by promoting sustainable land uses and development patterns. Pursue infill development opportunities and encourage the construction of higher-density, mixed-use projects around existing public transit infrastructure, schools, parks, neighborhood-serving retail and other critical services. Incorporate ecologically sustainable practices and materials into new development, building retrofits and streetscape improvements.</p>	<ul style="list-style-type: none"> <li>There are 3 goals in one. Removed some language to add as additional goals under EC-4</li> </ul>	<p>EC-4 <b>Encourage Sustainable Development.</b> Reduce energy consumption by promoting sustainable land uses and development patterns.</p>
<p>EC-4.1 <b>Promote Mixed-Use and Infill Development</b> Promote mixed-use, high-density, infill development on vacant and underutilized parcels along commercial corridors, in the Downtown area, and in the Lakewood Station District.</p>		<p>EC-4.1 <b>Promote Mixed-Use and Infill Development</b> Promote mixed-use, high-density, infill development on vacant and underutilized parcels along commercial corridors, in the Downtown area, and in the Lakewood Station District.</p>
<p>EC-4.2 <b>Develop Compact Walkable Neighborhoods and Livable Streets</b> Promote safe and walkable neighborhoods and inter-connected streets through the design of complete streetscapes, public gathering places and all types of physical development that encourages less vehicle use.</p>		<p>EC-4.2 <b>Develop Compact Walkable Neighborhoods and Livable Streets</b> Promote safe and walkable neighborhoods and inter-connected streets through the design of complete streetscapes, public gathering places and all types of physical development that encourages less vehicle use.</p>
<p>EC-4.3 <b>Encourage Green Buildings and Landscaping:</b> Encourage the use of green and sustainable development standards and practices in planning, design, construction and renovation of facilities; promote the use of green streets that incorporate extensive landscaping, pervious surfaces and native planting; encourage new development and redevelopment projects to be LEED-certified green buildings; and promote ecologically-sensitive approaches to landscaping.</p>	<ul style="list-style-type: none"> <li>Edited for brevity.</li> </ul>	<p>EC-4.3 <b>Encourage Green Buildings and Landscaping:</b> Encourage the use of green and sustainable development standards and practices in planning, design, construction and renovation of facilities.</p>
<p>EC-4.4 <b>Promote Green Infrastructure:</b> Develop green infrastructure standards that relies on natural processes for stormwater drainage, groundwater recharge and flood management. (Green approaches for infrastructure development are environmentally and fiscally efficient and provide long-term benefits to the community by reducing energy consumption and maintenance and capital improvement costs.)</p>	<ul style="list-style-type: none"> <li>Edited for brevity.</li> </ul>	<p>EC-4.4 <b>Promote Green Infrastructure:</b> Develop green infrastructure standards that relies on natural processes for stormwater drainage, groundwater recharge and flood management.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>NEW- taken from EC-4</li> </ul>	<p>EC-4.5 <b>Encourage Efficient Development Patterns:</b> Pursue infill development opportunities and encourage the construction of higher-density, mixed-use projects around existing public transit infrastructure, schools, parks, neighborhood-serving retail and other critical services.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>NEW- taken from EC-4</li> </ul>	EC-4.6 <b>Promote Sustainable Practices:</b> Incorporate ecologically sustainable practices and materials into new development, building retrofits and streetscape improvements.
<b>EC-5 Develop a Hazards Management Plan (developing a climate resilient community). While the impacts of climate change on local communities are uncertain, it is important to prepare to respond to major storm events and protect residents and businesses from increased risks of natural disasters. Resilience involves three abilities which are related to hazards management: 1) the ability to absorb strain and preserve functioning despite the presence of adversity; 2) an ability to recover or bounce back from untoward events – as the community becomes better able to absorb a surprise and stretch rather than collapse; and 3) an ability to learn and grow from previous episodes of resilient action.</b>	<ul style="list-style-type: none"> <li><b>Simplified language</b></li> </ul>	<b>EC-5 Develop a Climate Resilient Community.</b> Ensure that the long-term effects of climate change and other hazards are minimized on the community.
<b>EC-5.1 Avoid and Minimize Impacts:</b> When considering climate change impacts, first seek to avoid impacts altogether, then minimize them, and finally, adapt to the unavoidable impacts as much as possible.	<ul style="list-style-type: none"> <li>Removed for redundancy. Should be done as a part of the comprehensive plan update</li> </ul>	[DELETED]
<b>EC-5.2 Identify Risks:</b> Improve the ability to identify areas prone to greater risk from climate change hazards and restrict development and redevelopment in those areas. Increase support for mapping and data collection of high-risk areas.		<b>EC-5.1 Identify Risks:</b> Improve the ability to identify areas prone to greater risk from climate change hazards and restrict development and redevelopment in those areas. Increase support for mapping and data collection of high-risk areas.
<b>EC-5.4 Prepare a Hazard Management Plan:</b> Develop a comprehensive approach to hazards management planning to include possible climate change scenarios and includes both pre-incident and post-incident responses. <ul style="list-style-type: none"> <li>Develop post-disaster redevelopment plans.</li> <li>Expand federal and state support for climate-related hazards management.</li> </ul> Continue to coordinate and cooperate with the hazards-management community.		<b>EC-5.2 Prepare a Hazard Management Plan:</b> Develop a comprehensive approach to hazards management planning to include possible climate change scenarios and includes both pre-incident and post-incident responses. <ul style="list-style-type: none"> <li>Ensure that emergency response plans are in place to minimize impacts of future events.</li> <li>Address the needs of vulnerable populations during emergency conditions such as extreme heat or smoke events.</li> <li>Develop post-disaster redevelopment plans.</li> <li>Expand federal and state support for climate-related hazards management.</li> <li>Continue to coordinate and cooperate with the hazards-management community.</li> </ul>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>EC-5.3 <b>Align Plans and Strategies:</b> Align land use, hazard mitigation, transportation, capital improvement, economic development, and other relevant plans. All of the community's plans, land use, hazard mitigation, transportation, capital improvement, economic development, and other relevant plans, should be working toward the same goals, and their performance measures, indicators, and policy recommendations aligned.</p>	<ul style="list-style-type: none"> <li>Removed for redundancy, as the Plan should be developed for internal consistency as part of the update.</li> </ul>	<p>[REMOVED]</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>Highlight the need to address climate change considerations as part of climate change.</li> </ul>	<p>EC-5.3 <b>Adopt and Enforce Building and Energy Codes:</b> As required by Washington State, update building and life safety codes to better address the variety of hazards that are likely to result from climate change</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>Add to consider the need for discussions of resilience to comply with state/regional mandates.</li> </ul>	<p>EC-5.4 <b>Plan for Flood Risks.</b> Consider flood risks in the development and management of city infrastructure and facilities.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>Add to consider the need for discussions of resilience to comply with state/regional mandates.</li> </ul>	<p>EC-5.5 <b>Improve the Urban Tree Canopy.</b> Enhance the quality and sustainability of the urban forest and urban tree canopy to mitigate urban heat island effects, address stormwater drainage concerns, and meet environmental quality goals.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>Provide to highlight the need for an additional strategy framework for city resiliency.</li> </ul>	<p>EC-5.6 <b>Plan for Climate Resiliency with Public Facilities:</b> Develop a resilience strategy for the purposes of maintaining strong city finances and livable places, thereby allowing the city to more easily adapt to emergent climate-related disasters. As part of this strategy, incorporate climate-resilient designs in public infrastructure, especially city parks, recreation facilities, and buildings.</p>
<p>[ NEW ]</p>	<ul style="list-style-type: none"> <li>Add to consider the need for discussions of resilience to comply with state/regional mandates.</li> </ul>	<p>EC-5.7 <b>Encourage Local Resiliency Efforts:</b> Promote efforts by local businesses to utilize and market climate-resistant features, renewable energy, and other sustainable practices.</p>
<p>[ NEW ]</p>	<ul style="list-style-type: none"> <li>Add to consider the need for discussions of resilience to comply with state/regional mandates.</li> </ul>	<p>EC-5.8 <b>Address Disproportionate Impacts of Hazards:</b> Improve the resilience of overburdened communities to the impacts of climate change through outreach and investment.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[ NEW ]	<ul style="list-style-type: none"> <li>▪ Add to consider the need for discussions of resilience to comply with state/regional mandates.</li> </ul>	EC-5.9 <b>Provide Information About Local Resiliency:</b> Build awareness in the community about the risks from natural disasters and other emergencies and the public programs intended to address these impacts.



# 6 Housing

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>LU-2</b>	<b>Ensure that housing exists for all economic segments of Lakewood’s population.</b>	<ul style="list-style-type: none"> <li>This should be refined to focus on the housing targets by income category.</li> </ul>	<b>HO-1</b>	<b>Promote an overall supply of housing that supports all economic segments of the population.</b>
[NEW]		<ul style="list-style-type: none"> <li>This adds the housing targets by income level.</li> </ul>	HO-1.1	Plan to the 2020–2044 housing target allocations by household income for Lakewood based on area median income for Pierce County, as established by the US Department of Housing and Urban Development, adjusted for household size: <ul style="list-style-type: none"> <li>30% AMI or less: 1,367 units,</li> <li>30–50% AMI: 1,739 units,</li> <li>50–80% AMI: 1,375 units,</li> <li>80–100% AMI: 592 units, and</li> <li>100–120% AMI: 536 units.</li> </ul>
[NEW]		<ul style="list-style-type: none"> <li>Add PSH targets.</li> </ul>	HO-1.2	Plan to the 2020–2044 County target allocations for an additional 1,212 units of permanent supportive housing affordable to households at 0–30% AMI.
[NEW]		<ul style="list-style-type: none"> <li>Add emergency shelter targets.</li> </ul>	HO-1.3	Plan to the 2020–2044 County target allocations for 574 spaces in emergency shelter.
[NEW]		<ul style="list-style-type: none"> <li>Identify the need for family housing.</li> </ul>	HO-1.4	Encourage housing that meets the needs of different sizes and types of households in the community.
[NEW]		<ul style="list-style-type: none"> <li>Recent changes from HB 1220 require anti-displacement policies.</li> <li>Combined from LU-4.7 below.</li> <li>Note that this does overlap with HO-9.</li> </ul>	HO-1.5	Develop and preserve housing to minimize displacement, and coordinate services to assist displaced residents in finding alternative housing options.
<b>(LU-2)</b>	<b>Increase housing opportunities for upper income households.</b>	<ul style="list-style-type: none"> <li>This should be integrated into targets by household income.</li> </ul>	<b>[REMOVED]</b>	
LU-2.1	Target ten (10) percent of new housing units annually through 2030 to be affordable to upper income households that earn over 120 percent of county median income.	<ul style="list-style-type: none"> <li>This should be accommodated in the broader housing targets by household income. (Note that the new target is higher.)</li> </ul>	[REMOVED]	
LU-2.2	Encourage the construction of luxury condominium adjacent to the lakes.	<ul style="list-style-type: none"> <li>This does not appear to be necessary for market-rate developments.</li> </ul>	[REMOVED]	

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-2.3 Support site plans and subdivisions incorporating amenity features such as private recreation facilities, e.g., pools, tennis courts, and private parks to serve luxury developments.	<ul style="list-style-type: none"> <li>This does not appear to be necessary for market-rate developments.</li> </ul>	[REMOVED]
LU-2.4 Increase public awareness of upper income housing opportunities in Lakewood.	<ul style="list-style-type: none"> <li>This does not appear to be necessary for market-rate developments.</li> </ul>	[REMOVED]
<b>(LU-2) Encourage the private sector to provide market rate housing for the widest potential range of income groups including middle income households.</b>	<ul style="list-style-type: none"> <li><b>This has been reframed to provide a focus on market-rate private development meeting housing goals.</b></li> </ul>	<b>HO-2 Promote market-rate housing to meet the needs of households across the city.</b>
LU-2.5 Target sixty-five (65) percent of new housing units annually through 2030 to be affordable to middle income households that earn 80 to 120 percent of county median income.	<ul style="list-style-type: none"> <li>This is not aligned with the requirements from the state on distribution of housing affordability and has been replaced.</li> </ul>	[REMOVED]
LU-2.6 Encourage home ownership opportunities affordable to moderate income households.	<ul style="list-style-type: none"> <li>Refined / clarified. Note that this is combined with the previous LU-4.30.</li> </ul>	HO-2.1 Encourage affordable home ownership opportunities for low- and moderate-income households, especially first-time homebuyers.
LU-2.7 Encourage the construction of townhouse, condominium, and rental units affordable to moderate income households in residential and mixed-use developments and redevelopments.	<ul style="list-style-type: none"> <li>Refined to consider middle housing options and simplified.</li> </ul>	HO-2.2 Encourage middle-housing options affordable to low- and moderate-income households at 100% of area median income or below.
LU-2.8 Continue to provide technical assistance for redevelopment of land in Lake City, Lakeview, Springbrook, Tillicum, and lands located in the City's residential target areas (RTAs) and senior overlay.	<ul style="list-style-type: none"> <li>Refined / clarified.</li> </ul>	HO-2.3 Provide technical assistance for redevelopment in key areas, including Lake City, Lakeview, Springbrook, Tillicum, the city's residential target areas (RTAs), and senior overlay districts.
LU-2.9 Market Lakewood to housing developers.	<ul style="list-style-type: none"> <li>Refined to focus on broader relationship versus marketing.</li> </ul>	HO-2.4 Establish and maintain relationships and pursue partnerships with local and regional market rate and affordable housing developers.
LU-2.10 Maintain an updated inventory of land available for housing development.	<ul style="list-style-type: none"> <li>Edited to reflect that this is intended to support an inventory of available land.</li> </ul>	HO-2.5 Ensure a sufficient inventory of land available for housing development.
LU-2.11 Pursue public-private partnerships to provide for moderate-income housing.	<ul style="list-style-type: none"> <li>The purpose of this policy is unclear as it is uncertain how a public-private partnership would necessarily work in this case.</li> </ul>	[REMOVED]
LU-2.12 Disperse middle-income housing in all areas of the City.	<ul style="list-style-type: none"> <li>This should be consolidated and accommodated with the housing targets for all income categories.</li> </ul>	[REMOVED]
LU-2.13 Ensure that a sufficient amount of land in the City is zoned to allow attached housing and innovative housing types.	<ul style="list-style-type: none"> <li>This may need to be more expansive than just zoning, and acknowledge the need for additional development flexibility.</li> </ul>	HO-2.6 Provide flexibility in development regulations to promote innovative housing types that help meet city housing goals.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>(LU-2) Provide a fair share of low-and very-low income housing in the future.</b>	<ul style="list-style-type: none"> <li>▪ This should be consolidated into a discussion of low-income and special housing below.</li> </ul>	[REMOVED]
LU-2.14 Maintain a sufficient land supply and adequate zoning within the City to accommodate 25 percent of the City's projected net household growth for those making less than or equal to 80 percent of county median income.	<ul style="list-style-type: none"> <li>▪ This is not aligned with the requirements from the state on distribution of housing affordability and has been replaced.</li> </ul>	[REMOVED]
<b>(LU-2) Encourage the private sector to provide market rate housing for the widest potential range of income groups including middle income households.</b>	<ul style="list-style-type: none"> <li>▪ This appears to be a little mixed and includes a lot of non-market, non-private providers. This has been reoriented to focusing on lower-income housing.</li> </ul>	<b>HO-3 Encourage the preservation and expansion of housing options for lower-income residents.</b>
LU-2.15 Establish the following sub-targets for affordability to households earning 50 percent or less of county median income, to be counted to toward the 25 percent target: <ul style="list-style-type: none"> <li>▪ Fifteen (15) percent of new housing units constructed in the City;</li> <li>▪ A number equal to five (5) percent of new housing units, to be met by existing units that are given long-term affordability; and</li> <li>▪ A number equal to five (5) percent of new housing units, to be met by existing units that are purchased by low-income households through home-buyer assistance programs.</li> </ul>	<ul style="list-style-type: none"> <li>▪ This is not aligned with the requirements from the state on distribution of housing affordability and has been replaced.</li> </ul>	[REMOVED]
LU-2.16 Pursue public-private partnerships to provide and manage affordable housing.	<ul style="list-style-type: none"> <li>▪ This can be expanded to encompass some of the bullet points below.</li> </ul>	<b>HO-3.1</b> Maintain and develop partnerships to create and manage affordable housing with nonprofit agencies and other organizations.
<ul style="list-style-type: none"> <li>▪ Support non-profit agencies that construct and manage projects within the City;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Consolidated.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>▪ Support the role of the Pierce County Housing Authority in providing additional housing;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Consolidated.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>▪ Before City surplus property is sold, evaluate its suitability for development of affordable housing; and</li> </ul>	<ul style="list-style-type: none"> <li>▪ Rewrite as a separate policy, as this is slightly different than other elements here.</li> </ul>	<b>HO-3.2</b> Maintain a surplus lands policy that supports development of affordable housing by private, nonprofit, and government organizations.
<ul style="list-style-type: none"> <li>▪ Use federal funds including Community Development Block Grants and HOME funds to support low and moderate income affordable housing.</li> </ul>	<ul style="list-style-type: none"> <li>▪ This should be made more general, and expanded to consider more than just low- and moderate-income housing.</li> </ul>	<b>HO-3.3</b> Use federal and state grants and other funds to support affordable housing goals.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-2.17 Work with other Pierce County cities to address regional housing issues.	<ul style="list-style-type: none"> <li>This should be expanded to include consideration of SHHA3P and other organizations.</li> </ul>	HO-3.4 Work with Pierce County, other cities in the region, and regional organizations to address affordable housing issues.
LU-2.18 Disperse low-income housing in all mixed-use and multi-family land use designations that allow attached dwelling units.	<ul style="list-style-type: none"> <li>This should be consolidated and accommodated with the housing targets for all income categories.</li> </ul>	[REMOVED]
LU-2.19 Except for parts of the Woodbrook neighborhood which is slated to be redeveloped as Industrial, and existing mobile home parks located in commercially designated zones or in Air Corridors, encourage preservation, maintenance, and improvements to existing subsidized housing and to market-rate housing that is affordable to low and moderate income households.	<ul style="list-style-type: none"> <li>This should be simplified for clarity.</li> <li>Additionally, the preservation of manufactured home parks should be separated to highlight that different approaches would be necessary. (Note that this is included in a different policy.)</li> </ul>	HO-3.5 Where possible, support the preservation and improvement of existing subsidized housing and affordable market-rate housing.
(LU-2) Encourage the private sector to provide market rate housing for the widest potential range of income groups including middle income households.	<ul style="list-style-type: none"> <li>This appears to be a little mixed and includes a lot of non-market, non-private providers. The overall text has been trimmed to one bullet below to focus on lower-income housing.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Create opportunities for higher income households to vacate existing lower cost units, by creating a variety of market rate detached and attached housing types; and</li> </ul>	<ul style="list-style-type: none"> <li>This should be removed and consolidated with the housing targets by income category.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Prioritize applications to the City for housing rehabilitation grants to homeowners earning 80 percent of county median income or below based on the greatest degree of existing need. With the exception of emergencies, priority should be given to households occupying conventional housing.</li> </ul>	<ul style="list-style-type: none"> <li>This should be simplified.</li> </ul>	HO-3.6 Maintain a need-based program for housing rehabilitation grants to lower-income homeowners at 80% of AMI or below.
LU-4.10 Continue City funding of housing rehabilitation and repair.	<ul style="list-style-type: none"> <li>Edit for clarity and brevity.</li> <li>Clarify that this is focused on lower-income housing.</li> </ul>	HO-3.7 Maintain need-based housing rehabilitation and repair programs for rental housing meeting the needs of lower-income households at 80% of AMI or below.
LU-4.12 Improve the existing multi-family housing stock by encouraging, through public-private partnerships, revitalization, and replacement of existing apartment complexes in appropriate locations throughout the city.	<ul style="list-style-type: none"> <li>Condense and revise for clarity.</li> </ul>	HO-3.8 Encourage revitalization and rehabilitation of existing apartment complexes in the city to maintain affordable and family-sized housing options.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>No current policies regarding manufactured home parks.</li> </ul>	HO-3.9 Preserve and maintain existing manufactured housing parks as a supply of affordable housing, and encourage long-term housing solutions that will maintain affordable options for residents.
<b>(LU-2) Provide a variety of housing types and revised regulatory measures which increase housing affordability.</b>	<ul style="list-style-type: none"> <li><b>This can be simplified and broadened to make the focus about meeting the needs for different housing types.</b></li> </ul>	<b>HO-4 Support different housing types, designs, and ownership models for options that can meet different housing needs.</b>
LU-2.21 Support projects including planned development districts, subdivisions and site plans incorporating innovative lot and housing types, clustered detached houses, clustered semi-attached houses and a variety of lots and housing types within a site.	<ul style="list-style-type: none"> <li>This should be simplified.</li> </ul>	HO-4.1 Support flexible site designs and innovative housing types to help meet housing needs in the community.
LU-2.22 Support projects that incorporate quality features, such as additional window details, consistent architectural features on all facades, above average roofing and siding entry porches or trellises where innovative site or subdivision designs are permitted.	<ul style="list-style-type: none"> <li>This should be simplified.</li> </ul>	HO-4.2 Support high-quality building design as part of projects where innovative site or subdivision designs are permitted.
LU-2.23 Encourage the construction of cottages on small lots through incentives such as density bonuses.	<ul style="list-style-type: none"> <li>Combine with the following policy.</li> </ul>	HO-4.3 Encourage the construction of cottages and cottage housing developments with site design incentives.
LU-2.24 Support standards that allow cottage housing developments with the following features in residential zones, provided the cottages are limited by size or bulk: <ul style="list-style-type: none"> <li>Allow increased density over the zoned density;</li> <li>Allow reduced minimum lot size, lot dimensions, and setbacks;</li> <li>Allow both clustered and non-clustered cottages;</li> <li>Allowing clustered parking; and</li> <li>Base the required number of parking spaces on unit size, or number of bedrooms.</li> </ul>	<ul style="list-style-type: none"> <li>Combine with LU-2.23.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>LU-2.25 Support accessory dwelling units as strategies for providing a variety of housing types and as a strategy for providing affordable housing, with the following criteria:</p> <ul style="list-style-type: none"> <li>▪ Ensure owner occupancy of either the primary or secondary unit;</li> <li>▪ Allow both attached and detached accessory dwelling units and detached carriage units, at a maximum of one per single-family house, exempt from the maximum density requirement of the applicable zone;</li> <li>▪ Require an additional parking space for each accessory dwelling unit, with the ability to waive this requirement for extenuating circumstances; and</li> <li>▪ Allow a variety of entry locations and treatments while ensuring compatibility with existing neighborhoods.</li> </ul>	<ul style="list-style-type: none"> <li>▪ This should be simplified.</li> </ul>	<p>HO-4.4 Support accessory dwelling units to provide affordable housing options and alternatives for aging-in-place.</p>
<p>LU-2.26 Encourage Planned Development District development with higher residential densities provided this type of development incorporates innovative site design, conservation of natural land features, protection of critical area buffers, the use of low-impact development techniques, conservation of energy, and efficient use of open space.</p>	<ul style="list-style-type: none"> <li>▪ This should be simplified.</li> </ul>	<p>HO-4.5 Allow Planned Development District development with higher residential densities and site design flexibility in exchange for public benefits from innovative site design, conservation of natural land features, protection of critical area buffers, the use of low-impact development techniques, conservation of energy, and efficient use of open space.</p>
<p>[ new ]</p>	<ul style="list-style-type: none"> <li>▪ Add provisions for alternative ownership models to align with new state requirements.</li> </ul>	<p>HO-4.6 Encourage alternative ownership models such as cohousing to support housing access.</p>
<p><b>LU-3 Ensure that there are housing opportunities for people with special needs, such as seniors, people with disabilities, and the homeless.</b></p>	<ul style="list-style-type: none"> <li>▪ <b>This should be simplified, and considerations of emergency housing should be separated.</b></li> </ul>	<p><b>HO-5 Promote housing options for people with special needs.</b></p>
<p><b>(LU-3) Increase the supply of special needs housing.</b></p>	<ul style="list-style-type: none"> <li>▪ <b>This appears redundant and should be consolidated.</b></li> </ul>	<p><b>[REMOVED]</b></p>



Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>LU-3.1 Periodically review the City's land use and development regulations and remove any regulatory barriers to locating special needs housing and emergency and transitional housing throughout the City as required by the federal Fair Housing Act, to avoid overconcentration, and to ensure uniform distribution throughout all residential and mixed-use zones.</p>	<ul style="list-style-type: none"> <li>▪ This is appropriate under state requirements but should be condensed and simplified.</li> <li>▪ Note that this should focus on special needs housing and emergency/transitional housing should be discussed in a later goal.</li> </ul>	<p>HO-5.1 Allow special needs housing throughout the city and encourage a distribution of this housing to prevent overconcentration.</p>
<p>LU-3.2 Support the housing programs of social service organizations that provide opportunities for special needs populations.</p>	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	<p>HO-5.2 Support the development and management of housing for special needs populations operated by social service organizations.</p>
<p>LU-3.3 Support opportunities for older adults and people with disabilities to remain in the community as their housing needs change, by encouraging universal design in residential construction, or through the retrofitting of homes.</p>	<ul style="list-style-type: none"> <li>▪ Simplify this text.</li> </ul>	<p>HO-5.3 Support accessibility of housing by people with mobility challenges through universal design in residential construction and retrofitting of homes.</p>
<p>LU-3.4 Support the establishment and operation of emergency shelters.</p>	<ul style="list-style-type: none"> <li>▪ This has been removed in favor of a consolidated section with the housing targets.</li> </ul>	<p>[REMOVED]</p>
<p>LU-3.5 Support proposals for special needs housing that:</p>	<ul style="list-style-type: none"> <li>▪ Special needs housing cannot be restricted; this may be better to rewrite in a way that is flipped where the city is encouraged to support special needs housing through planning.</li> <li>▪ Consolidate and simplify.</li> </ul>	<p>HO-5.4 Support special needs housing by considering and including their needs in neighborhood and transportation planning.</p>
<ul style="list-style-type: none"> <li>▪ Offer a high level of access to shopping, services, and other facilities needed by the residents;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Consolidate and simplify.</li> </ul>	<p>[REMOVED]</p>
<ul style="list-style-type: none"> <li>▪ Demonstrate that it meets the transportation needs of residents;</li> </ul>	<ul style="list-style-type: none"> <li>▪ Consolidate and simplify.</li> </ul>	<p>[REMOVED]</p>
<ul style="list-style-type: none"> <li>▪ Helps to preserve low-income and special needs housing opportunities in a neighborhood where those opportunities are being lost; and</li> </ul>	<ul style="list-style-type: none"> <li>▪ This is an important element of policy that should be maintained.</li> </ul>	<p>HO-5.5 Help to preserve special needs housing options in places where they are being lost, especially in locations that are well served by shopping, services, and other facilities needed by the residents</p>
<ul style="list-style-type: none"> <li>▪ Disperse special needs housing throughout the residential areas of the City.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Change the wording to be more positive.</li> </ul>	<p>HO-5.6 Encourage the availability of special needs housing options throughout the city.</p>
<p>LU-3.6 Support development proposals by sponsors of assisted housing when applicants document efforts to establish and maintain positive relationships with neighbors.</p>	<ul style="list-style-type: none"> <li>▪ Reword this to ensure that this does not suggest that this is required more for special needs housing than other types.</li> </ul>	<p>HO-5.7 Encourage positive relationships between special needs housing operators and neighbors.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-3.7 Allow a broad range of housing to accommodate persons with special needs (such as neighborhood-scale congregate care, group or assisted living facilities, or transitional housing) in all residential areas and in certain appropriate non-residential areas.	<ul style="list-style-type: none"> <li>This is good but should be simplified.</li> </ul>	HO-5.8 Allow special needs housing in all residential areas and in certain non-residential areas as appropriate.
[NEW]	<ul style="list-style-type: none"> <li>Provide for fair treatment of housing as per state statute.</li> </ul>	HO-5.9 Prevent additional requirements on special needs housing from being imposed through development regulations.
LU-3.8 Continue allowing accessory dwelling units (ADUs) to assist people in remaining independent or in retaining a single-family lifestyle on a limited income, subject to specific regulatory standards.	<ul style="list-style-type: none"> <li>This is slightly redundant with LU-2.25 above, but should probably remain (and be edited).</li> </ul>	HO-5.10 Encourage accessory dwelling units (ADUs) as an option for supportive living and aging-in-place.
LU-3.9 Establish an administrative review process to enable detached ADUs in order to expand ADU capacity.	<ul style="list-style-type: none"> <li>This may not be useful in this section and may be redundant with other ADU policies earlier.</li> </ul>	[REMOVED]
LU-3.10: To support mobility for those with special needs, locate special needs housing in areas accessible to public transportation.	<ul style="list-style-type: none"> <li>This is something that the city cannot require under state law.</li> </ul>	[REMOVED]
LU-3.11: Utilize design standards to make special needs housing compatible with the character of the surrounding area.	<ul style="list-style-type: none"> <li>This is something that the city cannot require under state law.</li> </ul>	[REMOVED]
LU-3.12: Where appropriate, provide density bonuses and modified height restrictions to encourage the development of senior and disabled housing.	<ul style="list-style-type: none"> <li>Edit for clarity and brevity.</li> </ul>	HO-5.11 Provide density bonuses and modified height restrictions to encourage the development of special needs housing.
LU-3.13 Continue to promulgate the senior housing overlay district created under an earlier version of the Comprehensive Plan in order to encourage the concentration of senior housing proximate to shopping and services.	<ul style="list-style-type: none"> <li>Consolidate and simplify.</li> </ul>	HO-5.12 Encourage the concentration of senior housing proximate to shopping and services.
[NEW]	<ul style="list-style-type: none"> <li><b>Separate the policies for emergency housing and permanent supportive housing.</b></li> </ul>	HO-6 <b>Ensure that sufficient options for emergency housing needs are provided.</b>
[NEW]	<ul style="list-style-type: none"> <li>Add provisions to clarify the city's obligations under state law.</li> </ul>	HO-6.1 Maintain sufficient land capacity for the development of permanent supportive housing, transitional housing, and emergency housing.
[NEW]	<ul style="list-style-type: none"> <li>Add provisions to clarify the city's obligations under state law.</li> </ul>	HO-6.2 Allow permanent supportive housing and transitional housing in all residential areas and certain non-residential areas as appropriate.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-3.14 Support the provision of emergency shelters and ancillary services that address homelessness and domestic violence and intervene with those at risk.	<ul style="list-style-type: none"> <li>Separate these considerations – note the difference above.</li> </ul>	HO-6.3 Coordinate supporting services related to homelessness and domestic violence with emergency shelters.
LU-3.15 Maintain cooperative working relationships with appropriate local and regional agencies to develop and implement policies and programs relating to homelessness, domestic violence, and those at risk.	<ul style="list-style-type: none"> <li>Consolidate and simplify.</li> </ul>	HO-6.4 Partner with appropriate local and regional agencies to implement effective policies and programs to support people facing homelessness and domestic violence.
<b>LU-4 Maintain, protect, and enhance the quality of life of Lakewood's residents.</b>	<ul style="list-style-type: none"> <li><b>Edits for clarity.</b></li> </ul>	<b>HO-7 Support a high quality of life for Lakewood residents.</b>
<b>(LU-4) Preserve and protect the existing housing stock.</b>	<ul style="list-style-type: none"> <li><b>Remove, as this is not really a strong goal to support quality of life.</b></li> </ul>	<b>[REMOVED]</b>
LU-4.1 Preserve existing housing stock where residential uses conform to zoning requirements.	<ul style="list-style-type: none"> <li>This appears to be overly vague; preserving the existing housing stock appears to be a disincentive for infill/intensification.</li> </ul>	[REMOVED]
LU-4.2 High-density housing projects, with the exception of senior housing, will not be permitted in existing single-family residential neighborhoods. More moderate densities such as planned development districts and cottage housing will be considered.	<ul style="list-style-type: none"> <li>This policy is unclear, as the land use map should be defining where these uses would go.</li> </ul>	[REMOVED]
LU-4.3 Target code enforcement to correct health and safety violations.	<ul style="list-style-type: none"> <li>The reason for this policy is unclear. Codes are intended for health and safety violations and shouldn't require a Comprehensive Plan policy to enforce.</li> </ul>	[REMOVED]
LU-4.4 Continue Lakewood's active enforcement of codes aimed at improving property maintenance and building standards in residential neighborhoods to bolster neighborhood quality and the overall quality of life.	<ul style="list-style-type: none"> <li>Rewritten to highlight potential city actions.</li> </ul>	HO-7.1 Encourage improvements in property maintenance and building standards in residential neighborhoods to improve neighborhood quality of life.
LU-4.5 Continue targeted efforts such as the crime-free rental housing program and seek out a variety of funding sources for this and other such outreach programs.	<ul style="list-style-type: none"> <li>Edit for clarity.</li> </ul>	HO-7.2 Maintain targeted outreach efforts such as the crime-free rental housing program to improve neighborhood safety.
LU-4.6 Develop programs to provide financial assistance to low-income residents to assist them in maintaining their homes.	<ul style="list-style-type: none"> <li>Combined as part of HO-3.6.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-4.7 Where public actions such as targeted crime reduction programs result in the unexpected displacement of people from their housing, coordinate the availability of social services to assist them in finding other shelter.	<ul style="list-style-type: none"> <li>Combined under HO-1.5 above.</li> </ul>	[REMOVED]
LU-4.8 Subject to funding availability, conduct periodic surveys of housing conditions and fund programs, including housing rehabilitation, to ensure that older neighborhoods are not allowed to deteriorate.	<ul style="list-style-type: none"> <li>Edit for clarity and brevity.</li> </ul>	HO-7.3 Conduct periodic surveys of housing and neighborhood conditions in the community.
LU-4.9 Identify areas in the City for priority funding for rehabilitation by non-profit housing sponsors.	<ul style="list-style-type: none"> <li>This is unclear and should be removed.</li> </ul>	[REMOVED]
<b>(LU-4) Improve the quality of multifamily housing choices.</b>	<ul style="list-style-type: none"> <li><b>This objective should be consolidated with broader housing needs.</b></li> </ul>	[REMOVED]
LU-4.11 Develop regulations guiding appearance, scale, and location of new development to enable a range of dwelling types and amenities.	<ul style="list-style-type: none"> <li>This policy is vague and should be implemented through more specific policies.</li> </ul>	[REMOVED]
LU-4.12 Direct multi-family housing to locations that support residents by providing direct access to public transportation, employment, services, open space, and other supporting amenities.	<ul style="list-style-type: none"> <li>Given the realignment of multi-unit housing through HB 1110, this should be realigned.</li> </ul>	HO-7.4 Ensure multi-family housing supports residents with access to public transportation, employment, services, open space, and other supporting amenities.
LU-4.13 Encourage a high-quality pedestrian environment around multifamily housing sites through the provision of walkways, lighting, outdoor furniture, bicycle parking, open space, landscaping, and other amenities.	<ul style="list-style-type: none"> <li>Revise and combine with the following policy.</li> </ul>	HO-7.5 Encourage a high-quality pedestrian environment in neighborhoods, and require on-site amenities such as walkways, trails, and bike paths to be connected to adjacent public facilities.
LU-4.14 Require that on-site amenities such as walkways, trails, or bike paths be connected to adjacent public facilities.	<ul style="list-style-type: none"> <li>Combine with previous policy.</li> </ul>	[REMOVED]
<b>(LU-4) Develop and maintain livable neighborhoods with a desirable quality of life.</b>	<ul style="list-style-type: none"> <li><b>This appears redundant.</b></li> </ul>	[REMOVED]
LU-4.15 Promote high quality residential living environments in all types of neighborhoods.	<ul style="list-style-type: none"> <li>This policy is overly vague.</li> </ul>	[REMOVED]
LU-4.16 Promote community identity, pride, and involvement in neighborhoods.	<ul style="list-style-type: none"> <li>Consolidate with the following policy.</li> </ul>	HO-7.6 Promote community identity, pride, and involvement in neighborhoods through the city's subarea planning, neighborhood programs, and other activities.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-4.17 Continue to support the City's neighborhood program to encourage neighborhood involvement, address local conditions, and provide neighborhood enhancements.	<ul style="list-style-type: none"> <li>Included in the previous policy.</li> </ul>	[REMOVED]
LU-4.18 Protect the character of existing single-family neighborhoods by promoting high quality of development, including through planned development districts (PDDs.)	<ul style="list-style-type: none"> <li>The purpose of this policy and the rationale for applying it only to single-family neighborhoods are unclear.</li> </ul>	[REMOVED]
LU-4.19 Use design standards to encourage housing types that protect privacy, provide landscaping or other buffering features between structures of different scale, and/or promote investments that increase property values where housing that is more dense is allowed in existing single-family neighborhoods.	<ul style="list-style-type: none"> <li>This should be applied more generally, and the rationale regarding property value should be removed.</li> </ul>	HO-7.7 Use design standards to protect privacy, address structures of different scales, and promote investments in high-quality urban environments.
LU-4.20 Development standards for flats and triplex developments should encourage design at the scale of single-family developments by limiting building length and heights.	<ul style="list-style-type: none"> <li>Combined with previous policy above..</li> </ul>	[REMOVED]
LU-4.21 Relate the size of structures to the size of lots in order to create development that fits into a neighborhood.	<ul style="list-style-type: none"> <li>The rationale for this as a policy is unclear and likely unnecessary.</li> </ul>	[REMOVED]
LU-4.22 New single-family subdivisions should provide pedestrian and vehicular connections to adjoining residential development unless a determination is made that a physical features of the site, such as a ravine, wetland or pre-existing developed property prevents practical implementation of this provision.	<ul style="list-style-type: none"> <li>This should be made more general.</li> </ul>	HO-7.8 Require new development to provide motorized and non-motorized transportation connections to surrounding neighborhoods unless the physical features of the site prevent feasible connections
<b>(LU-4) Recognize the unique requirements of residences located on busy arterials and other heavily used corridors.</b>	<ul style="list-style-type: none"> <li><b>This may not require a separate goal.</b></li> </ul>	[REMOVED]
LU-4.23 Allow greater flexibility with regard to development standards for residential properties located on busy road corridors.	<ul style="list-style-type: none"> <li>Consolidate and summarize.</li> </ul>	HO-7.9 Allow flexibility with development, design, and landscaping standards for residential properties located on major arterials to mitigate impacts from adjacent traffic.
LU-4.24 Examine where transportation design tools, attractive fences or walls, and landscaping may be used to buffer homes from adjacent traffic.	<ul style="list-style-type: none"> <li>Consolidated with previous policy.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>(LU-4) Support those who wish to work from home while preserving the residential character of the residentially designated areas.</b>	▪ This may not require a full goal.	[REMOVED]
LU-4.25 Continue allowing home-based businesses that do not conflict with typical neighborhood functions.	▪ This can be edited for clarity.	HO-7.10 Allow home-based businesses in residential neighborhoods that do not conflict with residential uses.
LU-4.26 Provide opportunities for "invisible" home businesses and support appropriate independent business and trades people and service providers to use their homes as a business base.	▪ This policy appears redundant.	[REMOVED]
LU-4.27 Incorporate emergent business trends and state licensure requirements into use standards for home-based businesses.	▪ It is unclear why this would be included in the Plan.	[REMOVED]
<b>(LU-4) Relate development of public amenities such as parks, recreation centers, libraries, and other services to residential neighborhoods.</b>	▪ This should be combined with other capital facilities and amenities policies.	[REMOVED]
LU-4.28 Coordinate capital improvements with targeted growth and expected redevelopment.	▪ This is very vague.	[REMOVED]
<b>(LU-4) Increase the percentage of homeownership in the City.</b>	▪ This has been combined with HO-2 above.	[REMOVED]
LU-4.29 Allow zero lot line developments and flats with common wall construction on separately platted lots in designations that permit attached unit types. Encourage condominium and fee simple townhouse developments with ground access and small yards. Encourage the development of small-detached houses on platted lots or condominium developments where lot areas with yards are established without platting.	▪ This can be broadened, as it appears highly prescriptive. ▪ The intent is combined with the new HO-2.7 above.	[REMOVED]
LU-4.30 Support first time homebuyer programs such as those available through the Washington State Housing Finance Commission and other similar private or not-for-profit programs with similar or better program elements and rates.	▪ Combined with the new HO-2.1.	[REMOVED]
<b>LU-5 Recognize relocation issues brought about by demolition or conversion to another use.</b>	▪ Refine this goal to better reflect the intent of the policies.	<b>HO-8 Mitigate housing displacement and the loss of affordable housing units from development in the city.</b>



Original Goal/Policy		Rationale for Change	Final Goal/Policy
LU-5.1	On an annual basis, provide a report to policy makers on the loss of affordable housing due to demolition or conversion.	<ul style="list-style-type: none"> <li>Revisions for clarity.</li> </ul>	HO-8.1 Provide a regular report to the City Council on the loss of affordable housing due to demolition or conversion.
LU-5.2	Identify affordable housing resources that may be lost due to area-wide redevelopment or deteriorating housing conditions.	<ul style="list-style-type: none"> <li>Revisions for clarity.</li> </ul>	HO-8.2 Identify and address affordable market-rate and subsidized housing resources that may be at risk due to redevelopment pressures or deteriorating housing conditions.
LU-5.3	Enforce the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended by the Uniform Relocation Act Amendments of 1987 and any subsequent amendments, to provide financial and relocation assistance for people displaced as a result of construction and development projects using federal funds. Lakewood shall also enforce Section 104(d) of the Housing and Community Development Act of 1974, as amended, requiring the replacement of low- and moderate-income housing units that are demolished or converted to another use in connection with a CDBG project.	<ul style="list-style-type: none"> <li>This is very long and needs to be revised for clarity. Note that the policy should also be separated.</li> </ul>	HO-8.3 Require financial and relocation assistance for people displaced as a result of construction and development projects using federal funds.
		<ul style="list-style-type: none"> <li>Separated from above.</li> </ul>	HO-8.4 Require replacement of low- and moderate-income housing units that are demolished or converted to another use in connection with projects supported by CDBG funds.
LU-5.4	Consider the use of CDBG funds for relocation payments and other relocation assistance to persons displaced as a result of demolition, conversion to another use, or public actions such as targeted crime reduction programs.	<ul style="list-style-type: none"> <li>Clarify and condense.</li> </ul>	HO-8.5 Apply CDBG funds as applicable for relocation payments and other relocation assistance.
<b>PS-18</b>	<b>Provide decent affordable housing.</b>	<ul style="list-style-type: none"> <li><b>This has been included under previous goals.</b></li> </ul>	<b>[REMOVED]</b>
PS-18.1	Preserve existing owner-occupied housing stock.	<ul style="list-style-type: none"> <li>This has been covered previously.</li> </ul>	[REMOVED]
	<ul style="list-style-type: none"> <li>Provide a range of home repair assistance to qualified lower-income homeowners.</li> </ul>	<ul style="list-style-type: none"> <li>This has been covered previously.</li> </ul>	[REMOVED]
PS-18.2	Expand/sustain affordable homeownership opportunities.	<ul style="list-style-type: none"> <li>This has been covered previously.</li> </ul>	[REMOVED]
	<ul style="list-style-type: none"> <li>Reduce the financial burden of new homeowners through assistance with down payment for home purchases.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<ul style="list-style-type: none"> <li>Provide housing counseling to homeowners and potential homebuyers.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Collaborate with partners and housing providers toward the goal of expanding homeownership opportunities.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<p>PS-18.3 Provide assistance to preserve the quality and habitability of affordable rental housing.</p>	<ul style="list-style-type: none"> <li>This has been covered previously.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Provide incentives to improve properties.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Collaborate with partners and housing providers to develop and implement strategies to preserve affordable rental housing.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Support the crime-free housing activities.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Support fair housing activities such as landlord/tenant counseling.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<p>PS-18.4 Provide assistance for a continuum of housing for persons with special needs, homeless persons and people at risk of homelessness.</p>	<ul style="list-style-type: none"> <li>This is largely covered in previous policies.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Develop partnerships with housing providers and human services agencies providing emergency shelters, permanent supportive, and repaid re-housing assistance.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Support the efforts of the Continuum of Care and its current Plan to End homelessness in Pierce County.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<p>PS-18.5 Reduce barriers to affordable housing by supporting fair housing activities such as outreach and education.</p>	<ul style="list-style-type: none"> <li>This has been covered previously.</li> </ul>	[REMOVED]
<ul style="list-style-type: none"> <li>Support fair housing activities such as outreach and education.</li> </ul>	<ul style="list-style-type: none"> <li>These are implementation steps that should be defined elsewhere.</li> </ul>	[REMOVED]
<p>PS-18.6 Develop new affordable housing options as new funding opportunities become available.</p>	<ul style="list-style-type: none"> <li>This is overly broad and can be covered elsewhere.</li> </ul>	[REMOVED]

# 7 Military Compatibility

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-34 Protect the long-term viability of JBLM and assure flight safety in the vicinity of McChord Field while protecting the public's health and safety.	<ul style="list-style-type: none"> <li>Renumber to reflect new location in chapter. Simplify policy language and relocate action items to regulations or an Appendix.</li> </ul>	<b>MC-1 Protect the mission and long-term viability of Joint Base Lewis-McChord (JBLM) and assure flight safety in the vicinity of North McChord Field while protecting the public's health and safety.</b>
LU-34.1 <b>Air Corridors Established.</b> (Figure 3.14). The two air corridor areas (Air Corridor 1 and 2) extend northward from the McChord Field runway and are subject to noise and safety impacts of military flight operations. Figure 3.14 shows the Air Corridor boundaries. The potential risk to life and property from hazards that may be associated with military aircraft operations, as distinguished from general/commercial aviation corridors necessitates control of the intensity, type, and design of land uses within the designation.  <b>(note: additional material removed)</b>	<ul style="list-style-type: none"> <li>Relocate action or regulatory items to and Appendix or development regulations.</li> </ul>	MC-1.1 Establish city land use zones based on FAA and DoD Safety Guidance and as reflected in JBLM Air Installation Compatible Use Zone Study and JBLM Joint Land Use Study recommendations.
LU-34.2 <b>Compatible Land Use Policies.</b> Regulate land uses and/or activities that could adversely impact present and/or future base operations and protect JBLM and McChord Field from further incompatible encroachment. Regulate land use within the AC1 and AC2 zones to protect public health and safety, ensure a compatible mix of land uses, and support ongoing McChord Field operations, consistent with the GMA, CPPs, JBLM Joint Land Use Study (JLUS) recommendations.  <b>(note: additional material removed)</b>	<ul style="list-style-type: none"> <li>Relocate action or regulatory items to and Appendix or development regulations.</li> </ul>	MC-1.2 Regulate land uses and activities that could adversely impact present and/or future installation operations and protect JBLM and North McChord Field from further incompatible encroachment.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Policy separated from above.</li> </ul>	MC-1.3 Regulate city land use to protect public health and safety and ensure a compatible mix of land uses consistent with the Growth Management Act, Multicounty Planning Policies, Countywide Planning Policies, JBLM Joint Land Use Study recommendations, and JBLM Growth Coordination Plan recommendations.
LU-34.3 Military Coordination, Notification and Consultation. <b>(note: additional material removed)</b>	<ul style="list-style-type: none"> <li>Retitle for clarity and consistency in policy structure.</li> </ul>	MC-1.4 Coordinate land use planning activities with Joint Base Lewis-McChord and provide for consultation and notification on actions that may impact JBLM facilities.
<b>LU-35 Continue to support and fund the South Sound Military &amp; Communities Partnership (SSMCP).</b>		<b>MC-2 Continue to support and fund the South Sound Military &amp; Communities Partnership.</b>
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-2.1 Serve as fiscal agent for the South Sound Military & Communities Partnership.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-2.2 Host staff and provide administrative support for the South Sound Military & Communities Partnership.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-2.3 Participate at the Executive Leadership Team level of the South Sound Military & Communities Partnership.
<b>LU-36 Coordinate the protection of JBLM from incompatible local, state and federal level issues and actions with the South Sound Military &amp; Communities Partnership (SSMCP.)</b>	<ul style="list-style-type: none"> <li><b>Simplify and revise to address intent.</b></li> </ul>	<b>MC-3 Coordinate the protection of JBLM from incompatible uses and activities in cooperation the South Sound Military &amp; Communities Partnership.</b>
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.1 Assess local transportation impacts related to JBLM's proximity to Lakewood.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.2 Facilitate the sharing of information related to JBLM activities with both internal and external stakeholders.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.3 Enhance communication between JBLM and neighboring jurisdictions through improved notification and planning processes.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.4 Integrate specific land use compatibility requirements related to JBLM into local zoning codes and ordinances.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.5 Incorporate considerations of aircraft safety and military operational noise into local planning and permitting procedures.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.6 Promote sound attenuation building standards in new construction, especially in areas that may be impacted by military operational noise.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.7 Develop a collaborative process with JBLM and neighboring communities to address rental housing needs for servicemembers.
[NEW]	<ul style="list-style-type: none"> <li>New policy added to supplement this goal.</li> </ul>	MC-3.8 Leverage the city's resources for state and federal advocacy to support South Sound Military & Communities Partnership priorities aligned with Lakewood's objectives.

# 8 Natural Environment

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>LU-55</b>	<b>Provide appropriate protections for recognized environmental critical areas.</b>	<ul style="list-style-type: none"> <li>Revise to provide general guidance for the section.</li> </ul>	<b>NE-1</b>	<b>Protect environmentally critical areas and other environmental resources.</b>
[NEW]		<ul style="list-style-type: none"> <li>Rewrite the previous LU-56.1 and include here.</li> </ul>	NE-1.1	Ensure all planning efforts incorporate environmental considerations and adhere to state and federal environmental laws.
[NEW]		<ul style="list-style-type: none"> <li>Provide a clear policy basis for the critical areas ordinance.</li> </ul>	NE-1.2	Provide a regulatory framework for the protection of critical areas in the city based on best available science.
LU-55.1	Develop a natural resources program adequate to provide education, project review, code interpretation, and enforcement capabilities.	<ul style="list-style-type: none"> <li>Revise to focus the intent of the policy.</li> </ul>	NE-1.3	Develop programs to provide education and resources to comply with requirements for critical areas protection.
<b>LU-56</b>	<b>Provide for the protection, conservation, and enhancement of habitat areas for fish and wildlife.</b>		<b>NE-2</b>	<b>Provide for the protection, conservation, and enhancement of habitat areas for fish and wildlife.</b>
LU-56.1	Integrate environmental considerations into all planning efforts and comply with all state and federally mandated environmental legislation.	<ul style="list-style-type: none"> <li>Moved to NE-1 above.</li> </ul>	[REMOVED]	
LU-56.2	Identify endangered or threatened species occurring within the City and preserve their habitat.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	NE-2.1	Identify and protect habitats for endangered and threatened species found within the city.
LU-56.3	Provide for identification and protection of wildlife habitats with an emphasis on protection of wildlife corridors and linking remaining habitat pockets within the City.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	NE-2.2	Protect wildlife habitats, with a focus on the connectivity of wildlife corridors and remaining habitat areas.
LU-56.4	Promote the restoration of riparian (streamside) areas to preserve and enhance their natural function of providing fish and wildlife habitat and protecting water quality.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	NE-2.3	Promote the restoration of riparian areas to preserve their natural function in supporting diverse habitats and maintaining water quality.
LU-56.5	Preserve and protect native vegetation in riparian habitats and integrate suitable native vegetation in residential and commercial landscapes.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	NE-2.4	Protect native vegetation in riparian areas and encourage its integration into urban landscapes.



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LU-56.6 Identify specific programs of stream restoration for Chambers, Clover, and Flett creeks.	<ul style="list-style-type: none"> <li>Consolidated with LU-56.7 below.</li> </ul>	NE-2.5 Coordinate stream restoration programs for impacted local creeks, including Chambers, Clover, Flett, and Ponce de Leon Creeks.
LU-56.7 Identify the potential for restoring additional stretches of Ponce de Leon Creek.	<ul style="list-style-type: none"> <li>Incorporated above.</li> </ul>	[REMOVED]
LU-56.8 Provide fish and wildlife habitat of sufficient diversity and abundance to sustain existing indigenous fish and wildlife populations.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	NE-2.6 Support a variety of habitats that are sufficient to support sustainable populations of local fish and wildlife.
<b>LU-57 Preserve the natural character and ecology of shorelines while balancing public access and recreational opportunities.</b>	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	<b>NE-3 Maintain the natural qualities of shorelines while ensuring public access and recreational use.</b>
LU-57.1 Preserve the ecology and wildlife habitat characteristics of shorelines.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	NE-3.1 Maintain the ecological integrity of wildlife habitats along the shorelines.
LU-57.2 Expand public ownership of shorelines and opportunities for access to lakes.	<ul style="list-style-type: none"> <li>Revise to focus on public access and not ownership as the primary intent.</li> </ul>	NE-3.2 Enhance safe public access for the use of shoreline areas and lakes.
LU-57.3 Post all lake public access points to help ensure safe use of the lakes during reasonable hours.	<ul style="list-style-type: none"> <li>Redundant with previous policy, as this is more operational.</li> </ul>	[REMOVED]
LU-57.4 Participate in Watershed Resource Inventory Area (WRIA)-12 watershed cooperative planning efforts in compliance with the State's non-point source pollution prevention program (WAC 173- 512).	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	NE-3.3 Collaborate in regional watershed management initiatives to adhere to state guidelines for non-point source pollution prevention, especially within Watershed Resource Inventory Area 12.
<b>LU-58 Preserve the natural flood storage function of floodplains.</b>	<ul style="list-style-type: none"> <li>Minor edit to ensure that capacity could be expanded as well.</li> </ul>	<b>NE-4 Maintain and enhance the natural flood storage function of floodplains.</b>
LU-58.1 Promote non-structural methods in planning for flood prevention and damage reduction.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	NE-4.1 Promote the use of non-structural strategies in flood prevention and damage mitigation planning.
LU-58.2 Protect life and property by restricting development within the 100-year floodplain.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	NE-4.2 Restrict development within the 100-year floodplain to maintain public safety and minimize property damage.
LU-58.3 Minimize fill of 100-year floodplains and require the retention of flood water storage capacity.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	NE-4.3 Ensure the retention of floodwater storage capacity and minimize fill of 100-year floodplains.
LU-58.4 Acquire vacant lands and/or underdeveloped properties within the Flett Creek Basin.	<ul style="list-style-type: none"> <li>Edited for brevity.</li> </ul>	NE-4.4 Acquire vacant and underdeveloped land within the Flett Creek Basin..
<b>LU-59 Preserve and protect wetlands in the City.</b>		<b>NE-5 Preserve and protect wetlands in the city.</b>

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LU-59.1 Regulate development to protect the functions and values associated with wetland areas.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-5.1 Regulate development to protect the ecological functions and values of wetlands.
LU-59.2 Avoid impacts and mitigate wetland impacts consistent with federal and state laws.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-5.2 Avoid or, if necessary, mitigate impacts on wetlands in compliance with federal and state laws.
LU-59.3 Provide for long-term protection and “no net loss” of wetlands by function and values.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-5.3 Ensure long-term protection and achieve “no net loss” of wetland function and value.
LU-59.4 Consider wetlands banking as a method to mitigate the potential loss of wetland functions.	<ul style="list-style-type: none"> <li>▪ Edited to highlight that this is a program that should be implemented, not considered.</li> </ul>	NE-5.4 Coordinate a wetlands banking program to mitigate the potential loss of wetland functions.
<b>LU-60 InSTITUTE AN URBAN FORESTRY PROGRAM TO PRESERVE SIGNIFICANT TREES, PROMOTE HEALTHY AND SAFE TREES, AND EXPAND TREE COVERAGE THROUGHOUT THE CITY.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	<b>NE-6 MAINTAIN AN URBAN FORESTRY PROGRAM TO PRESERVE SIGNIFICANT TREES, PROMOTE TREE HEALTH, AND INCREASE TREE COVERAGE CITYWIDE.</b>
LU-60.1 Establish an urban forestry program for the City.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-6.1 Maintain a comprehensive urban forestry program.
LU-60.2 Promote planting and maintenance of street trees.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-6.2 Encourage the planting and regular maintenance of street trees to enhance urban greenery.
LU-60.3 Provide for the retention of significant tree stands and the restoration of tree stands within the City.	<ul style="list-style-type: none"> <li>▪ Edited for clarity, and to allow for the retention of individual trees.</li> </ul>	NE-6.3 Provide for the retention of significant trees and tree stands and the restoration of tree stands within the city.
[NEW]	<ul style="list-style-type: none"> <li>▪ <del>Provide additional policies to align with new tree code.</del></li> </ul>	NE-6.4 <del>Provide additional requirements for Oregon white oak preservation.</del>
[NEW]	<ul style="list-style-type: none"> <li>▪ <del>Provide additional policies to align with new tree code.</del></li> </ul>	NE-6.5 <del>Consider priority white oak woodlands and trees located within a critical area or buffer to be subject to the critical areas ordinance.</del>
[NEW]	<ul style="list-style-type: none"> <li>▪ Provide additional policies to align with new tree code.</li> </ul>	NE-6.6 Maintain a city tree fund to preserve wooded areas, restore and enhance native trees, and provide for education and research.
LU-60.4 Work towards a citywide goal of 40% tree canopy cover by the year 2050. Consider opportunities to increase canopy and environmental equity when evaluating tree canopy distribution.	<ul style="list-style-type: none"> <li>▪ Split the policy.</li> </ul>	NE-6.7 Work towards a citywide goal of 40% tree canopy cover by the year 2050.
[ new ]	<ul style="list-style-type: none"> <li>▪ Split the policy in LU-60.4.</li> </ul>	NE-6.8 Consider opportunities to increase canopy and environmental equity when evaluating tree canopy distribution.
<b>LU-61 Enhance and protect water quality.</b>		<b>NE-7 Enhance and protect water quality.</b>

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
LU-61.1	Preserve the amenity and ecological functions of water features through planning and innovative land development.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-7.1	Preserve the aesthetic and ecological functions of water features through planning and innovative land development.
LU-61.2	Manage water resources for the multiple uses of fish and wildlife habitat, recreation, flood management, water supply, and open space.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-7.2	Manage water resources to support diverse uses including habitat, recreation, flood control, water supply, and open spaces.
LU-61.3	Maintain and protect surface water quality as defined by federal and state standards and rehabilitate degraded surface water.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-7.3	Maintain and improve surface water quality to restore degraded waters and meet federal and state water quality standards.
LU-61.4	Monitor quality of water draining into all public water bodies. Coordinate with the data needs of lake management (see Policy NE-8.7).	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> <li>▪ Combine with provision from LU-61.9.</li> </ul>	NE-7.4	Maintain surface water and groundwater monitoring programs to inform local management..
LU-61.7	Prepare lake management studies for Lake Louise, Gravelly Lake, Waughop Lake and Lake Steilacoom to determine pollutant sources.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-7.5	Evaluate potential pollutant sources for major water bodies such as Lake Louise, Gravelly Lake, Waughop Lake, and Lake Steilacoom to support pollution reduction strategies.
LU-61.5	Extend sanitary sewers to unsewered areas of Lakewood with priority for those areas bordering or hydrologically related to American Lake.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-7.6	Prioritize the extension of sewers to reduce surface water quality impacts, especially for areas that may impact American Lake.
LU-61.6	Support initiatives to reduce impervious surfaces, prevent surface erosion, decrease the use of fertilizer and pesticides, and prevent contamination of stormwater runoff.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-7.7	Promote citywide water quality initiatives to reduce impervious surfaces, prevent surface erosion, minimize fertilizer and pesticide use, and otherwise prevent stormwater contamination.
LU-61.8	Work with local water districts and Pierce County to establish development review procedures to notify the entities of all development applications within wellhead protection areas that require hydrologic assessment or SEPA response.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-7.8	Coordinate with local water districts and Pierce County to ensure projects in wellhead protection areas undergo necessary hydrologic assessments or SEPA responses.

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<p>LU-61.9 Work cooperatively with local water districts to maximize protection of wellheads and aquifers. Support ongoing efforts to:</p> <ul style="list-style-type: none"> <li>▪ Educate citizens and employers about Lakewood’s dependency on groundwater.</li> <li>▪ Establish and maintain public awareness signs delineating the boundaries and key access points to the Lakewood Water District’s wellhead protection areas.</li> <li>▪ Maintain groundwater monitoring programs.</li> <li>▪ Implement a well decommissioning program for all unused wells.</li> <li>▪ Coordinate planning and review of drainage, detention, and treatment programs within wellhead protection areas.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Shortened, with some policies separated for clarity.</li> <li>▪ Combined with previous LU-61.11.</li> </ul>	<p>NE-7.9 Collaborate with local water districts, adjoining jurisdictions, and military installations to enhance the protection of wellheads and aquifers through education, resources, and planning.</p>
	<ul style="list-style-type: none"> <li>▪ Split from previous policy.</li> </ul>	<p>NE-7.10 Maintain a well decommissioning program for all unused wells.</p>
	<ul style="list-style-type: none"> <li>▪ Split from previous policy.</li> </ul>	<p>NE-7.11 Coordinate planning and review of drainage, detention, and treatment programs within wellhead protection areas.</p>
<p>LU-61.10 Modify development regulations to limit impervious surfaces in aquifer recharge areas.</p>	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	<p>NE-7.12 Restrict impervious surfaces in aquifer recharge areas.</p>
<p>LU-61.11 Cooperate with local water districts, adjoining jurisdictions, and military installations to:</p> <ul style="list-style-type: none"> <li>▪ Develop and implement a common system to reflect land use risks across all wellhead protection areas.</li> <li>▪ Establish and maintain an integrated regional wellhead protection data mapping, analysis, and updating system.</li> <li>▪ Enhance stormwater drainage, detention, and treatment programs.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Full policy removed as redundant with NE-7.9.</li> <li>▪ Retain policy on mapping system.</li> </ul>	<p>NE-7.13 Cooperate with other jurisdictions to maintain an integrated regional system for wellhead protection data collection, mapping, and analysis.</p>
<p><b>LU-62 Protect the natural topographic, geologic, and hydrological function and features within the City.</b></p>	<ul style="list-style-type: none"> <li>▪ <b>Edit to include a consideration of geologically hazardous areas.</b></li> </ul>	<p><b>NE-8 Protect natural topographic, geologic, and hydrological features within the city while addressing geological hazards.</b></p>
<p>LU-62.1 Protect life and property from seismic hazards.</p>	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> <li>▪ Reworded on suggestion from DNR.</li> </ul>	<p>NE-8.1 Reduce risks to public safety and property from landslides, slope failures, erosion, seismic events, volcanic eruptions, or flooding hazards.</p>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-62.2 Minimize cut and fill modification of topography or hydrological features and functions.	▪ Edited for clarity.	NE-8.2 Limit modifications to topography and hydrological features and functions from cut and fill practices..
LU-62.3 Allow clearing, grading, or other land alteration of property only for approved development proposals.	▪ Edited for clarity.	NE-8.3 Restrict land modifications such as clearing, grading, or other alterations to approved development projects only.
LU-62.4 Minimize land erosion through best management practices.	▪ Edited for clarity.	NE-8.4 Employ best management practices to minimize land erosion.
LU-62.5 Prohibit development of steep or unstable slopes.	▪ Edited for clarity.	NE-8.5 Prohibit development of steep or unstable slopes to prevent potential hazards.
<b>LU-63 Meet federal, state, regional, and local air quality standards through coordinated, long-term strategies that address the many contributors to air pollution.</b>	▪ <b>Edited for clarity and brevity.</b>	<b>NE-9 Meet applicable air quality standards with coordinated, long-term strategies that address different types of air pollution.</b>
LU-63.1 Promote land use and transportation practices and strategies that reduce the levels of air- polluting emissions.	▪ Edited for clarity and brevity.	NE-9.1 Reduce air pollutant emissions through strategies in land use and transportation management.
LU-63.2 Ensure the retention and planting of trees and other vegetation to promote air quality.	▪ Edited for clarity.	NE-9.2 Maintain and increase urban greenery, including trees and other vegetation, to improve air quality.
LU-63.3 Limit wood burning generated air pollution through restrictions of wood burning fireplaces in new and replacement construction.	▪ Edited for clarity and brevity.	NE-9.3 Reduce air pollution from wood burning by restricting wood-burning fireplaces in new construction.
<b>LU-64 Control the level of noise pollution in a manner that promotes the use, value, and enjoyment of property; sleep and repose; and a quality urban environment.</b>	▪ <b>Edited for clarity and brevity.</b>	<b>NE-10 Control noise pollution to protect neighborhoods from disruptive noise levels.</b>
LU-64.1 Protect residential neighborhoods from exposure to noise levels that interfere with sleep and repose through development regulations, noise attenuation programs, and code enforcement.	▪ Edited for clarity and brevity.	NE-10.1 Provide development regulations and noise control measures to protect residential areas from disruptive noise levels.
LU -64.2 Work with JBLM to minimize noise exposure at McChord Field and development of noise attenuation programs within the air corridors.	▪ Edited for clarity and brevity.	NE-10.2 Collaborate with JBLM to reduce noise near McChord Field and develop noise attenuation strategies along air corridors.
LU-64.3 Require new development along arterial streets, I-5, SR 512, and within the air corridors to include noise attenuation design and materials where necessary to minimize noise impacts from roadways and aircraft.	▪ Edited for clarity and brevity.	NE-10.3 Mandate noise-reducing design and materials in new developments along major roads and within air corridors to lessen noise.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-64.4 Work with the Washington State Department of Transportation (WSDOT) to mitigate freeway and highway noise, while addressing aesthetic concerns.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-10.4 Work with the Washington State Department of Transportation to mitigate the noise and aesthetic impacts of highways.
LU-64.5 Work with the Washington State Department of Transportation (WSDOT) Rail Division, Sound Transit, Tacoma Rail, and/or Burlington Northern and Santa Fe to mitigate railroad noise, while addressing aesthetic concerns.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-10.5 Work with the Washington State Department of Transportation Rail Division, Sound Transit, Tacoma Rail, and private rail companies to mitigate railroad noise and aesthetic impacts.
LU-64.6 Integrate natural vegetation and design considerations in noise mitigation and attenuation projects to promote aesthetic concerns.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-10.6 Use natural vegetation and thoughtful design in noise mitigation efforts to provide visually appealing projects.
<b>LU-65 Minimize the danger of use, storage, and transportation of hazardous and toxic materials within the City.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	<b>NE-11 Reduce the risks associated with hazardous and toxic materials in the city.</b>
LU-65.2 Protect life, property, and the environment from exposure to hazardous and toxic materials.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	NE-11.1 Provide for the protection of life, property, and the environment by minimizing exposure to hazardous and toxic materials.
LU-65.1 Provide for the declaration and analysis of the use, storage, and transportation of hazardous and toxic materials within the City. Identify specific routes for the transportation of hazardous materials in the City.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	NE-11.2 Ensure the safe transportation, use, and storage of hazardous and toxic materials through declaration of these materials and identification of specific routes for transport in the city.
LU-65.3 Enforce international building and fire codes, and work with businesses to make sure that proper inventories of hazardous materials are provided.	<ul style="list-style-type: none"> <li>▪ Edited from clarity and brevity.</li> </ul>	NE-11.3 Enforce international building and fire codes related to hazardous and toxic materials management.
[NEW]	<ul style="list-style-type: none"> <li>▪ Split final component of policy out separately.</li> </ul>	NE-11.4 Ensure that proper inventories of hazardous materials are provided by businesses.



# 9 Parks, Recreation, and Open Space

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>LU-41</b>	<b>Protect, preserve, enhance and expand parks and open space facilities.</b>	▪ Revisions for brevity/clarity.	<b>PR-1</b>	<b>Protect and enhance parks and open space facilities.</b>
LU-41.1	Protect irreplaceable natural, cultural and historical assets.	▪ Revisions for brevity/clarity.	PR-1.1	Protect our natural, cultural, and historical resources in parks and open space.
LU-41.2	Preserve existing parks and facilities by using preventative maintenance and innovative and sustainable practices.	▪ Revisions for brevity/clarity.	PR-1.2	Preserve existing parks and facilities by using innovative and sustainable management techniques.
LU-41.3	Enhance parks by providing a variety of amenities that meet the diverse needs of a growing and changing population.	▪ Revisions for brevity/clarity.	PR-1.3	Enhance parks with diverse amenities that serve our evolving community needs.
LU-41.4	Expand park systems by strategically acquiring land and proactively planning for future system needs.	▪ Revisions for brevity/clarity.	PR-1.4	Expand park systems by acquiring new land and planning improvements that consider future demand.
<b>LU-42</b>	<b>Provide equitable and community-driven services that are accessible for all.</b>	▪ Revisions for brevity/clarity.	<b>PR-2</b>	<b>Ensure parks and services are accessible and meet the needs of the community as a whole.</b>
LU-42.1	Provide a wide variety of park amenities and programs to meet the various needs of the community.	▪ Revisions for brevity/clarity.	PR-2.1	Offer diverse park amenities and programs for all community segments.
LU-42.2	Continue to remove physical, financial, and social barriers that prevent or deter park and recreation use.	▪ Revisions for brevity/clarity.	PR-2.2	Eliminate the physical, financial, and social barriers to park and recreation access.
LU-42.3	Celebrate and support the cultural diversity of the community.	▪ Revisions for clarity.	PR-2.3	Celebrate and support the cultural diversity of the community through parks and recreation planning.
LU-42.4	Provide a variety of opportunities to involve residents, partners, and stakeholder groups in park and recreation planning, design, decision making, and program implementation.	▪ Edits for brevity.	PR-2.4	Engage residents, partners, and stakeholder groups in park and recreation planning, design, decision-making, and program implementation.
LU-42.5	Develop policies to support active and healthy communities.	▪ Edits for clarity.	PR-2.5	Develop plans and policies for active, healthy community lifestyles.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p><b>LU-43 Increase the connectivity of the community.</b> Connectivity means the state or extent of being connected or interconnected. For the plan, this means the ability to access parks and park amenities, and build and leverage social connections, for people to feel comfortable and welcome in the City's public spaces, and for people to have opportunities for civic engagement.</p>	<ul style="list-style-type: none"> <li>▪ Edits for brevity and clarity.</li> <li>▪ Combine with provisions of LU-49.</li> </ul>	<p><b>PR-3 Make welcoming spaces that foster social interactions and highlight local art and history.</b></p>
<p>LU-43.3 Create a sense of place at parks and in public spaces by incorporating art, culture, and history.</p>	<ul style="list-style-type: none"> <li>▪ Edits for brevity and clarity.</li> </ul>	<p>PR-3.1 Enhance parks and public spaces with art and cultural and historical elements to create unique spaces.</p>
<p>LU-49.3 Install interpretive signs with interactive features in parks and public facilities to show and tell the history of the area.</p>	<ul style="list-style-type: none"> <li>▪ This appears to be operational and should be edited.</li> </ul>	<p>PR-3.2 Maintain wayfinding in parks and public facilities that include interpretive signage and historical information.</p>
<p>[NEW]</p>	<ul style="list-style-type: none"> <li>▪ Combines multiple provisions from LU-49.</li> </ul>	<p>PR-3.3 Showcase diverse artwork and performances in public spaces that reflect neighborhood identities and highlight local talent.</p>
<p>LU-43.1 Develop and maintain a system of connected non-motorized trails that encourage physical activity and create safe routes to parks and public spaces.</p>	<ul style="list-style-type: none"> <li>▪ Edits for brevity and clarity.</li> </ul>	<p>PR-3.4 Develop a trail network for safe, non-motorized access to parks.</p>
<p>LU-43.2 Build and leverage partnerships with other entities, organizations, community stakeholder groups, and other City departments to provide quality and accessible services.</p>	<ul style="list-style-type: none"> <li>▪ This appears to be redundant with elements of PR-5 below.</li> </ul>	<p>[REMOVED]</p>
<p>LU-43.4 Provide a variety of outreach and promotional materials to spread awareness of parks and recreation services.</p>	<ul style="list-style-type: none"> <li>▪ Edits for brevity and clarity.</li> </ul>	<p>PR-3.5 Provide outreach and promotional materials about parks and recreation services.</p>
<p>LU-43.5 Assume a wide range of roles in the provision of services, including direct provider, partner, sponsor, and information clearinghouse.</p>	<ul style="list-style-type: none"> <li>▪ This appears to be repetitive and can be considered part of PR-3.2 above.</li> </ul>	<p>[REMOVED]</p>
<p>LU-49.6 Support the development of performing arts facilities in or near the CBD.</p>	<ul style="list-style-type: none"> <li>▪ Edits for brevity and clarity.</li> </ul>	<p>PR-3.6 Support the development of performing arts facilities in the Downtown.</p>
<p>LU-49.1 Create visually appealing gateways by integrating art work, way-finding signs and landscaping at City entry points and along major thoroughfares.</p>	<ul style="list-style-type: none"> <li>▪ Edits for brevity and clarity.</li> </ul>	<p>PR-3.7 Create visually appealing gateways at entrances to the city that incorporate art, wayfinding, and landscaping.</p>

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<b>LU-44 Leverage and invest in facilities, programs, and infrastructure that boost economic opportunities and improve quality of life.</b>	▪ Edits for brevity and clarity.	<b>PR-4 Enhance economic opportunities and quality of life through park and recreation investments.</b>
LU-44.1 Continue to develop and expand destination park amenities and community signature events that increase tourism and improve recreation opportunities.	▪ Edits for brevity and clarity.	PR-4.1 Boost tourism and local recreation by upgrading park features and organizing community events.
LU-44.2 Develop park and public space amenities in the downtown and other mixed-use and commercial areas.	▪ Edits for brevity and clarity.	PR-4.2 Improve amenities in parks located in downtown and commercial zones.
LU-44.3 Provide safe, clean, and green parks that attract visitors, businesses, and enhance property values.	▪ Edits for brevity and clarity.	PR-4.3 Maintain parks that are safe, clean, and environmentally friendly to attract visitors and boost local quality of life.
<b>LU-45 Provide transparent, accountable, and fiscally responsible services and facilities.</b>	▪ Edits for clarity.	<b>PR-5 Manage parks, recreation, and open spaces with transparency, accountability, and financial responsibility.</b>
LU-45.1 Make accountable, transparent, and responsible decisions that consider the environmental, economic, social, and cultural impacts to our community.	▪ Edits for brevity and clarity.	PR-5.1 Make informed and transparent management decisions about parks, recreation, and open spaces that consider environmental, economic, and social impacts.
[NEW]	▪ Very broad revision of LU-49.7 below.	PR-5.2 Plan new park and open space investments with a focus on life-cycle costs and their impact on maintenance and operational budgets.
LU-45.2 Maintain and update the Legacy Plan goals, strategies, policies and procedures in response to changing needs, trends, performance outcomes and statutory requirements.	▪ Edits for brevity and clarity.	PR-5.3 Regularly update the Legacy Plan, including its objectives and practices.
LU-45.3 Secure sustainable, diverse, and creative funding.	▪ Edits for clarity.	PR-5.4 Seek external funding to complement city investments in parks.
LU-45.4 Cultivate and leverage community partnerships to improve park and recreation services.	▪ Edits for brevity and clarity.	PR-5.5 Collaborate with community groups to enhance park and recreation services.
PROS45.5 Research, implement, evaluate, and improve park and recreation practices.	▪ Edits for brevity and clarity.	PR-5.6 Continuously review and refine management and investment practices in parks and recreation.
<b>LU-49 Create a sense of place by encouraging private contributions and incorporating art and history in parks and public spaces.</b>	▪ This appears to be redundant with PR-3.3 above.	<b>[REMOVED]</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-49.2 Incorporate art and history in public spaces and support local art exhibits and performances throughout the City.	<ul style="list-style-type: none"> <li>This is redundant with policies in PR-3.</li> </ul>	[REMOVED]
LU-49.4 Display art work in various locations to reflect the unique character of neighborhoods and the community.	<ul style="list-style-type: none"> <li>This is redundant with policies in PR-3, and has been combined in that section.</li> </ul>	[REMOVED]
LU-49.5 Provide opportunities for program participants to showcase completed (visual and performing) art work in public spaces and events.	<ul style="list-style-type: none"> <li>This is redundant with policies in PR-3, and has been combined in that section.</li> </ul>	[REMOVED]
LU-49.7 Address on-going maintenance and operation impacts before installing art displays in City parks and public spaces.	<ul style="list-style-type: none"> <li>This appears to be operational and should be edited. Moved to new policy in PR-5</li> </ul>	[REMOVED]

# 10 Public Services

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>PS-1</b>	<b>Protect the community through a comprehensive fire and life safety program.</b>		<b>PS-1</b>	<b>Protect the community through a comprehensive fire and life safety program.</b>
PS-1.1	Maintain a Washington Surveying and Rating Bureau (or successor agency) rating of ISO Class 3 or better.		PS-1.1	Maintain a Washington Surveying and Rating Bureau (or successor agency) rating of ISO Class 3 or better.
PS-1.2	Install and maintain traffic signal control devices responsive to emergency vehicles.		PS-1.2	Install and maintain traffic signal control devices responsive to emergency vehicles.
PS-1.3	Where possible, and mutually beneficial, coordinate land acquisition for emergency services facilities with other departments (e.g., Parks, Public Works, Police) to maximize benefits to the City.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	PS-1.3	Coordinate land acquisition for emergency services facilities with city departments to maximize benefits to the community.
PS-1.4	Continue the utilization of the West Pierce Fire & Rescue Fire Marshal and staff to provide fire and life safety inspections of occupancies as a means of identifying and remedying potential fire hazards before fires occur.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	PS-1.4	Provide fire and life safety inspections of occupancies through the West Pierce Fire & Rescue (WPFR) Fire Marshal and staff to address potential fire hazards.
PS-1.5	Educate and inform the public on fire safety and hazardous materials to further protect the community and the environment from unnecessary damage.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	PS-1.5	Educate the public on fire and hazardous materials safety to protect the community and environment.
<b>PS-2</b>	<b>Ensure that fire facilities and protective services are provided in conjunction with growth and development.</b>		<b>PS-2</b>	<b>Ensure that fire facilities and protective services are provided in conjunction with growth and development.</b>
PS-2.1	Periodically evaluate population growth, community risks, emergency response times, apparatus deployment, and staffing levels to identify future service and facility needs.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	PS-2.1	Identify future service and facility needs through periodic evaluations.
PS-2.2	Incorporate the fire department in evaluation of proposed annexations to determine the impact on response standards.	<ul style="list-style-type: none"> <li>Edited for clarity and brevity.</li> </ul>	PS-2.2	Engage WPFR in evaluating proposed annexations to assess impacts on response standards.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
PS-2.3 Provide fire station locations, apparatus deployment, and staffing levels that support the core fire service provisions and response time objectives as approved in Resolution by the Board of Fire Commissioners.		PS-2.3 Provide fire station locations, apparatus deployment, and staffing levels that support the core fire service provisions and response time objectives as approved in Resolution by the Board of Fire Commissioners.
<b>PS-3 Ensure built-in fire protection for new development and changes or additions to existing construction.</b>		<b>PS-3 Ensure built-in fire protection for new development and changes or additions to existing construction.</b>
PS-3.1 Require all new development to provide minimum fire flow requirements as prescribed in the International Fire Code.	▪ Edited for clarity and brevity.	PS-3.1 Require all new development to meet minimum fire flow requirements as prescribed in the International Fire Code.
PS-3.2 Continue to require that all structures and facilities under City jurisdiction adhere to City, state, and national regulatory standards such as the International Building and Fire Codes and any other applicable fire safety guidelines.	▪ Edited for clarity and brevity.	PS-3.2 Require all structures and facilities under city jurisdiction adhere to city, state, and national regulatory standards such as the International Building and Fire Codes and any other applicable fire safety guidelines.
PS-3.3 Require developers to install emergency access control devices to gated communities as approved by the public works director.	▪ Edited for clarity and brevity.	PS-3.3 Require emergency access control devices to new gated communities as approved by the public works director.
PS-3.4 Consider requiring assessment of a hazardous material impact fee for industrial uses.	▪ Edited for clarity and brevity.	PS-3.4 Evaluate the feasibility of a hazardous material impact fee for industrial uses.
<b>PS-4 Protect citizens through a comprehensive EMS program that maximizes available resources.</b>	▪ Edited for clarity and brevity.	<b>PS-4 Protect citizens through a comprehensive emergency services (EMS) program.</b>
PS-4.1 The fire department will serve as the primary and lead Basic Life Support (BLS) and Advanced Life Support (ALS) provider within the city.	▪ Edited for clarity and brevity.	PS-4.1 Engage WPFR as the primary and lead Basic Life Support (BLS) and Advanced Life Support (ALS) provider within the city.
PS-4.2 Provide a four-minute initial time standard for EMS calls.	▪ Add an explicit mention of WPFR.	PS-4.2 WPFR will provide a four-minute initial time standard for EMS calls.
PS-4.3 Provide fire station locations, apparatus deployment, and staffing levels that support the core EMS service provisions and response time objectives as approved in Resolution by the Board of Fire Commissioners.		PS-4.3 Provide fire station locations, apparatus deployment, and staffing levels that support the core EMS service provisions and response time objectives as approved in Resolution by the Board of Fire Commissioners.
PS-4.4 Maintain criteria-based dispatch system for determining appropriate levels of response.		PS-4.4 Maintain criteria-based dispatch system for determining appropriate levels of response.
PS-4.5 Implement citizen CPR training programs with existing personnel and resources.	▪ Edited for clarity and brevity.	PS-4.5 Coordinate citizen CPR training programs with existing personnel and resources.



Original Goal/Policy	Rationale for Change	Final Goal/Policy			
PS-4.6 Implement and maintain a local physician advisor program in conjunction with the Pierce County EMS Medical Program Director to ensure the medical quality of emergency medical services.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-4.6 Coordinate a local physician advisor program in conjunction with the Pierce County EMS Medical Program Director to ensure the medical quality of emergency medical services.			
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"><b>PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.</b></td> <td style="width: 33%;"></td> <td style="width: 33%;"><b>PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.</b></td> </tr> </table>			<b>PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.</b>		<b>PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.</b>
<b>PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.</b>		<b>PS-5 Protect community members from criminal activity and reduce the incidence of crime in Lakewood.</b>			
PS-5.1 Provide police protection with a three-minute response time for life-threatening emergencies (Priority 1), a six-minute response time for crimes in progress or just completed (Priority 2), and a routine/non-emergency response time of 20 minutes (Priority 3).	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-5.1 Provide police protection with: <ul style="list-style-type: none"> <li>▪ a three-minute response time for life-threatening emergencies (Priority 1),</li> <li>▪ a six-minute response time for crimes in progress or just completed (Priority 2), and</li> <li>▪ a routine/non-emergency response time of 20 minutes (Priority 3).</li> </ul>			
PS-5.2 Maintain a level of police staffing, services, and command that is adequate to serve Lakewood's current needs and future growth.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-5.2 Maintain a level of police staffing, services, and command that is adequate to serve the city's current needs and future growth.			
PS-5.3 Where appropriate, participate in innovative programs and funding strategies to reduce community crime.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-5.3 Participate in innovative programs and funding strategies to reduce community crime.			
<table border="0" style="width: 100%;"> <tr> <td style="width: 33%;"><b>PS-6 Enhance the ability of citizens and the Police Department to minimize crime and provide security for all developed properties and open spaces.</b></td> <td style="width: 33%;"><b>▪ Edited for clarity and brevity.</b></td> <td style="width: 33%;"><b>PS-6 Minimize property crime and provide security for all developed properties and open spaces.</b></td> </tr> </table>			<b>PS-6 Enhance the ability of citizens and the Police Department to minimize crime and provide security for all developed properties and open spaces.</b>	<b>▪ Edited for clarity and brevity.</b>	<b>PS-6 Minimize property crime and provide security for all developed properties and open spaces.</b>
<b>PS-6 Enhance the ability of citizens and the Police Department to minimize crime and provide security for all developed properties and open spaces.</b>	<b>▪ Edited for clarity and brevity.</b>	<b>PS-6 Minimize property crime and provide security for all developed properties and open spaces.</b>			
PS-6.1 Support and encourage community-based crime-prevention efforts through interaction and coordination with existing neighborhood watch groups, assistance in the formation of new neighborhood watch groups, and regular communication with neighborhood and civic organizations.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-6.1 Support and encourage community-based crime-prevention efforts through coordination with new and existing neighborhood watch groups and other civic organizations.			
PS-6.2 Implement a crime prevention through environmental design program that results in the creation of well-defined and defensible spaces by reviewing such things as proposed developments' demographic settings; intended uses; and landscaping, lighting, and building layout as a means of access control.		PS-6.2 Implement a Crime Prevention Through Environmental Design (CPTED) program to support landscaping, lighting, and building design that enhances public safety.			

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
PS-6.3	Seek ways to involve police with youth education, such as bike safety training, anti-drug courses, "cop in school" program, etc.	▪ Edited for flow.	PS-6.3	Involve police with youth education (e.g., bike safety training, anti-drug courses, "cop in school" programs).
<b>PS-7</b>	<b>Protect the community through a comprehensive emergency management program.</b>		<b>PS-7</b>	<b>Protect the community through a comprehensive emergency management program.</b>
PS-7.1	Adopt and maintain a comprehensive emergency management plan consistent with federal and state requirements.	▪ Edited for clarity and brevity.	PS-7.1	Maintain a comprehensive emergency management plan consistent with federal and state requirements.
PS-7.2	Continue to fund and support the emergency management program, ensuring that emergency management plans, equipment, and services are sufficient for potential disaster response.	▪ Edited for clarity and brevity.	PS-7.2	Fund and support an emergency management program to maintain emergency management plans, equipment, and services that are sufficient for disaster response.
PS-7.3	Maintain personnel, resources, and training necessary within all appropriate City departments to provide the disaster response called for in the emergency management disaster response plans.	▪ Edited for clarity and brevity.	PS-7.3	Coordinate city departments to support disaster response as defined in emergency management disaster response plans.
PS-7.4	Coordinate with appropriate state agencies when preparing disaster response plans and when considering floodplain or seismic ordinance standards.	▪ Edited for clarity and brevity.	PS-7.4	Coordinate with state agencies when preparing disaster response plans and ordinances regarding floodplain and seismic standards.
PS-7.5	Develop an interagency communications network incorporating all public service agencies within the City for use during disasters.	▪ Edited for clarity and brevity.	PS-7.5	Develop an interagency communications network for use during disasters.
PS-7.6	Maintain and enhance rescue capabilities that include extrication, trench rescue, water rescue, high-angle rescue, and urban rescue.	▪ Edited for clarity and brevity.	PS-7.6	Maintain appropriate rescue capabilities for extrication, trench rescue, water rescue, high-angle rescue, urban rescue, and other necessary activities.
PS-7.7	Develop and implement additional public education activities that promote water safety.	▪ Edited for clarity and brevity.	PS-7.7	Support public water safety education.
<b>PS-8</b>	<b>Support the maintenance and enhancement of the public education system, placing a strong emphasis on providing quality school facilities that function as focal points for family and community activity.</b>	▪ Edited for clarity and brevity.	<b>PS-8</b>	<b>Support public education, especially school facilities that can serve as focal points for the community.</b>
PS-8.1	Support efforts of the school district to ensure that adequate school sites are provided and that the functional capacity of schools is not exceeded.	▪ Edited for clarity and brevity.	PS-8.1	Support planning for school sites to meet functional capacity needs.

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
PS-8.2	Work with the school district to prepare/update a master plan for all its facilities and a capital improvement plan.	▪ Edited for clarity and brevity.	PS-8.2	Support master planning by the school district for facilities and capital investments.
PS-8.3	Consider the impact on school enrollment and capacities when reviewing new development proposals, higher density infill projects, zoning changes, and Comprehensive Plan amendments.	▪ Edited for clarity and brevity.	PS-8.3	Consider impacts of new development proposals, higher density infill projects, zoning changes, and Comprehensive Plan amendments on school enrollment and capacities using student generation factors from the school district.
PS-8.4	Require that developers assist in donating or purchasing school sites identified on the facilities map in correlation to the demand that their developments will create.	▪ Edited for clarity and brevity.	PS-8.4	Require developers to donate or support the purchase of school sites to meet demands associated with new development.
PS-8.5	Ensure that new school sites include room for future expansion if needed.		PS-8.5	Ensure that new school sites include room for future expansion if needed.
PS-8.6	Request student generation factors from the school district for the City's use in analyzing the impact of project proposals on schools.	▪ Incorporated into PS-8.3 above.	[REMOVED]	
<b>PS-9</b>	<b>Accommodate the maintenance and enhancement of private school opportunities for area students and residents.</b>	▪ Edited for clarity and brevity.	<b>PS-9</b>	<b>Support private school opportunities that meet the needs of area students and residents.</b>
PS-9.1	Subject to specific regulatory standards, allow existing private schools to expand and new private schools to develop.	▪ Edited for clarity and brevity.	PS-9.1	Support new private schools and expansions to existing private schools, subject to relevant regulatory standards.
PS-9.2	Ensure that the Comprehensive Plan and development standards provide sufficient accommodation for the operation and expansion of private school opportunities.	▪ Edited for clarity and brevity.	PS-9.2	Ensure that development standards provide opportunities for the development and expansion of private schools.
<b>PS-10</b>	<b>Ensure that both public and private schools are safe and accessible to students, generate a minimal need for busing, and are compatible with and complementary to surrounding neighborhoods.</b>	▪ Edited for clarity and brevity.	<b>PS-10</b>	<b>Ensure public and private schools are safe, accessible, and compatible with surrounding neighborhoods.</b>
PS-10.1	Prohibit development of public and private schools on sites that present hazards, such as within Accident Potential Zones and industrial zoning districts, nuisances, or other limitations on the normal functions of schools that are unable to be mitigated.	▪ Edited for clarity and brevity.	PS-10.1	Prohibit development of public and private schools on sites that present hazards, nuisances, or other limitations on the normal function of schools that cannot be mitigated.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
PS-10.2 Work with schools and neighborhoods to explore options for access to elementary and secondary schools via local streets and/or paths.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-10.2 Explore options for safe routes to schools to provide access to elementary and secondary schools via local streets and paths.
PS-10.3 Develop specific regulatory standards to ensure that new residential development located near public schools provides adequate pedestrian and bicycle connections, signage, and traffic control measures where needed to ensure the safety of students traveling between the development and the school.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-10.3 Ensure that new residential development located near public schools provides adequate pedestrian and bicycle connections, signage, and traffic control measures to ensure the safety of students.
PS-10.4 Apply improvement responsibilities to school district or private school operator developing new school sites equivalent to that applied to other types of development.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-10.4 Apply improvement responsibilities for school development equivalent to other types of development.
PS-10.5 Retrofit existing neighborhoods with sidewalks, crosswalks, special signage, and other traffic control measures near schools as funding becomes available or as land uses are redeveloped.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-10.5 Retrofit existing neighborhoods with sidewalks, crosswalks, special signage, and other traffic control measures near schools to improve safety.
PS-10.6 Co-locate public school grounds and public parks whenever possible.	<ul style="list-style-type: none"> <li>▪</li> </ul>	PS-10.6 Co-locate public school grounds and public parks whenever possible.
PS-10.7 Encourage as appropriate the school district or private school operator to reduce high school student generated traffic impacts by implementing transportation demand management mechanisms such as limited student parking, public bus routes, and other appropriate tools.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-10.7 Reduce traffic impacts from trips generated by high school students by implementing transportation demand management mechanisms such as limited student parking, public bus routes, and other appropriate tools.
PS-10.8 Encourage the school district to continue to make schools available for civic functions when classes are not in session.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-10.8 Encourage the use of schools for civic functions when classes are not in session.
PS-10.9 Establish limited parking zones around schools where parking capacity problems exist.		PS-10.9 Establish limited parking zones around schools where parking capacity problems exist.
PS-10.10 Work with the CPSD to reuse/redevelop surplus school properties with appropriate uses consistent with the Comprehensive Plan.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> <li>▪ Included provisions for the use of surplus sites for affordable housing.</li> </ul>	PS-10.10 Work with the CPSD to reuse or redevelop surplus school properties for affordable housing or other appropriate uses.
<b>PS-11 Maintain and enhance top-quality institutions of higher education that will meet the changing needs of Lakewood's residents and business community.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	<b>PS-11 Support top-quality institutions of higher education to meet the needs of Lakewood's residents and business community.</b>

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
PS-11.1	Work with colleges to prepare a master plan and policy guide addressing the location of existing and proposed on- and off-site campus structures and uses.	▪ Edited for clarity and brevity.	PS-11.1	Prepare a master plan and policy guide for the locations of existing and proposed on- and off-site campus structures and uses.
PS-11.2	Require new construction to be subject to requirements of the City's development standards, including adequate fire protection and emergency access, and generally consistent with the master plan.	▪ Edited for clarity and brevity.	PS-11.2	Require new institutional construction to be subject to city development standards.
PS-11.3	Work with colleges to enhance area infrastructure to better serve college facilities, such as improved pedestrian, bike and bus connections, and more student housing and support services in the surrounding area.	▪ Edited for clarity and brevity.	PS-11.3	Enhance infrastructure to support college facilities, including improved pedestrian, bike and bus connections, student housing and support services in the surrounding area.
<b>PS-12</b>	<b>Maximize the ability of higher educational institutions to provide quality services while minimizing impacts on area residents and businesses.</b>	▪ <b>Edited for clarity and brevity.</b>	<b>PS-12</b>	<b>Improve compatibility between institutions of higher education and surrounding neighborhoods.</b>
PS-12.1	Participate with institutions of higher education in master planning efforts, transit programs, neighborhood plans, and other programs intended to facilitate the provision of quality education in a manner compatible with surrounding uses.	▪ Edited for clarity and brevity.	PS-12.1	Coordinate planning with institutions of higher education to support compatibility with surrounding uses.
<b>PS-13</b>	<b>Ensure that high quality library services are available to Lakewood residents.</b>	▪ <b>Edited for clarity and brevity.</b>	<b>PS-13</b>	<b>Ensure that high-quality library services are available to Lakewood residents.</b>
PS-13.1	Work with the Pierce County Library System to address current service deficits, continued population growth, changing library services, increased and changing customer needs and expectations within the Lakewood service area.	▪ Edited for clarity and brevity.	PS-13.1	Work with the Pierce County Library System (PCLS) to address changing customer needs and current service deficits.
PS-13.2	Promote the construction a new main library facility within the City's downtown core.	▪ Edited for clarity and brevity.	PS-13.2	Support the development of a new main library in the downtown.
PS-13.3	Assist the Pierce County Library System in the reuse/sale of the existing library building/property located at 6300 Wildaire Rd SW.	▪ Edited for clarity and brevity.	PS-13.3	Assist PCLS in the reuse, redevelopment, or sale of surplus facilities.
PS-13.4	Work with the Library System to ensure that its facilities are located and designed to effectively serve the community.		PS-13.4	Work with the Library System to ensure that its facilities are located and designed to effectively serve the community.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
PS-13.5 Support the Pierce County Library System's service levels (seating, materials and shelving, technology guidelines, meeting rooms, square feet per capita, and parking) as outlined in the Pierce County Library 2030 report and as may be updated from time-to- time.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-13.5 Support the provision of PCLS service levels as outlined in the Pierce County Library 2030 report and its updates.
PS-13.6 Work with the Library System to identify non-capital alternatives such as specialized programs, new technologies, and other alternatives to provide up-to-date library services.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-13.6 Support PCLS in identifying non-capital alternatives to provide additional library services.
PS-13.7 Establish a three- to five-mile service radius for library coverage.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-13.7 Establish a three- to five-mile service radius for library coverage for planning.
PS-13.8 Continue and expand bookmobile services to underserved and/or isolated areas such as Springbrook, Tillicum, and Woodbrook.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-13.8 Support bookmobile services to underserved and/or isolated areas.
<b>PS-14 Create a community in which all members have the ability to meet their basic physical, economic, and social needs, and the opportunity to enhance their quality of life.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	<b>PS-14 Support a community that meets the physical, economic, and social needs of residents, and provides opportunity to enhance quality of life.</b>
PS-14.1 Assess and anticipate human services needs and develop appropriate policy and program responses.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-14.1 Plan for human services needs and appropriate policy and programmatic responses.
PS-14.2 Convene and engage others, including the Youth Council, the Lakewood Community Collaboration, and Lakewood's Promise, in community problem-solving to develop and improve social services.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-14.2 Convene community organizations to help develop and improve social services.
PS-14.3 Disburse Community Development Block Grant and General Fund dollars to support a network of services which respond to community needs.	<ul style="list-style-type: none"> <li>▪ Minor edits.</li> </ul>	PS-14.3 Disburse Community Development Block Grant (CDBG) and General Fund dollars to support a network of services that respond to community needs.
PS-14.4 Promote awareness of needs and resources through strengthened dialogue, effective marketing strategies, and public relations activities.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-14.4 Promote awareness of community resources through ongoing dialogue, marketing, and public information.
PS-14.5 Encourage services that respect the diversity and dignity of individuals and families, and foster self-determination and self-sufficiency.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-14.5 Respect the diversity and dignity of individuals and families and foster self-determination and self-sufficiency when providing services.



Original Goal/Policy		Rationale for Change	Final Goal/Policy	
PS-14.6	Foster a community free of violence, discrimination and prejudice.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-14.6	Create a community free of violence, discrimination, and prejudice.
PS-14.7	Encourage the location of medical clinics and services near transit facilities.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-14.7	Encourage medical clinics and related services to locate near transit facilities that support greater accessibility.
<b>PS-15</b>	<b>Ensure the City's Human Services Funds are effectively and efficiently managed.</b>	<ul style="list-style-type: none"> <li>▪ <b>Minor edits.</b></li> </ul>	<b>PS-15</b>	<b>Provide oversight for Human Services funding to ensure resources are effectively and efficiently managed and distributed.</b>
PS-15.1	The City's role is to fund, advocate, facilitate, plan, and inform by continually engaging service providers and community organizations in dialogue regarding the functioning of the present service systems, the emerging needs of the community and the building of a comprehensive system of services.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-15.1	Engage service providers and community organizations in ongoing dialogue about current service systems, emerging community needs, and building comprehensive local systems for services.
PS-15.2	Develop and maintain a strategic plan to direct collaborative services efforts.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-15.2	Maintain a strategic plan to direct collaborative efforts to provide social and human services.
PS-15.3	Assess community needs and administer a funding allocations process to address identified community needs.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-15.3	Regularly assess community needs to allocate funding that addresses identified priorities.
PS-15.4	Develop contract performance measures and monitor contracting agencies performance.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-15.4	Monitor the performance of contracting agencies providing social and human services.
<b>PS-16</b>	<b>Give a broad range of Lakewood citizens a voice in decision making about how we can create a safer, healthier community.</b>	<ul style="list-style-type: none"> <li>▪ <b>Minor edits to include equity.</b></li> <li>▪ <b>Removed "citizens" in favor of "residents".</b></li> </ul>	<b>PS-16</b>	<b>Give all Lakewood residents a role in decision-making to help create a safer, healthier, and more equitable community.</b>
PS-16.1	Ensure the representation of culturally and economically diverse groups, including youth, people of color, seniors, and the disabled, in publicly appointed committees working on human services needs.	<ul style="list-style-type: none"> <li>▪ Edits for clarity.</li> </ul>	PS-16.1	Ensure that culturally and economically diverse groups located across the community are represented both in engagement and on publicly appointed committees, including youth, people of color, seniors, and people with disabilities.
PS-16.2	Develop decision-making processes that include regular feedback from the community and health/human services consumers.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-16.2	Incorporate regular feedback from the community and health/human services consumers into decision-making.
<b>PS-17</b>	<b>Participate in regional and local efforts that address human services needs in the region and in the City.</b>	<ul style="list-style-type: none"> <li>▪ <b>Edited for clarity and brevity.</b></li> </ul>	<b>PS-17</b>	<b>Participate in collaborative efforts to address regional human services needs.</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
PS-17.1 Support and actively coordinate with local, regional, and national efforts that address local human services needs and ensure that local services are compatible with other programs provided at the state and federal levels.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-17.1 Coordinate and align with county, regional, state, and national efforts to address human services needs in the community.
PS-17.2 Continue the City's active participation in the Pierce County Continuum of Care, the Pierce County Human Services Coalition, and the 2060 and 2163 Funding Programs.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-17.2 Continue participating in existing regional programs, including: <ul style="list-style-type: none"> <li>▪ the Tacoma-Lakewood-Pierce County Continuum of Care (TLP CoC).</li> <li>▪ the Pierce County Human Services Coalition.</li> <li>▪ the 2060 and 2163 Funding Programs.</li> </ul>
<b>PS-20 Maintain/improve community facilities and public infrastructure, particularly in underserved areas or neighborhoods.</b>	<ul style="list-style-type: none"> <li>▪ Minor edits.</li> </ul>	<b>PS-18 Maintain and improve community facilities and public infrastructure, particularly in underserved areas or neighborhoods.</b>
PS-20.1 Support public infrastructure such as streets, sidewalks, street-lighting, street-related improvements, and park facilities and improvements, and the removal of architectural barriers that impede American Disabilities Act accessibility.	<ul style="list-style-type: none"> <li>▪ Note that this is included but may be included in transportation.</li> </ul>	PS-18.1 Support public infrastructure such as streets, sidewalks, street-lighting, street-related improvements, and park facilities and improvements.
[NEW]	<ul style="list-style-type: none"> <li>▪ Split off the final component of PS-20.1 to discuss ADA compliance.</li> </ul>	PS-18.2 Develop an ADA Transition Plan to improve accessibility to public facilities and infrastructure managed by the city for people with disabilities.
PS-20.2 Support community facilities providing emergency services and basic needs.	<ul style="list-style-type: none"> <li>▪ Edited for clarity and brevity.</li> </ul>	PS-18.3 Support community facilities providing emergency services and basic needs, such as day shelters.
PS-20.3 Support the delivery of human services to, and sustain a community safety net for, identified vulnerable populations.	<ul style="list-style-type: none"> <li>▪ Edited for brevity – note that this may be too broad.</li> </ul>	PS-18.4 Sustain a community safety net for identified vulnerable populations.

# 11 Subarea Plans

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>General</b>		
<b>11.3.1</b> Develop and implement redevelopment and subarea plans for the Lakewood Station District Subarea, Springbrook, the Downtown, the Pacific Highway SW corridor, and selected residential arterials.	<ul style="list-style-type: none"> <li>Rework to be more general, and separate details below.</li> </ul>	<b>SA-1:</b> Provide subarea and redevelopment plans for targeted neighborhoods in the city to guide intended growth and development.
[NEW]	<ul style="list-style-type: none"> <li>Provided here to reinforce the status of the Downtown Subarea.</li> </ul>	<b>SA-1.1</b> Manage the Downtown Subarea as the city's PSRC-designated Regional Urban Growth Center according to the VISION 2050 Urban Center criteria.
[NEW]	<ul style="list-style-type: none"> <li>Rework the earlier policy/goal above.</li> </ul>	<b>SA-1.2</b> Develop and implement redevelopment and subarea plans for other areas such as the Springbrook, the Downtown, the Pacific Highway SW corridor, and selected residential arterials.
<b>Downtown Subarea</b>		
[NEW]	<ul style="list-style-type: none"> <li>Link the Downtown Subarea Plan to this section</li> </ul>	<b>DS-1</b> Implement the Downtown Subarea Plan.
[NEW]	<ul style="list-style-type: none"> <li>Included from the Subarea Plan.</li> </ul>	<b>DS-1.1</b> Consider the differences between the three distinct districts in the Downtown Subarea as part of planning: <ul style="list-style-type: none"> <li><b>Colonial</b>, which includes colonial-style commercial buildings and the historic Lakewood Theater.</li> <li><b>Town Center</b>, which contains the upgraded Lakewood Towne Center, an auto-oriented shopping area with stores and restaurants, a transit center, the Lakewood Playhouse, and city Hall. Note that when referring to the district as a whole, "town" is used in these policies, and when referring to the private mall, "towne" is used.</li> <li><b>East District</b>, which is at the intersection of Bridgeport Way SW and 100th Street SW has a mix of large auto-oriented commercial centers and smaller strip-commercial properties along arterials.</li> </ul>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Included from the Subarea Plan.</li> </ul>	DS-1.2 Implement a hybrid form-based code for the Downtown to regulate streetscapes and frontages according to different street types.
[NEW]	<ul style="list-style-type: none"> <li>Included from the Subarea Plan.</li> </ul>	DS-1.3 Include overlay areas within the Downtown Subarea to provide more specific design standards based on location and context: <ul style="list-style-type: none"> <li>The <b>Colonial Overlay (C-O)</b> is a special design district that preserves the unique colonial style aesthetic within that area.</li> <li>The <b>Town Center Incentive Overlay (TCI-O)</b> district allows for the holistic development of the Lakewood Towne Center in alignment with the vision and policies of the Downtown Plan.</li> <li>The <b>Low-Impact Mixed-Use Roads (LIMU-O)</b> district supports the transformation of the Downtown District according to the Downtown Plan and the fulfillment of the purpose of the CBD zone, but allows for existing single-family residential development to remain in place.</li> <li>The <b>Transition Overlay (TO)</b> is any property or portion of a property in the Downtown District that is within 100 ft. of an abutting single-family residential zone or mixed residential zone. Properties within the Downtown District that are separated from a single-family residential or mixed residential zone by a city-owned right of way of at least 60 ft. in width do not have to provide a transition area. The TO provides a buffer between higher intensity uses in the Downtown Subarea and lower intensity uses in the residential zones that surround downtown.</li> </ul>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li><b>Policy from Subarea Plan and Goal SA-19 from previous Comprehensive Plan.</b></li> </ul>	DS-2 <b>Urban Design + Land Use: Define Downtown Lakewood as a dynamic mixed-use urban center with diverse and intensive development, high-quality public spaces, and vibrant cultural and commercial activities.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.1 Promote redevelopment of the Central Business District as a mixed-use urban center that anchors the Downtown and bolsters Lakewood's sense of identity as a city.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.2 Develop Downtown as not only the “heart” of the city, but a regional urban center where commerce, culture, and government flourish.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.3 Promote the Central Business District as the primary center for retail, office, public services, cultural activities, urban residential, and civic facilities of Lakewood.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.4 Promote office development, open space, high density residential development and/or mixed-use development in the Towne Center.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.5 Promote the Central Business District as a daytime and nighttime center for social, entertainment, cultural, business and government activity.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.6 Adopt new urban design approaches to raise the aesthetic standards of the Downtown.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-2.7 Continue to foster transformation of the former mall to provide better public visibility; create additional public rights-of-way; and potentially develop entertainment, housing, visitor serving, and open space uses.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>New goal to summarize intent.</b></li> </ul>	<b>DS-3 Economic Development: Highlight Downtown Lakewood as a destination for commerce, culture, and community living by enhancing opportunities for business and residential development.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-3.1 Develop Downtown as a destination for retail, office, public services, cultural activities (art, culture, and entertainment), urban residential, and civic facilities of Lakewood.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-3.2 Ensure Downtown is home to a wide spectrum of businesses that reflect the area’s most competitive and desired industries.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-3.3 Prioritize and market catalytic sites identified through this Plan for mixed-use development.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-3.4 Improve the comfort and safety of residents, business owners and employees, customers, and visitors to the Downtown through design, maintenance, and policing strategies.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>[NEW]</b>	<ul style="list-style-type: none"> <li>▪ <b>New goal to summarize intent.</b></li> </ul>	<b>DS-4 Housing: Support a diverse and inclusive residential environment in Downtown Lakewood by promoting varied housing options and supportive amenities for individuals and families of all backgrounds.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-4.1 Encourage a diversity of housing types to ensure housing choices for current and future residents, workers, military families, and to strengthen commercial areas.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-4.2 Provide increased densities and regulatory flexibility in Downtown development regulations to attract diverse housing for all ages, abilities, and incomes.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-4.3 Create mechanisms that attract and increase multifamily development Downtown.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-4.4 Support hosting quality cultural, educational, and recreational activities to attract families to live Downtown.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-4.5 Promote well-designed and maintained diverse mixed use and multifamily housing opportunities available to all incomes.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li>▪ <b>New goal to summarize intent.</b></li> </ul>	<b>DS-5 Street Grids, Streetscapes &amp; Public Spaces: Transform Lakewood Downtown into a dynamic, pedestrian-friendly hub that supports diverse social, cultural, and economic activities through strategic urban design and innovative parking solutions.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-5.1 Promote the Central Business District as a daytime and nighttime center for social, entertainment, cultural, business and government activity.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-5.2 Promote cultural institutions, performing arts uses, and recreational activities within the Central Business District.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-5.3 Consider the use of the city's eminent domain powers to establish public streets and public open spaces in the Lakewood Towne Center.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-5.4 Maintain a pedestrian-orientation in building, site, and street design and development in the Central Business District.



Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.5 Maintain an appropriate supply of parking in the Central Business District as development intensifies.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.6 Foster the evolution of a Central Business District that is compact and walkable and not defined by large expanses of parking lots.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.7 Consider parking requirements for higher density areas that offer sufficient parking and access as well as encourage alternative transportation modes.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.8 Confine the location of parking areas to the rear of properties to increase pedestrian safety and minimize visual impact.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.9 Identify places where on-street parking can be added adjacent to street-facing retail to encourage shopping and buffer sidewalks with landscaping to create a pleasant walking environment.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.10 Encourage the use of structured, underbuilding, or underground parking, where feasible with site conditions, to use land more efficiently.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.11 Encourage shared parking agreements within the Lakewood Towne Center.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-5.12 Focus investments in Downtown by promoting joint and mixed-use development and integrating shared-use parking practices.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>Goal from previous Goal SA-3</b></li> </ul>	<b>DS-6 Transportation: Emphasize pedestrian and bicycle connectivity and transit use within the Downtown while accommodating automobiles.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-6.1 Balance the need for traffic flow with providing multi-modal travel options and supporting urban development in the Downtown.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-6.2 Emphasize pedestrian and bicycle connectivity and transit use within the Central Business District (Central Business District).
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-6.3 Accommodate automobiles in balance with pedestrian, bicycle, and transit uses within the Central Business District and on individual sites.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>▪ New goal to summarize intent.</li> </ul>	<b>DS-7 Park, Open Spaces &amp; Trails: Support Downtown by developing public spaces and recreational amenities that promote accessibility and community engagement.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-7.1 Create public spaces and amenities in the Central Business District (Central Business District) to support Downtown businesses and residents.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-7.2 Acquire lands and construct community-gathering destinations such as plazas, open space or community facilities within the Towne Center.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-7.3 Invest in a quality park and recreation system to enhance economic benefit.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-7.4 Encourage the development of open space and recreation amenities in business parks or other commercial areas to support workers and nearby residents.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-7.5 Increase emphasis on making Lakewood accessible and convenient for pedestrians and bicycle riders.
[NEW]	<ul style="list-style-type: none"> <li>▪ New goal to summarize intent.</li> </ul>	<b>DS-8 Stormwater and the Natural Environment: Protect environmental quality in the Downtown, especially with respect to stormwater-related impacts.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-8.1 Protect the quality and quantity of groundwater.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-8.2 Require that development follow adopted stormwater standards that incorporate low impact development (LID) principles and standards: <ul style="list-style-type: none"> <li>▪ Where onsite filtration is feasible, it should be provided.</li> <li>▪ Permeable surfaces should be considered for sidewalks.</li> </ul>
[NEW]	<ul style="list-style-type: none"> <li>▪ New goal to summarize intent.</li> </ul>	<b>DS-9 Utility Infrastructure (Water, Sewer, Power): Ensure the Downtown is provided with sufficient utility capacity to meet current and future needs.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	DS-9.1 Ensure Downtown features a connected public street grid and updated utility infrastructure to support densification.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-9.2 Encourage energy efficient development in the Downtown Study Area.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>New goal to summarize intent.</b></li> </ul>	<b>DS-10 Community Partnerships and Organization: Strengthen Downtown Lakewood's revitalization by supporting organizations dedicated to economic, social, and safety enhancements.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-10.1 Focus on the revitalization of the Downtown through partnerships among the city, business and property owners, and the community; develop an organization whose primary function is to support implementation of this Plan.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-10.2 Support formation of business improvement organizations.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	DS-10.3 Support the formation of a Lakewood Towne Center association or similar organization to establish economic improvement strategies and to sponsor social and safety events.
<b>SA-19 Promote redevelopment of the Downtown as a mixed-use urban center that creates a downtown and bolsters Lakewood's sense of identity as a City.</b>	<ul style="list-style-type: none"> <li><b>Moved above.</b></li> </ul>	<b>[REMOVED]</b>
SA-19.1 Promote the Downtown as the primary center for retail, office, public services, cultural activities, urban residential, and civic facilities of Lakewood.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-19.2 Encourage neighborhood businesses that provide daily goods and services in the Downtown.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-19.3 Promote the Downtown as a daytime and nighttime center for social, entertainment, cultural, business and government activity	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-19.4 Promote cultural institutions, performing arts uses, and recreational activities within the Downtown.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-19.5 Remove underlying deed restrictions and/or covenants that prohibit office development, open space, high density residential development and/or mixed-use development in the Towne Center.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
SA-19.6 Acquire lands and construct community-gathering destinations such as plazas, open space or community facilities within the Towne Center.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
SA-19.7 Support the formation of a Towne Center association or similar organization to establish economic improvement strategies and to sponsor social and safety events.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
SA-19.8 Consider the use of the City's eminent domain powers to establish public streets and public open spaces in the Towne Center.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
SA-19.9 Implement the policies and strategies in the Downtown Plan, which is hereby incorporated by reference as amended, to serve as a subarea plan and to supplement the Downtown policies of the comprehensive plan.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
<b>LU-20 Emphasize pedestrian and bicycle connectivity and transit use within the Downtown while accommodating automobiles.</b>	<ul style="list-style-type: none"> <li>▪ <b>Moved to the earlier section as a goal.</b></li> </ul>	<b>[REMOVED]</b>
LU-20.1 Accommodate automobiles in balance with pedestrian, bicycle, and transit uses within the Downtown and on individual sites.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
LU-20.2 Maintain the Pierce Transit Center located in the Lakewood Towne Center.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
LU-20.3 Maintain an appropriate supply of parking in the Downtown as development intensifies.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
LU-20.4 Encourage shared parking agreements within the Towne Center.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
LU-20.5 Encourage multi-modal policies, improvements, and strategies consistent with the Downtown Plan.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
<b>UD-8: Develop the design of the CBD to support its role as Lakewood's Downtown.</b>	<ul style="list-style-type: none"> <li>▪ <b>This goal doesn't completely align with only considering the CBD and has been removed in favor of the policies above.</b></li> </ul>	<b>[REMOVED]</b>
UD-8.1: Implement the Downtown Subarea Plan, paying attention to the integration of Lakewood Towne Center with the remainder of the subarea.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
UD-8.2: Continue to foster transformation of the former mall to provide better public visibility; create additional public rights-of-way; and potentially develop entertainment, housing, visitor serving, and open space uses.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
UD-8.3: Promote design elements that enhance the distinctive character of the Colonial Center while enabling contemporary urban design in the Downtown overall.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
UD-8.4: Maintain a pedestrian-orientation in building, site, and street design and development in the Downtown.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
UD-8.5: Promote urban amenities throughout the Downtown and on individual sites.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
<b>Lakewood Station District Subarea</b>		
<b>[NEW]</b>	<ul style="list-style-type: none"> <li>▪ <b>Provided as an initial goal to incorporate other high-level policies for the subarea.</b></li> </ul>	<b>LS-1 Implement the Lakewood Station District Subarea (LSDS) Plan.</b>
	<ul style="list-style-type: none"> <li>▪ Based on previous SA-8.1; intended to provide a high-level perspective on the intent of the subarea.</li> </ul>	LS-1.1 Develop the LSDS into a distinctive urban node with diverse uses such as regional offices, high-density residences, local businesses, and open spaces.
	<ul style="list-style-type: none"> <li>▪ Based on previous SA-7.1; intended to provide a high-level perspective on the intent of the subarea.</li> </ul>	LS-1.2 Coordinate with transit agencies to plan and develop the Lakewood Station Subarea as a multi-modal commuter hub.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li>▪ <b>Goal expanded from the intent of the section.</b></li> </ul>	<b>LS-1 Land Use and Urban Design: Develop the LSDS as a vibrant transit-oriented, mixed-use community with supporting amenities.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	LS-1.1 Support transit-oriented development in the LSDS to capitalize on access to regional transit and proximity to Lakewood Station.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	LS-1.2 Support and incentivize mixed-use development near Lakewood Station and in the commercial areas along Pacific Highway and Bridgeport Way where there is capacity for increased intensity of development.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>▪ Policy from Subarea Plan.</li> </ul>	LS-1.3 Integrate public open spaces into new development to create opportunities for public gathering and green spaces in the LSDS.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-1.4 Maintain land use and zoning designations that support high density residential development as part of mixed-use developments and residential redevelopment.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-1.5 Apply a hybrid-form based code to create an identifiable look and feel for the LSDS and to support safe pedestrian spaces.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-1.6 Adopt standards, uses and incentives that allow the subarea to transition from its present condition to its desired vision.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-1.7 Consider the designation of new Green Streets as opportunities arise, in coordination with public input.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>Goal expanded from the intent of the LS-2 section.</b></li> </ul>	<b>Housing: Promote diverse and affordable housing options in the LSDS that can accommodate a broad range of economic backgrounds, support local community investment, and prevent displacement.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-2.1 Encourage a variety of housing types to ensure choice for current and future residents, workers, military families, and to strengthen commercial areas.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-2.2 Support housing affordable to current LSDS residents though preservation where possible, as well as redevelopment activities.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-2.3 Incentivize the development of market rate and affordable housing options for households with incomes at 60-120% of the area median income to preserve affordability in the LSDS and avoid displacement of existing residents.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-2.4 Encourage homeownership options that allow local residents to invest in the community to gain equity and wealth.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-2.5 Attract a mix of large and small builders that can provide new housing options at a variety of scales and levels of affordability.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>Goal expanded from the intent of the LS-3 section.</b></li> </ul>	<b>Economic Development, Business, &amp; Employment: Advance economic growth in the LSDS to diversify local employment and services.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-3.1 Support medical office and commercial office opportunities.



Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-3.2 Encourage mixed-use development to expand opportunities for business and employment in the LSDS.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-3.3 Support small business development to build on the diverse offering of goods and services to residents and workers in the LSDS.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>Goal expanded from the intent of the section.</b></li> </ul>	<b>LS-4 Transportation: Enhance accessibility and connectivity by developing comprehensive multi-modal transportation infrastructure and connections to key destinations.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-4.1 Provide multi-modal transportation options to improve the flow of people and goods in the LSDS and to reduce auto-dependence.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-4.2 Support pedestrians in the LSDS with sidewalk and infrastructure improvements that enhance safety and provide a more comfortable travel experience.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-4.3 Enhance non-motorized connections to Lakewood Station and Pierce Transit facilities to encourage the use of regional and local transit.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-4.4 Connect the LSDS to Downtown with enhanced pedestrian and bicycle facilities.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-4.5 Publicly invest in the development and construction of streetscapes to support redevelopment in the LSDS.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-4.6 Consider options for crossing Pacific Highway to provide a safe and efficient linkage between Lakewood Station and the Lakewood Landing development site.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>Goal expanded from the intent of the section.</b></li> </ul>	<b>LS-5 Utilities &amp; Public Services: Expand infrastructure to support sustainable redevelopment and growth.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-5.1 Ensure there is adequate utilities infrastructure to support redevelopment of the LSDS according to the vision.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	LS-5.2 Consider future agreements to support infrastructure development in the LSDS such as development agreements, latecomers agreements, fee assessments, improvement districts, and other tools.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>SA-25 Promote the Lakewood Station Subarea as the multi-modal commuter hub of Lakewood.</b>	▪ Considered in policies above.	[REMOVED]
SA-25.1 Coordinate with affected agencies to facilitate the development and operation of the Lakewood Station Subarea as a multi-modal commuter hub.	▪ Considered above – removed from here.	[REMOVED]
SA-25.2 Foster the Lakewood Station Subarea’s role as a transit-oriented development district, recognizing that Lakewood is the residential end of the commute pattern.	▪ Considered in policies above.	[REMOVED]
SA-25.3 Seek ways to acquire additional public and semi-public open space including the creation of mechanisms for bonus densities in return for provision of open space and other public amenities.	▪ Considered in policies above.	[REMOVED]
SA-25.4 Provide incentives for redevelopment of the Lakewood Station Subarea to capitalize on growth and visibility associated with the commuter rail station.	▪ Considered in policies above.	[REMOVED]
SA-25.5 Implement the Lakewood Station District Subarea Plan.	▪ Considered in policies above.	[REMOVED]
<b>SA-26 Promote an interactive mixture of activities around the Lakewood Station that focus on the station’s regional access.</b>	▪ Considered in policies above.	[REMOVED]
SA-26.1 Coordinate and promote the development of the area around the Lakewood Station to create a distinctive urban node that provides for a rich mixture of uses including regional offices, major institutions, high-density urban residences, neighborhood businesses, and open space.	▪ Considered in policies above.	[REMOVED]
<b>SA-27 Develop an urban design framework to guide physical development of the Lakewood Station district.</b>	▪ Considered in policies above.	[REMOVED]
SA-27.1 As part of the Lakewood Station sub-area plan, develop design guides and a detailed urban design framework plan for the Lakewood Station District, coordinating public and private development opportunities.	▪ Considered in policies above.	[REMOVED]
SA-27.2 Create additional public and semi-public open space opportunities to serve residents, employees, commuters and visitors in the Lakewood Station district.	▪ Considered in policies above.	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
SA-27.3 Improve pedestrian and vehicular connections across the railroad tracks, Pacific Highway SW, and I-5.	▪ Considered in policies above.	[REMOVED]
<b>UD-9: Create a livable, transit-oriented community within the Lakewood Station District through application of urban design principles.</b>	▪ Considered in policies above.	[REMOVED]
UD-9.1: Provide for pedestrian and bicycle connectivity within the Lakewood Station District to the commuter rail station.	▪ Considered in policies above.	[REMOVED]
UD-9.2: Identify the opportunities for additional public/semi-public green space in the Lakewood Station District. (see Policy LU25.3 regarding bonus densities).	▪ Considered in policies above.	[REMOVED]
UD-9.3: Improve identified civic boulevards, gateways, and green streets within the Lakewood Station District to provide a unifying and distinctive character.	▪ Considered in policies above.	[REMOVED]
UD-9.4: Establish the intersection of Pacific Highway Southwest and Bridgeport Way as a major gateway into the city and develop a landscaping treatment to enhance the city's image at this gateway.	▪ Considered in policies above.	[REMOVED]
UD-9.5 Implement the Lakewood Station District Subarea (LSDS) Plan. Incorporate site and architectural design measures to coordinate consistency of private and public development.	▪ Considered in policies above.	[REMOVED]
<b>Tillicum-Woodbrook Subarea</b>		
<b>[FROM SUBAREA PLAN]</b>	▪ <b>Goal from Subarea Plan.</b>	<b>TW-1 Celebrate the Tillicum-Woodbrook Community Center, Tillicum Elementary School, Harry Todd Park, and Pierce County Library branch as the heart of the Tillicum-Woodbrook Subarea.</b>
[FROM SUBAREA PLAN]	▪ Policy from Subarea Plan.	TW-1.1 Encourage public and private investment in human services, Tillicum-Woodbrook Community Center, Tillicum Elementary School, and the arts.
[FROM SUBAREA PLAN]	▪ Policy from Subarea Plan.	TW-1.2 Expand public access to American Lake to increase recreation opportunities for all residents.
[FROM SUBAREA PLAN]	▪ Policy from Subarea Plan.	TW-1.3 Support youth activities and programs.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-1.4 Invest in new community spaces and civic institutions in Woodbrook
<b>[FROM SUBAREA PLAN]</b>	<ul style="list-style-type: none"> <li><b>Goal from Subarea Plan.</b></li> </ul>	<b>TW-2 Increase visibility of Tillicum's and Woodbrook's diverse community by investing in leadership development and the neighborhood's ability to advocate for community needs.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-2.1 Invite all Lakewood residents to visit Tillicum-Woodbrook and celebrate its identity as a family-friendly neighborhood and as a regional destination.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-2.2 Support and encourage community-based leadership development and capacity building through regular communication with neighborhood and civic organizations.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-2.3 Celebrate Tillicum and Woodbrook's history.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-2.4 Ensure residents continue to live in Tillicum and Woodbrook.
<b>[FROM SUBAREA PLAN]</b>	<ul style="list-style-type: none"> <li><b>Goal from Subarea Plan.</b></li> </ul>	<b>TW-3 Diversify Tillicum's and Woodbrook's housing options to support current residents in Lakewood.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-3.1 Encourage and support efforts to increase homeownership.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-3.2 Provide for a range of housing options to meet community needs.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-3.3 Encourage and support access to affordable, safe, and connected housing options.
<b>[FROM SUBAREA PLAN]</b>	<ul style="list-style-type: none"> <li><b>Goal from Subarea Plan.</b></li> </ul>	<b>TW-4 Connect Tillicum and Woodbrook to Lakewood and Pierce County through a multi-modal transportation network to increase access to employment and social activities.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-4.1 Evaluate on-street parking needs in Tillicum and Woodbrook and implement curb management strategies as needed to ensure public access to businesses and homes in Tillicum and Woodbrook.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-4.2 Invest in infrastructure to support mobility needs and address mobility barriers of neighborhood residents.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-4.3 Prioritize investments in vehicle infrastructure to support connecting Tillicum and Woodbrook to other parts of Lakewood.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-4.4 Provide opportunities for safe pedestrian and bicycle connections from Tillicum and Woodbrook to other portions of Lakewood.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-4.5 Partner with local and regional transit agencies to provide reliable transit service to neighborhood residents to increase access to social and economic opportunities.
<b>[FROM SUBAREA PLAN]</b>	<ul style="list-style-type: none"> <li><b>Goal from Subarea Plan.</b></li> </ul>	<b>TW-5 Increase economic development opportunities within Tillicum and Woodbrook.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-5.1 Support or foster relationships with educational institutions and employment organizations that encourage the development of higher education, apprenticeship and internship opportunities, and adult learning offerings to contribute to building community capacity and innovation.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-5.2 Continue to partner with Workforce Central, the Tacoma-Pierce County Economic Development Board, and the Lakewood Chamber of Commerce to provide support and resources to small businesses in Tillicum and Woodbrook.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-5.3 Support additional food resources, commercial development, job growth, and technical assistance in the Tillicum Woodbrook Subarea.
<b>[FROM SUBAREA PLAN]</b>	<ul style="list-style-type: none"> <li><b>Goal from Subarea Plan.</b></li> </ul>	<b>TW-6 Protect Tillicum and Woodbrook's natural environment and increase adaptability and resiliency for Tillicum and Woodbrook as communities significantly impacted by air quality and climate change.</b>
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-6.1 Enhance quality of life in Tillicum and Woodbrook through the thoughtful placement and improvement of parks and recreational activities.
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-6.2 Protect water quality in American Lake.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[FROM SUBAREA PLAN]	<ul style="list-style-type: none"> <li>Policy from Subarea Plan.</li> </ul>	TW-6.3 Encourage the use of sustainable materials and building practices.
<b>UD-10: Promote the evolution of Tillicum into a vital higher density pedestrian-oriented neighborhood through application of urban design principles.</b>	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	<b>[REMOVED]</b>
UD-10.1: Identify opportunities for additional public/semi-public green space in Tillicum.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
UD-10.2: Provide opportunities for pedestrian and bicycle connections from Tillicum to other portions of Lakewood.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
UD-10.3: Improve identified civic boulevards, gateways, and green streets within Tillicum to provide a unifying and distinctive character.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
<b>SA-51 Minimize the impacts of geographic isolation of the Tillicum, Springbrook, and Woodbrook areas and focus capital improvements there to upgrade the public environment.</b>	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	<b>[REMOVED]</b>
SA-51.1 Provide for commercial and service uses for the daily needs of the residents within the neighborhoods.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-51.2 Support the expansion of recreation and open space.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-51.3 Provide pedestrian and bicycle paths within the neighborhoods and which connect to other neighborhoods.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
<b>SA-52 Improve the quality of life for residents of Tillicum.</b>	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	<b>[REMOVED]</b>
SA-52.1 Enhance the physical environment of Tillicum through improvements to sidewalks, pedestrian-oriented lighting, street trees, and other pedestrian amenities.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-52.2 Promote integration of Tillicum with the American Lake shoreline through improved physical connections, protected view corridors, trails, and additional designated parks and open space.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]
SA-52.3 Identify additional opportunities to provide public access to American Lake within Tillicum.	<ul style="list-style-type: none"> <li>Considered in policies above.</li> </ul>	[REMOVED]



Original Goal/Policy	Rationale for Change	Final Goal/Policy
SA-52.4 Seek a method of providing alternate connection between Tillicum and the northern part of the City besides I-5.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
SA-52.5 Implement, and as necessary, update, the Tillicum Neighborhood Plan.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
<b>SA-54 Seek a smooth and efficient transition from residential to industrial use for American Lake Gardens.</b>	<ul style="list-style-type: none"> <li>▪ <b>Considered in policies above.</b></li> </ul>	<b>[REMOVED]</b>
SA-54.1 Monitor redevelopment plans and facilitate relocation assistance to residents as residential lands in American Lake Gardens convert to industrial uses in response to City-sponsored land use redesignation.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
SA-54.2 Protect adjacent residential uses outside the City, including those associated with JBLM, from the impacts of industrial redevelopment through appropriate buffering measures.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
SA-54.3 Seek a means of promoting sewer extension to Woodbrook either as a integral part of or in order to spur industrial redevelopment.	<ul style="list-style-type: none"> <li>▪ Considered in policies above.</li> </ul>	[REMOVED]
<b>SA-53 Improve the quality of life for residents of Springbrook.</b>	<ul style="list-style-type: none"> <li>▪ <b>This goal and the associated policies should be incorporated into a future subarea plan or other document. Given the general nature of the policies and objectives and the specific focus on only one CoMI, this has been removed for now but should be considered later.</b></li> </ul>	<b>[REMOVED]</b>
SA-53.1 Promote higher residential densities in the Springbrook Center of Municipal Importance (CoMI).	<ul style="list-style-type: none"> <li>▪ Removed in current plan as noted above.</li> </ul>	[REMOVED]
SA-53.2 Protect residential areas in Springbrook from highway impacts through additional buffering measures, including acquiring open space easements adjacent to I-5.	<ul style="list-style-type: none"> <li>▪ Removed in current plan as noted above.</li> </ul>	[REMOVED]
SA-53.3 Protect the riparian habitat and water quality of the portions of Clover Creek flowing through Springbrook with riparian setbacks and other methods.	<ul style="list-style-type: none"> <li>▪ Removed in current plan as noted above.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
SA-53-4 Seek opportunities to provide public access to the portions of Clover Creek within Springbrook to better interrelate the neighborhood and natural environment.	▪ Removed in current plan as noted above.	[REMOVED]

# 12 Transportation

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>T-9: Provide a balanced, multimodal transportation system that supports the safe and efficient movement of people and goods.</b>		<b>TR-1 Provide a balanced, multimodal transportation system for the safe and efficient movement of people and goods.</b>
T-9.1: Provide for the needs of drivers, public transportation vehicles and patrons, bicyclists, and pedestrians of all ages and abilities in the planning, programming, design, construction, reconstruction, operations, and maintenance of the City's transportation system.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-1.1 Plan, develop, and maintain transportation infrastructure to meet the needs of all users, including drivers, transit riders, bicyclists, and pedestrians of varying ages and abilities.
T-9.2: Minimize the negative impacts of transportation improvement projects on low-income, minority, and special needs populations.	<ul style="list-style-type: none"> <li>▪ Minor edits.</li> </ul>	TR-1.2 Minimize the negative impacts of transportation improvements on low-income, disadvantaged, and special needs groups, as well as youth and older adults.
T-9.3: Ensure mobility choices for people with special transportation needs, including persons with disabilities, the elderly, the young, and low-income populations.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> <li>▪ Combined with previous T-12.2</li> </ul>	TR-1.3 Increase availability and accessibility of alternative transportation modes like walking, biking, carpooling, and public transit, focusing on those without personal vehicles or with mobility needs.
<b>T-10: Ensure Lakewood's transportation system is designed to enable comprehensive, integrated, safe access for all users of all ages and abilities including pedestrians, bicyclists, motorists, transit riders and operators, and truck operators.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	<b>TR-2 Ensure Lakewood's transportation system is designed for comprehensive, integrated, and safe access for all users of all ages, abilities, and transportation modes, including pedestrians, bicyclists, motorists, transit riders and operators, and truck operators.</b>
T-11: Define all streets according to the following criteria: <ul style="list-style-type: none"> <li>▪ Principal arterials;</li> <li>▪ Minor arterials;</li> <li>▪ Collector arterials; and</li> <li>▪ Local access roads.</li> </ul> <b>(note additional text deleted)</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-2.1 Classify all streets according to the following classification for policy and planning: <ul style="list-style-type: none"> <li>▪ Principal arterials;</li> <li>▪ Minor arterials;</li> <li>▪ Collector arterials; and</li> <li>▪ Local access roads.</li> </ul>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-10.1: The Lakewood Engineering Design Standards is the primary vehicle for executing the Complete Streets Objective and should include standards for each roadway classification to guide implementation.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-2.2 Maintain the Lakewood Engineering Design Standards to provide standards for each roadway classification to guide implementation and attain the Complete Streets Objective.
T-10.2: Context and flexibility in balancing user needs shall be considered in the design of all projects and if necessary, a deviation from the Lakewood Engineering Design Standards may be granted to ensure the Complete Streets Objective and supporting policies are achieved.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-2.3 Permit flexibility in adhering to the Lakewood Engineering Design Standards by considering context and user needs, ensuring alignment with relevant goals and policies.
<b>T-1: Apply the street functional classification system and transportation design standards in the construction of new or upgraded transportation infrastructure.</b>	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> <li>Downgrade to policy with T-10 as a new top-level goal.</li> </ul>	TR-2.4 Apply the functional classification system and transportation design standards to direct the development of new and upgraded transportation infrastructure.
T-1.2: Design transportation facilities to fit within the context of the built or natural environments in which they are located.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-2.5 Ensure transportation facilities are designed to harmonize with adjacent built and natural environments.
T-1.3: Adopt a street light placement policy that establishes the level and type of lighting that must be provided in conjunction with new development and redevelopment, including pedestrian-oriented lighting in targeted areas.	<ul style="list-style-type: none"> <li>Change to "maintain".</li> <li>Edited for clarity/brevity.</li> </ul>	TR-2.6 Implement and uphold a street light placement policy for new and redeveloped areas, focusing on pedestrian-friendly lighting in specified zones.
[NEW]	<ul style="list-style-type: none"> <li>An ADA Transition Plan is required under RCW 36.70A.070(6)(a)(iii)(G).</li> </ul>	TR-2.7 Develop an ADA Transition Plan to identify and remove barriers to access for individuals with disabilities.
<b>T-3: Maximize transportation connections without negatively impacting residential areas.</b>	<ul style="list-style-type: none"> <li><b>Edited for clarity/brevity.</b></li> </ul>	<b>TR-3 Enhance transportation connectivity while minimizing impacts to residential and mixed-use areas.</b>
T-3.1: Delineate key street connections through undeveloped parcels to ensure that connections are made as development occurs.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-3.1 Plan for street connections through undeveloped parcels to ensure integration with future development.
T-3.2: Where practical, connect public streets to enable local traffic to circulate efficiently and to reduce impacts elsewhere in the transportation network.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> <li>Added multimodal transportation to the policy.</li> </ul>	TR-3.2 Connect public streets to improve multimodal connections and reduce impacts elsewhere in the transportation network.
T-3.3: Where practical, require new development to "stub out" access to adjacent undeveloped parcels to ensure future connectivity, indicating the future connection on the face of the plat, and (when possible) connect with existing road ends.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-3.3 Require that new developments include access to adjacent undeveloped land to facilitate future connectivity where feasible.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-3.4: Accommodate pedestrian and bicycle connections where grades, right-of-way (ROW) widths, or other natural or built environment constraints have precluded street connections from being implemented.	<ul style="list-style-type: none"> <li>Minor change.</li> </ul>	TR-3.4 Provide for pedestrian and bicycle pathways in areas where terrain, right-of-way limitations, or other constraints prevent street connections.
<b>T-19: Apply standardized performance measurement criteria to monitor transportation LOS and maintain concurrency.</b>	<ul style="list-style-type: none"> <li><b>Edited for clarity.</b></li> <li><b>Includes multimodal transportation.</b></li> </ul>	<b>TR-4 Use standard criteria to monitor levels of service for multimodal transportation.</b>
T-19.1: Monitor road performance using the Highway Capacity Manual's standardized LOS criteria. [additional explanatory text]	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-4.1 Use the latest Highway Capacity Manual's LOS criteria to assess road performance.
[NEW]	<ul style="list-style-type: none"> <li>This is based on the policies formerly included under T-20, below.</li> </ul>	TR-4.2 Set LOS and volume-to-capacity (V/C) ratio thresholds for arterials and intersections to maintain transportation concurrency.
T-19.3: Work toward developing multimodal LOS and concurrency standards to include performance criteria for transit, pedestrian, and bicycle facilities.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> <li>Shifted up in order to coordinate document flow.</li> </ul>	TR-4.3 Maintain multimodal LOS and concurrency standards for transit, pedestrian, and bicycle facilities.
T-19.2: Collaborate with adjacent jurisdictions to develop appropriate LOS standards where roadway centerlines serve as a jurisdictional boundary.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-4.4 Work with neighboring jurisdictions to provide consistent LOS standards for shared roadways.
T-19.4: Manage arterial operations and improvements such that transit LOS standards, as defined by the local and regional transit providers, can be maintained.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-4.5 Coordinate arterial operations and enhancements to meet transit LOS standards set by local and regional transit authorities.
T-19.5: Seek multimodal mitigation measures as part of the development review to improve or construct multimodal facilities to address LOS impacts.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-4.6 Incorporate multimodal mitigation strategies in development reviews to address LOS impacts.
[NEW]	<ul style="list-style-type: none"> <li>Added based on T-20.5 below.</li> </ul>	TR-4.7 Allow deviations from LOS standards at two-way and one-way stop-controlled intersections after thorough operational and safety evaluations.
<b>T-21: Use traffic management strategies and land use regulations to protect street and network LOS standards.</b>	<ul style="list-style-type: none"> <li>Edited for clarity.</li> <li>Include a consideration of T-21.2.</li> </ul>	TR-4.8 Align land use policies with street and network LOS standards, incorporating traffic management approaches and promoting development in areas meeting LOS criteria.
<b>T-4: Balance the need for property access with safety considerations.</b>	<ul style="list-style-type: none"> <li><b>Edited for brevity.</b></li> </ul>	<b>TR-5 Ensure safe and accessible connections to properties.</b>

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
T-4.1:	Limit access as necessary to maintain safe and efficient operation of the existing street system while allowing reasonable access to individual parcels.	▪ Edited for clarity.	TR-5.1	Restrict street access as needed to ensure the safe and efficient operation of the existing system while allowing reasonable regular access.
T-4.2:	Limit direct access onto arterials when access opportunities via another route exist.	▪ Edited for brevity.	TR-5.2	Limit direct arterial access when alternative routes are available.
T-4.3:	Provide for full access to parcels abutting local residential streets, except where adequate alley access exists to individual lots.	▪ Edited for clarity/brevity.	TR-5.3	Provide full access to properties along local residential streets unless sufficient alley access is present.
T-4.4:	Discourage abandonment of alleys.	▪ Minor change for clarification.	TR-5.4	Discourage the abandonment of full-length alleys.
T-4.5:	Work with adjacent jurisdictions to establish consistent access limitations to arterials and highways of regional transportation importance.	▪ Edited for clarity/brevity.	TR-5.5	Collaborate with neighboring jurisdictions to standardize access restrictions to arterials and highways of regional importance.
T-4.6:	Ensure emergency responders have efficient access to public and private properties.	▪ Edited for clarity/brevity.	TR-5.6	Facilitate efficient access for emergency responders to public and private properties.
<b>T-5:</b>	<b>Manage traffic to minimize its impact on neighborhoods, mobility, and enterprise.</b>	▪ <b>Edited for clarity/brevity.</b>	<b>TR-6</b>	<b>Manage traffic to minimize its effects on neighborhoods, residents, visitors, and businesses.</b>
T-12.1:	Prevent automobiles from dominating neighborhood and central business districts, while still accommodating their use.	▪ Edited for clarity/brevity.	TR-6.1	Decrease dependence on automobiles in neighborhoods and Downtown while accommodating their use.
T-5.1:	Maintain optimal traffic signal timing and synchronization along arterials and other principal transportation routes to ensure smooth traffic flow as well as pedestrian safety at crossings.	▪ Edited for clarity/brevity.	TR-6.2	Maintain smooth traffic flow and pedestrian safety on arterials and major transport routes through operational changes such as optimal timing and synchronization of traffic signals.
T-5.2:	Prior to any street reclassifications, conduct an analysis of existing street configurations, land uses, subdivision patterns, location(s) of structure(s), impact on neighborhoods, and transportation network needs.	▪ Edited for clarity/brevity.	TR-6.3	Conduct an analysis of existing conditions prior to any street reclassifications to substantiate the rationale for the change.
T-5.3:	Upgrading residential streets to collector and arterial classifications will be discouraged and will occur only when a significant community-wide need can be identified.	▪ Edited for clarity/brevity.	TR-6.4	Limit the change of residential streets to collector or arterial classifications, except in cases of significant community-wide need.
<b>T-6:</b>	<b>Reduce the impact of freight routing on residential and other sensitive land uses.</b>	▪ Adjusted to a policy.	TR-6.5	Reduce the effects of freight traffic on residential areas and other sensitive land uses.
T-6.1:	Designate truck routes for freight.	▪ Removed as this is incorporated under the policy above.	[REMOVED]	



Original Goal/Policy		Rationale for Change	Final Goal/Policy	
T-6.2:	Require new development and redevelopment to provide for freight loading and unloading on-site or in designated service alleys rather than in the public ROWs.	<ul style="list-style-type: none"> <li>Removed as this is incorporated under the policy above.</li> </ul>	[REMOVED]	
[NEW]		<ul style="list-style-type: none"> <li>Added from the previous Goal T-8 below.</li> </ul>	TR-6.6	Reduce the visual and noise impacts of roadways on neighboring properties and users.
<b>T-7:</b>	<b>Sustain and protect the City's investment in the existing transportation network.</b>	<ul style="list-style-type: none"> <li><b>Edited for clarity.</b></li> </ul>	<b>TR-7</b>	<b>Protect the city's investment in current and future through sustainable maintenance and preservation.</b>
T-7.1:	Maintain streets at the lowest life cycle cost (the optimum level of street preservation required to protect the surfaces).	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-7.1	Coordinate street preservation and maintenance tasks to reduce life-cycle costs.
T-7.2:	Maintain sidewalks to ensure continuous and safe connections.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-7.2	Construct and maintain sidewalks to provide continuous and safe connections.
T-13.11:	Coordinate with service providers and other utilities using rights-of-way on the timing of improvements to reduce impacts to communities and to lower the cost of improvements.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-7.3	Align significant utility projects with roadway maintenance and preservation scheduling to lessen neighborhood disruption and costs.
T-7.3:	Ensure predictable sources of income to maintain the transportation system.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-7.4	Secure sustainable funding sources for the preservation and maintenance of the transportation system.
<b>T-8:</b>	<b>Minimize visual and noise impacts of roadways on adjacent properties and other users.</b>	<ul style="list-style-type: none"> <li><b>Added above and removed as a goal.</b></li> </ul>	[REMOVED]	
T-8.1:	Create and apply standards for planting strips, including street trees, between road edges and sidewalks to be applied to various road classifications.	<ul style="list-style-type: none"> <li>Removed as overly broad/operational.</li> </ul>	[REMOVED]	
T-8.2:	Create and apply standards for landscaped islands and medians to break up linear expanses.	<ul style="list-style-type: none"> <li>Removed as overly broad/operational.</li> </ul>	[REMOVED]	
<b>T-10:</b>	<b>Minimize traffic growth and its impacts to meet state, regional, and local environment and sustainability goals.</b>	<ul style="list-style-type: none"> <li><b>Minor edits.</b></li> </ul>	<b>TR-8</b>	<b>Reduce traffic to meet state, regional, and city environmental and sustainability goals.</b>
<b>T-12:</b>	<b>Decrease dependence on single-occupant vehicles (SOVs) as a primary means of transportation.</b>	<ul style="list-style-type: none"> <li>Changed to policy.</li> </ul>	TR-8.1	Decrease reliance on single-occupant vehicles for regular travel.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-12.4: For the Lakewood Regional Growth Center, reduce the work-related SOV trip mode share from 83 percent (year 2010) to 70 percent by 2030 through coordinated improvements to HOV, transit, and non-motorized facilities within this area.	<ul style="list-style-type: none"> <li>▪ Edited to provide a more focused statement.</li> <li>▪ Shifted to this section as a better fit for the goal.</li> </ul>	TR-8.2 Reduce the work-related SOV trip mode share for the Lakewood Regional Growth Center (Downtown) to 65% by 2044.
T-10.1: Require TDM improvements serving pedestrians, bicyclists, and transit riders as impact mitigation for new development.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	TR-8.3 Require Transportation Demand Management (TDM) improvements serving pedestrians, bicyclists, and transit riders as impact mitigation for new development.
<b>T-11: Reduce dependence on SOV use during peak commute hours.</b> <b>(additional text)</b>	<ul style="list-style-type: none"> <li>▪ Folded into the goal above to reduce redundancy.</li> </ul>	TR-8.4 Implement comprehensive commute trip reduction (CTR) strategies in collaboration with local businesses, transit agencies, and other entities to decrease traffic.
T-11.5: Implement a local public awareness and education program designed to promote the environmental and social benefits of TDM strategies.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-8.5 Promote local CTR and TDM programs through targeted public awareness and education, especially for specific groups like teenagers and college students.
T-11.6: Work with local high schools to educate students about the social benefits of walking, biking, carpooling and riding transit to school.	<ul style="list-style-type: none"> <li>▪ Redundant with above, as this would appear to be a special case of a public education campaign.</li> </ul>	[REMOVED]
T-11.7: Plan and implement arterial HOV improvements such as HOV lanes or transit-signal priority improvements at intersections to connect high-density employment centers with bus transit centers and commuter rail stations.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-8.6 Provide HOV-focused improvements on arterials to link high-density employment areas with transit hubs, bus rapid transit, and commuter rail stations.
[NEW]	<ul style="list-style-type: none"> <li>▪ Include from T-17.</li> </ul>	TR-8.7 Expand park-and-ride facilities for commuter rail and other transit in partnership with Pierce Transit, Sound Transit, and other potential parking providers.
T-10.2: Where practical, retrofit existing streets to link neighborhoods and disperse neighborhood access to services.	<ul style="list-style-type: none"> <li>▪ Redundant with T-3.2.</li> </ul>	[REMOVED]
T-10-3: Interconnect traffic signals to provide green light progressions through high-volume corridors to maximize traffic flow efficiency during peak commute periods.	<ul style="list-style-type: none"> <li>▪ Removed as overly broad/operational.</li> </ul>	[REMOVED]
T-10-4: Consider the negative effects of transportation infrastructure and operations on the climate and natural environment.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	TR-8.8 Minimize the impacts of transportation infrastructure on the environment and climate

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-10-5: Support the development and implementation of a transportation system that is energy efficient and improves system performance.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	TR-8.9 Enhance the energy efficiency and overall performance of the transportation system.
T-11.1: Establish CTR programs within major employer worksites as required by state law.	<ul style="list-style-type: none"> <li>▪ Folded into the broader CTR policy as an operational detail.</li> </ul>	[REMOVED]
T-11.2: Work with Pierce Transit, Pierce County and major employers and institutions to coordinate and publicize CTR efforts.	<ul style="list-style-type: none"> <li>▪ Folded into the broader CTR policy as an operational detail.</li> </ul>	[REMOVED]
T-11.3: Encourage employers not affected by the CTR law (less than 100 employees) to offer CTR programs to their employees on a voluntary basis and assist these employers with tapping into larger employers' ride matching/ridesharing and other HOV/transit incentive programs, where possible.	<ul style="list-style-type: none"> <li>▪ Folded into the broader CTR policy as an operational detail.</li> </ul>	[REMOVED]
T-11.4: Encourage large employers to institute flex-hour or staggered-hour scheduling and compressed work weeks to reduce localized congestion during peak commute times.	<ul style="list-style-type: none"> <li>▪ Folded into the broader CTR policy as an operational detail.</li> </ul>	[REMOVED]
T-12.2: Maximize the availability of non-SOV transportation options to encourage people to use different modes.	<ul style="list-style-type: none"> <li>▪ Redundant with current TR-1 policies.</li> </ul>	[REMOVED]
T-12.3: Work with Pierce Transit to implement transit signal-priority systems that enhance the reliability of transit as an alternative transportation mode.	<ul style="list-style-type: none"> <li>▪ Folded into other coordination policies as an operational detail.</li> </ul>	[REMOVED]
<b>T-14: Provide safe, convenient, inviting routes for bicyclists and pedestrians (see adopted Non-Motorized Transportation Plan).</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> <li>▪ Includes provisions from RCW 36.70A.070(6)(a)(vii).</li> </ul>	<b>TR-9 Enhance safe, convenient, and inviting routes for active transportation such as walking and cycling to promote accessibility and healthy living.</b>
T-14.1: Implement and place a high importance on projects identified in the City's Non-Motorized Transportation Plan that serve and connect high density areas, major employers, schools, parks, shopping areas, and other popular destinations.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-9.1 Implement projects from the city's Non-Motorized Transportation Plan (NMTP) to link high-density areas with key destinations such as workplaces, schools, parks, and shopping centers.
T-14.2: Promote and improve public bicycle and pedestrian connections to achieve greater connectivity.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-9.2 Improve bicycle and pedestrian connections for greater connectivity.
T-14.3: Balance the desirability of breaking up large blocks with midblock crossings with the safety needs of pedestrians.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-9.3 Provide safe midblock crossings for pedestrians where possible.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-14.4: Require the incorporation of non-motorized facilities including bicycle parking, pedestrian-scale lighting, benches, and trash receptacles into new development designs.	▪ Edited for clarity/brevity.	TR-9.4 Require non-motorized transportation improvements such as bicycle parking/lockers and streetscape upgrades as part of new development.
T-14.5: Work with transit providers to provide bike racks and/or lockers at key transit stops and require them as condition of new development.	▪ Note that this requirement specifically focuses on transit agencies.	TR-9.5 Coordinate with transit providers to encourage multimodal “first mile/last mile” connections with supporting improvements like bike racks and lockers.
T-14.6: Coordinate with adjacent jurisdictions to design for coherent bike and pedestrian corridors.	▪ Edited for clarity/brevity.	TR-9.6 Collaborate with neighboring jurisdictions to maintain consistent bike and pedestrian corridor planning and standards.
T-14.7: Adopt a “Complete Streets” ordinance.	▪ Removed as redundant as currently adopted.	[REMOVED]
T-14.8: Take positive steps to improve traffic safety at high accident and/or injury locations.	▪ Edited for clarity/brevity.	TR-9.7 Prioritize traffic safety improvements at locations with high accident rates.
<b>T-15: Provide adequate parking that serves Lakewood's needs but does not encourage a continuation of auto-oriented development and travel patterns.</b>	▪ Edited for clarity/brevity.	<b>TR-10 Ensure parking supplies meet local demand while promoting alternative modes of transportation.</b>
T-15.1: Develop and implement reasonable and flexible parking standards for various types of land uses that balance the need for providing sufficient parking with the desirability of reducing commute traffic.	▪ Edited for clarity/brevity.	TR-10.1 Establish flexible parking regulations to balance the need for adequate parking with objectives to decrease traffic.
T-15.2: Consider parking standards that support TDM efforts.	▪ Edited for clarity/brevity.	TR-10.2 Integrate Transportation Demand Management (TDM) considerations in parking regulations and planning.
T-15.3: Allow adjacent or nearby uses that have different peak parking demands such as employment and housing to facilitate shared parking spaces.	▪ Edited for clarity/brevity.	TR-10.3 Permit the use of shared parking for different activities that have varying peak parking needs.
T-15.4: Recognize the capacity of transit service in establishing parking standards.	▪ Edited for clarity/brevity.	TR-10.4 Consider transit service availability when setting parking standards.
T-15.5: Develop and enforce parking lot design standards, identifying requirements for landscaping, walkways, runoff treatment, parking area ratios, lighting, and other elements as needed.	▪ Edited for clarity/brevity.	TR-10.5 Implement parking lot design guidelines that minimize aesthetic, environmental, and public safety impacts.
<b>T-16: Foster the evolution of a Downtown that is compact and walkable and not defined by large expanses of parking lots.</b>	▪ Edited for clarity/brevity.	<b>TR-11 Promote a walkable, pedestrian-friendly Downtown.</b>

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-16.1: Implement the Downtown Subarea Plan through the Downtown Subarea Code and Planned Action.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-11.1 Implement transportation-related components of the Downtown Subarea Plan.
T-16.2: Consider maximum parking requirements for higher density areas to encourage alternative transportation modes.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	TR-11.2 Consider maximum parking requirements in high-density areas well-served by high-capacity transit to encourage alternative transportation modes.
T-16.3: Confine the location of parking areas to the rear of properties to increase pedestrian safety and minimize visual impact.	<ul style="list-style-type: none"> <li>▪ Combined with following policy.</li> </ul>	[REMOVED]
T-16.4: Identify places where on-street parking can be added adjacent to street-facing retail to encourage shopping and buffer sidewalks with landscaping to create a pleasant walking environment.	<ul style="list-style-type: none"> <li>▪ Combined with previous policy and edited.</li> </ul>	TR-11.3 Create a pleasant and safe walking and biking environment by regulating the placement of on- and off-site parking and managing streetscape design.
T-16.5: Encourage the use of structured or underground parking to use land more efficiently.	<ul style="list-style-type: none"> <li>▪ Edited to focus on the objective.</li> </ul>	TR-11.4 Encourage structure or underground parking to reduce surface parking footprints.
T-16.6: Focus investments in downtown central business areas by promoting joint- and mixed use development and integrating shared-use parking practices.	<ul style="list-style-type: none"> <li>▪ Edited to focus on the objective.</li> </ul>	TR-11.5 Encourage joint and shared parking solutions, particularly for mixed-use developments in Downtown.
T-16.7: Incorporate regional transportation guidelines into planning for centers and high-capacity transportation station areas.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	TR-11.6 Integrate regional transportation standards into the planning of centers and areas around high-capacity transit stations.
<b>T-17: Expand park-and-ride capacity to serve rail as well as other transit uses and accommodate growth.</b>	<ul style="list-style-type: none"> <li>▪ <b>Included above for multimodal capacity.</b></li> </ul>	<b>[REMOVED]</b>
T-17.1: Work with transit providers to establish additional park-and-ride facilities to serve Sound Transit operations and to facilitate ridesharing and express bus connections.	<ul style="list-style-type: none"> <li>▪ Removed as an operational detail and incorporated into policy.</li> </ul>	[REMOVED]
T-17.2: Encourage commercial development on major transit routes to dedicate unused parking area to park- and-ride facilities where feasible.	<ul style="list-style-type: none"> <li>▪ Removed as an operational detail and incorporated into policy.</li> </ul>	[REMOVED]
<b>T-18: Plan for location of freight routing in conjunction with placement of industrial, commercial, and other land uses to maintain and improve commercial transportation and mobility access.</b>	<ul style="list-style-type: none"> <li>▪ <b>Edited for clarity/brevity.</b></li> </ul>	<b>TR-12 Align freight transportation planning by road and rail with industrial, commercial, and other land uses.</b>

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T-18.1:	Install directional signage for truck routes through key areas of the city.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-12.1 Ensure clear signage for truck routes, especially in key areas of the city.
T-18.2:	Consider potential freight movement needs of new development as part of SEPA review.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-12.2 Assess potential freight movement requirements in the SEPA review process for new developments.
T-18.3:	Create development standards for freight access to commercial uses likely to possess such needs.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-12.3 Consider freight access needs in commercial and industrial development standards where relevant.
T-18.4:	As industrial uses concentrate into certain areas, identify ways to eliminate the conflict among freight users this may tend to create.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> <li>Incorporates T-18.8.</li> </ul>	TR-12.4 Identify and address potential conflicts between freight route users with solutions such as separating at-grade rail lines from arterials.
T-18.5:	Promote the continued operation of existing rail lines to serve the transportation needs of Lakewood businesses and Joint Base Lewis-McChord.	<ul style="list-style-type: none"> <li>Minor edit.</li> </ul>	TR-12.5 Advocate for the continued use of existing rail lines to serve the transportation needs of Lakewood businesses and Joint Base Lewis-McChord.
T-18.6:	Support reconstruction of the I-5/SR 512 interchange to improve access to the Lakewood Industrial Park.	<ul style="list-style-type: none"> <li>Removed after completion.</li> </ul>	[REMOVED]
T-18.7:	Support new access and infrastructure improvements to American Lake Gardens that facilitate industrial development.	<ul style="list-style-type: none"> <li>Removed after completion.</li> </ul>	[REMOVED]
T-18.8:	Explore future opportunities to grade separate rail traffic from street arterials where significant safety hazards or traffic congestion warrant.	<ul style="list-style-type: none"> <li>Included as part of previous policy above.</li> </ul>	[REMOVED]
T-18.9:	The City discourages increased freight traffic along this corridor that is above and beyond the activity already in place and does not have a destination within Lakewood or Joint Base Lewis-McChord. With the opening of the Point Defiance Bypass project in support of Amtrak passenger rail coupled with increasing demands on freight rail, there is concern that the Point Defiance Bypass project could eventually lead to increased freight traffic in addition to new passenger rail.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-12.6 Discourage increased freight rail traffic beyond current levels of activity without sufficient mitigation of impacts.
<b>T-20:</b>	<b>Adopt the following arterial and intersection LOS thresholds for maintaining transportation concurrency on arterial streets in Lakewood.</b>	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	[REMOVED]



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T-20.1: Maintain LOS D with a V/C ratio threshold of 0.90 during weekday PM peak hour conditions on all arterial streets and intersection in the city, including state highways of statewide significance except as otherwise identified.	<ul style="list-style-type: none"> <li>As the LOS and V/C standards have been reallocated to action items, this should simply highlight the need for these standards for all roadways.</li> </ul>	[REMOVED]
T-20.2: Maintain LOS D during weekday PM peak hour conditions at all arterial street intersections in the city, including state highways of statewide significance except as otherwise identified.		[REMOVED]
T-20.3: Maintain LOS F with a V/C ratio threshold of 1.10 in the Steilacoom Boulevard corridor between 88th Street SW and 83rd Avenue SW.		[REMOVED]
T-20.4: Maintain LOS F with a V/C ratio threshold of 1.30 on Gravelly Lake Drive between 1-5 and Washington Boulevard SW and Washington Boulevard SW, west of Gravelly Lake Drive.		[REMOVED]
T-20.5: The City may allow two-way and one-way stop-controlled intersections to operate worse than the LOS standards. However, the City requires that these instances be thoroughly analyzed from an operational and safety perspective.	<ul style="list-style-type: none"> <li>Removed here but this policy is added under TR-19 above.</li> </ul>	[REMOVED]
<b>T-21: Use traffic management strategies and land use regulations to protect street and network LOS standards.</b>	<ul style="list-style-type: none"> <li><b>Removed as a goal and included as a policy above.</b></li> </ul>	[REMOVED]
T-21.1: Establish mitigation requirements for new development where LOS is expected to fall below acceptable standards as a result of that development.	<ul style="list-style-type: none"> <li>Redundant with TR-19.6 above.</li> </ul>	[REMOVED]
T-21.2: Limit new development to areas where LOS standards can be maintained and restrict development in areas where they cannot be maintained.	<ul style="list-style-type: none"> <li>Folded into broader policy above.</li> </ul>	[REMOVED]
T-21.3: Use road widening only as a last resort to address LOS deficiencies, except in areas where roadways are substandard and improving them to standards would increase their contribution to overall LOS.	<ul style="list-style-type: none"> <li>Removed as an operational detail.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-21.4: Ensure that Comprehensive Plan amendments, rezones, master plans, conditional uses, and other significant land use proposals are reviewed with consideration of the proposal's impact on street LOS standards.	<ul style="list-style-type: none"> <li>Redundant as these considerations would be included due to this Element.</li> </ul>	[REMOVED]
<b>T-2: Maintain maximum consistency with state, regional, and local plans and projects.</b>	<ul style="list-style-type: none"> <li><b>Edited for clarity/brevity.</b></li> </ul>	<b>TR-13 Maintain consistency with state, regional, and local transportation plans and projects.</b>
T-2.1: Coordinate with the state, county, adjacent jurisdictions, and transit providers to ensure consistency between transportation improvements, land-use plans, and decisions of the City and other entities, consistent with PSRC's Regional Growth Strategy. Priority shall be given to funding for transportation infrastructure and capital facilities investments in the City's designated Regional Growth Center and in designated Centers of Municipal Importance.	<ul style="list-style-type: none"> <li>Separated for clarity/brevity.</li> </ul>	TR-13.1 Coordinate with state and county authorities, neighboring jurisdictions, and transit providers to align transportation improvements, land use plans, and decision-making processes.
[NEW]	<ul style="list-style-type: none"> <li>Separated from above.</li> </ul>	TR-13.2 Ensure transportation planning in Lakewood is consistent with the PSRC Regional Growth Strategy and Regional Transportation Plan.
[NEW]	<ul style="list-style-type: none"> <li>Separated from above and edited for clarity.</li> </ul>	TR-13.3 Prioritize funding for transportation infrastructure and capital facilities investments in: <ul style="list-style-type: none"> <li>the city's designated Regional Growth Center,</li> <li>adopted subarea boundaries,</li> <li>areas where historically disadvantaged populations have been disproportionately impacted, and</li> <li>designated Centers of Municipal Importance (COMIs).</li> </ul>
T-2.2: Continue to participate in regional transportation planning to develop and upgrade long-range transportation plans.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-13.4 Engage in regional transportation planning efforts to develop and refine long-range strategies.
T-2.3: Periodically review the street classification system with adjacent jurisdictions to ensure consistency.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-13.5 Regularly review the street classification system with adjacent jurisdictions to ensure consistency.
T-2.4: Support and actively participate in improvements to I-5 through Lakewood and JBLM, and pursue safe connections to the local community.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> <li>Combined with the following policy.</li> </ul>	TR-13.6 Support improvements to I-5 that promote safe connections between the highway and local communities.

## 12 Transportation // Lakewood Comprehensive Plan Audit

Original Goal/Policy	Rationale for Change	Final Goal/Policy
T-2.5: Work with WSDOT to identify and implement improvements to the I-5/SR 512 interchange.	<ul style="list-style-type: none"> <li>Redundant with previous policy.</li> </ul>	[REMOVED]
<b>T-13: Develop and maintain collaborative working relationships with outside agencies to improve the transportation system.</b>	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	<b>TR-14 Improve the transportation system through collaborative efforts with other agencies and organizations.</b>
T-13.1: Involve appropriate agencies in the early review of development proposals to assess opportunities for transit-oriented design and amenities.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-14.1 Engage transportation agencies early in development proposal reviews to identify transit-oriented design and amenity opportunities.
T-13.2: Support regional and high-capacity transit systems (e.g., buses and rail) that reliably and efficiently connect to local transit services.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	TR-14.2 Advocate for and assist in the integration of regional and high-capacity transit systems with local transit services.
T-13.3: Coordinate with transit agencies to provide facilities and services supportive of HOV use such as ridematching, provision of vanpool vehicles, on-demand services, shuttles, etc.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-14.3 Partner with transit agencies to support ride matching, vanpooling, micro-transit, paratransit, and other HOV transportation.
T-13.4: Coordinate with transit agencies to determine and respond to emerging routing and frequency needs, particularly in residential neighborhoods.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-14.4 Work with transit agencies to address requirements from new transit routes and frequencies, especially in residential areas and high-traffic corridors.
T-13.5: Work with transit agencies to develop design and placement criteria for shelters so that they best meet the needs of users and are a positive amenity.	<ul style="list-style-type: none"> <li>Remove as operational as it should be included in implementation.</li> </ul>	[REMOVED]
T-13.6: Work with WSDOT to pursue HOV lanes on I-5 and SR 512 serving the city and regional transit operations.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-14.5 Work with WSDOT to accommodate HOV lanes on I-5 and SR 512 to meet the needs of the city and regional transit.
T-13.7: Allocate staff resources to work with other transportation government agencies in drafting and submitting joint applications for state and federal transportation grants to support projects that benefit multiple jurisdictions.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	TR-14.6 Pursue joint state and federal transportation grant applications with other jurisdictions on projects with mutual benefits.
T-13.8: Work with the Burlington Northern Santa Fe Railway, Sound Transit and other appropriate agencies to pursue funding for a grade separation at the 100th Street SW rail crossing.	<ul style="list-style-type: none"> <li>Remove as operational.</li> <li>Redundant with T-18.8.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>T-13.9: Explore local shuttle service between high density areas within the urban center such as the Lakewood Station district, Lakewood Towne Center, the Sound Transit commuter rail station, the Colonial Center, and other high-density developments with high transit ridership potential.</p>	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> <li>▪ Note that this should include paratransit, especially to accommodate mobility-challenged city residents.</li> </ul>	<p>TR-14.7 Investigate the potential for local shuttle, micro-transit, and paratransit services in high-density areas with significant ridership prospects.</p>
<p>T-13.10: Encourage ridesharing through requirements for parking reserved for carpool and vanpool vehicles in the zoning code.</p>	<ul style="list-style-type: none"> <li>▪ Remove as operational and redundant with other ridesharing and TDM/CTR policies.</li> </ul>	<p>[REMOVED]</p>
<p>T-13.12: Work with Sound Transit and WSDOT to pursue expansion of the existing SR-512 park-and-ride facility.</p>	<ul style="list-style-type: none"> <li>▪ Redundant with new TR-9.7.</li> </ul>	<p>[REMOVED]</p>
<p>T-13.13: Work with Pierce Transit to monitor transit service performance standards and to focus service expansion along high-volume corridors connecting high-density development centers with intermodal transfer points.</p>	<ul style="list-style-type: none"> <li>▪ Redundant with T-13.4.</li> </ul>	<p>[REMOVED]</p>

# 13 Urban Design

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>UD-6</b>	<b>Create distinct districts for commercial activity and promote character and improved aesthetic standards.</b>	<ul style="list-style-type: none"> <li>Revised to clarify role of urban design.</li> </ul>	<b>UD-1</b>	<b>Support a strong sense of community in neighborhood business districts with distinct urban identities, higher intensities of uses, and local amenities.</b>
UD-6.1	Establish design standards for commercial districts implemented through a design review process and design guidelines to reinforce a distinct character for individual commercial districts.	<ul style="list-style-type: none"> <li>Removed references to design standards and design review, as these can reduce development.</li> </ul>	UD-1.1	Establish development standards and design guidelines for districts that support high-quality urban design.
UD-6.2	Develop and enforce parking lot design standards, identifying requirements for landscaping, walkways, runoff treatment, parking area ratios, and other elements as needed.	<ul style="list-style-type: none"> <li>Removed. Can be addressed in the above goal.</li> </ul>	[REMOVED]	
[NEW]		<ul style="list-style-type: none"> <li>Based on LU-23.1.</li> </ul>	UD-1.2	Support a diverse mix of local activities in neighborhood business districts.
[NEW]		<ul style="list-style-type: none"> <li>Based on LU-23.3.</li> </ul>	UD-1.3	Facilitate placemaking and public art initiatives with community-based organizations.
<b>UD-7</b>	<b>Promote pedestrian-oriented development patterns within designated mixed-use commercial districts.</b>	<ul style="list-style-type: none"> <li>Removed to consolidate with previous goal.</li> </ul>	[REMOVED]	
UD-7.1	Foster pedestrian-oriented site design measures including items such as pedestrian amenities, pedestrian-oriented lighting, traffic calming devices, signage, and related measures.	<ul style="list-style-type: none"> <li>Shortened for clarity</li> </ul>	UD-1.4	Incorporate pedestrian-oriented site design measures and amenities to promote non-motorized linkages between mixed use districts and the existing open space network.
UD-7.2	Encourage the development of office and housing uses above retail in appropriate land use designations to permit living and working in the same neighborhood.	<ul style="list-style-type: none"> <li>Shortened for clarity and brevity</li> </ul>	UD-1.5	Encourage human-scale development of office and housing uses above retail in mixed-use areas and neighborhood business districts.
UD-7.3	Encourage the development of appropriately scaled commercial development that creates consistent street walls and limits parking on the primary street frontage.	<ul style="list-style-type: none"> <li>Redundant with the above goals</li> </ul>	[REMOVED]	
UD-7.4	Encourage pedestrian connections between buildings and across streets to public open space, and to adjoining areas.	<ul style="list-style-type: none"> <li>Combined with below goal</li> </ul>	[REMOVED]	

Original Goal/Policy	Rationale for Change	Final Goal/Policy
UD-7.5 Promote pedestrian linkages between mixed use districts and related neighborhoods through development of a green streets program.	<ul style="list-style-type: none"> <li>Shortened for clarity</li> </ul>	UD-1.6 Develop pedestrian linkages between neighborhood business districts, parks, open spaces, and adjoining neighborhoods.
UD-7.6 Promote pedestrian linkages between mixed use districts and the existing open space network.	<ul style="list-style-type: none"> <li>Combined with above goals</li> </ul>	[REMOVED]
[NEW]	<ul style="list-style-type: none"> <li>Adapt the previous UD-11.</li> </ul>	UD-1.7 Improve public safety through design guidelines.
<b>UD-5 Establish a system of gateways and civic boulevards to provide identity to the City, foster appropriate commercial uses, and enhance the aesthetic character of the City.</b>	<ul style="list-style-type: none"> <li>Changed “civic boulevards” to “corridors”.</li> </ul>	<b>UD-2 Establish a system of gateways and urban corridors to provide identity to the city, foster appropriate commercial uses, and enhance the aesthetic character of the city.</b>
UD-5.1 Provide appropriate design improvements to treat the following streets as civic boulevards: <ul style="list-style-type: none"> <li>the full length of Bridgeport Way;</li> <li>Gravelly Lake Drive from Nyanza Road to Steilacoom Boulevard;</li> <li>100th Street from Gravelly Lake Drive to S. Tacoma Way;</li> <li>S. Tacoma Way and Pacific Highway Southwest from the Tacoma City limits to Ponders Corner;</li> <li>112th Street from Nyanza Road to Bridgeport Way;</li> <li>N. Thorne Lane from I-5 to Portland Street;</li> <li>W. Thorne Lane between Portland Street and Union Avenue;</li> <li>Portland Street between N. Thorne Lane and W. Thorne Lane;</li> <li>Union Avenue from Berkeley Avenue to Spruce Street; and</li> <li>Spruce Street from Union Avenue to Portland Avenue.</li> </ul>	<ul style="list-style-type: none"> <li>Changed “civic boulevards” to “urban corridors”.</li> </ul>	UD-2.1 Provide appropriate design improvements to treat the following streets as urban corridors: <ul style="list-style-type: none"> <li>the full length of Bridgeport Way;</li> <li>Gravelly Lake Drive from Nyanza Road to Steilacoom Boulevard;</li> <li>100th Street from Gravelly Lake Drive to S. Tacoma Way;</li> <li>S. Tacoma Way and Pacific Highway Southwest from the Tacoma city limits to Ponders Corner;</li> <li>112th Street from Nyanza Road to Bridgeport Way;</li> <li>N. Thorne Lane from I-5 to Portland Street;</li> <li>W. Thorne Lane between Portland Street and Union Avenue;</li> <li>Portland Street between N. Thorne Lane and W. Thorne Lane;</li> <li>Union Avenue from Berkeley Avenue to Spruce Street; and</li> <li>Spruce Street from Union Avenue to Portland Avenue.</li> </ul>



Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>UD-5.2 Provide appropriate design improvements to treat the following intersections as major gateways:</p> <ul style="list-style-type: none"> <li>▪ South Tacoma Way at Tacoma City limits;</li> <li>▪ 84th Street at I-5;</li> <li>▪ SR 512/I-5 at South Tacoma Way;</li> <li>▪ Bridgeport Way at South Tacoma Way/I-5;</li> <li>▪ Nyanza Boulevard at I-5;</li> <li>▪ N. Thorne Lane at I-5;</li> <li>▪ Steilacoom Boulevard at City limits;</li> <li>▪ Berkeley Avenue SW at I-5;</li> <li>▪ Bridgeport Way at University Place City limits;</li> <li>▪ Bridgeport Way at Gravelly Lake Drive;</li> <li>▪ 100th Street at Gravelly Lake Drive; and</li> <li>▪ 100th Street at Bridgeport Way.</li> </ul>		<p>UD-2.2 Provide appropriate design improvements to treat the following intersections as major gateways:</p> <ul style="list-style-type: none"> <li>▪ South Tacoma Way at Tacoma city limits;</li> <li>▪ 84th Street at I-5;</li> <li>▪ SR 512/I-5 at South Tacoma Way;</li> <li>▪ Bridgeport Way at South Tacoma Way/I-5;</li> <li>▪ Nyanza Boulevard at I-5;</li> <li>▪ N. Thorne Lane at I-5;</li> <li>▪ Steilacoom Boulevard at city limits;</li> <li>▪ Berkeley Avenue SW at I-5;</li> <li>▪ Bridgeport Way at University Place city limits;</li> <li>▪ Bridgeport Way at Gravelly Lake Drive;</li> <li>▪ 100th Street at Gravelly Lake Drive; and</li> <li>▪ 100th Street at Bridgeport Way.</li> </ul>
[NEW]	<ul style="list-style-type: none"> <li>▪ Added from UD-12</li> </ul>	<p>UD-2.3 Implement additional gateway enhancement for Tillicum, Springbrook, and Woodbrook.</p>
<p><b>UD-1: Design streets and associated amenities so that they are an asset to the city.</b></p>	<ul style="list-style-type: none"> <li>▪ <b>Revised for clarity.</b></li> </ul>	<p><b>UD-3 Design streetscapes, nonmotorized pathways, and other rights-of-way as amenities and important public places.</b></p>
<p>UD-1.1: Provide attractive streetscapes with street trees and sidewalks, planting strips, shelters, benches, and pedestrian-scale lighting in appropriate locations.</p>	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	<p>UD-3.1 Provide attractive streetscapes and associated amenities, such as sidewalks, landscaping, benches, and lighting</p>
[NEW]	<ul style="list-style-type: none"> <li>▪ Adapted from old UD-15.2.</li> </ul>	<p>UD-3.2 Adopt NACTO Urban Street and Urban Bikeway design guides as guidelines.</p>
<p>UD-1.2: Clearly define and consistently apply a reasonable threshold for requiring developer improvements in development regulations.</p>	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	<p>UD-3.3 Establish thresholds for public right-of-way improvements to be conducted as part of development projects.</p>
<p>UD-1.3: Require sidewalks on both sides of all new streets, except local access streets in industrially designated areas that are not on existing or planned transit routes and where there is a low projected level of pedestrian traffic.</p>	<ul style="list-style-type: none"> <li>▪ Shortened for brevity.</li> <li>▪ Removed qualifiers on where new sidewalks can be built.</li> </ul>	<p>UD-3.4 Require sidewalks on both sides of all new streets.</p>

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UD-1.4: Design intersections to safely accommodate both pedestrian and vehicular traffic. Construct intersections with the minimum dimensions necessary to maintain LOSs and to meet emergency services needs, discouraging the construction of turning lanes where they would deter pedestrians.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity.</li> </ul>	UD-3.5 Design intersections to safely accommodate both pedestrian and vehicular traffic.
UD-1.5: Develop and apply appropriate traffic-calming tools to control traffic volume and speed through identified neighborhoods.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	UD-3.6 Develop and apply traffic-calming strategies to improve safety.
UD-1.6: Work with transit providers to incorporate transit stops and facilities at appropriate intervals along transit routes.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	UD-3.7 Work with transit providers to incorporate transit stops and facilities into streetscape planning.
UD-1.7: Include curb ramps for sidewalks at all intersections to assist wheelchairs, strollers, and cyclists.	<ul style="list-style-type: none"> <li>▪ Added more information about ADA</li> </ul>	UD-3.8 Include curb ramps for sidewalks at all intersections to assist wheelchairs, strollers, and cyclists to meet ADA requirements.
<b>LU-50 Recognize and support historically significant sites and buildings.</b>		<b>UD-4 Recognize and support historically significant sites and buildings.</b>
LU-50.1 Maintain an inventory of historic resources and a process for designating significant resources to guide preservation of significant properties and/or buildings.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity.</li> </ul>	UD-4.1 Keep an updated inventory of historic resources and maintain a process to guide the preservation of important properties and buildings.
LU-50.2 Provide for methods such as monuments, plaques, and design motifs to recognize and/or commemorate historic structures or uses.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity.</li> </ul>	UD-4.2 Provide monuments, plaques, and design motifs to recognize or commemorate historic structures and uses in the city.
LU-50.3 Support private individuals and groups working to preserve Lakewood's history through formal and informal liaisons.	<ul style="list-style-type: none"> <li>▪ Removed as redundant and confusing. [REMOVED]</li> </ul>	
<b>LU-64: Control the level of noise pollution in a manner that promotes the use, value, and enjoyment of property; sleep and repose; and a quality urban environment.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	<b>UD-5 Manage noise pollution to minimize nuisance and encourage a quality urban environment.</b>
LU-64.1: Protect residential neighborhoods from exposure to noise levels that interfere with sleep and repose through development regulations, noise attenuation programs, and code enforcement.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UD-5.1 Coordinate development regulations and noise attenuation programs to protect neighborhoods from excessive noise.
LU-64.2: Work with JBLM to minimize noise exposure at McChord Field and development of noise attenuation programs within the air corridors.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UD-5.2 Partner with JBLM to reduce noise impact from McChord Field and develop noise attenuation strategies for air corridors in the city.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
LU-64.3: Require new development along arterial streets, I-5, SR 512, and within the air corridors to include noise attenuation design and materials where necessary to minimize noise impacts from roadways and aircraft.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UD-5.3 Require noise attenuation in the design and materials of new developments along arterial streets, I-5, SR 512, and within air corridors to lessen impacts from roadway and aircraft noise.
LU-64.4: Work with the Washington State Department of Transportation (WSDOT) to mitigate freeway and highway noise, while addressing aesthetic concerns.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UD-5.4 Collaborate with WSDOT to address freeway and highway noise concerns, balancing noise reduction with aesthetic considerations.
LU-64.5: Work with the Washington State Department of Transportation (WSDOT) Rail Division, Sound Transit, Tacoma Rail, and/or Burlington Northern and Santa Fe to mitigate railroad noise, while addressing aesthetic concerns.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UD-5.5 Work with WSDOT Rail Division, Sound Transit, Tacoma Rail, and Burlington Northern and Santa Fe to mitigate railroad noise, considering both noise reduction and aesthetics.
LU-64.6: Integrate natural vegetation and design considerations in noise mitigation and attenuation projects to promote aesthetic concerns.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	UD-5.6 Integrate natural vegetation and design elements in noise mitigation and attenuation projects to enhance effectiveness and visual appeal.
<b>UD-3 Employ design standards to ease the transition of scale and intensity between abutting residential uses and between residential areas and other uses.</b>	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	<b>UD-6 Ensure smooth transitions of land uses in scale and intensity between abutting neighborhoods and other uses.</b>
UD-3.1 Use buffers, landscaping, and building design and placement to ease the transition of scale and intensity between abutting residential uses of different densities and between residential areas and other uses.	<ul style="list-style-type: none"> <li>▪ Shortened for brevity.</li> </ul>	UD-6.1 Use buffers, landscaping, and building design and placement to ease the transition of scale and intensity between abutting residential uses of different densities and other uses.
UD-3.2 Work with WSDOT to identify solutions to buffering the visual and acoustic impacts of I-5 and the railroad on sensitive neighborhoods.		UD-6.2 Work with WSDOT to identify solutions to buffering the visual and acoustic impacts of I-5 and the railroad on sensitive neighborhoods.
<b>UD-14 Recognize the value of scenic views and visual resources as contributors to Lakewood's character and the quality of life.</b>	<ul style="list-style-type: none"> <li>▪ Shortened for brevity</li> </ul>	<b>UD-7 Preserve scenic views as contributors to Lakewood's quality of life.</b>
UD-14.1 Develop a program to identify and protect sensitive views, view corridors, and/or visual resources.		UD-7.1 Identify and protect sensitive views, view corridors, and/or visual resources.
UD-14.2 Make views of Mt. Rainier, the lakes, wetlands and creeks, Ft. Steilacoom, Flett Wetlands, and historic landmarks from public sites a priority for protection.	<ul style="list-style-type: none"> <li>▪ Edited for clarity</li> </ul>	UD-7.2 Protect views of Mt. Rainier, the lakes, wetlands and creeks, Ft. Steilacoom, Flett Wetlands, and historic landmarks.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<b>UD-2</b> Establish a system of gateways and civic boulevards to provide identity to the City, foster appropriate commercial uses, and enhance the aesthetic character of the City.	<ul style="list-style-type: none"> <li>Removed as this was duplicated in the plan.</li> </ul>	[REMOVED]
UD-2.1 Identify streets to be treated as civic boulevards and provide appropriate design improvements.	<ul style="list-style-type: none"> <li>Removed as duplicative.</li> </ul>	[REMOVED]
UD-2.2 Identify intersections to be treated as major gateways and provide appropriate design improvements.	<ul style="list-style-type: none"> <li>Removed as duplicative.</li> </ul>	[REMOVED]
<b>UD-4</b> Employ design standards to improve the auto-dominant atmosphere that dominates commercial corridors.	<ul style="list-style-type: none"> <li>Addressed in streetscape policies above.</li> </ul>	[REMOVED]
UD-4.1 Encourage the redevelopment of streets, bicycle paths, transit stops, street trees, and sidewalks along commercial corridors.	<ul style="list-style-type: none"> <li>Addressed in streetscape policies above.</li> </ul>	[REMOVED]
UD-4.2 Reduce the number and width of curb cuts and surface parking lots fronting on commercial streets.	<ul style="list-style-type: none"> <li>Addressed in streetscape policies above.</li> </ul>	[REMOVED]
UD-4.3 Establish building design and signage standards and guidelines to provide a unified, attractive character to commercial corridors.	<ul style="list-style-type: none"> <li>Addressed in streetscape policies above.</li> </ul>	[REMOVED]
UD-4.4 Promote individual neighborhood character in areas such as the International District.	<ul style="list-style-type: none"> <li>Addressed in streetscape policies above.</li> </ul>	[REMOVED]
<b>UD-11</b> Reduce crime and improve public safety through site design and urban design.	<ul style="list-style-type: none"> <li>Removed but considered above with centers.</li> </ul>	[REMOVED]
UD-11.1 Reduce crime opportunities through the application of crime prevention through environmental design (CPTED) principles.	<ul style="list-style-type: none"> <li>See above</li> </ul>	[REMOVED]
UD-11.2 Consolidate parking lot access onto major arterials where appropriate to promote public safety.	<ul style="list-style-type: none"> <li>See above</li> </ul>	[REMOVED]
<b>UD-12</b> Facilitate implementation of gateway enhancement programs in Tillicum, Springbrook, and Woodbrook.	<ul style="list-style-type: none"> <li>Added as a policy to goal above.</li> </ul>	[REMOVED]
UD-12.1 Establish a program to design and implement a gateway enhancement plan at the entrances to each neighborhood.	<ul style="list-style-type: none"> <li>Removed. These are reading as implementation strategies.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
UD-12.2 Work with private and public property owners and organizations to create and implement the gateway plans.	<ul style="list-style-type: none"> <li>Removed. These are reading as implementation strategies.</li> </ul>	[REMOVED]
UD-12.3 Work with the WSDOT or successor agency to facilitate the future incorporation of sound barriers adjacent to these communities along I-5 to reduce noise impacts to residential areas.	<ul style="list-style-type: none"> <li>Removed. These are reading as implementation strategies.</li> </ul>	[REMOVED]
<b>UD-15 Substantially increase walking and cycling activity while at the same time reducing collisions involving cyclists and pedestrians. The federal government and the State of Washington seek to double walking and cycling activity over the planning horizon, while at the same time reducing collisions involving cyclists and pedestrians by 5% per year.</b>	<ul style="list-style-type: none"> <li><b>Removed as duplicative, especially as it does not include many policies.</b></li> </ul>	[REMOVED]
UD-15.1 Refer to the National Association of City Transportation Officials (NACTO) Urban Street Design Guide and Urban Bikeway Design Guide in the design of streets and non-motorized pathway projects.	<ul style="list-style-type: none"> <li>Removed and accommodated in previous policies above.</li> </ul>	[REMOVED]
UD-15.2 Consider endorsement or adoption of the NACTO Urban Street and Urban Bikeway design guides.	<ul style="list-style-type: none"> <li>Removed and accommodated in previous policies above.</li> </ul>	[REMOVED]

# 14 Utilities

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>U-1</b>	<b>Designate the general location and capacity of existing and proposed utility facilities.</b>	▪ Edited for clarity.	<b>UT-1</b>	<b>Maintain an inventory of the approximate location and capacity of both current and planned utility facilities.</b>
U-1.1	Add utility corridor and facility information to the Geographic Information System (GIS) system. The City shall consult periodically with private utility providers to obtain up-to-date system information.	▪ Edited for clarity/brevity.	UT-1.1	Integrate utility corridor and facility data into the city's Geographic Information System (GIS), and ensure this information is regularly updated through consultations with private utility providers.
U-1.2	Coordinate with utility providers to ensure that the general location of existing and proposed utility facilities is consistent with other elements of the Comprehensive Plan.	▪ Edited for clarity/brevity.	UT-1.2	Collaborate with utility providers and other partners to align the location of existing and future utility facilities with the broader objectives outlined in the Comprehensive Plan.
<b>U-2</b>	<b>Provide an adequate level of public utilities in response to and consistent with land use, environmental protection, and redevelopment.</b>	▪ Edited for clarity.	<b>UT-2</b>	<b>Ensure public utilities are provided at levels of service that are adequate and in alignment with land use planning, environmental protection, and redevelopment needs.</b>
U-2.1	Utility services and facilities must be consistent with the growth and development concepts directed by the comprehensive plan.	▪ Edited for clarity/brevity.	UT-2.1	Promote planning for utility services and facilities that are consistent with the growth and development strategies prescribed in the Comprehensive Plan.
U-2.2	Where appropriate, encourage conservation in coordination with other utility providers and jurisdictions.	▪ Edited for clarity/brevity.	UT-2.2	Partner with utility providers on conservation efforts.
U-2.3	Encourage the appropriate siting, construction, operation, and decommissioning of all utility systems in a manner that reasonably minimizes impacts on adjacent land uses.	▪ Edited for clarity/brevity.	UT-2.3	Encourage the siting, construction, operation, and decommissioning of utility systems to minimize adverse impacts on neighboring land uses.
<b>U-3</b>	<b>Provide and maintain safe, reliable, and adequate utility facilities and services for the city's current and future service area to meet anticipated peak demands in an efficient, economically, and environmentally responsible manner.</b>	▪ Removed as duplicative with the previous goal.	<b>[REMOVED]</b>	



Original Goal/Policy	Rationale for Change	Final Goal/Policy
U-3.1 Condition development approval on capacity of utility systems to serve the development without decreasing established LOS, or on a financial commitment to provide service within a specified time frame.	▪ Edited for clarity/brevity.	UT-2.4 Condition development approval on the capacity of existing utility systems to support the development without decreasing levels of service, unless a financial commitment is made to provide service within a specified time frame.
U-3.2 Coordinate the extension of utility services with expected growth and development.	▪ Edited for clarity/brevity.	UT-2.5 Align the extension of utility services with anticipated growth and development patterns.
U-3.3 Coordinate with service providers and other utilities using rights-of-way on the timing of improvements to reduce impacts to communities and to lower the cost of improvements.	▪ Edited for clarity.	UT-2.6 Partner with service providers and other utilities using rights-of-way to schedule improvements strategically, in order to minimize community disruption and reduce improvement costs.
U-3.4 Protect the City's rights-of-way from unnecessary damage and interference and ensure restoration to pre-construction condition or better.	▪ Edited for clarity.	UT-2.7 Protect city rights-of-way and adjacent land uses from unnecessary impacts due to utility construction and maintenance.
<b>U-4 Provide efficient, cost-effective, and environmentally sound surface water and flood control facilities to protect existing and future land uses to preserve public safety and protect surface and groundwater quality.</b>	▪ Edited for clarity/brevity.	<b>UT-3 Provide efficient, cost-effective, and environmentally sound surface water and flood control solutions to maintain public safety, protect land uses, and maintain surface and groundwater quality.</b>
U-4.1 Ensure that adequate storm drain and flood-control facilities are provided and properly maintained to alleviate surface flooding during storm events.	▪ Revised and combined.	UT-3.1 Ensure the proper provision and maintenance of adequate storm and flood control facilities to manage surface flooding and comply with the National Pollutant Discharge Elimination System (NPDES) standards.
U-4.2 Undertake a stormwater management program that meets or exceeds the standards of the National Pollutant Discharge Elimination System (NPDES).	▪	UT-3.2 Maintain a state-approved Comprehensive Storm Water Management Program that meets or exceeds the standards of the National Pollutant Discharge Elimination System (NPDES).
U-4.3 Provide for maintenance and upgrade of existing public storm drainage systems and flood control facilities and for construction of expanded public storm drain systems and flood control facilities to protect existing and future development.	▪ This appears redundant with U-4.1.	[REMOVED]
U-4.4 Implement flood-control improvements that maintain the integrity of significant riparian and other environmental habitats.	▪ Edited for clarity/brevity.	UT-3.3 Maintain the integrity of habitats as part of flood-control improvements.

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
U-4.5	Develop public works policies and design standards which encourage minimizing the development of impervious surfaces.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UT-3.4	Minimize increased impervious surface through design standards and public works policies.
U-4.6	Seek land acquisition opportunities in areas of the City targeted for future growth and increasing density for stormwater storage functions to compensate for increasing impervious surface.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UT-3.5	Plan land acquisitions to address future needs for stormwater storage based on expected growth.
U-4.7	Support lake management studies for Lake Steilacoom, Gravelly Lake, and Lake Louise to determine pollutant sources.	<ul style="list-style-type: none"> <li>▪ Combined with U-4.8.</li> <li>▪ Edited for clarity.</li> </ul>	UT-3.6	Participate in ongoing land management studies and water quality monitoring programs to manage pollutants.
U-4.8	Participate in ongoing water quality monitoring programs for all public drainage systems that discharge into lakes and streams.	<ul style="list-style-type: none"> <li>▪ Combined with U-4.7</li> </ul>		[REMOVED]
U-4.9	Develop and implement a state-approved Comprehensive Storm Water Management Program.	<ul style="list-style-type: none"> <li>▪ Redundant with U-4.2 (combined).</li> </ul>		[REMOVED]
U-4.10	Cooperate with the Pierce County Conservation District Stream Team Program to provide water quality education to the community.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	UT-3.7	Provide water quality education to the community in cooperation with the Pierce County Conservation District Stream Team Program.
<b>U-5</b>	<b>Ensure that the costs of improvements to the storm drain and flood-control system are borne by those who both contribute and benefit.</b>	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	<b>UT-4</b>	<b>Ensure the costs for storm drain and flood-control systems are equitably shared by those who benefit from and contribute to them.</b>
U-5.1	Require that on-site treatment of stormwater generated by new development is adequate to meet the requirements of the City's stormwater management and site development manual and that such facilities are constructed coincident with new development.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UT-4.1	Require that new developments include on-site stormwater treatment facilities that comply with the city's stormwater management and site development standards, constructed concurrently with the development.
U-5.2	Costs for improvements to existing storm drain and flood control facilities associated with a new development shall be borne by the developer through payment of fees or by actual construction of the improvements.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UT-4.2	Require developers to bear the costs of necessary improvements to existing storm drain and flood control facilities, either through construction or fee payments.
U-5.3	Consider formation of benefit assessment districts and community facilities districts, where appropriate, in which those who benefit from specific local storm drain and flood-control improvements pay a proportionate share of the costs.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UT-4.3	Use benefit assessment and community facilities districts to distribute costs of specific local storm drain and flood-control improvements fairly between all beneficiaries.

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Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>U-6</b>	<b>Minimize the impact of poor storm drain performance upon transportation infrastructure.</b>	<ul style="list-style-type: none"> <li>This appears redundant with the previous goal.</li> </ul>	<b>[REMOVED]</b>	
U-6.2	Consider and seek funding for public projects to resolve roadway flooding problems in areas that are poorly served by storm drains.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	UT-4.4	Pursue funding opportunities to address roadway flooding in areas with insufficient storm drainage.
U-6.1	Ensure the timely removal of debris from storm drains.	<ul style="list-style-type: none"> <li>This appears to be a very specific policy that should be broadened.</li> </ul>	UT-4.5	Support regular maintenance to storm drain and flood control facilities to ensure the capacity and function of the system is sustained.
U-6.3	Require adequate storm drainage in conjunction with new development.	<ul style="list-style-type: none"> <li>This is redundant with policies above.</li> </ul>	<b>[REMOVED]</b>	
<b>U-7</b>	<b>Ensure efficient, cost-effective, and environmentally sound sewage collection and treatment to protect public health and maintain safe and high quality groundwater reserves and protect riparian and other wildlife habitat.</b>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<b>UT-5</b>	<b>Coordinate efficient, economical, and ecologically sustainable sewage management to safeguard public health, preserve groundwater quality, and protect habitat.</b>
U-7.1	Provide leadership to Pierce County to ensure that sewer connection fees and monthly charges are adequate to fund maintenance of existing facilities, and collect monies toward operation, maintenance, repair and replacement of existing facilities.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	UT-5.1	Coordinate with Pierce County to ensure that sewer connection fees and monthly charges are sufficient to support the maintenance of existing facilities, and contribute to the operation, maintenance, repair, and replacement of these facilities.
U-7.2	Provide leadership to Pierce County in evaluating and accommodating increased demand by upgrading existing facilities and/or constructing new collection and treatment improvements.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	UT-5.2	Support Pierce County in assessing and meeting increased demand through the enhancement of existing facilities and/or the development of new collection and treatment infrastructure.
<b>U-8</b>	<b>Ensure that new growth is served by sewers, and pursue a citywide system to eliminate current service deficits.</b>	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	<b>UT-6</b>	<b>Support a complete citywide sewer system and facilitate new growth by addressing service deficits and new demand.</b>
U-8.1	Ensure that public sewage treatment and collection systems are installed and available for use coincident with new development.	<ul style="list-style-type: none"> <li>Consolidated with below.</li> </ul>	<b>[REMOVED]</b>	
U-8.2	Continue current efforts to extend sewers throughout all of Woodbrook and Tillicum.	<ul style="list-style-type: none"> <li>Consolidated with below.</li> </ul>	<b>[REMOVED]</b>	

Original Goal/Policy	Rationale for Change	Final Goal/Policy
U-8.3 Encourage extension of sewer service to Woodbrook and portions of Tillicum slated for density increases or changes in use consistent with the adopted Comprehensive Plan Land Use Designations Map (see Policy LU-62.5).	<ul style="list-style-type: none"> <li>▪ Edited for brevity/clarity.</li> <li>▪ Note that a major sewer project to Tillicum has been completed; this policy may be more useful if more general.</li> </ul>	UT-6.1 Prioritize sewer extension projects areas expecting density increases or land use changes under the Comprehensive Plan.
U-8.4 Enforce Ordinance No. 530, requiring sewer mandatory sewer connections throughout the city.	<ul style="list-style-type: none"> <li>▪ Consolidated with below.</li> </ul>	[REMOVED]
U-8.5 Work with Pierce County to develop a plan that would provide sewer services to pockets of unsewered properties interspersed throughout the city's core.	<ul style="list-style-type: none"> <li>▪ Consolidated with below.</li> </ul>	[REMOVED]
U-8.6 Work with Pierce County to establish a priority for sewer properties located within the Arrowhead- Partridge Glen Neighborhood, Lakewood's westerly urban growth area.	<ul style="list-style-type: none"> <li>▪ Combined with above.</li> </ul>	UT-6.2 Enforce mandatory sewer connections citywide.
U-8.7 Identify locations along the city's northeasterly edge where sewer services are either provided by the City of Tacoma or Pierce County. Where sewer services are not provided to properties by either agency, work with the appropriate agency to connect these properties to sewers. U-8.8 Where feasible, utilize grant funding sources to extend major sewer lines.	<ul style="list-style-type: none"> <li>▪ Combined with above</li> </ul>	UT-6.3 Work with Pierce County, the City of Tacoma, and other jurisdictions to identify properties close to and within the UGA where sewer services are not provided, and coordinate with the appropriate agency to connect these properties to sewers.
U-8.8 Where feasible, utilize grant funding sources to extend major sewer lines.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> <li>▪ Consolidated with U-8.13 below.</li> </ul>	UT-6.4 Pursue external funding sources to extend major sewer lines, including grant funding and private development funding.
U-8.9 Require projects located beyond the reasonable reach of existing sewer service construct dryline sewers within roadways and adopt covenants requiring that they connect to sewers when available.	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>	UT-6.5 Require the construction of dryline sewers in roadways for developments beyond current sewer service areas, with mandatory covenants requiring future connection as a condition of approval for development.
U-8.10 Issue building permits in sewer areas only when sewer capacity is available.	<ul style="list-style-type: none"> <li>▪ This is implicit to U-8.14.</li> </ul>	[REMOVED]
U-8.11 Enable existing uses to continue utilizing individual and/or community septic systems, provided that soil conditions will support their use, until sewers are available.	<ul style="list-style-type: none"> <li>▪ Edited for clarity/brevity.</li> </ul>	UT-6.6 Allow continued use of individual or community septic systems under suitable soil conditions until sewer connections become available.
U-8.12 Ensure that sewer permits are processed in a timely manner by Pierce County.	<ul style="list-style-type: none"> <li>▪ This is not something that the City can do much about.</li> </ul>	[REMOVED]

Original Goal/Policy	Rationale for Change	Final Goal/Policy
U-8.13 Solicit private industrial developers willing and able to finance the extension of sanitary sewers to Woodbrook.	<ul style="list-style-type: none"> <li>Consolidate with U-8.8 above.</li> </ul>	[REMOVED]
U-8.14 Ensure that public sewage treatment and collection systems are installed and available for use concurrent with new development.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	UT-6.7 Ensure that public sewage treatment and collection systems are installed and available for use concurrent with new development. Ensure the availability of public sewage treatment and collection systems concurrent with new developments.
<b>U-9 Ensure a safe and adequate water supply for the citizens of Lakewood with adequate storage and distribution treatment facilities to support projected growth in demand.</b>	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	<b>UT-7 Ensure Lakewood has a safe and sufficient water supply with adequate storage and distribution facilities to meet future demand.</b>
U-9.1 Ensure that new growth does not exceed adequate water supply and appropriate infrastructure levels. Appropriate water pressure shall require a minimum of 40 pounds per square inch (psi) and a maximum of 85-90 psi, and fire flows of 1,500 gallons per minute (gpm).	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	UT-7.1 Maintain water supply and infrastructure levels to meet new growth demands, ensuring acceptable water pressure for fire flows and daily use.
U-9.3 Coordinate with private water providers and appropriate governmental agencies prior to approval of new development entitlements.	<ul style="list-style-type: none"> <li>Edited for clarity.</li> </ul>	UT-7.2 Work with partners such as private water providers and governmental agencies to align new development approvals with existing water service capabilities.
U-9.4 Coordinate the construction of interties with adjoining water purveyors to enhance the City's water supply and fire flow capacity.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	UT-7.3 Enhance water supply and fire flow capacity by coordinating interties with neighboring water purveyors.
U-9.2 Coordinate with other entities to conduct studies to evaluate the aquifer and its long-term capabilities.	<ul style="list-style-type: none"> <li>Edited for clarity/brevity.</li> </ul>	UT-7.4 Collaborate with other jurisdictions on long-term aquifer management.
<b>U-10 Minimize water consumption through site design, the use of efficient systems, and other techniques.</b>	<ul style="list-style-type: none"> <li>Change to a policy (see below)</li> </ul>	[REMOVED]
[NEW]	<ul style="list-style-type: none"> <li>Changed goal to a policy and consolidated the other policies included.</li> </ul>	UT-7.5 Minimize water consumption through techniques such as site design, requirements for water-saving features in new construction, and promotion of water conservation practices.
U-10.1 Require incorporation of water conservation features such as low-flow toilets, showerheads, and faucets in the design of all new construction.	<ul style="list-style-type: none"> <li>Removed/consolidated with above.</li> </ul>	[REMOVED]

Original Goal/Policy		Rationale for Change	Final Goal/Policy
U-10.2	Promote drought-tolerant landscaping (xeriscaping) through development standards.	▪ Edited for clarity.	[REMOVED]
U-10.3	Encourage industrial and commercial users to incorporate appropriate water conservation measures such as recycling into their operations.	▪ Edited for clarity/brevity.	[REMOVED]
<b>U-11</b>	<b>Ensure that the costs of new water facilities are borne by those who benefit.</b>	▪ <b>Change the intent to a policy, as there is only one policy included here.</b>	<b>[REMOVED]</b>
U-11.1	Work with private water purveyors and the City of Tacoma to ensure that new developments pay the cost of construction of capital facilities needed to serve new development.	▪ Edited for clarity/brevity.	UT-7.6 Work with private water purveyors and the City of Tacoma to ensure new developments are responsible for the funding of capital investments to meet their service needs.
<b>U-12</b>	<b>Ensure that an adequate electrical supply at a fair and reasonable cost is available to support existing and future land uses in the city.</b>	▪ <b>Revise and consolidate.</b>	<b>UT-8 Ensure that the city has a reliable, reasonably priced electrical supply that meets the demands of both existing and future land uses, maintains safety, and effectively integrates supporting infrastructure into the city.</b>
U-12.1	Require that new development be contingent on the ability to be served with adequate electrical facilities and service.	▪ Edited for clarity/brevity.	UT-8.1 Require that new developments demonstrate access to adequate electrical servicing.
U-12.2	The City hereby incorporates by reference PSE's GMA Electrical Facilities Plan into this utilities element as now existing or hereafter amended or adopted.	▪ Edited for clarity/brevity.	UT-8.2 Work with Puget Sound Energy to align their Electrical Facilities Plan with city policy and use this plan as a guide for managing utility corridors and electrical facilities.
<b>U-13</b>	<b>Provide appropriate locations for electrical service lines and facilities while protecting public health and safety from associated hazards.</b>	▪ <b>Change to a policy.</b>	<b>[REMOVED]</b>
[NEW]		▪ Consolidated from goal and supporting policies.	UT-8.3 Preserve appropriate locations for power lines and electrical utility corridors and prohibit incompatible land uses that would be impacted by these facilities.
U-13.1	Prevent encroachment of housing and other incompatible uses under power lines and into electrical utility corridors.	▪ Combined with above.	[REMOVED]
[NEW]		▪ Consolidated from goal and supporting policies.	UT-8.4 Coordinate the siting of electrical facilities and regulate development to protect from potential public health and welfare impacts.



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Original Goal/Policy		Rationale for Change	Final Goal/Policy	
U-13.2	Regulate development to protect public health and welfare in areas containing electrical facilities that generate significant electro-magnetic fields.	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	[REMOVED]	
U-13.3	Coordinate with local purveyors to develop future facility maps for the location of transmission lines, high-voltage distribution lines, and substations.	<ul style="list-style-type: none"> <li>Combined with below for a single policy.</li> </ul>	UT-8.5	Work with local energy providers to plan for future electrical infrastructure and ensure that existing facilities meet future developmental needs, manage aesthetic and health impacts, and are integrated into the community.
U-13.4	Work with local purveyors to ensure that existing electrical facilities are protected from encroachment, that electrical facilities do not cause negative aesthetic or health impacts on the community, and that adequate electrical facilities are available to meet the needs of future development.	<ul style="list-style-type: none"> <li>Combined with above.</li> </ul>	[REMOVED]	
U-13.5	Pursue the undergrounding of existing above-ground electrical facilities and ensure the undergrounding of new electrical facilities.	<ul style="list-style-type: none"> <li>Consolidate with policies below regarding undergrounding.</li> </ul>	[REMOVED]	
<b>U-14</b>	<b>Coordinate utilities undergrounding with new development, redevelopment, and street projects.</b>	<ul style="list-style-type: none"> <li><b>Revised for clarity.</b></li> </ul>	<b>UT-9</b>	<b>Coordinate the installation of underground utilities with urban development initiatives, including new constructions, redevelopments, and significant street upgrades, to optimize aesthetic and functional cityscape improvements.</b>
U-14.1	Where feasible, time undergrounding of utilities to coincide with major street projects.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	UT-9.1	Coordinate the undergrounding of utilities with major street renovation projects to streamline construction efforts and minimize disruption.
U-14.2	Seek financing for utilities undergrounding in conjunction with road improvement financing.	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	UT-9.2	Pursue funding to support undergrounding utilities in tandem with financing for road improvements to increase efficiency and project feasibility.
U-14.3	To the maximum extent possible and based upon applicable regulations, the City should require the undergrounding of utility distribution lines in new subdivisions, new construction, and significantly reconstructed facilities, consistent with all applicable laws.	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	UT-9.3	Require underground utility lines for all new developments, subdivisions, and major renovations where feasible.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
<p>U-14.4 To the maximum extent possible and based upon applicable regulations, the City should work with the utility companies in preparing a plan for undergrounding utilities in areas where their visual impact is critical to improving the appearance of the City, such as the Downtown and the I-5 Corridor (Pacific Highway SW and South Tacoma Way).</p>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<p>UT-9.4 Work with utility companies to develop strategic plans for the undergrounding of utilities, especially in visually significant areas such as Downtown and the I-5 Corridor.</p>
<p><b>U-15 To the extent practical, screen major utility structures/fixtures.</b></p>	<ul style="list-style-type: none"> <li>Revised for clarity.</li> </ul>	<p><b>UT-10 Use screening and landscaping around major utility structures to balance aesthetic concerns with operational integrity and environmental considerations.</b></p>
<p>U-15.1 The City should work with utility providers in preparing a right-of-way vegetation plan that ensures that the needs of landscaping and screening are balanced with the need to prevent power outages.</p>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<p>UT-10.1 Collaborate with utility providers to develop comprehensive right-of-way vegetation plans.</p>
<p>U-15.2 The City should require that site-specific utility facilities such as antennas and substations, be reasonably and appropriately sited and screened to mitigate adverse aesthetic impacts.</p>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<p>UT-10.2 Require utility facilities to be reasonably and appropriately sited and screened to mitigate aesthetic impacts.</p>
<p>U-15.3 The City should work with the utility companies and also support statewide efforts by the Washington Utility and Transportation Commission (WUTC) to devise a method of paying for improvements associated with environmental and aesthetic impacts.</p>	<ul style="list-style-type: none"> <li>Revised for clarity/brevity.</li> </ul>	<p>UT-10.3 Support innovative approaches to fund improvements to address environmental and aesthetic impacts of utility infrastructure.</p>
<p><b>U-16 Promote energy conservation.</b></p>	<ul style="list-style-type: none"> <li><b>This is acknowledged in more detail in the Energy and Climate Change Element.</b></li> </ul>	<p>[REMOVED]</p>
<p>U-16.1 The City shall, at minimum, ensure that its buildings comply with state and federal standards for energy conservation.</p>	<ul style="list-style-type: none"> <li></li> </ul>	<p>[REMOVED]</p>
<p>U-16.2 The City will endeavor to work with utility companies to promote and educate the public about strategies for conserving energy.</p>	<ul style="list-style-type: none"> <li></li> </ul>	<p>[REMOVED]</p>
<p>U-16.2 The city will work with local utility purveyors to convert existing traffic signals to light-emitting diode (LED) lamps and develop a policy to install LED in future traffic signals.</p>	<ul style="list-style-type: none"> <li></li> </ul>	<p>[REMOVED]</p>

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
<b>U-17</b>	<b>Accommodate ongoing improvements in communications systems and promote state-of-the-art facilities.</b>	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	<b>UT-11</b>	<b>Promote state-of-the-art local telecommunications systems to enhance connectivity, support economic growth, and improve public information access.</b>
U-17.1	Ensure that development regulations are consistent with public service obligations imposed upon private utilities by federal and state law.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-11.1	Align development regulations with public service obligations mandated for private utilities by federal and state laws.
U-17.2	Process permits for private utility facilities in an efficient and timely manner, in accordance with franchise agreements, development regulations, the Lakewood Comprehensive Plan, and adopted codes.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	UT-11.2	Streamline the permit process for private utility facilities considering franchise agreements, development regulations, the Lakewood Comprehensive Plan, and existing codes.
U-17.3	The City will encourage and work with telecommunication and cable companies to develop fiber optic cable networks and to increase interconnectivity between different networks.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-11.3	Encourage and support telecommunications and cable companies expanding fiber optic networks and increasing network interconnectivity.
U-17.4	The City will endeavor to work with utility companies and other public institutions, such as the school district, and local community and technical colleges to develop a full range of community information services, available to citizens and businesses through the telecommunication network.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-11.4	Collaborate with utility companies and public institutions, such as schools and colleges, to advance comprehensive community information services and promote local advancements to improve educational and business opportunities for residents.
U-17.5	Support new advances in telecommunications systems that will create a better informed public, foster economic vitality, and reduce demand on the region's street system.	<ul style="list-style-type: none"> <li>This intent can be combined with the previous policy.</li> </ul>	[REMOVED]	
U-17.6	Ensure that zoning regulations do not unnecessarily hinder establishment of in-home offices and businesses that take advantage of electronic communications.	<ul style="list-style-type: none"> <li>This appears to be minor and covered in other sections.</li> </ul>	[REMOVED]	
U-17.7	Encourage the use of smaller telecommunications facilities that are less obtrusive and can be attached to existing utility poles other structures without increasing their height.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-11.5	Advocate for smaller, less intrusive telecommunications facilities that can integrate seamlessly into the existing environment.
U-17.8	Develop programs to protect communications facilities during disasters or emergencies.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	UT-11.6	Ensure the resilience of communications infrastructure during emergencies and disasters.

Original Goal/Policy		Rationale for Change	Final Goal/Policy	
U-17.9	Promulgate regulations to meet federal requirements yet protect the community from undesirable impacts of cell towers, public and private satellites dishes, and other similar facilities.	<ul style="list-style-type: none"> <li>Consolidated with the following policy. [REMOVED]</li> </ul>		
U-17.10	Through its development regulations, the City shall continue to address the siting, screening, and design standards for wireless/cellular facilities, substations, and antenna facilities in such a manner as to allow for reasonable and predictable review while minimizing potential land use and visual impacts on adjacent property.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> <li>Consolidated with previous policy.</li> </ul>	UT-11.7	Regulate the siting, screening, and design of wireless, cellular, and antenna installations, ensuring these structures are reviewed fairly and predictably and consider federal and state requirements while minimizing visual and land use impacts.
<b>U-18</b>	<b>Provide for an economical, convenient, environmentally balanced, and integrated solid waste reduction, recycling, and disposal system.</b>	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	<b>UT-12</b>	<b>Support an integrated, efficient, and environmentally sustainable solid waste management system that includes reduction, recycling, and disposal.</b>
U-18.1	Develop and implement comprehensive residential and commercial recycling and composting programs that are convenient and efficient, and that divert the broadest possible range of materials from the landfill.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	UT-12.1	Maintain comprehensive recycling and composting programs for both residential and commercial sectors, designed to maximize convenience and efficiency while diverting a wide array of materials from landfills.
U-18.2	Promote public and private recycling efforts and organizations.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	UT-12.2	Promote public and private recycling initiatives and supporting organizations.
U-18.3	Support and participate in interagency cooperative efforts with governments, businesses, and institutions in planning and implementing solid waste management programs.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-12.3	Cooperate with government agencies, businesses, and institutions to plan and implement solid waste management strategies.
U-18.4	Develop and implement a safe, convenient, and environmentally sound residential hazardous waste collection, recycling, and disposal program.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	UT-12.4	Maintain a residential hazardous waste program that ensures safe collection, recycling, and disposal of hazardous materials, emphasizing convenience and environmental safety.
<b>U-19</b>	<b>Ensure an adequate, safe, and orderly supply of gas energy to support existing and future land uses in the city.</b>	<ul style="list-style-type: none"> <li>Note that this may not be aligned with other goals in the ECC Element.</li> </ul>	<b>UT-13</b>	<b>Ensure a reliable and safe supply of natural gas that is coordinated with city planning and meets expected needs for the future.</b>
U-19.1	Work with the purveyor to ensure that adequate natural gas facilities are available to meet the demands of existing and new development.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-13.1	Work with providers to ensure that current and planned natural gas facilities can meet the expanded demands of existing and new development.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
U-19.2 Work with the purveyor to ensure that facilities are designed and sited to be compatible with adjacent land uses in the city of Lakewood.	<ul style="list-style-type: none"> <li>Revise for clarity/brevity.</li> </ul>	UT-13.2 Ensure that natural gas facilities are designed and situated to integrate with surrounding land uses.
U-19.3 Prepare land-use ordinances to protect gas line utility corridors.	<ul style="list-style-type: none"> <li>Revise for clarity.</li> </ul>	UT-13.3 Protect gas line utility corridors from encroachment by incompatible uses and activities.
U-19.4 Encourage joint trenching among gas and other utility purveyors.	<ul style="list-style-type: none"> <li>This is redundant with other policies.</li> </ul>	[REMOVED]
[NEW]	<ul style="list-style-type: none"> <li>This should be incorporated to consider the ECC Element.</li> </ul>	UT-13.4 Consider the effects of climate change policy and changes in the consumption of different types of energy on the management of natural gas facilities in the city.

# 15 Implementation

Original Goal/Policy	Rationale for Change		Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>References overall statutory requirements for alignment with other planning.</li> </ul>	IM-1	<b>Ensure that the Lakewood Comprehensive Plan complies with state, regional, and county requirements.</b>
[NEW]	<ul style="list-style-type: none"> <li>Reinforces need for alignment with statutes.</li> </ul>	IM-1.1	Ensure the Comprehensive Plan is consistent with the provisions of the Growth Management Act.
[NEW]	<ul style="list-style-type: none"> <li>Indicates the need for alignment with higher-level planning.</li> </ul>	IM-1.2	Ensure consistency of the Comprehensive Plan with the PSRC Multicounty Planning Policies and Pierce County Countywide Planning Policies.
[NEW]	<ul style="list-style-type: none"> <li>Added to ensure that there is sufficient documentation.</li> </ul>	IM-1.3	Maintain clear documentation and references with regards to how the Comprehensive Plan integrates and fulfills these requirements.
[NEW]	<ul style="list-style-type: none"> <li>References coordination between different communities.</li> </ul>	IM-2	<b>Ensure consistency and coordination between the Lakewood Comprehensive Plan and the Comprehensive Plans of Pierce County, Steilacoom, Tacoma, and University Place.</b>
[NEW]	<ul style="list-style-type: none"> <li>High-level direction to policy collaboration.</li> </ul>	IM-2.1	Consider aligning policies that apply to common areas or issues with neighboring communities.
[NEW]	<ul style="list-style-type: none"> <li>Note that the city should be using common metrics between different jurisdictions.</li> </ul>	IM-2.2	Rely on consistent population projections, planning horizons, and other relevant data that are consistent with practices in Pierce County, Steilacoom, Tacoma, and University Place.
[NEW]	<ul style="list-style-type: none"> <li>Ensure that there is clear direction to promote cooperation with neighboring communities.</li> </ul>	IM-2.3	Circulate Plan updates and amendments to Pierce County, Steilacoom, Tacoma, University Place, and other jurisdictions as needed.
[NEW]	<ul style="list-style-type: none"> <li>Ensure that the Comprehensive Plan is clear and actionable.</li> </ul>	IM-3	<b>Ensure that the Lakewood Comprehensive Plan is an internally consistent document with clear steps for implementation.</b>
[NEW]	<ul style="list-style-type: none"> <li>Highlights a requirement specifically for an implementation strategy (separate from the policies of this element).</li> </ul>	IM-3.1	Develop an implementation strategy for the Comprehensive Plan that includes regulatory and non-regulatory measures needed.



Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Indicates that code changes will be required.</li> </ul>	IM-3.2 Ensure the implementation strategy for the Comprehensive Plan considers necessary changes to the Lakewood Municipal Code.
[NEW]	<ul style="list-style-type: none"> <li>Ensures that the implementation strategy would include a schedule.</li> </ul>	IM-3.3 Include a schedule for the adoption or amendment of the development regulations identified in the implementation strategy.
[NEW]	<ul style="list-style-type: none"> <li>Requires that implementation be transparent and available for public review and comment.</li> </ul>	IM-3.4 Ensure that the implementation strategy is a public document available for review.
<b>[NEW]</b>	<ul style="list-style-type: none"> <li><b>Reinforce the need for public engagement in a transparent process.</b></li> <li><b>Note that this is somewhat self-referential, but this would be applicable to other work after the review cycle.</b></li> </ul>	<b>IM-5 Promote active engagement by residents and stakeholders in an open and transparent planning process, especially vulnerable populations and members of overburdened communities.</b>
[NEW]	<ul style="list-style-type: none"> <li>Provide high-level guidance for public engagement.</li> </ul>	IM-5.1 Implement procedures for accessible public participation with the Comprehensive Plan and associated documents, including: <ul style="list-style-type: none"> <li>Widespread distribution of proposals,</li> <li>Opportunities for submitting written comments,</li> <li>Public meetings with effective notice,</li> <li>Ensuring environments for open discussion,</li> <li>Maintaining communication programs,</li> <li>Coordinating information services, and</li> <li>Responding thoughtfully to public feedback.</li> </ul>
[NEW]	<ul style="list-style-type: none"> <li>Highlight the need for diverse engagement, which should include considerations for accessibility.</li> </ul>	IM-5.2 Use diverse and accessible methods to communicate effectively with all members of the public throughout the planning process.
[NEW]	<ul style="list-style-type: none"> <li>Reinforce the need for equity and inclusion in the process.</li> </ul>	IM-5.3 Strive for inclusive community engagement, drawing in groups previously underrepresented in planning discussions.
[NEW]	<ul style="list-style-type: none"> <li>Provide proper documentation of the process.</li> </ul>	IM-5.5 Demonstrate how public comments have been incorporated into the Comprehensive Plan and development regulation legislative actions.
[NEW]	<ul style="list-style-type: none"> <li>Provide proper documentation of the process.</li> </ul>	IM-5.5 Record all public meetings held for outreach for planning.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Provide proper documentation of the process.</li> </ul>	IM-5.6 Clearly reference the sources of data used in the Comprehensive Plan and development regulations.
[NEW]	<ul style="list-style-type: none"> <li><b>This section provides clear requirements regarding the schedule for Comprehensive Plan work.</b></li> </ul>	<b>IM-6 Coordinate updates and amendments to the Comprehensive Plan based on a regular schedule.</b>
[NEW]	<ul style="list-style-type: none"> <li>Provide requirements for the regular update cycle to align with the statute.</li> </ul>	IM-6.1 Revise the Lakewood Comprehensive Plans and development regulations for compliance with Growth Management Act requirement by December 31, 2024, with subsequent reviews conducted on or before June 30, 2034 and every 10 years thereafter.
[NEW]	<ul style="list-style-type: none"> <li>Provide requirements for the regular update cycle to align with the statute.</li> </ul>	IM-6.2 Coordinate a five-year periodic review of the Comprehensive Plan by December 31, 2029, and provide the Department of Commerce a progress report detailing implementation conducted for the Comprehensive Plan to that date.
[NEW]	<ul style="list-style-type: none"> <li>Note that there may be needs for additional updates from the state that are conditional on additional funding.</li> </ul>	IM-6.3 Update the Transportation Element of the Lakewood Comprehensive Plan and create a Climate Change and Resiliency Element as part of the initial implementation progress report due by December 31, 2029, pending availability of funding.
[NEW]	<ul style="list-style-type: none"> <li>Reinforce a requirement for yearly updates only.</li> </ul>	IM-6.4 Limit amendments and revisions to the Comprehensive Plan to no more than once annually.
[NEW]	<ul style="list-style-type: none"> <li>Identify the potential for emergency amendments.</li> </ul>	IM-6.5 Permit emergency amendments to the Comprehensive Plan more frequently than once per year when necessary to address immediate concerns vital to the community's health, safety, and welfare.
[NEW]	<ul style="list-style-type: none"> <li><b>Provide requirements for engagement with Tribal governments to align with statutes.</b></li> </ul>	<b>IM-7 Foster collaborative and respectful coordination with federally recognized Indian Tribes whose reservations or ceded lands are within Pierce County.</b>
[NEW]	<ul style="list-style-type: none"> <li>Highlight the need for a memorandum of agreement if additional engagement and collaboration will be needed.</li> </ul>	IM-7.1 Engage in good faith negotiations to develop a memorandum of agreement with any federally recognized Indian Tribe about collaboration and participation in the planning process upon receiving a Tribal resolution indicating their interests within Pierce County and intent for collaboration.

Original Goal/Policy	Rationale for Change	Final Goal/Policy
[NEW]	<ul style="list-style-type: none"> <li>Direct that a memorandum of agreement should result in collaborative action.</li> </ul>	IM-7.2 Coordinate and collaborate on planning efforts with Tribes in areas of mutual interest, based on the guidelines and commitments established in the memorandum of agreement.
[NEW]	<ul style="list-style-type: none"> <li>Ensure that even if a memorandum is not in place that engagement would still be conducted.</li> </ul>	IM-7.3 Provide options for communication and engagement for Tribes which are not subject to a memorandum of agreement but have reservations or ceded lands in the city.

## ATTACHMENT C

### “CRITICAL AREAS ORDINANCE” Lakewood Municipal Code (LMC) Title 14

Chapter 14.142

#### CRITICAL AREAS AND NATURAL RESOURCE LANDS AUTHORITY, INTENT, AND GENERAL PROVISIONS\*

Sections:

- 14.142.010 Authority and title.
- 14.142.020 Intent.
- 14.142.030 Interpretation.
- 14.142.040 Applicability and mapping.
- 14.142.045 Best Available Science.
- 14.142.050 Permitted uses.
- 14.142.060 Regulated uses/activities.
- 14.142.070 Exemptions and allowed activities.
- 14.142.080 Reasonable use exception.
- 14.142.090 Reasonable use exception and modification of critical area requirements for individual single-family residences.
- 14.142.100 Review Process.
- 14.142.110 Variances.
- 14.142.120 Current use assessment.
- 14.142.130 Compliance provisions.
- 14.142.135 General mitigation requirements.
- 14.142.138 General critical areas report requirements.
- 14.142.140 Appeal procedures.
- 14.142.160 Fees.
- 14.142.170 Title and plat notification.
- 14.142.180 Nonconforming uses, structures, and lots.
- 14.142.190 Administrative procedures and technical criteria.
- 14.142.200 Severability.

\* **Prior legislation note:** Ord. [362](#) repealed provisions concerning critical areas and natural resource lands that were formerly in Chapters 14.138 and 14.142, based on the provisions of Ord. [56](#).

14.142.010 Authority and title.

This title is established pursuant to the requirements of the Growth Management Act (RCW [36.70A.060](#)) and the State Environmental Protection Act (Chapter [43.21C](#) RCW). This title shall be known as the “Critical Areas and Natural Resource Lands Regulations.” [Ord. 362 § 3, 2004.]

#### 14.142.020 Intent.

It is the intent of the critical areas and resource lands regulations to:

- A. Designate and protect critical areas and natural resource lands, including wetlands, critical aquifer recharge areas, fish and wildlife habitat conservation areas, geologically hazardous areas, ~~flood hazard~~frequently flooded areas, and mineral resource lands.
- B. Protect the natural environment, including air and water, to preserve the community's high quality of life.
- C. Protect unique, fragile and valuable elements of the environment, including fish and wildlife habitat; including suitable habitats to maintain native fish and wildlife species within their natural geographic distribution so that isolated sub-populations are not created.
- D. Protect the public against losses from:
  1. Costs of public emergency rescue and relief operations where the causes are avoidable.
  2. Degradation of the natural environment and the expense associated with repair or replacement.
- E. Protect members of the public and public resources and facilities from injury, loss of life, or property damage due to landslides, steep slope failures, erosion, seismic events, or flooding.
- F. Avoid, minimize and mitigate for impacts arising from land development and other activities affecting critical areas to maintain their ecological functions and values including water quality, flood attenuation, habitat, recreation, education, and cultural preservation.
- G. Provide the public with sufficient information and notice of potential risks associated with developing in and adjacent to critical areas.
- H. Implement the goals and requirements of the Growth Management Act and the Lakewood comprehensive plan. [Ord. 362 § 3,2004.]

#### 14.142.030 Interpretation.

In the interpretation and application of this title, all provisions shall be:

- A. Considered the minimum necessary;
- B. Liberally construed to serve the purposes of this title; and
- C. Deemed neither to limit nor repeal any other powers under state statute. [Ord. 362 § 3, 2004.]

#### 14.142.040 Applicability and mapping.

A. *Applicability.* This title shall apply to all lands, land uses and development activity in the City which are designated as critical areas or natural resource lands by the City, including wetlands. Properties containing critical areas or natural resource lands are subject to this title. When the requirements of this title are more stringent than those of other City codes and regulations, the requirements of this title shall apply.

Where a site contains two or more critical areas, the site shall meet the minimum standards and requirements for each identified critical area as set forth in this title. Critical areas on lands subject to the Washington State Shoreline Management Act (SMA) and regulated by the City's shoreline management regulations shall be regulated under the shoreline provisions and are not subject to the procedural and substantive requirements of this title. Nothing in this section, however, is intended to limit or change the quality of information to be applied in protecting critical areas within shorelines of the state.

Shorelines of the state shall not be considered critical areas under this title except to the extent that specific areas located within such shorelines qualify for critical area designation based on the definition of critical areas provided by RCW [36.70A.030\(5\)](#) and have been designated as such by the City's critical areas regulations.

If the City's shoreline regulations do not include land necessary for buffers for critical areas that occur within shoreline areas, then the City shall continue to regulate those critical areas and their required buffers pursuant to this title.

B. *Mapping.* Maps may be developed and maintained by the City which show the general location of critical areas for informational purposes. The actual presence of critical areas and the applicability of these regulations shall be determined by the classification criteria established for each critical area. [Ord. 590 § 2, 2014; Ord. 362 § 3, 2004.]

#### 14.142.045 Best available science.

- A. *Criteria for best available science.* The best available science is that scientific information applicable to the critical area prepared by local, state or federal natural resource agencies, a qualified scientific professional or team of qualified scientific professionals consistent with criteria established in WAC 365-195-905 through 365-195-925, as amended.
- B. *Protection for functions and value and anadromous fish.* Critical area studies and decisions to alter critical areas shall rely on the best available science to protect the functions and value of critical areas and must give special consideration to conservation or protection measures necessary to preserve or enhance anadromous fish and their habitat, such as salmon and bull trout.
- C. *Absence of valid scientific information.* Where there is an absence of valid scientific information or incomplete scientific information relating to a critical area leading to uncertainty about the risk to critical area function of permitting an alteration of or impact to the critical area, the Director shall take a "precautionary approach" that strictly limits development and land use activities until the uncertainty is sufficiently resolved. To address such uncertainty, the Director may consult with State agencies regarding best available science and agency recommendations. The burden of



proof that the action will cause no net loss or harm to persons or property falls on the applicant or the property owner.

14.142.050 Permitted uses.

Uses permitted on properties designated as critical areas or natural resource lands shall be the same as those permitted in the zone classification shown in the City's Land Use and Development Code unless specifically prohibited by this title. [Ord. 362 § 3, 2004.]

14.142.060 Regulated uses/activities.

A. Unless the requirements of this title are met, the City shall not grant any approval or permission to alter the condition of any land, water or vegetation, or to construct or alter any structure or improvement including but not limited to the following: building permit, commercial or residential; binding site plan; conditional use permit; franchise right-of-way construction permit; site development permit; master plan development; right-of-way permit; shoreline conditional use permit; shoreline environmental redesignation; shoreline substantial development permit; shoreline variance; large lot subdivision, short subdivision; special use permit; subdivision; unclassified use permit; utility and other use permit; variance; zone reclassification; or any subsequently adopted permit or required approval not expressly exempted by this chapter.

B. Compliance with these regulations does not remove an applicant's obligation to comply with applicable provisions of any other federal, state, or local law or regulation. Requirements include but are not limited to those of the U.S. Army Corps of Engineers, Washington Department of Fish and Wildlife, and the Washington Department of Ecology, which must be met prior to commencing activities affecting wetlands, except as addressed in LMC ~~14.162.130~~ 14.162.120 regarding Corps of Engineers Section 404 individual permits.

C. The following activities within a critical area and/or buffer, unless exempted by LMC 14.142.070, shall be regulated:

1. Removing, excavating, disturbing or dredging soil, sand, gravel, minerals, organic matter or materials of any kind;
2. Dumping, discharging or filling;
3. Draining, flooding or disturbing the water level or water table. In addition, an activity which involves intentional draining, flooding or disturbing the water level or water table in a wetland, in which the activity itself occurs outside the wetland and buffer, shall be considered a regulated activity;
4. Driving pilings or placing obstructions, including placement of utility lines;
5. Constructing, reconstructing, demolishing or altering the size of any structure or infrastructure;
6. Altering the character of a wetland by destroying or altering vegetation through clearing, harvesting, cutting, intentional burning, shading or planting;
7. Activities which result in significant changes in water temperature or physical or chemical characteristics of wetland water sources, including changes in quantity of water and pollutant level;
8. Application of pesticides, fertilizers and/or other chemicals, unless demonstrated not to be harmful to wetland habitat or wildlife;

9. The division or redivision of land.

D. The Department may require protection measures or erosion control measures such as temporary or permanent fencing to provide for protection of a wetland and buffer when any of the above activities are proposed on a site, but are not proposed within a wetland and/or buffer. [Ord. 362 § 3, 2004.]

14.142.070 Exemptions and allowed activities.

A. All exempted or allowed activities shall use reasonable methods to avoid potential impacts to critical areas. To be exempt from this Title does not give permission to degrade a critical area or ignore risk from natural hazards. Any incidental damage to, or alteration of, a critical area that is not a necessary outcome of the exempted or allowed activity shall be restored, rehabilitated, or replaced at the responsible party's expense. Exemption from the critical areas code does not exempt an applicant from obtaining all other required permits from the city and/or state agencies.

B. All activities and uses consistent with Title 18A of this code that are not covered under parts C and D of this section shall be required to comply fully with this Title.

C. The following activities are exempt from the provisions of this title:

~~The following activities are exempt from the provisions of this title:~~

1. *Existing Agricultural Activities.* The activities cease to be existing when the area on which they were conducted has been converted to a nonagricultural use or has lain idle both more than five years and so long that modifications to the hydrological regime are necessary to resume agricultural activities, unless the idle land is registered in a federal or state soils conservation program.

~~2. Maintenance or reconstruction of existing roads, paths, bicycle ways, trails, bridges, and associated storm drainage facilities; provided, that reconstruction does not involve significant expansion of facilities. Construction of curbs, gutters, sidewalks or other incidental improvements to existing roadways shall generally be considered to fall within this exemption when undertaken pursuant to best management practices to avoid impacts to critical areas.~~

~~3.2.~~ Activities on improved portions of roads, rights-of-way or easements, provided there is no expansion of ground coverage.

~~4.3.~~ Maintenance or reconstruction of existing regional storm drainage facilities; provided, that reconstruction does not involve expansion of facilities.

~~5.4.~~ For the following utility line activities, when undertaken pursuant to best management practices to avoid impacts to critical areas:

- a. Normal and routine maintenance or repair of existing utility structures or right-of-way.
- b. Relocation within improved rights-of-way of electric facilities, lines, equipment, or appurtenances, not including substations, with an associated voltage of 55,000 volts or less only when required by a local government agency.
- c. Relocation within improved right-of-way of utility lines, equipment, or

appurtenances only when required by a local governmental agency which approves the new location of the facilities.

- d. Installation or construction in improved City road rights-of-way, and replacement, operation, or alteration of all electric facilities, lines, equipment, or appurtenances, not including substations, with an associated voltage of 55,000 volts or less.
- e. Installation or construction in improved City road rights-of-way and replacement, operation, repair, or alteration of all utility lines, equipment, or appurtenances.

- ~~6.—A utility line (any pipe or pipeline that transports any gaseous, liquid, liquefiable or slurry substance, and any cable, line or wire for the transmission of electrical energy, telephone, and telegraph messages, and radio and television communication, not including activities which drain a wetland, but including pipes that convey drainage from one area to another) may be placed in an underground trench within a Category II, III or IV wetland or its buffer. There must be no resulting changes in preconstruction contours, and trench excavation materials that are temporarily sidecast must be stabilized to prevent erosion and sedimentation. All sidecast materials shall be replaced within the trench or removed after 90 days, unless an extension is granted by the Community and Economic Development Department. The trench shall be the minimum size required to construct the utility line. The top 12 inches of the trench shall be backfilled with topsoil from the trench excavation. Trenches in wetlands shall be backfilled with wetland topsoil from the excavation, and appropriate vegetation planted to restore the site to a nearly as practical the pretrenching condition. Trench excavation should be restricted to the dry season. All permits from other regulatory agencies must be obtained.~~
- ~~7.—Reconstruction, remodeling, or maintenance of existing single family residential structures and accessory structures; provided, that cumulative expansion of the building footprint does not increase by more than 25 percent from its size as of October 8, 1991 (the effective date of Pierce County Critical Areas Regulations), and that the new construction or related activity does not further intrude into the critical area or related buffer. The exemption shall not apply to reconstruction which is proposed as a result of structural damage associated with a critical area, such as slope failure in a landslide hazard area.~~
- ~~8.—Reconstruction, remodeling, or maintenance of structures, other than single family structures and accessory structures; provided, that such reconstruction, remodeling, or maintenance does not increase the floor area nor extend beyond the existing ground coverage. The exemption shall not apply to reconstruction which is proposed as a result of site or structural damage associated with a critical area, such as slope failure in a landslide hazard area.~~
- 5. Activities in artificial wetlands, except those artificial wetlands intentionally created from nonwetland areas created to mitigate conversion of wetlands. In order for an artificial wetland not created to mitigate conversion of wetlands to be exempt from the requirements of this title, it must meet all of the following characteristics:
  - a. It must have been an intentionally created water feature, meaning that it was not the result of an accident or an unexpected by-product of some other intentional act;

- b. It must be located in a formerly non-wetland (upland) site. The applicant shall provide compelling evidence of the former condition of the site, such as a critical areas report prepared in accordance with this chapter, and as determined by the planning director. In instances of questionable or unclear historic condition, the City shall take the approach that is more protective of the resource; and
- a.c. For any work within or adjacent to the feature, the applicant must provide applicable permit approvals or waivers of jurisdiction from state and federal jurisdictional agencies.
- ~~9. Activities affecting Category IV wetlands which are less than 1,000 square feet where the wetland is found to provide no special habitat functions for wildlife or special status plants or plant communities, and the hydrological functions of the exempted wetland are replaced to the satisfaction of the City Engineer.~~
- ~~10.6. Activities in wetlands in areas managed according to a special area management plan or other plan adopted by the City and specifically designed to protect wetland resources.~~
- ~~11.7. Maintenance activities of landscaping and gardens in a wetland buffer, including, but not limited to, mowing lawns, weeding, harvesting and replanting of garden crops, pruning and planting of vegetation to maintain the condition and appearance of the site existing on February 1, 1992.~~
- ~~12.8. Activities designed for previously approved maintenance and enhancement of wetlands.~~
- ~~13. Placement of access roads, utility lines and utility poles across a Category IV wetland and/or a buffer for a Category IV wetland if there is no reasonable alternative.~~
- ~~14.9. Site investigative work necessary for land use application submittals such as surveys, soil logs, percolation tests and other related activities.~~
- ~~15. Emergency action necessary to prevent imminent threat or danger to public health or safety, or to public or private property, or serious environmental degradation. The Department shall review all proposed emergency actions to determine the existence of the emergency and reasonableness of the proposed actions taken.~~
- ~~16.10. Activities undertaken to comply with the United States Environmental Protection Ecology Administrative Enforcement Order pursuant to the Model Toxins Control Act, including the following activities:~~
- a. Remediation or removal of hazardous or toxic substances;
  - b. Source control; and
  - c. Natural resource damage restoration.
- ~~17.11. Control of noxious weeds that are included on the state noxious weed list or listed on the Noxious Weeds Designated for Control or Eradication in Pierce County by the Pierce County Noxious Weed Control Board annual list. Control methods shall be subject to review and approval of an abatement plan by the Department that minimizes the impacts to the critical area and any associated buffers.~~
- ~~18.12. Activities undertaken on the site of an existing holding pond where the water flow and/or water table is controlled by a previously approved pump system.~~
- ~~A. Public storm water retention/detention facilities may be constructed within Category II, III and IV wetlands or their buffers; provided, that the following conditions are met: (1) no untreated storm water is released directly into the~~

~~wetlands; (2) water levels are monitored annually to ensure that preexisting functions and values of the wetland are not significantly lost through fluctuations in wetland hydrology; (3) maintenance activity within the wetland is limited to removal of invasive vegetation and/or removal of sediment accumulation at inflow structures in a manner acceptable to the Community and Economic Development Department; (4) there is no loss of wetland area; (5) all construction activity is conducted in accordance with accepted BMPs; and (6) the storm water management activity shall not adversely affect the hydro-period of the wetland or adversely affect water quality.~~

~~— Storm water conveyance facilities such as bio-swales, culverts, and open trenches, that are not designed to drain wetlands, may be placed within required buffers for Category I, II, III and IV wetlands, subject to meeting the conditions listed above. This conditional exemption would not apply in situations where there are threatened or endangered species, or sensitive plants, unless approved by the State Department of Fish and Wildlife or Department of Natural Resources, respectively. All permits from other regulatory agencies must be obtained.~~

~~B. — A residential building permit for a lot which was subject to previous reports and assessments as required under this title; provided, that the previous reports and assessments adequately identified the impacts associated with the current development proposal.~~

~~The installation of an on-site sewage disposal system for a single or two family dwelling may be permitted within an aquifer recharge area, subject to the issuance of a permit by the Tacoma Pierce County Health Department (TPCHD) according to all Washington State Department of Health and Tacoma Pierce County Board of Health requirements for on-site sewage disposal. The TPCHD shall verify and notify the applicant or applicant's agent that the approval of the on-site sewage disposal system design complies with all Washington State Department of Health and Tacoma Pierce County Board of Health requirements. The development shall otherwise be subject to all of the other requirements and restrictions of this title (including exclusion from other identified critical areas), the Lakewood Municipal Code, and other applicable state and federal law. [Ord. 362 § 3, 2004.]~~

#### 14.142.080 Reasonable use exception.

A. If the application of this title would deny all reasonable use of a site, development may be allowed which is consistent with the general purposes of this title and the public interest.

B. Nothing in this title is intended to preclude all reasonable use of property. An applicant for a development proposal may file a request for a reasonable use exception which shall be considered as a Process III permit action by the City Hearing Examiner at a public hearing, following notice, as required by the City Zoning Code. The request shall include the following information:

1. A description of the areas of the site which are critical areas and/or natural resource lands or within buffers required under this title;
2. A description of the amount of the site which is within setbacks required

by other standards of the Zoning Code;

3. A description of the proposed development, including a site plan;
4. An analysis of the impact that the amount of development described in subsection [\(B\)\(3\)](#) of this section would have on the natural resource land(s) or critical area(s);
5. An analysis of what other reasonable uses with less impact on the natural resource land(s) or critical area(s) and associated buffer(s) are possible;
6. A design of the proposal so that the amount of development proposed as reasonable use will have the least impact practicable on the natural resource land(s) and/or critical area(s);

[7.](#) An analysis of the modifications needed to the standards of this title to accommodate the proposed development;

[7.8.](#) [Demonstration of legal lot status;](#)

[8.9.](#) A description of any modifications needed to the required front, side and rear setbacks; building height; and buffer widths to provide for a reasonable use while providing greater protection to the critical area(s) and/or natural resource land(s); and

[9.10.](#) Such other information as the Department determines is reasonably necessary to evaluate the issue of reasonable use as it relates to the proposed development.

[10.11.](#) The Department will forward a copy of a request for reasonable use exception to the Washington State Departments of Fish and Wildlife and Ecology for review, comment, and recommendation.

C. The Hearing Examiner may approve the reasonable use exception, if the Examiner determines the following criteria are met:

1. There is no other reasonable use to the proposed development with less impact on the natural resource land(s) and/or critical area(s); and
2. The proposed development does not pose a threat to the public health, safety or welfare on or off the site; and
3. Any alteration of the natural resource land(s) and/or critical area(s) shall be the minimum necessary to allow for reasonable use of the property; and
4. The [subject property is an existing legal lot as demonstrated in this section, and the](#) inability of the applicant to derive reasonable use of the property is not the result of actions by the applicant in subdividing the property or adjusting a boundary line thereby creating the undevelopable condition after October 8, 1991 (the effective date of Pierce County Critical Areas Regulations); and
5. The proposal mitigates the impacts on the natural resource land(s) and/or critical area(s) to the maximum extent possible, while still allowing reasonable use of the site.
6. For reasonable use exceptions involving wetlands, the additional requirements of LMC [14.162.090\(D\)](#) shall apply.

D. Where appropriate in the context of LMC [14.142.110](#), the City shall give preference to the modification of the development standards set forth in the Land Use and Development Code (LMC Title [18A](#)) as the first method to accommodate reasonable development on lots constrained by critical areas and/or their buffers. [Ord. 362 § 3, 2004.]



14.142.090 Reasonable use exception and modification of critical area requirements for individual single-family residences.

The purpose of this section is to provide an alternative to the full reasonable use exception process for an individual single-family residence on an existing, legal lot, while minimizing impacts to critical areas. The Director shall have the authority to grant minor variances and/or reasonable use exceptions to modify or waive some or all of the requirements of this chapter in accordance with the provisions of this section, subject to the following procedure:

A. The applicant for the modification or waiver of critical area requirements shall submit any critical area special studies following a preapplication review meeting as well as such other documents or studies, as requested by the Director.

B. The Director may adjust critical area requirements or grant minor variances for single-family residence applications provided:

1. The proposal is the minimum necessary to accommodate the building footprint and access. In no case, however, shall the building footprint and outdoor activity areas encroaching into the critical area or required buffer exceed 7,000 square feet;

2. Access shall be located so as to have the least impact on the critical area and its buffer;

3. The proposal shall be designed to preserve the functions and values of the critical area(s) to the maximum extent possible;

~~4.~~ Adverse impacts resulting from alterations of steep slopes shall be minimized;

~~4.5.~~ The property is an existing legal lot;

~~5.6.~~ The proposal includes on-site mitigation to the maximum extent possible;

~~6.7.~~ The proposal will not significantly affect drainage capabilities, flood potential, and steep slopes and landslide hazards on neighboring properties; and

~~7.8.~~ The proposal first develops noncritical area land, then the critical area buffer before the critical area itself is developed.

C. The Director may require reasonable, noncompensatory mitigation measures to mitigate and minimize the loss of the functions and values of the critical areas and may impose mitigating conditions to the modification, waiver or variance in order to meet the standards of this subsection.

D. Modifications pursuant to this chapter that relate only to the buffer requirements for single-family residential permits shall be reviewed and decided as a Process 1 determination in conjunction with the building permit application. Modifications that would impinge upon the critical area itself or require an administrative building setback variance shall be reviewed and decided using Process 2 procedures.

E. This section shall not apply to the following critical areas:

1. Steep slope hazard areas that are unmitigatable landslide hazard areas;

2. Steep slope hazard areas of slope greater than 70 percent where either the lot or slope are abutting and above a Class I or II wetland stream, and associated buffer, or an open storm water conveyance system.

14.142.100 Review Process.

A. The Department shall perform a critical areas and natural resource lands

review of any City permit or approval requested for any regulated activity including, but not limited to, those set forth in LMC [14.142.060](#), on a site which includes or is adjacent to or abutting one or more natural resource lands or critical areas and their buffers, unless otherwise provided in this title.

B. As part of all development applications:

1. The Department shall review the information submitted by the applicant to:
  - a. Confirm the nature and type of the natural resource land and/or critical area and evaluate any required studies;
  - b. Determine whether the development proposal is consistent with this title;
  - c. Determine whether any proposed alterations to the site containing natural resource lands or critical areas are necessary;
  - d. Determine if the mitigation and monitoring plans proposed by the applicant are sufficient to protect the public health, safety and welfare consistent with the goals, purposes, objectives and requirements of this title; and
  - d.e. Confirm that the proposed activity or development will result in no net loss of ecological function, pursuant to WAC 365-196-830(4). Mitigation sequencing, if required, shall comply with the mitigation sequencing requirements established in LMC 14.142.135.

C. A threshold determination may not be made prior to Departmental review of any special studies or technical reports required by this title, except where the applicant requests a declaration-determination of significance so that environmental review is required.

D. The City may approve, approve with conditions, or deny any development proposal in order to comply with the requirements and carry out the goals, purposes, objectives and requirements of this title.

E. Approval of a development proposal does not discharge the obligation of the applicant or any successors in interest to comply with the provisions of this title. [Ord. 362 § 3, 2004.]

#### 14.142.110 Variances.

Variance applications for exceptions to the development standards of the City's Land Use and Development Code may be used as a method for reducing impacts to critical areas. The City's Hearing Examiner or Community Development Director may consider impacts to critical areas as an undue hardship, and as a basis for finding that unique circumstances apply to a specific property in support of the granting of variances. Variance applications shall be considered by the City according to variance procedures in the City Land Use and Development Code. [Ord. 362 § 3, 2004.]

#### 14.142.120 Current use assessment.

A. The Department shall notify the Assessor-Treasurer's Office when restrictions on development occur on a particular site.

B. The City shall provide the Assessor-Treasurer's Office with relevant information

regarding critical areas and buffering requirements of this chapter in determining the fair market value of the land. Any owner of an undeveloped buffer which has been placed in a separate tract or tracts, protective easement, public or private land trust dedication, or other similarly preserved area may petition the County Assessor-Treasurer's Office to have that portion of land assessed consistent with those restrictions. [Ord. 362 § 3, 2004.]

#### 14.142.130 Compliance provisions.

##### A. General Provisions.

1. The Department shall have authority to enforce this title, any rule or regulation adopted, and any permit, order or approval issued pursuant to this title, against any violation or threatened violation thereof. The Department is authorized to issue civil infraction citations and administrative orders, levy fines, and/or institute legal actions in court including prosecution of misdemeanor violations. Recourse to any single remedy shall not preclude recourse to any of the other remedies. Each violation of this title, or any rule or regulation adopted, or any permit, permit condition, approval or order issued pursuant to this title, shall be a separate offense, and, in the case of a continuing violation, each day's continuance shall be deemed to be a separate and distinct offense. An application for a required permit, when pursued in good faith, shall stay the accumulation of violations. All costs, fees, and expenses in connection with enforcement actions may be recovered as damages against the violator.
2. The Department is authorized to make site inspections and take such actions as necessary to enforce this title. A Department representative may enter private property with the consent of the owner or occupant or pursuant to a warrant.
3. The Department shall have the authority to order restoration, rehabilitation or replacement measures to compensate for the destruction or degradation of critical areas or natural resource lands at the owner's expense.
4. The Department may bring appropriate actions at law or equity, including actions for injunctive relief, to ensure that no uses are made of critical areas or buffers which are inconsistent with this title. Enforcement actions shall include civil infractions, administrative orders, prosecution of misdemeanors, and actions for damages and restoration.
5. *Aiding or Abetting.* Any person who, through an act of commission or omission procures, aids or abets in the violation shall be considered to have committed a violation of this title.
6. Any person found to have violated any provision of this title or who knowingly makes a false statement, representation or certification in any application, record or other document filed or required to be maintained under this title or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device, record or methodology required to be maintained pursuant to this title shall be guilty of a misdemeanor, punishable by up to 90 days in jail and/or a fine of up to \$1,000.
7. Orders and penalties issued pursuant to this section may be appealed as provided for by this title.

##### B. Administrative Orders.

1. The Department may serve an administrative order when any person makes or partakes in any use of land, development or any activity on regulated critical areas and/or buffers in violation of this title. The order shall include the following:

- a. A description of the specific nature, location, extent and time of violation. The order may include the damage or potential damage resulting from the violation.
  - b. A notice that the violation or the potential violation cease and desist or, in appropriate cases, the specific corrective action to be taken within a given time. A civil penalty may be issued with the order.
  - c. *Effective Date.* The cease and desist order issued under this section shall become effective immediately upon receipt by the person to whom the order is directed.
  - d. *Compliance.* Failure to comply with the terms of an administrative order can result in enforcement actions including, but not limited to, the issuance of a civil penalty.
  - e. The order may include specific corrective measures to be taken to mitigate environmental damage.
  - f. The order shall state that a hearing may be requested by an affected party by sending a written request for a hearing to the Hearing Examiner within 10 days of the receipt of said order and upon payment of the applicable appeal fee.
  - g. Failure to comply with the terms and provisions of an administrative order issued under this title shall constitute public nuisance and may be abated and prosecuted according to applicable law including Chapter [8.16](#) LMC and Chapters [7.48](#) and [9.66](#) RCW.
  - h. Administrative orders pursuant to this title shall be served upon the property owner or person or party occupying the property by personal service or by mailing a copy of the order by certified mail, postage prepaid, return receipt requested, to the property owner at the property address or to the mailing address listed upon public records regarding the property. In the event that personal service or certified mail service cannot be completed, or the property owner cannot be identified or located, service of the order may be achieved by posting the administrative order in a conspicuous location upon the property.
2. Any person who undertakes any activity within a regulated critical area or buffer without first obtaining an approval required by this title, or who violates one or more conditions of any approval required by this title, shall be subject to a Class 2 civil infraction citation with a mandatory \$250.00 fine. Any person who violates one or more conditions of administrative order issued under this title may be subject to prosecution for a misdemeanor, and a maximum penalty of 90 days in jail and/or a \$1,000 fine may be imposed. Each violation and, in the case of a continuing violation, each violation and each day of activity without a required approval shall be a separate and distinct violation. An application for a required permit, when pursued in good faith, shall stay the accumulation of violations. The penalty provided shall be appealable as provided by law.

c. *Penalties and Enforcement.* Any person, party, firm, corporation or other legal entity convicted of violating any of the provisions of this title, shall be guilty of a civil infraction or misdemeanor. Each day or portion of a day during which a violation of this title is continued, committed, or permitted shall constitute a separate offense. Any development carried out contrary to the provisions of this title shall constitute a public nuisance and may be enjoined as provided by the statutes of the state of Washington.

D. Suspension and Revocation. In addition to other penalties provided for elsewhere, the Department may suspend or revoke any project permit approval if it finds that the applicant has not complied with any or all of the conditions or limitations set forth in the approval, has exceeded the scope of work set forth in the approval, or has failed to undertake the project in the manner set forth in the approved application. [Ord. 362 § 3, 2004.]

#### 14.142.135 General mitigation requirements

Mitigation must be sufficient to restore impacted functions and values, or compensate for the impacted functions and values, of the critical area and to prevent risk from a hazard posed to a critical area by the proposed activity. Mitigation must not be implemented until after the Department has provided approval of a critical areas report that includes a mitigation plan.

A. Mitigation Sequencing. This section applies to mitigation required with all critical areas reviews, approvals, and enforcement pursuant to this chapter. This section is supplemented with specific measures under sections for particular critical area types. Mitigation for specific development proposals may include a combination of the measures below and must be designed and constructed in accordance with the provisions of this section. Before impacting any critical areas, an applicant must demonstrate that the following actions have been taken in the following sequential order:

1. Avoiding the impact altogether by not taking a certain action or parts of actions;
2. Minimizing impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology, or by taking affirmative steps, such as project redesign, relocation, or timing, to avoid or reduce impacts;
3. Rectifying the impact by repairing, rehabilitating, or restoring the affected environment or by restoring or stabilizing the critical area through natural, engineering, or other methods;
4. Reducing or eliminating the impacts or hazard over time by preservation and maintenance operations during the life of the action;
5. Compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and/or
6. Monitoring, measuring and reporting the impact to the decision-maker and taking appropriate corrective measures.

A.B. Applicants must first demonstrate an inability to avoid or reduce impacts before the use of actions to mitigate potential impacts will be allowed. No activity or use may be allowed that results in a net loss of the functions or values of a critical area.

C. Type, Location and Timing of Mitigation. Unless it is demonstrated that higher levels of ecological functioning or greater reduction of hazard risk would result from an alternative approach or as otherwise allowed in this chapter, mitigation for adverse impacts must be based on best available science and must be in-kind, on site, and prior to the activities that will disturb the critical area. Mitigation measures that cannot be implemented prior to the critical area impacts must be completed immediately following disturbance and prior to use or occupancy of the action or development. Construction of mitigation projects must be timed to reduce impacts to existing fisheries, wildlife, and flora.

1. The Department may authorize a one-time temporary delay in completing construction or installation of the mitigation when the applicant provides a written explanation from a qualified professional as to the rationale for the delay and satisfactory financial guarantee that the installation will occur. An appropriate rationale would include identification of the environmental conditions that could produce a high probability of failure or significant construction difficulties (e.g., project delay lapses past a fisheries window, or installing plants should be delayed until the dormant season to ensure greater survival of installed materials). The delay must not create or perpetuate hazardous conditions or environmental damage or degradation, and the delay must not be injurious to the health, safety, or general welfare of the public.

14.142.138      General critical areas report requirements.

Critical area reports shall be prepared for nonexempt proposed developments containing critical areas or their buffers. In addition to information required in specific critical area chapters, the critical area reports shall:



A. Be prepared by qualified experts as defined in WAC 365-195-905(4). The following list shows the type of critical area report and the related professional discipline:

1. Wetlands: wetland biologist.
2. Critical aquifer recharge areas: hydrogeologist or geologist.
3. Floodplains: hydrologist or engineer.
4. Geologically hazardous areas: engineer or geologist.
- 1.5. Fish and wildlife habitats: biologist.

A.B. Incorporate best available science.

B.C. Cover a study area large enough to understand relationships with important off-site factors and identify any nearby critical area whose buffer extends onto the project site.

D. Contain the following:

1. Name and contact information of the applicant, description of the proposed development, and identification of required permits;
2. Site plan drawn to scale of no less than one inch equals 100 feet showing critical areas, buffers, existing structures, and proposed structures, clearing, grading, and stormwater management;
3. Characterization of critical areas and buffers;
4. Assessment of the probable impact of the development proposal on critical areas;
5. Analysis of site development alternatives;
6. Detailed explanation of how the project is consistent with each of the mitigation sequencing standards identified in LMC 14.142.135;
7. An analysis of the anticipated impacts on functions and values;
8. Evaluation of compliance with this title's substantive requirements applicable to the proposed development;
9. If impacts to the buffer or critical area are proposed the report shall include:
  - a. A strategy for mitigating the impacts, including site selection factors;
  - b. An analysis of the existing and anticipated functions and values at the mitigation site, including an assessment of risks; and
  - c. A review of the best available science relative to the proposed mitigation;
10. Additional information as required in the chapter corresponding to the type of critical area;
11. Documentation of who prepared the report and when, with fieldwork and data sheets;
12. Statement specifying the accuracy of the report and assumptions relied upon;
- 1.13. Additional information as required by the director.

E. When the contents of a critical area report determine that a proposed development requires compensatory mitigation and the mitigation approach proposed is acceptable to the city, a separate stand-alone mitigation plan shall be prepared in accordance with the specific requirements of other chapters in this title. The mitigation plan will be submitted once the director accepts the findings of the critical areas report.

14.142.140 Appeal procedures.

Requests for reconsideration and appeals of a decision issued under this title shall be considered by the City according to procedures provided in the City's Land Use and Development Code for the underlying permit or entitlement, or as an appeal of an administrative decision. [Ord. 362 § 3, 2004.]

14.142.160 Fees.

The City shall establish an appropriate fee structure for permit processing and technical review by separate resolution. [Ord. 362 § 1, 2004.]

14.142.170 Title and plat notification.

If more than one critical areas/resource lands exist on the site subject to the provisions of this title, then one notice which addresses all of the critical areas/resource lands shall be sufficient. [Ord. 362 § 3, 2004.]

14.142.180 Nonconforming uses, structures, and lots.

An established use or existing structure that was lawfully permitted prior to adoption of this chapter, but which is not in compliance with this chapter, or a legal lot that does not meet minimum lot area and other dimensional requirements of Title 18A, or that was created or altered prior to February 28, 1996, may continue or be developed subject to the following requirements of Title 18A.

Nonconforming uses:

- ~~— Nonconforming uses shall not be expanded, or changed in any way that increases the nonconformity without a permit issued pursuant to the provisions of this chapter;~~
- ~~— Activities or uses which are discontinued for 12 consecutive months shall be allowed to resume only if they are in compliance with this chapter;~~
- ~~— If a structure housing a nonconforming use is destroyed to any extent by fire or other casualty not intentionally caused by the owner, the structure may be rebuilt or restored and the nonconforming use reestablished subject to the following requirements:
  - ~~— The nonconformity is certified by the Department;~~
  - ~~— A complete building permit application is filed within one year of such fire or other casualty; and~~
  - ~~— Construction is commenced within one year of such fire or other casualty and is substantially completed within 18 months of the date such damage occurred in conformance with the provisions of the building and fire code then in effect.~~~~

Nonconforming structures:

- ~~1. Existing structures shall not be expanded or altered in any manner~~

~~which will increase the nonconformity without a permit issued pursuant to the provisions of this chapter, except one family dwellings and accessory structures may be expanded or altered as provided in LMC 14.142.070(G);~~

~~B.—Activities or uses which are discontinued for 12 consecutive months shall be allowed to resume only if they are in compliance with this chapter; and~~

~~—Nonconforming structures destroyed by fire, explosion, or other casualty may be replaced or restored if reconstruction is commenced within one year of such damage and is substantially completed within 18 months of the date such damage occurred. The reconstruction or restoration shall not serve to expand, enlarge or increase the nonconformity.~~

~~—Nonconforming lots. A nonconforming lot may be developed if permitted by other land use regulations in this or other titles subject to conformity with the Shoreline Master Program as adopted and amended and with all other applicable code requirements;~~

~~—In the Residential 1 through Residential 4 zones, a single family dwelling may be erected on any single legal lot as defined in the Lakewood Municipal Code. A lot shall meet the following criteria, as applicable:~~

~~—A lot created by the subdivision process established in Title 17 in accordance with Chapter 58.17 RCW;~~

~~—A lot that was created prior to February 28, 1996;~~

~~—Any lot that met minimum lot area requirements under the regulations of Pierce County prior to incorporation or annexation into the City of Lakewood; and~~

~~—A lot reduced below minimum lot size requirements as a result of public acquisitions of property.~~

~~—In the mixed residential, multifamily, commercial, or industrial districts, any substandard lot may be used for any of the uses permitted in the respective zone, subject to the requirements of this Title, provided:~~

~~—All such lots meet the definition of “nonconforming lot” as defined in this title and not having been merged or otherwise created illegally;~~

~~—Commercial or industrial lots created through the binding site plan process established in Chapters 17.30 or 17.34 of this code are exempt from this section; and~~

~~a.—The use complies with all other requirements of this title. [Ord. 362 § 3, 2004.]~~

#### 14.142.190 Administrative procedures and technical criteria.

The Department shall develop administrative procedures, including technical requirements, to guide decision making in implementing provisions of this chapter. In particular, the Department shall adopt procedures for determining the category of specific wetlands. In so doing, the Department shall solicit the views of wetland specialists, ecologists, developers and interested citizens. Administrative procedures can be modified from time to time, and can include material by reference to state or federal criteria subject to notice to the public and consideration of public views and input. Administrative procedures shall be made available to the public upon request, and shall be consistent with the provisions of this chapter. Upon request, the

Department shall provide the City Council with copies of all administrative procedures, including modifications, to ensure consistency with the provisions of this chapter. [Ord. 362 § 3, 2004.]

14.142.200 Severability.

If any provision of this title or any of its subsections, or its application to any person or circumstance is held invalid, the remainder of this regulation or the application of the provision to other persons or circumstances shall not be affected. [Ord. 362 § 3, 2004.]

Chapter 14.146 GEOLOGICALLY HAZARDOUS AREAS\*

Sections:

14.146.010

Purpose.

**14.146.020**

**Designation of erosion and landslide hazard areas.**

**14.146.030**

**Protection standards for erosion and landslide hazard areas.**

**14.146.040**

**Designation of seismic hazard areas.**

**14.146.050**

**Protection standards in seismic hazard areas.**

**14.146.060**

**Designation of mine hazard areas.**

**14.146.070**

**Protection standards in mine hazard areas.**

\* **Prior legislation note:** Ord. [362](#) repealed provisions concerning geologically hazardous areas that were formerly in this chapter, based on the provisions of Ord. [56](#).

#### 14.146.010 Purpose.

The ~~intent behind purpose for~~ the classification and designation of geologically hazardous areas is to classify and designate areas on which development should be prohibited, restricted, or otherwise controlled because of danger from geological hazards. For purposes of this title, geologically hazardous areas include the following: ~~areas susceptible to erosion, and landslide hazard areas sliding, earthquake or other geological events that pose a threat to the health and safety of citizens when incompatible development is sited in areas of significant hazard, and seismic hazard areas and other hazard areas subject to geological events such as coal mine hazards and volcanic hazards including mass wasting, debris flow, rock falls, and differential settlement.~~ [Ord. 362 § 3, 2004.]

#### 14.146.020 Designation of erosion and landslide hazard areas.

A. *General.* Erosion hazard areas are those areas that because of natural characteristics, including vegetative cover, soil texture, slope, gradient, and rainfall patterns, or human-induced changes to such characteristics, are vulnerable to erosion ~~and likely to become unstable.~~ Landslide hazard areas are areas potentially subject to risk of mass movement due to a combination of geologic, topographic, and hydrologic factors. ~~Mine hazard areas include those areas underlain by, adjacent to, or affected by mine working such as adits, gangways, tunnels, drifts, or air shafts.~~

#### B. *Classification.*

##### 1. *Criteria.*

a. Erosion hazard areas are identified by the presence of vegetative cover, soil texture, slope, and rainfall patterns, or human-induced changes to such characteristics, which create site conditions which are vulnerable to erosion. Erosion hazard areas are those areas that are classified as having moderate to severe, severe or very severe erosion potential by the Soil Conservation Service, United States Department of Agriculture (USDA). The geologic units considered as potential erosion hazards within areas of slopes greater than 15 percent may consist of the following: m (modified land), Qal (alluvium), Qw (wetland deposits), Qb (beach deposits), Qtf (tide flat deposits), Qls (landslide deposits), Qf (fan deposits), the Qvr and Qvs series (Vashon recessional outwash, and Steilacoom Gravel), and Qvi (ice contact deposits). These units are identified because of density and composition. ~~Erosion hazard areas may also include:~~

~~i. Areas susceptible to rapid stream incision and stream bank erosion;~~

~~ii. Areas located within on-quarter mile of an active fault as indicated on Scientific Investigations Maps (SIM) or described in studies by the United States Geological Survey, Geology and Earth Resources Division of the Washington Department of Natural Resources, or other documents authorized by government agencies, or identified during site inspection.~~

b. Landslide hazard areas are those areas ~~subject to landslide because of any combination of bedrock, soil, slope (gradient), slope aspect, structure, hydrology, or other factors~~ meeting any of the following criteria:

~~i. Areas of historic failures, such as:~~

~~(A) Those areas delineated by the United States Department of Agriculture~~



Natural Resources Conservation Service as having significant limitation for building site development;

(B) Those areas mapped by the Department of Ecology Coastal Zone Atlas of the Department of Natural Resources slope stability mapping as unstable ("U" or class 3), unstable old slides ("UOS" or class 4), or unstable recent slides ("URS" or class 5); or

(A)(C) Areas designated as quaternary slumps, earthflows, mudflows, lahars, or landslides on maps published by the United States Geological Survey or Washington Department of Natural Resources.

ii. Areas with all three of the following characteristics:

(A) Slopes steeper than 15 percent; and

(B) Hillside intersecting geologic contacts with a relatively permeable sediment overlying a relatively impermeable sediment or bedrock; and

(C) Springs or ground water seepage;

iii. Areas that have shown movement during the Holocene epoch (from 10,000 years ago to the present) or which are underlain by mass wastage debris of this epoch;

iii.iv. Slopes that are parallel or sub-parallel to planes of weakness; (such as bedding planes, joint systems, and fault planes); in subsurface materials;

iv.v. Slopes having gradients steeper than 80 percent subject to rockfall during seismic shaking;

vi. Areas potentially unstable as a result of rapid stream incision, streambank erosion, and undercutting by wave action, including stream channel migration zones;

v.vii. Areas that show evidence of, or are at risk from snow avalanches;

vi.viii. Areas located in a canyon or on an active alluvial fan, presently or potentially subject to inundation by debris flows or catastrophic flooding;

viii.ix. Any area with a slope of ~~30~~ 40 percent or steeper and with a vertical relief of 10 or more feet except areas composed of bedrock. A slope is delineated by establishing the toe and top and measured by averaging the inclination over at least 10 feet of vertical relief.;

viii. Areas which have a "severe" limitation for building site development because of slope conditions, according to the Soil Conservation Service.

2. *Mapping.* Areas meeting the criteria established above may be delineated in, but not limited to, the following documents:

a. Soil Survey of Pierce County Area, Washington, 1979, Soil Conservation Service, United States Department of Agriculture (USDA) For erosion hazard areas, Cities and Counties may consult the United States Department of Agriculture Natural Resources Conservation Service;

b. Coastal Zone Atlas for Washington, Washington Department of Ecology;

c. Areas designated as slumps, earthflows, mudflows, lahars, or landslides on ~~m~~ Maps published by the United States Geological Survey or Washington Department of Natural Resources Division of Geology and Earth Resources;

d. Geologic Map of the Steilacoom 7.5-Minute Quadrangle, Washington 2003. [Ord. 362 § 3, 2004.]

14.146.030 Protection standards for erosion and landslide hazard areas.

A. *Prohibited Development Areas.* In areas meeting all three of the following characteristics, no structure or disturbance of vegetation is permitted:

1. An area with a slope of 100 percent or steeper (45 degrees); and
2. Hillside intersecting geological contacts with a relatively permeable sediment overlying a relatively impermeable sediment or bedrock; and
3. Springs or ground water seepage.

B. *Regulation – Geotechnical Report Required.* For all regulated activities proposed within landslide and erosion hazard areas, a geotechnical report prepared by a professional geotechnical engineer or geologist licensed by the state of Washington shall be submitted (see subsection [\(B\)\(2\)](#) of this section). Where the applicant can clearly demonstrate to the Department through submittal of a geological assessment (see subsection [\(B\)\(1\)](#) of this section) that the regulated activity or any related site alterations will not occur within the landslide or erosion hazard area or any associated buffers, the requirements for a geotechnical report may be waived. A geological assessment may be prepared by a professional engineer licensed by the state of Washington with expertise in geotechnical engineering or by a professional geologist/hydrologist or soils scientist who has earned a bachelor's degree in geology, hydrology, soils science, or closely related field from an accredited college or university, or equivalent educational training, and has at least five years experience assessing erosion and landslide hazards.

1. *Geological Assessments.*

- a. Should the applicant question the presence of landslide or erosion hazard areas on the site, the applicant may submit a geological assessment.
- b. The geological assessment shall include at a minimum the following:
  - i. A description of the topography, surface and subsurface hydrology, soils, geology, and vegetation of the site; and
  - ii. An evaluation of the analysis area's inherent landslide and erosion hazards; and
  - iii. A site plan of the area delineating all areas of the site subject to landslide and erosion hazards, based on mapping and criteria referenced in LMC [14.146.020](#).

The submittal must include a contour map of the proposed site, at a scale of one inch equals 20 feet or as deemed appropriate by the Department. Slopes shall be clearly delineated for the ranges between 15 and 29 percent, and 30 percent or greater, including figures for aerial coverage of each slope category on the site. When site specific conditions indicate the necessity, the Department may require the topographic data to be field surveyed.

2. *Geotechnical Reports.* The geotechnical report shall be prepared by a professional geotechnical engineer or geologist licensed by the state of Washington, and shall address the existing geologic, topographic, and hydrologic conditions on a site, including an evaluation of the ability of the site to accommodate the proposed activity. The geotechnical report shall include at a minimum the following:

- a. *Site Geology Information Required.*
  - i. *Topographic Data.* Submittal must include a contour map of the proposed site, at a scale of one inch equals 20 feet or as deemed appropriate by the Department. Slopes shall be clearly delineated for the ranges

between 15 and 29 percent, and 30 percent or greater, including figures for aerial coverage of each slope category on the site. When site specific conditions indicate the necessity, the Department may require the topographic data to be field surveyed.

ii. *Subsurface Data.* Submittal must include boring logs and exploration methods; soil and rock stratification, ground water levels and seasonal changes of ground water levels. Subsurface data shall include any evidence of the presence of any organic fill or other conditions that would have the potential to affect buildings or development on the site.

iii. *Site History.* Submittal must include a description of any prior grading, soil instability, or slope failure.

iv. *Seismic Hazard.* Submittal of data concerning the vulnerability of the site to seismic events, including potential for liquefaction of soils.

b. *Geotechnical Engineering Information Required.*

i. Slope stability studies and opinion(s) of slope stability for the predeveloped and post- developed condition. Site specific setbacks and buffers from landslide hazard areas should be based on the results of the stability analysis;

ii. Proposed angles of cut and fill slopes and site grading requirements;

iii. Structural foundation requirements and estimated foundation settlements;

iv. Soil compaction criteria;

v. Proposed surface and subsurface drainage;

vi. Lateral earth pressures;

vii. Vulnerability of the site to erosion;

viii. Suitability of on-site soil for use as fill;

ix. Laboratory data and soil index properties for soil samples; and

x. Building limitations.

Where a valid geotechnical report has been prepared within the last five years for a specific site, and where the proposed land use activity and surrounding site conditions are unchanged, said report may be utilized and a new report may not be required. If any changed environmental conditions are associated with the site, or surrounding the site, the applicant shall submit an amendment to the geotechnical report.

The development proposal may be approved, approved with conditions, or denied based on the Department's evaluation of the ability of the proposed mitigation measures to reduce risks associated with the erosion and landslide hazard area.

3. *Protection – Performance Standards.* The Department shall evaluate all geotechnical reports for landslide and erosion hazard areas to ensure that the following standards are met:

a. *Location and Extent of Development.*

i. Development shall be located to minimize disturbance and removal of vegetation;

ii. Structures shall be clustered where possible to reduce disturbance and maintain natural topographic character; and

iii. Structures shall conform to the natural contours of the slope and foundations should be tiered where possible to conform to existing

topography of the site.

b. *Design of Development.*

- i. All development proposals shall be designed to minimize the building footprint and other disturbed areas within the identified geologically hazardous area;
- ii. All development shall be designed to minimize impervious lot coverage;
- iii. Roads, walkways and parking areas shall be designed to parallel the natural contours;
- iv. Access ways shall be designed to avoid geological hazards to the extent feasible. If hazardous areas cannot be avoided, then hazards shall be mitigated as directed by a professional engineer licensed by the state of Washington.

The Department may approve, approve with conditions, or deny development proposals based on these performance standards.

4. *Protection – Buffer Requirement.* A buffer, consisting of undisturbed natural vegetation, and measured in a perpendicular direction from all landslide and erosion hazard areas, shall be required from the top of slope and toe of slope of all landslide or erosion hazard areas that measure 10 feet or more in vertical elevation change from top to toe of slope, as identified in the geotechnical report, maps, and field-checking. The minimum buffer distance requirements from the top of slope and toe of slope of landslide or erosion hazard areas shall be at least 50 percent the value of the slope's height, not exceeding 15 feet, for structures at the base of a slope and at least 33.3 percent the value of the slope's height, not exceeding 40 feet or as otherwise specified in the International Building Code Section 1808.7 or as otherwise amended; the same as for setbacks from slopes as identified in the International Building Code Section 1805.3, as may be amended by the State Building Code Council; or as indicated by a site-specific geotechnical report. In addition, a setback from the buffer area shall be provided as described in subsection (B)(6) of this section. In no case shall the building setback from the top, sides and toe of a landslide hazard area be less than 10 feet.

To increase the functional attributes of the buffer, the Department may require that the buffer be enhanced through planting of appropriate native species that will provide effective protection against erosion and landslides. The edge of the buffer area shall be clearly staked, flagged, and fenced prior to any site clearing or construction. The buffer boundary markers shall be clearly visible, durable, and permanently affixed to the ground. Site-clearing shall not commence until the engineer has submitted written notice to the Department that buffer requirements of this chapter are met. Field-marking shall remain until all construction and clearing phases are completed, and final approval has been granted by the Department. The identified critical area and buffer shall be placed in a separate critical area tract or tracts, protective easement, public or private land trust dedication, or similarly preserved through an appropriate permanent protective mechanism as determined by the Department.

5. *Modifications to Buffer Width.* When the geotechnical report demonstrates that a lesser buffer distance, and design and engineering solutions, will meet the intent of this chapter, such reduced buffer and design and engineering solutions may be permitted. Should the geotechnical report indicate that a greater buffer

than that required by subsection [\(B\)\(4\)](#) of this section is needed to meet the intent of this chapter, the greater buffer shall be required.

6. *Building Setback and Construction Near Buffer.* Eight-foot minimum setback lines shall be required from the buffer area required in subsection [\(B\)\(4\)](#) of this section, for construction of any impervious surface(s) greater than 120 square feet of base coverage. Clearing, grading, and filling within eight feet of the buffer shall only be allowed when the applicant can demonstrate that vegetation within the buffer will not be damaged.

7. *On-Site Sewage Disposal Systems.* On-site sewage disposal systems, including drain fields within landslide or erosion hazard areas and related buffers as identified in subsection [\(B\)\(4\)](#) of this section, shall meet all requirements of the Tacoma-Pierce County Board of Health and the Washington State Department of Health for on-site sewage disposal (Chapter [246-272](#) WAC).

8. *Erosion Control Plan.* Erosion control plans shall be required for all regulated activities in erosion hazard areas. The erosion control plans shall be consistent with the City Site Development Regulations, Section 3.04.

9. *Notification.*

a. *Title Notification.* The owner of any site within an erosion hazard or landslide hazard area, as identified in LMC [14.146.020](#), on which a development proposal is submitted, shall record a notice with the Pierce County Auditor in the form set forth below:

b. Form of notice:

EROSION OR LANDSLIDE HAZARD AREA NOTICE

Parcel Number: \_\_\_\_\_

Address: \_\_\_\_\_

Legal Description: \_\_\_\_\_

Present Owner: \_\_\_\_\_

Notice: This site lies within an erosion or landslide area as defined by Chapter 14. \_\_\_\_\_ of the Lakewood Municipal Code. The site was the subject of a development proposal for application number \_\_\_\_\_

filed on (date) \_\_\_\_\_

Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation. Review of such application has provided information on the location of the erosion or landslide hazard area and any restriction on use.

Signature of Owner(s) (NOTARY

ACKNOWLEDGMENT) \_\_\_\_\_

- c. *Plat Notification.* For all proposed short subdivision and subdivision proposals within erosion hazard or landslide hazard areas, the applicant shall include a note on the face of the plat. The note shall be as set forth below:

Notice: This site lies within or includes an erosion hazard or landslide hazard area as defined in Chapter [14.146](#) of the City Code. Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation.

[Ord. 362 § 3, 2004.]

14.146.040 Designation of seismic hazard areas.

A. *General.* ~~Seismic hazard areas are areas subject to severe risk of earthquake damage from seismically induced settlement or lateral spreading as a result of soil liquefaction in an area underlain by cohesionless soils of low density and usually in association with a shallow ground water table.~~ Seismic hazard areas must include areas subject to



severe risk of damage as a result of earthquake induced ground shaking, slope failure, settlement or subsidence, soil liquefaction, surface faulting, or tsunamis.

*B. Classification.*

1. *Criteria.* Seismic hazard areas are generally those areas susceptible to ground failure during seismic events. Failure can consist of soil liquefaction, slope failure, settlement, ground rupture, or lateral displacement. Settlement and soil liquefaction conditions occur in areas underlain by cohesionless soils, usually fine sand, of low density, typically in association with a shallow ground water table.
2. *Mapping.* Seismic hazard areas may be identified using the maps published by the United States Geological Survey or Washington Department of Natural Resources Division of Geology and Earth Resources and the Geologic Map of the Steilacoom 7.5-Minute Quadrangle, Washington 2003; and the “Preliminary Liquefaction Susceptibility Map of Pierce County, Washington, September 2003” published by the Washington Department of Natural Resources. [Ord. 362 § 3, 2004.]

14.146.050 Protection standards in seismic hazard areas.

A. *Regulation – Geotechnical Report Required.* For all regulated activities, except the construction of wood frame structures under 5,000 square feet, mobile homes, fences, and/or subdivision of property, proposed within seismic hazard areas, a geotechnical report prepared by a professional engineer licensed by the state of Washington with expertise in geotechnical engineering shall be submitted (see subsection [\(A\)\(2\)](#) of this section). Retaining walls may also be excluded from the requirement of a geotechnical report when the height of soil fills on the upper side are not in excess of four feet above the toe of the wall, backfills do not exceed a top surface slope of 4:1 (H:V), and there is no permanent structure existing or proposed within a distance of three times the height of the wall. Where an applicant can demonstrate through submittal of a geological assessment (see subsection [\(A\)\(1\)](#) of this section), that there are no seismic hazards on site, the requirement for the geotechnical report may be waived. A geological assessment may be prepared by a professional geotechnical engineer or by a professional geologist licensed by the state of Washington.

1. *Geological Assessments.*

- a. Should the applicant question the presence of seismic hazard areas on the site, the applicant may submit a geological assessment.
- b. The geological assessment shall include at a minimum the following:
  - i. A description of the topography, surface and subsurface hydrology, soils, geology, and vegetation of the site; and
  - ii. An evaluation of the analysis area’s inherent seismic hazards; and
  - iii. A site plan of the area delineating all areas of the site subject to seismic hazards, based on mapping and criteria referenced in LMC [14.146.040](#).

If the geological assessment demonstrates, to the satisfaction of the Department, that the proposed site is not located in any seismic hazard areas, based upon the criteria set forth in subsection [\(A\)\(1\)\(b\)](#) of this section, then the requirements of this section shall not apply.

2. *Geotechnical Report.* The geotechnical report shall be prepared by a professional engineer licensed by the state of Washington with experience in geotechnical

engineering and shall address the existing geologic, topographic, and hydrologic conditions on a site, including an evaluation of the ability of the site to accommodate the proposed activity. The geotechnical report shall include at a minimum the following:

- a. A discussion of the surface and subsurface geologic conditions of the site;
- b. A site plan of the area delineating all areas of the property subject to seismic hazards, based on mapping and criteria referenced in LMC [14.146.040](#);
- c. A discussion of mitigation measures which can be taken to reduce seismic risks associated from liquefaction, ground shaking, settlement or slope failure with the underlying surficial geology; and
- d. An evaluation of the effectiveness of the proposed mitigation measures. Where a valid geotechnical report has been prepared within the last five years for a specific site, and where the proposed land use activity and surrounding site conditions are unchanged, said report may be utilized and a new report may not be required. If any changed environmental conditions are associated with the site, or surrounding the site, the applicant shall submit an amendment to the geotechnical report.

The development proposal may be approved, approved with conditions, or denied based on the Department's evaluation of the ability of the proposed mitigation measures to reduce seismic risks associated with the underlying surficial geology.

3. *Notification.*

- a. *Title Notification.* The owner of any site within a seismic hazard area as identified in LMC [14.146.040](#), on which a development proposal is submitted, shall record a notice with the Pierce County Auditor in the form set forth below:

Form of Notice:

SEISMIC HAZARD AREA NOTICE

Parcel Number: \_\_\_\_\_

Address: \_\_\_\_\_

Legal Description: \_\_\_\_\_

Present Owner: \_\_\_\_\_

Notice: This site lies within a seismic hazard area as defined by Chapter [14.146](#) of the Lakewood Municipal Code. The site was the subject of a development proposal for application number \_\_\_\_\_ filed on (date) \_\_\_\_\_

Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation. Review of such application has provided information on the location of a seismic hazard area and any restrictions on use.

\_\_\_\_\_  
Signature of owner(s) NOTARY

\_\_\_\_\_  
ACKNOWLEDGMENT

- b. *Plat Notification.* For all proposed short subdivision and subdivision proposals within seismic hazard areas, the applicant shall include a note on the face of the plat. The note shall be as set forth below:

Notice: This site lies within a seismic hazard area as defined in Chapter [14.146](#), of the City Code. Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation.

[Ord. 362 § 3, 2004.]

14.146.060 Designation of ~~other~~ mine hazards areas.

- A. General. Mine hazard areas must include areas underlain by, adjacent to, or affected by mine working such as adits, gangways, tunnels, drifts, or air shafts.
- B. Classification.
1. Criteria. Proximity to development, depth from ground surface to the mine working, and geologic material are factors that should be considered in mine hazard areas.
  2. Mapping. Mine hazard areas may be identified using the Geologic Hazards Map published by the Department of Natural Resources Washington Geologic Survey. [Ord. TBD § TBD.]

14.146.70 Protection standards in mine hazard areas.

- A. Regulation – Geotechnical Report Required. For all regulated activities, except the construction of wood frame structures under 5,000 square feet, mobile homes, fences, and/or subdivision of property, proposed within mine hazard areas, a geotechnical report prepared by a professional engineer licensed by the state of Washington with expertise in geotechnical engineering shall be submitted (see subsection (A)(2) of this section). Retaining walls may also be excluded from the requirement of a geotechnical report when the height of soil fills on the upper side are not in excess of four feet above the toe of the wall, backfills do not exceed a top

surface slope of 4:1 (H:V), and there is no permanent structure existing or proposed within a distance of three times the height of the wall. Where an applicant can demonstrate through submittal of a geological assessment (see subsection (A)(1) of this section), that there are no mine hazards on site, the requirement for the geotechnical report may be waived. A geological assessment may be prepared by a professional geotechnical engineer or by a professional geologist licensed by the state of Washington.

1. Geological Assessments.

- a. Should the applicant question the presence of mine hazard areas on the site, the applicant may submit a geological assessment.
- b. The geological assessment shall include at a minimum the following:
  - i. A description of the topography, surface and subsurface hydrology, soils, geology, and vegetation of the site; and
  - ii. An evaluation of the analysis area's inherent mine hazards; and
  - iii. A site plan of the area delineating all areas of the site subject to mine hazards, based on mapping and criteria referenced in LMC 14.146.060.

If the geological assessment demonstrates, to the satisfaction of the Department, that the proposed site is not located in any mine hazard areas, based upon the criteria set forth in subsection (A)(1)(b) of this section, then the requirements of this section shall not apply.

2. Geotechnical Report. The geotechnical report shall be prepared by a professional engineer licensed by the state of Washington with experience in geotechnical engineering and shall address the existing geologic, topographic, and hydrologic conditions on a site, including an evaluation of the ability of the site to accommodate the proposed activity. The geotechnical report shall include at a minimum the following:

- a. A discussion of the surface and subsurface geologic conditions of the site;
- b. A site plan of the area delineating all areas of the property subject to mine hazards, based on mapping and criteria referenced in LMC 14.146.060;
- c. A discussion of mitigation measures which can be taken to reduce risks associated from mine hazards; and
- d. An evaluation of the effectiveness of the proposed mitigation measures. Where a valid geotechnical report has been prepared within the last five years for a specific site, and where the proposed land use activity and surrounding site conditions are unchanged, said report may be utilized and a new report may not be required. If any changed environmental conditions are associated with the site, or surrounding the site, the applicant shall submit an amendment to the geotechnical report.

The development proposal may be approved, approved with conditions, or denied based on the Department's evaluation of the ability of the proposed mitigation measures to reduce risks associated with the underlying surficial geology.

3. Notification.

- a. Title Notification. The owner of any site within a mine hazard area as

identified in LMC 14.146.060, on which a development proposal is submitted, shall record a notice with the Pierce County Auditor in the form set forth below:

Form of Notice:

MINE HAZARD AREA NOTICE

Parcel Number: \_\_\_\_\_

Address: \_\_\_\_\_

Legal Description: \_\_\_\_\_

Present Owner: \_\_\_\_\_

Notice: This site lies within a mine hazard area as defined by Chapter [14.146](#) of the Lakewood Municipal Code. The site was the subject of a development proposal for application number \_\_\_\_\_ filed on (date) \_\_\_\_\_

Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation. Review of such application has provided information on the location of a seismic hazard area and any restrictions on use.

Signature of owner(s) NOTARY

ACKNOWLEDGMENT

b. *Plat Notification.* For all proposed short subdivision and subdivision proposals within mine hazard areas, the applicant shall include a note on the face of the plat. The note shall be as set forth below:

Notice: This site lies within a mine hazard area as defined in Chapter [14.146](#), of the City Code. Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation.

Chapter 14.150

CRITICAL AQUIFER RECHARGE AREAS\*

Sections:

14.150.010

**14.150.020**

**14.150.030**

**14.150.040**

**Purpose.**

**Designation of aquifer recharge areas.**

**Protection standards in aquifer recharge areas.**

**Hydrogeological assessments.**



**\* Prior legislation note:** Ord. [362](#) repealed provisions concerning aquifer recharge areas that were formerly in this chapter, based on the provisions of Ord. [56](#).

14.150.010 Purpose.

The Growth Management Act requires the City of Lakewood to designate areas and adopt development regulations for the purpose of protecting areas within the City critical to maintaining ground water recharge and quality. The Growth Management Act, Water Pollution Control Act, Water Resources Act of 1971, and the Ground Water Quality Standards require that these actions be taken to protect ground water quality and quantity such that its use as potable water can be preserved for current and future uses. This chapter shall define a scientifically valid methodology by which the City of Lakewood will designate areas determined to be critical in maintaining both ground water quantity and quality. This chapter shall specify regulatory requirements to be enacted when development within these areas is proposed to occur. [Ord. 362 § 3, 2004.]

14.150.020 Designation of critical aquifer recharge areas.

A. *General.* Critical aquifer recharge areas are areas where the prevailing geologic conditions allow infiltration rates which create a high potential for contamination of ground water resources or contribute to the replenishment of ground water.

B. *Classification.* For the purposes of this chapter, the boundaries of the City's aquifer recharge areas are:

1. The boundaries of the two highest DRASTIC zones which are rated 180 and above on the DRASTIC index range, as identified in Map of Ground Water Pollution Potential, Pierce County, Washington, National Water Well Association, U.S. Environmental Protection Agency; and
2. The Clover/Chambers Creek Aquifer Basin boundary, as identified in Draft Clover/Chambers Creek Basin Ground Water Management Program and Environmental Impact Statement, Brown and Caldwell for Washington State Department of Ecology.
3. Any site located within the Clover/Chambers Creek Basin boundary or the two highest DRASTIC zone boundaries is included in the critical aquifer recharge area. [Ord. 362 § 3, 2004.]

C. Mapping. Critical aquifer recharge areas and areas of vulnerability may be identified using the following maps from the Pierce County Open Geospatial Data Portal:

1. "Aquifer Recharge Areas" published December 2015 and updated in January 2018.
4. "Aquifer Vulnerable Deep Areas" published May 1996 and updated in October 2017.
2. "Aquifer Clover Chambers Creek" published April 2000 and updated in October 2017.

14.150.030 Protection standards in critical aquifer recharge areas.

A. Protection Standards:

1. Regulated activities/facilities may be permitted in a critical aquifer recharge area only if the applicant can demonstrate that the proposed activity will not cause contaminants to enter the aquifer and that the

~~proposed activity will not adversely affect the recharging of the aquifer.~~  
~~2.—The proposed regulated activity must comply with the water source protection requirements and recommendations of the Federal Environmental Protection Agency and State Department of Health.~~  
~~3.—Best management practices shall be required for activities within the designated low and moderate susceptibility zones.~~  
~~4.—Based upon available information including that provided by the applicant pursuant to the requirements of this section, the Director shall have discretion to impose conditions designed to prevent degradation of groundwater quality or quantity. Such conditions may include a hydrologic site evaluation, determination of background water quality, quantity, and groundwater levels prior to approval and development of groundwater quality and/or quantity management plans. All conditions shall be based on all known, available, and reasonable methods of prevention, control, and treatment.~~  
~~5.—A mitigation plan shall be required to address groundwater impacts identified in the hydrogeologic site evaluation, if such an evaluation is required. The Director may require that the mitigation plan include monitoring, process controls, remediation, and discussion of alternatives.~~  
~~6.—Project approval shall be based on the conditions and/or mitigation plan required by the Director.~~

~~E.B.~~ *Exemptions.* In addition to the exemptions listed in LMC [14.142.070](#), the following uses shall be exempt from the requirements of this chapter:

1. Sewer lines and appurtenances.
2. Individual on-site domestic sewage disposal (septic) systems releasing less than 14,500 gallons of effluent per day, subject to permitting by the Tacoma-Pierce County Health Department.

~~E.C.~~ *Plat Notification.* For all proposed short subdivision and subdivision proposals within the City, the applicant shall include a note on the face of the plat. The note shall be as set forth below:

Notice: This subdivision lies within an **critical** aquifer recharge area as defined in Chapter [14.150](#) of the Lakewood Municipal Code. Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation.

~~E.D.~~ *Prohibited Activities.* Because of high potential for contamination, and low potential for remediation of ground waters used as potable water sources, the following uses of land shall be prohibited within the City of Lakewood:

1. Landfills, including hazardous or dangerous waste, municipal solid waste, special waste, and wood waste. Inert and demolition waste landfills may be permitted subject to the requirements of subsection ~~DE~~ of this section.
2. Underground injection wells, except as may be proposed by a public agency for remediation of ground water contamination or aquifer enhancement.
3. Metals mining.
4. New sand and gravel mining.

5. Wood treatment facilities.
6. Storage of more than 70,000 gallons of liquid petroleum or other hazardous substances.

F.E. Regulated Activities. The following land uses may only be permitted after review and approval of a hydrogeological assessment by the Tacoma-Pierce County Health Department. Uses requiring a hydrogeological assessment may be conditioned or denied based upon the TPCHD's evaluation of the hydrogeologic assessment. Other state and federal regulations pertaining to the specific activities listed should be referenced in the hydrogeologic assessment and agency review:

1. Aboveground storage tanks (WAC [173-303-640](#));
2. Automobile washing facilities (Chapter [173-216](#) WAC, DOE Publication WQ-R-95-56);
3. Below-ground storage tanks (Chapter [173-360A](#) WAC);
4. Residential structures housing three or more units and utilizing on-site septic systems (Chapter [246-272](#) WAC, TPCHD Regulations);
5. Sludge land application sites categorized as S-3, S-4 and S-5, as defined above;
6. Animal containment area (Chapters [173-216](#) and [173-220](#) WAC);
7. Inert and demolition waste landfills (Chapter [173-304](#) WAC);
8. Facilities with the potential to generate hazardous waste, including, but not limited to, boat repair facilities, biological research facilities, dry cleaners, furniture stripping, motor vehicle service garages, photographic processing, and printing shops (Chapter [173-303](#) WAC).

F. Protection Standards.

1. Regulated activities/facilities may be permitted in a critical aquifer recharge area only if the applicant can demonstrate that the proposed activity will not cause contaminants to enter the aquifer and that the proposed activity will not adversely affect the recharging of the aquifer.
  2. The proposed regulated activity must comply with the water source protection requirements and recommendations of the Federal Environmental Protection Agency and State Department of Health.
  3. Best management practices shall be required for activities within the designated low and moderate susceptibility zones.
  4. Based upon available information including that provided by the applicant pursuant to the requirements of this section, the Director shall have discretion to impose conditions designed to prevent degradation of groundwater quality or quantity. Such conditions may include a hydrologic site evaluation, determination of background water quality, quantity, and groundwater levels prior to approval and development of groundwater quality and/or quantity management plans. All conditions shall be based on all known, available, and reasonable methods of prevention, control, and treatment.
  5. A mitigation plan shall be required to address groundwater impacts identified in the hydrogeologic site evaluation, if such an evaluation is required. The Director may require that the mitigation plan include monitoring, process controls, remediation, and discussion of alternatives.
- 9-6. Project approval shall be based on the conditions and/or mitigation plan required by the Director.

G. *Storage Tank Permits.* The Fire Marshal specifically regulates and authorizes permits for underground storage tanks, pursuant to the Uniform Fire Code (Article 79) and this chapter. The Washington Department of Ecology also regulates and authorizes permits for underground storage tanks (Chapter [173-360A](#) WAC). The TPCHD regulates and authorizes permits for the removal of underground storage tanks (Pierce County Code, Chapter [8.34](#)).

1. *Facilities with Underground Tanks – New Underground Tanks.* All new underground storage facilities used or to be used for the underground storage of hazardous substances or hazardous wastes shall be designed and constructed so as to:

- a. Prevent releases due to corrosion or structural failure for the operational life of the tank;
- b. Be protected against corrosion, constructed of noncorrosive material, steel clad with a noncorrosive material, or designed to include a secondary containment system to prevent the release or threatened release of any stored substance; and
- c. Use material in the construction or lining of the tank which is compatible with the substance to be stored.
- d. The installation of underground storage tanks shall also be subject to state and local permit requirements.

2. *Aboveground Tanks.*

- a. No new aboveground storage facility or part thereof shall be fabricated, constructed, installed, used, or maintained in any manner which may allow the release of a hazardous substance to the ground, ground waters, or surface waters of Lakewood within a [critical](#) aquifer recharge area.
- b. No new aboveground tank or part thereof, with the exception of tanks for potable water, shall be fabricated, constructed, installed, used, or maintained without having constructed around and under it an impervious containment area enclosing or underlying the tank or part thereof.
- c. A new aboveground tank that will contain hazardous substances shall be of double wall construction and shall include a secondary containment system separate from the tank that will hold 110 percent of the tank's capacity. The secondary containment system must be designed and constructed to contain the material stored in the tank. [Ord. 362 § 3, 2004.]

14.150.040 [Hydrogeological assessments Critical area reports –hydrogeological assessment requirements.](#)

A. [A hydrogeological assessment shall be included in a critical areas report prepared in accordance with LMC 14.142.138 if a regulated activity is proposed within a critical aquifer recharge area in accordance with the provisions of this chapter.](#)

B. The hydrogeologic assessment may be submitted by a state of Washington licensed hydrogeologist, or professional engineer with a strong background in geology as demonstrated by course work from an accredited college or university. Persons who believe they are qualified to conduct a hydrogeologic assessment may petition the TPCHD for consent.

- C. The hydrogeologic assessment shall include, but is not limited to:
1. Information sources;
  2. Geologic setting: include well logs or borings used to identify information;
  3. Background water quality;
  4. Ground water elevations;
  5. Location/depth to perched water tables;
  6. Recharge potential of facility site (permeability/transmissivity);
  7. Ground water flow direction and gradient;
  8. Currently available data on wells located within 1,000 feet of site;
  9. Currently available data on any spring within 1,000 feet of site;
  10. Surface water location and recharge potential;
  11. Water source supply to facility (e.g., high capacity well);
  12. Any sampling schedules necessary;
  13. Discussion of the effects of the proposed project on the ground water resource;
  14. Other information as required by the TPCHD.

D. Uses requiring a hydrogeologic assessment may be conditioned or denied based upon the TPCHD's evaluation of the hydrogeologic assessment. Any project denied a permit based upon the Tacoma-Pierce County Health Department's evaluation of the hydrogeologic assessment shall receive a written explanation of the reason(s) for denial and an explanation of measures required, if any, to comply with these regulations. [Ord. 362

§ 3, 2004.]

Chapter 14.154

FISH AND WILDLIFE HABITAT CONSERVATION AREAS\*

Sections:

14.154.010

**Purpose and intent.**

**14.154.020**

**Designation of ~~critical~~ fish and wildlife habitat conservation areas.**

**14.154.030**

**Habitat protection standards.**

**14.154.040**

**Title and plat notification.**

**14.154.050**

**Habitat protection for rivers and streams.**

~~**14.154.060**~~

**14.154.070**

~~**Habitat protection for lakes.**~~

**14.154.080**

**Habitat protection for ponds.**

**Provisions for priority Oregon white oak trees and woodlands.**

**14.154.090**

**Provisions for fish and wildlife, habitat buffers, where required.**



**\* Prior legislation note:** Ord. [362](#) repealed provisions concerning fish and wildlife habitat areas that were formerly in this chapter, based on the provisions of Ord. [56](#).

14.154.010 Purpose and intent.

Many land use activities can impact the habitats of fish and wildlife. Where areas of ~~critical~~ fish and wildlife habitat are subject to development, land use shall be managed to protect critical habitats. Managing land use to protect critical habitats is intended to allow proposed development to occur in a manner that is sensitive to the habitat needs of ~~critical~~ fish and wildlife species. The purpose of this chapter is to identify ~~critical~~ fish and wildlife species and habitats and establish habitat protection procedures and mitigation practices that are designed to achieve no “net loss” of species and habitat due to new development or other regulated activities.

As a necessary first step in achieving the necessary protection of ~~critical~~ fish and wildlife species, it is the intent of this chapter to:

- A. Define and identify ~~critical~~ fish and wildlife species and habitats;
- B. Emphasize and encourage education, information and voluntary action to enhance, protect, rehabilitate, and restore ~~critical~~ fish and wildlife species and habitats;
- C. Rely primarily upon existing procedures and laws, such as the State Environmental Policy Act, Chapter [43.21C](#) RCW; the City’s Shoreline Use Regulations; and the Shoreline Management Act, Chapter [90.58](#) RCW, that, directly or indirectly, protect fish and wildlife species and habitats; and
- D. Establish buffers adjacent to rivers, streams, and other identified critical habitat conservation areas and locations to protect ~~critical~~ fish and wildlife habitats.

It is not intended that this chapter repeal, abrogate, or impair any existing law or regulations. If the buffering provisions of this chapter conflict with any existing City law or regulation, the more stringent shall apply. [Ord. 362 § 3, 2004.]

14.154.020 Designation of ~~critical~~ fish and wildlife habitat conservation areas.

- A. *General.* This chapter applies to proposed regulated activities within ~~critical~~ fish and wildlife habitat conservation areas on all public and private lands. ~~Critical~~ fish and wildlife habitat conservation areas are those areas identified either by known point locations of specific species (such as a nest or den) or by habitat areas or both.
- B. *Identification of ~~Critical~~ Fish and Wildlife Species and Habitats.*
  1. *~~Critical~~ Fish and Wildlife Habitat Conservation Areas.*
    - a. *Federal and State Listed Species and Their Associated Habitats.* Areas which have a primary association with federally or state listed endangered, threatened, or sensitive species of fish or wildlife (specified in [50 CFR 17.11](#), [50 CFR 17.12](#), WAC [220-610-010](#) and [220-610-110](#)) and which, if altered, may reduce the likelihood that the species will persist~~maintain and reproduce~~ over the long term. These areas include seasonal ranges and habitat elements.

- b. Habitats and species of local importance, including the following:
    - ~~i. Areas with which state listed monitor or candidate species or federally listed candidate species have a primary association, and which, if altered, may reduce the likelihood that the species will maintain and reproduce over the long term.~~
    - ii. Documented habitat areas or outstanding potential habitat areas for fish and wildlife species. These areas include specific habitat types which are infrequent in occurrence in Pierce County and Lakewood, and may provide specific habitats with which endangered, threatened, sensitive, candidate, or monitor species have a primary association, such as breeding habitat, winter range, and movement corridors. These areas include the following:
      - (A) Aspen stands.
      - (B) Biodiversity areas and corridors.
      - (C) Herbaceous balds.
      - ~~(D)~~ Priority Oregon white oak woodlands.
      - ~~(E)~~ Prairies.
      - ~~(F)~~ Old growth/mature forests.
      - ~~(G)~~ Caves.
      - ~~(H)~~ Cliffs.
      - ~~(I)~~ Snag-rich areas, areas and logs.
      - (J) Riparian habitats.
      - (K) Freshwater wetlands.
      - ~~(L)~~ Rivers and streams with critical fisheries.
  - c. Naturally occurring ponds under 20 acres and their submerged aquatic beds that provide fish or wildlife habitat.
  - d. Waters of the state, including all water bodies classified by the Washington Department of Natural Resources (DNR) water typing classification system as detailed in WAC [222-16-030](#), together with associated riparian areas.
  - e. Lakes, ponds, streams, and rivers planted with game fish by a governmental entity or tribal entity.
  - f. State natural area preserves and natural resource conservation areas as defined, established, and managed by the DNR and WDFW.
2. *Mapping.* The resources listed below provide information on fish and wildlife habitat conservation areas:
- a. Puget Sound Environmental Atlas, Puget Sound Water Quality Authority.
  - b. The following Washington Department of Natural Resources documents and data sources:
    - i. Stream typing maps.
    - ii. Natural Heritage Database and Washington Natural Heritage Program Data Explorer tool.
  - c. The following Washington Department of Fish and Wildlife documents and data sources:
    - i. Priority Habitats and Species Program, including the PHS on the Web maps.
    - ii. Nongame Database.
    - iii. Washington Rivers Information System.
    - iv. Water Resource Index Inventory Areas (WRIA).
  - d. The following U.S. Fish and Wildlife Services (USFWS) data sources:

- i. Information for Planning and Consultation (IPaC).
- iii.j. National Wetlands Inventory (NWI), available through <https://www.fws.gov/program/national-wetlands-inventory>.
- d. ~~The following Washington Department of Fisheries documents:~~
- i.iii. ~~Water Resource Index Areas (WRIA).~~ [Ord. 630 § 1, 2015; Ord. 362 § 3, 2004.]

#### 14.154.030 Habitat protection standards.

A. *Education and Information.* A voluntary education program to explain the need for and methods of habitat management will help provide for long-term protection and enhancement of ~~critical~~ fish and wildlife habitat conservation areas. By informing citizens of the declining populations of several fish and wildlife species in Pierce County, the diminishing animal habitat available, and the management techniques that individuals can use to preserve and restore fish and wildlife habitat areas, the City can foster good stewardship of the land by property owners.

1. The Department will provide educational materials and lists of additional sources of information to applicants proposing regulated activities in the vicinity of ~~critical~~ fish and wildlife habitat conservation areas. Materials will be selected from a variety of state and local resources.

At a minimum, the City will link applicants to the Washington Department of Fish and Wildlife's Priority Habitat and Species website.

2. ~~The Department will accumulate information on the number of proposed activities associated with fish and wildlife habitat conservation areas as identified by this chapter and indicated by county maps to be in the vicinity of identified ~~critical~~ fish and wildlife habitats pursuant to LMC 14.154.020. Information shall include the number of single-family residences and other development occurring in the vicinity of ~~critical~~ fish and wildlife areas. Based on this information, additional regulations may be developed.~~

B. *Use of Existing Procedures and Laws, Biological Assessments.* The primary procedures used to implement this chapter shall include this chapter itself, the City's Land Use and Development Code, the State Environmental Policy Act (Chapter 43.21C RCW), the City's environmental regulations, ~~the State Shoreline Management Act (Chapter 90.58 RCW), and Best Available Science (BAS) on Priority Habitats and Species from the Department of Fish and Wildlife (WDFW) as required in RCW 36.70A.172 and the City's shoreline management regulations.~~

Regulated activities subject to environmental review shall be reviewed with consideration for impacts on ~~critical~~ fish and wildlife habitat as identified in this title. The Community Development Director may require a biological assessment prepared by a qualified wildlife biologist whenever the Director finds that a project site may contain, affect, or be affected by, species or habitats designated in this chapter. Biological assessments shall be prepared in accordance with LMC 14.154.050(B), and are subject to the review and approval of the Director.

Projects undergoing review for fish and wildlife considerations shall be routed to the Washington Department of Fish and Wildlife, the Washington Department of Ecology, the U.S. Fish and Wildlife Service, the U.S. Army Corps of Engineers and any other appropriate state and federal agencies. These agencies will have an opportunity to provide specific habitat information on proposed development sites, advise the City of

their jurisdiction and applicable permit requirements, and suggest appropriate project modifications and/or other mitigation.

The City shall give substantial weight to the management recommendations contained ~~in~~ the Washington Department of Fish and Wildlife Priority Habitats and Species Program. [Ord. 775 § 1 (Exh. A), 2022; Ord. 630 § 2, 2015; Ord. 362 § 3, 2004.]

**14.154.040 Title and plat notification.**

For regulated activities where a habitat assessment or habitat management plan has been prepared as part of the proposal's environmental review, the owner of the site shall record a notice of the reports with the Pierce County Auditor so that information is known if the property ownership changes.

A. *Title Notification.* The owner of any site where a habitat assessment or habitat management plan has been prepared for a development proposal shall record a notice with the Pierce County Auditor in the form set forth below:

Form of Notice:

FISH AND WILDLIFE  
HABITAT CONSERVATION  
AREA NOTICE

Parcel Number: \_\_\_\_\_

Address: \_\_\_\_\_

Legal Description: \_\_\_\_\_

Present Owner: \_\_\_\_\_

Notice: This site lies within/contains a ~~critical~~ fish and wildlife habitat conservation area as defined by Chapter 14.154 of the Lakewood Municipal Code. This site was the subject of a development proposal for \_\_\_\_\_ application number \_\_\_\_\_

filed on \_\_\_\_\_ (date).

Restrictions on use or alteration of the site may exist due to natural conditions of the site and resulting regulation. Review of such application has provided information on the location of the fish and wildlife habitat conservation area and any restriction on use.

Signature of Owner(s)

\_\_\_\_\_  
Date

\_\_\_\_\_  
(NOTARY ACKNOWLEDGMENT)

B. *Plat Notification.* For all proposed short subdivision and subdivision proposals within ~~critical~~ fish and wildlife habitat conservation areas, the applicant shall include a note on the face of the plat. [Ord. 630 § 3, 2015; Ord. 362 § 3, 2004.]

#### 14.154.050 Habitat protection for rivers and streams.

Regulated activities proposed along rivers and streams shall provide for habitat protection.

A. **Intent of Riparian Buffers.** The intent of riparian buffers is to protect the following 5 basic riparian functions that influence in-stream and near-stream habitat quality:

1. Recruitment of Large Woody Debris (LWD) to the stream. LWD creates habitat structures necessary to maintain salmon/trout and other aquatic organisms' productive capacity and species diversity.
2. Shade. Shading by the riparian forest canopy maintains cooler water temperatures and influences the availability of oxygen for salmon/trout and other aquatic organisms.
3. Bank integrity (root reinforcement). Bank integrity helps maintain habitat quality and water quality by reducing bank erosion and creating habitat structure and in-stream hiding cover for salmon/trout and other aquatic organisms.
4. Runoff filtration. Filtration of nutrients and sediments in runoff (surface and shallow subsurface flows) helps maintain water quality.
5. Wildlife habitat. Functional wildlife habitat for riparian-dependent species is based

on sufficient amounts of riparian vegetation to provide protection for nesting and feeding.

- 1.6. Contribution of detrital nutrients. Nutrients derived from terrestrial litter, typically from leaves, bark, seeds, cones, flowers, fruits, twigs, and other small plant parts.

B. Riparian Buffers. Habitat protection for fish and wildlife conservation areas shall be provided through buffers.

1. Standard buffers from ordinary high water mark of the water body are as follows:

<b>Water Type</b>	<b>Standard buffer</b>
<u>Type F Waters</u>	<u>150 ft</u>
<u>Type Np Waters</u>	<u>100 ft</u>
<u>Type Ns Waters</u>	<u>100 ft</u>

2. Buffers for Type S shoreline water bodies are provided in the Lakewood Shoreline Master Program (SMP).

B.C. Interrupted buffer. When a riparian buffer contains an existing legally established public or private road, the Director may allow development on the landward side of the road provided that the development will not have a detrimental impact to the stream. The applicant may be required to provide a critical areas report to describe the potential impacts. In determining whether a critical areas report is necessary, the City shall consider the hydrologic, geologic, and/or biological habitat connection potential and the extent and permanence of the buffer interruption.

C.D. Riparian Management Zone buffers. An applicant may choose to conduct a site evaluation of soil conditions prepared by a qualified professional and consistent with current Best Available Science on 200-year site potential tree height as provided by the Washington Department of Fish and Wildlife. If such site evaluation of soil conditions yields a 200-year site potential tree height of a lesser value than the buffers assigned in this section, the applicant may use the lower value in place of the standard buffer.

D.——Habitat Protection for Rivers and Streams Shall Be Provided through Buffers.

- 1.—The buffer, consisting of undisturbed natural vegetation, shall be required along all streams, as classified by the DNR water typing classification system (WAC 222-16-030). The buffer shall extend landward from the ordinary high water mark of the water body.

- a.——Outside of the buffer removal of native vegetation shall not exceed 35 percent of the surface area of the portion of the site in the regulatory floodplain. Native vegetation within the buffer portion of the property can be counted toward this requirement.

- 2.—The buffer of a river or stream shall not extend landward beyond an existing substantial improvement such as an improved road, dike, levee, or a permanent structure which reduces the impact proposed activities would have on the river or stream.

- 3.—Buffer widths shall be as established by the City of Lakewood Shoreline Master Program (SMP) as contained in Chapter 4, Section C of the SMP.

- 4.1. If a proposed project does not meet the criteria established in Chapter 18A.50 LMC, Article I, a habitat impact assessment shall be conducted in



~~accordance with subsection (B) of this section, and if necessary, a habitat mitigation plan shall be prepared and implemented in accordance with the provisions of this chapter.~~

E. *Habitat Impact Assessment.* Unless allowed under Chapter [18A.50](#) LMC, Article I, a permit application to develop in the special flood hazard area (SFHA), for that portion of any parcel located within the ~~area between the boundary of a buffer as established in the SMP, Chapter 4, Table 2, and the~~ boundary of any buffer as required by the National Marine Fisheries Service's Puget Sound Biological Opinion of September 22, 2008, shall include ~~in a critical area report in compliance with LMC 14.142.138~~ an assessment of the impact of the project on water quality and aquatic and riparian habitat. In addition to the requirements of LMC 14.142.138, the assessment shall be:

1. A biological evaluation or biological assessment that has received concurrence from the U.S. Fish and Wildlife Service or the National Marine Fisheries Service, pursuant to Section 7 of the Endangered Species Act; or
2. Documentation that the activity fits within a habitat conservation plan approved pursuant to Section 10 of the Endangered Species Act; or
3. Documentation that the activity fits within Section 4(d) of the Endangered Species Act; or
4. An assessment prepared in accordance with the most current Regional Guidance for Floodplain Habitat Assessment and Mitigation, FEMA (Federal Emergency Management Agency) Region X. The assessment shall determine if the project would adversely affect:
  - a. The primary constituent elements identified when a species is listed as threatened or endangered;
  - b. Essential fish habitat designated by the National Marine Fisheries Service;
  - c. Fish and wildlife habitat conservation areas;
  - d. Vegetation communities and habitat structures;
  - e. Water quality;
  - f. Water quantity, including flood and low flow depths, volumes and velocities;
  - g. The channel's natural planform pattern and migration processes;
  - h. Spawning substrate, if applicable; and/or
  - i. Floodplain refugia, if applicable.

F. *Habitat Mitigation Plan.*

1. If the assessment conducted under subsection B-D of this section concludes the proposed project is expected to have an adverse effect on water quality and/or aquatic or riparian habitat or habitat functions, the applicant shall provide a plan to mitigate those impacts, in accordance with the current Regional Guidance for Floodplain Habitat Assessment and Mitigation, FEMA (Federal Emergency Management Agency) Region X.
  - a. If the proposed project is located outside of the protected area, the mitigation plan shall include such avoidance, minimization, restoration, or compensation measures as are appropriate for the situation.
  - b. If the proposed project is located within the protected area, the mitigation plan shall include such appropriate measures as are needed to ensure that there is no adverse effect due to the project. Minimization measures are not allowed in the protected area, unless they, in combination with other measures, result in no adverse effect.

No compensatory mitigation is allowed in the protected area.

2. The plan's habitat mitigation activities shall be incorporated into the proposed project. The floodplain development permit shall be based on the redesigned project and its mitigation components.

~~2.—~~

3. A certificate of occupancy or final inspection approval for a project shall not be issued until all work identified in the biological evaluation, biological assessment, or mitigation plan has been completed or the applicant has provided the necessary assurances that unfinished portions of the project will be completed.

G. *Compensatory Storage.* ~~There shall be no net loss of ecological function through~~ New development shall not reduce the effective flood storage volume of the regulatory floodplain. A development proposal shall provide compensatory storage if grading or other activity displaces any effective flood storage volume. Compensatory storage shall:

1. Provide equivalent volume at equivalent elevations to that being displaced. For this purpose, "equivalent elevation" means having similar relationship to ordinary high water and to the best available 10-year, 50-year and 100-year water surface profiles;
2. Be hydraulically connected to the source of the flooding; and
3. Provide compensatory storage in the same construction season as when the displacement of flood storage volume occurs and before flood season begins.
4. The newly created storage area shall be graded and vegetated to allow fish access during flood events without creating fish stranding sites. [Ord. 726 § 2(Exh. A), 2019; Ord. 659 § 2, 2017; Ord. 630 § 4, 2015; Ord. 362 § 3, 2004.]

~~14.154.060 — Habitat protection for lakes.~~

~~A.—Regulated activities proposed on lakes that are urban in character will not be subject to the buffering requirements of this chapter. The following lakes are urban in character:~~

- ~~1.—American.~~
- ~~2.—Gravelly.~~
- ~~3.—Louise.~~
- ~~4.—Steilacoom.~~

~~For proposed regulated activities on lakes that are subject to the State Shoreline Management Act, habitat protection shall be provided through education, voluntary agreements, and existing laws as referenced in LMC [14.154.030\(B\)](#), and regulation via the City's Shoreline Master Program and shoreline management regulations.~~

~~B.—Regulated activities proposed on lakes that are not subject to the State Shoreline Management Act shall be subject to a 35-foot buffer requirement. The buffer, consisting of undisturbed natural vegetation, shall extend landward from the ordinary high water mark of the water body. Existing laws as referenced in LMC [14.154.030\(B\)](#) may also affect such proposals. [Ord. 362 § 3, 2004.]~~

14.154.070 Habitat protection for ponds.

A. Regulated activities proposed on ponds deliberately designed and created from dry sites, such as canals, detention facilities, wastewater treatment facilities, farmponds, temporary construction ponds (of less than three years' duration), and landscape amenities will not be subject to the buffering requirements of this section. shall be subject to a 35-foot buffer requirement. The buffer, consisting of

~~undisturbed natural vegetation, shall extend landward from the ordinary high water mark of the pond. Habitat protection for these ponds shall be provided through education, voluntary agreements and existing laws as referenced in LMC 14.154.030(B). Ponds shall be regulated as wetlands where appropriate.~~ [Ord. 362 § 3, 2004.]

14.154.080 Provisions for priority Oregon white oak trees and woodlands.

- A. No person shall willfully remove, top, damage, destroy, break, injure, mutilate or kill any priority Oregon white oak trees and woodlands except as allowed by this chapter.
- B. During building or construction operations, suitable protective measures in LMC [18A.70.320\(A\)](#) shall be erected around Oregon white oak trees, stands, or woodlands which may be subject to injury.
- C. The following activities may be allowed regarding priority Oregon white oak trees and woodlands:
1. Removal of diseased trees and trees that present an imminent threat to properties with an approved tree removal permit. The Director may require a written report by a certified arborist assessing the condition of any tree that is purported to be diseased or hazardous. Tree replacement is required at a two-to-one ratio per LMC [18A.70.330](#).
  2. *Trimming*. Trimming shall be granted when it is determined:
    - a. That trimming is needed for safety or public welfare or to remove diseased or dead branches; or
    - b. That branches hang over an existing building or interfere with utility lines or right-of-way access.
    - c. Utility pruning shall be conducted in accordance with the latest edition of the United States Department of Agriculture's Publication NA-FR-01-95 How to Prune Trees, available at [https://www.fs.usda.gov/Internet/FSE\\_DOCUMENTS/fsbdev7\\_016046.pdf](https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/fsbdev7_016046.pdf), except that tree pruning for utilities shall be conducted in accordance with the latest edition of the International Society of Arboriculture's Best Management Practices – Utility Pruning of Trees, available at <https://www.seattle.gov/light/vegetation-management/docs/Acrobat%20Document.pdf>.
  3. *Single-Family Property*. If the presence of the priority Oregon white woodland renders the development of a house or permitted accessory structure infeasible, and the application of incentives in LMC [18A.70.320\(J\)](#) is insufficient to result in a feasible development, the City may allow removal or trimming of priority Oregon white oak trees and woodlands in order to allow a maximum building footprint of 1,500 square feet for a single-family residence, 1,000 square feet for an accessory dwelling unit, and 1,000 square feet for a detached garage. Additional impervious area for the driveway will be permitted which provides the shortest and most direct access to the house with minimal encroachment or impact into the critical area. The proposal shall demonstrate prior tree removal has met Chapter [18A.70](#) LMC, Article [III](#) in effect at the time, the proposal results in the least possible impact to the critical area to achieve a feasible development, and includes mitigation to

offset any impacts to critical areas consistent with the provisions of this chapter and in accordance with a report prepared by a qualified biologist or certified arborist. The City may require a third- party review of the report at the applicant's expense. A minimum two-to-one replacement ratio shall be applied. See required findings in subsection [\(C\)\(5\)](#) of this section. If a proposal does not meet the parameters of this paragraph see subsection [D](#) of this section.

4. *Commercial, Industrial, Multifamily, Institutional or Other Development.* On nonsingle-family properties where priority Oregon white oak trees and woodlands does not exceed one acre in size contiguous and the application of incentives in LMC [18A.70.320\(J\)](#) is insufficient to result in a feasible development, the City may allow for removal or trimming of priority Oregon white oak trees and woodlands to accommodate a legal use of the property with the least possible impact to the critical area, provided no clearing of trees occurred prior to the application for a land use permit in violation of Chapter [18A.70](#) LMC, Article [III](#) in effect at the time, and provided mitigation is instituted consistent with a report prepared by a qualified biologist or certified arborist. The City may require a third-party review of the report at the applicant's expense. A minimum two-to-one replacement ratio shall be applied. See required findings in subsection [\(C\)\(5\)](#) of this section. If a proposal does not meet the parameters of this paragraph see subsection [D](#) of this section.

5. *Required Findings.* To approve a proposal for a single-family home in subsection [\(C\)\(3\)](#) of this section or other non-single-family development in subsection [\(C\)\(4\)](#) of this section, the Director shall find:

- a. The application of incentives in LMC [18A.70.320\(J\)](#) is insufficient to result in a feasible development.
- b. The development results in the least possible impact to the critical area to achieve a feasible development that accommodates a legal use of the property.
- c. The report and mitigation prepared by a qualified biologist or certified arborist demonstrate to the satisfaction of the Director that mitigation addresses impacts to priority Oregon white oak trees and woodlands consistent with the provisions of this chapter. The report and mitigation consider the Washington Department of Fish and Wildlife Priority Habitats and Species Program management recommendations for Oregon white oak woodlands. The report has been reviewed by either the Washington Department of Fish and Wildlife through SEPA review and/or a qualified biologist or certified arborist at the applicant's expense as required by the Director. The City may consult WDFW for additional review as needed.
- d. Prior tree removal has met Chapter [18A.70](#) LMC, Article [III](#) in effect at the time.

D. If the application of this section would deny all reasonable use of property, the applicant may apply for a reasonable use exception pursuant to LMC [14.142.080](#). [Ord. 775 §1 (Exh. A), 2022.]

#### 14.154.090 Provisions for fish and wildlife, habitat buffers, where required.

A. *Building Setback and Construction Near Buffer.* A minimum setback of eight feet from the buffer shall be required for construction of any impervious surface(s) greater than 120 square feet of base coverage. Clearing, grading, and filling within

eight feet of the buffer shall only be allowed when the applicant can demonstrate that vegetation within the buffer will not be damaged.

B. *Marking of the Buffer Area.* The edge of the buffer area shall be clearly staked, flagged, and fenced prior to and through completion of construction. The buffer boundary markers shall be clearly visible, durable, and permanently affixed to the ground.

C. *Fencing from Farm Animals.* The Director shall determine if fencing is necessary to protect the functions and values of the critical area. If found to be necessary, the Director shall condition any permit or authorization issued pursuant to this chapter to require the applicant to install a permanent fence around the habitat conservation area or buffer, when fencing will prevent future impacts to the habitat conservation area. The applicant shall be required to install a permanent fence around the habitat conservation area or buffer when domestic grazing animals are present or may be introduced on site. Fencing installed as part of a proposed activity or as required in this subsection shall be designed so as not to interfere with species migration, including fish runs, and shall be constructed in a manner that minimizes habitat impacts.

D. Enhancements to natural buffers consistent with the education program (such as revegetation or nest boxes) are allowed.

E. *Allowable Activities within Buffers.* The following activities may occur within the buffer after notification to the Department; provided, that any other required permits are obtained.

1. Removal of diseased trees and trees that present an imminent threat to properties. The Director may require a written report by a registered landscape architect, certified nursery professional, or certified arborist assessing the condition of any tree that is purported to be diseased or hazardous.
2. Repair of existing fences.
3. Construction, reconstruction, remodeling, or maintenance of docks and bulkheads as authorized and pursuant to the ~~shoreline management applicable~~ regulations.
4. Construction of a pervious path for purposes of private access ~~to the shoreline.~~
5. Trimming of vegetation for purposes of providing view corridors; provided, that trimming shall be limited to view corridors of 20 feet or less; and provided, that benefits of the buffer to fish and wildlife habitat are not reduced. Trimming shall be limited to pruning of branches and vegetation. Trimming shall not include felling or removal of trees.
6. Construction of public trails.
7. Roadways, bridges, rights-of-way, and utility lines where no feasible alternative exists, and where the development minimizes impacts on the ~~stream and buffer area~~ watercourse and RMZ. Clear documentation explaining the lack of alternatives and measures taken to minimize impacts on the critical area and buffer shall be provided to the Community and Economic Development Department prior to approval. [Ord. 362 § 3, 2004.]

F. Special provisions—Streams. The following provisions supplement those identified in this chapter and this Ordinance.

1. Activities, uses, and alterations proposed to be located in water bodies used by anadromous fish or in areas that affect such water bodies shall give special consideration to the preservation and enhancement of anadromous fish habitat, including, but not limited to, the following:
  - a. Activities shall be timed to occur only during the allowable work window as designated by the Washington Department of Fish and Wildlife;
  - b. An alternative alignment or location for the activity is not feasible;
  - c. The activity is designed so that it will minimize the degradation of the downstream functions or values of the fish habitat or other critical areas; and
  - d. Any impact to the functions and values of the habitat conservation area are mitigated in accordance with an approved critical areas report and habitat management plan, if applicable.
2. Structures that prevent the migration of salmonids shall not be allowed in the portion of water bodies currently or historically used by anadromous fish. Fish bypass facilities shall be provided that allow the upstream migration of adult fish and shall prevent juveniles migrating downstream from being trapped or harmed.
3. Fills within streams, when authorized, shall minimize the adverse impacts to anadromous fish and their downstream habitat, shall mitigate any unavoidable impacts, and shall only be allowed for water-dependent uses.
4. Activities and uses shall be prohibited in Type F streams and riparian buffers except for the allowable activities and uses listed below.
  - a. Stream Crossings. Stream crossing shall be minimized, but when necessary they shall conform to the following standards as well as other applicable laws (see the Department of Fish and Wildlife, or Ecology):
    - i. The stream crossing is the only reasonable alternative that has the least impact;
    - ii. It has been shown in a critical areas report that the proposed crossing will not decrease the stream and associated buffer functions and values;
    - iii. The stream crossing shall use bridges instead of culverts unless it can be demonstrated that a culvert would result in equal or less ecological impacts;
    - iv. All stream crossings using culverts shall use super span or oversized culverts with appropriate fish enhancement measures. Culverts shall not obstruct fish passage;
    - v. Stream crossings shall be designed according to the Washington Department of Fish and Wildlife Water Crossing Design Guidelines (2013), and the National Marine Fisheries Service Guidelines for Salmonid Passage at Stream Crossings, 2000, or as amended;



- vi. All stream crossings shall be constructed during the summer low flow period between July 1st and August 15th or as specified by the Washington Department of Fish and Wildlife in the hydraulic project approval;
  - vii. Stream crossings shall not occur through salmonid spawning areas unless no other feasible crossing site exists;
  - viii. Bridge piers or abutments shall not be placed in either the floodway or between the ordinary high water marks unless no other feasible alternative placement exists;
  - ix. Stream crossings shall not diminish the flood carrying capacity of the stream;
  - x. Stream crossings shall minimize interruption of downstream movement of wood and gravel;
  - xi. Stream crossings shall provide for maintenance of culverts and bridges; and
  - xii. Stream crossings shall be minimized by serving multiple properties whenever possible.
- b. Utilities. Utility corridors shall not be aligned parallel with any stream channel unless the corridor is outside the buffer, and crossings shall be minimized. Installation shall be accomplished by boring beneath the scour depth and hyporheic zone of the water body where feasible. Crossings shall be contained within the existing footprint of an existing road or utility crossing where possible. Otherwise, crossings shall be at an angle greater than sixty degrees to the centerline of the channel. The criteria for stream crossing shall also apply.
- c. Stormwater facilities. Stormwater facilities provided that they are located in the outer twenty-five percent of the buffer and are located in the buffer only when no practicable alternative exists outside buffer. Stormwater facilities should be planted with native plantings where feasible to provide habitat, and/or less intrusive facilities should be used. Detention/retention ponds should not be located in the buffer.
- d. Floodway dependent structures. Floodway dependent structures or installations may be permitted within streams if allowed or approved by other codes or other agencies with jurisdiction.

- e. Stream bank stabilization. Stream bank stabilization shall only be allowed when it is shown, through a stream bank stability assessment conducted by a qualified fluvial geomorphologist or hydraulic engineer, that such stabilization is required for public safety reasons, that no other less intrusive actions are possible, and that the stabilization will not degrade instream or downstream channel stability. Stream bank stabilization shall utilize bioengineering or soft armoring techniques unless otherwise demonstrated. Stream bank stabilization shall conform to the Integrated Streambank Protection Guidelines developed by the Washington State Department of Fish and Wildlife, 2002 or as revised. Stabilization measures must demonstrate the following:
- i. Natural shoreline processes will be maintained. The project will not result in increased erosion or alterations to, or loss of, shoreline substrate within one-fourth mile of the project area;
  - ii. The stabilization measures will not degrade fish or wildlife habitat conservation areas or associated wetlands; and
  - iii. Adequate mitigation measures ensure that there is no net loss of the functions or values of riparian habitat.
- f. Maintenance of lawfully established existing bank stabilization is allowed provided it does not increase the height or linear amount of bank and does not expand waterward or into aquatic habitat landward.
- g. Clearing or development in riparian habitat areas which is at least one hundred feet from the waterline and separated by a continuous public or private roadway serving three or more lots.
5. Type N Streams. Activities and uses that result in unavoidable and necessary impacts may be permitted in Type Np and Ns streams and buffers in accordance with an approved critical areas report and habitat management plan, and only if the proposed activity is the only reasonable alternative that will accomplish the applicant's objectives.

Chapter 14.158

~~FLOOD HAZARD~~ FREQUENTLY FLOODED AREAS\*

Sections:

14.158.010

**Purpose.**

**14.158.020**

**Designation.**

**14.158.030**

**Protection.**

**14.158.010 Purpose.**

The purpose of this section is to:

- A. Promote the general health, welfare and safety of the City's residents, and protect human life and property from the dangers of flooding.
- B. Prevent the establishment of certain structures and land uses unsuitable for human habitation because of the danger of flooding, unsanitary conditions or other hazards.
- C. Minimize the need for rescue and relief efforts associated with flooding.
- D. Help maintain a stable tax base by providing for sound use and development in flood-prone areas and to minimize prolonged business interruptions, and future blight areas.
- E. Minimize damage to public facilities and utilities located in flood hazard areas.
- F. Ensure that potential home and business buyers are notified that property is in a flood area.
- G. Minimize expenditure of public money for costly flood relief, damage repair and flood control projects.
- H. Ensure that those who occupy frequently flooded areas assume responsibility for their actions.
- I. Qualify the City of Lakewood for participation in the National Flood Insurance Program, thereby giving resident and businesses the opportunity to purchase flood insurance.
- J. Maintain the quality of water in rivers, streams, and lakes and their floodplains so as to protect public water supplies, areas of the Public Trust, and wildlife habitat protected by the Federal Endangered Species Act.
- K. Retain the natural channel, shoreline, and floodplain creation processes and other natural floodplain functions that protect, create, and maintain habitat for threatened and endangered species.
- L. Prevent or minimize loss of hydraulic, geomorphic, and ecological functions of floodplains and stream channels.

- ~~A.—Promote the general health, welfare and safety of the City's residents.~~
- ~~B.—Prevent the establishment of certain structures and land uses unsuitable for human habitation because of the danger of flooding, unsanitary conditions or other hazards.~~
- ~~C.—Minimize the need for rescue and relief efforts associated with flooding.~~
- ~~D.—Help maintain a stable tax base by providing for sound use and development in flood-prone areas and to minimize prolonged business interruptions.~~
- ~~E.—Minimize damage to public facilities and utilities located in flood hazard areas.~~
- ~~F.—Ensure that potential home and business buyers are notified that property is in a flood area.~~
- ~~G.—Minimize expenditure of public money for costly flood relief and control projects.~~
- ~~H.—Ensure that those who occupy the areas of special flood hazard assume responsibility for their actions. [Ord. 362 § 3, 2004.]~~

**14.158.020 Designation.**

- A. The areas of special flood hazard identified by the Federal Insurance Administration in a scientific and engineering report entitled "The Flood

Insurance Study for Pierce County, and Incorporated Areas” dated March 7, 2017, and any revisions thereto, with an accompanying flood insurance rate map (FIRM), and any revisions thereto, are considered frequently flooded areas and are hereby adopted by reference and declared to be a part of this chapter.

B. The FEMA online flood map contains up-to-date flood hazard information available to the public.

B.C. The flood insurance study and the FIRM are on file at the City of Lakewood, 6000 Main Street SW, Lakewood, WA. The flood insurance study shall be kept on file by the City Engineer. [Ord. 659 § 3, 2017; Ord. 630 § 5, 2015; Ord. 362 § 3, 2004.]

#### 14.158.030 Protection.

A. All development in ~~areas of special flood hazard~~frequently flooded areas shall be regulated according to the City’s Site Development Regulations, and Chapter 18A.50 LMC, Article I, Flood Hazard Overlay.

B. Regulated activity within frequently flooded areas shall require preparation of a critical area report that complies with LMC 14.142.138 to ensure no-net-loss of floodplain function.

Chapter 14.162  
WETLANDS AREAS\*

Sections:

14.162.010

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**\* Prior legislation note:** Ord. [362](#) repealed provisions concerning wetland areas that were formerly in this chapter, based on the provisions of Ord. [56](#).

#### **14.162.010 Purpose.**

The purpose of these regulations is to avoid, or in appropriate circumstances, to minimize, rectify, reduce or compensate for impacts arising from land development and other activities affecting wetlands, and to maintain and enhance the biological and physical functions and values of wetlands with respect to water quality maintenance, storm water and floodwater storage and conveyance, fish and wildlife habitat, primary productivity, recreation, education, and historic and cultural preservation. When avoiding impacts is not reasonable, mitigation shall be implemented to achieve no net loss of wetlands in terms of acreage, function and value. [Ord. 362 § 3, 2004.]

#### [14.162.020 Designation of wetland areas.](#)

Identification of wetlands and delineation of their boundaries pursuant to this chapter shall be done in accordance with the approved federal wetland delineation manual and applicable regional supplements. All areas within the City meeting the wetland designation criteria in that procedure are hereby designated critical areas and are subject to the provisions of this chapter. [Ord. 630 § 6, 2015; Ord. 362 § 3, 2004.]

#### [14.162.030 Wetland categories.](#)

In order to provide information on the functions and values of wetlands in a time- and cost-effective way, wetland analysis reports shall categorize wetlands by their attributes and characteristics. Wetlands shall be rated using the latest adopted version of the Washington State Wetland Rating System for Western Washington published by the Washington State Department of Ecology (“State Wetland Rating System”). The State Wetland Rating System provides the detailed criteria for establishing wetland categories. Wetlands are generally designated as follows:

A. Category I wetlands are those that (1) represent a unique or rare wetland type; or (2) are more sensitive to disturbance than most wetlands; (3) are relatively undisturbed and contain ecological attributes that are impossible to replace within a human lifetime; or (4) provide a high level of functions. Generally, these wetlands are not common and make up a small percentage of the wetlands in the region. The following are considered Category I wetlands:

1. Bogs.
2. Mature and old-growth forested wetlands.
3. Wetlands that perform many functions very well: wetlands scoring 23 to 27 points using the Washington State Wetland Rating System for Western Washington, Ecology Publication No. 14-06-029.

B. Category II wetlands are difficult, though not impossible, to replace, and provide high levels of some functions. These wetlands occur more commonly than Category I wetlands, but still need a relatively high level of protection. Category II wetlands in western Washington include wetlands that perform functions well: wetlands scoring between 20 and 22 points using the Washington State Wetland Rating System for Western Washington. Wetlands scoring 20 to 22 points were judged to perform most functions relatively well, or performed one group of functions very well and the other

two moderately well.

C. Category III wetlands are wetlands with a moderate level of functions (scores between 16 and 19 points) using the Washington State Wetland Rating System for Western Washington. Category III wetlands usually have been disturbed in some ways, and are often less diverse or more isolated from other natural resources in the landscape than Category II wetlands.

D. Category IV wetlands have the lowest levels of functions (scores between nine and 15 points) and are often heavily disturbed. These are wetlands that we should be able to replace, and in some cases be able to improve. These wetlands may provide some important functions. [Ord. 630 § 7, 2015; Ord. 362 § 3, 2004.]

#### 14.162.040 Regulated activities.

A list of regulated activities is included in LMC [14.142.060](#). [Ord. 362 § 3, 2004.]

#### 14.162.050 Exemptions.

A list of exempt activities is included in LMC [14.142.070](#). [Ord. 362 § 3, 2004.]

#### 14.162.060 Special permitted uses.

A. The following uses are normally regulated but may be allowed, subject to a Process I administrative determination by the Director, provided the listed criteria are met.

B. *Educational and Recreational Facilities.* Minor structural fill may be allowed for the construction and enhancement of public trails, such as bridging, and trail-related facilities such as benches, interpretive signs, and viewing platforms. Construction of such features on all previously filled areas is allowed. The following conditions must be met:

1. An alternative location outside the wetland is not feasible. Trails and related facilities within wetlands shall, to the extent possible, be placed on other previously disturbed areas;
2. Associated facilities, such as interpretive centers, restrooms, or parking areas are not allowed within wetlands or buffers by this conditional exemption;
3. The fill on which the trails or trail-related facilities is placed is limited to the minimum dimensions necessary for the actual crossing and shall not cover more than 5,000 square feet of wetland area;
4. Project design shall minimize adverse impacts to wetlands/buffers and wildlife habitat. Previous surfaces shall be used;
5. All construction work in the wetland shall be done during the summer dry season (July 15th to October 15th). A time extension may be granted by the Department;
6. Native vegetation disturbed by trail construction activities shall be salvaged and replanted in the disturbed areas to the extent feasible.

C. *Minor Road or Trail Crossings.* Fills for the construction of a road or trail crossing shall be allowed in wetlands or buffers; provided, that crossings of wetlands shall be avoided to the extent possible. Fills for the construction of a road crossing through a Category I wetland shall not be allowed by this conditional exemption. Crossings shall

follow the following criteria:

1. An alternative location outside the wetland is not reasonably feasible;
2. The fill on which the road or trail is placed is limited to the minimum dimensions necessary for the actual crossing;
3. The fill placed in wetlands shall not cover more than 5,000 square feet of wetland area;
4. Crossings shall utilize design which minimizes the adverse impacts to the wetland and hydrology of the existing system;
5. Wetland disturbance shall be limited to no greater than five feet beyond the designated toe-of-fill;
6. All construction work in the wetland shall be done during the summer dry season (July 15th to October 15th). A time extension may be granted in writing by the Department; and
7. Crossings shall serve multiple purposes and properties, whenever possible.

D. *Erosion Control.* Bank stabilization activities necessary for erosion prevention shall be allowed in buffers and Category II, III, and IV wetlands as part of a single and complete project. Bank stabilization projects shall meet all other applicable local, state and federal laws and the following criteria:

1. The minimum amount of material needed for erosion prevention is used;
2. The bank stabilization activity is no more than 500 feet in length, 15 feet high, and will not exceed an average of one-half cubic yard of fill per running foot of bank;
3. No material is placed in any location or manner that may impair surface water movement into or out of any wetland area or other water body;
4. No material is placed in any location or manner that may be eroded by normal or anticipated high flows; and
5. The disturbed area shall be revegetated within 60 days after completion of the project with native species indigenous to the site. Hydro-seeding with approved mix may be used for temporary erosion control.

E. The construction of utility lines and poles in Category II, III or IV wetlands and buffers provided there are no feasible alternatives and impacts are mitigated. [Ord. 362 § 3, 2004.]

#### 14.162.070 Delineation, and wetland analysis requirements.

A. *Wetland Review Procedures – General Requirements.*

1. The ~~Critical Areas Atlas—City Wetland Inventory Maps~~[National Wetlands Inventory \(NWI\) from the United States Fish and Wildlife Service](#) provides an indication of where potential wetlands are located within the ~~county~~[city](#). The actual presence or location of a potential wetland or a potential wetland that has not been mapped, but may be present on or adjacent to a site shall be determined using the procedures and criteria established in this chapter.
2. The Department will complete a review of the ~~Critical Areas Atlas—Wetland Inventory Maps~~[most recent version of the National Wetlands Inventory data available at <https://www.fws.gov/program/national-wetlands-inventory>](#) and other source documents for any proposed regulated activity to determine whether the project area for a proposed single-family dwelling unit or other proposed

development is located in the vicinity of a known wetland. Identification of a potential wetland may also occur as a result of field investigations conducted by Department staff.

3. When the Department's maps, sources, or field investigation indicate that a potential wetland is located within ~~200-225~~ feet of the project area for a proposed one-family dwelling unit or other proposed regulated activities, the Department shall require a wetland verification report to determine whether or not a regulated wetland is present and if so, its relative location in relation to the proposed project area or site. The findings of the wetland verification report shall be documented as outlined in subsections (B)(1) of this section.

4. If Department staff completes a field investigation and determines that no regulated wetlands are present, then wetland review will be considered complete.

5. If it is determined that a wetland exists within ~~165-225~~ feet of a project site, then a wetland analysis report prepared by a qualified professional shall be required. All wetland analysis reports shall include a proposed categorization of the wetland in accordance with the guidelines set forth in LMC 14.162.030, and a calculation of the standard wetland buffer as set forth in LMC 14.162.080.

B. *General Wetland Review.* General wetland review shall include the submittal of a wetland verification report or a wetland analysis report, together with a wetland review fee as established in the City's fee schedule.

1. *Wetland Verification Report.*

a. A wetland verification report shall be submitted when a field investigation or review of the City's Critical Areas Atlas determines that a regulated wetland may be present within ~~200-225~~ feet of the site.

b. A wetland verification report may determine that:

i. No regulated wetland is, in fact, present within ~~200-225~~ feet of the project site; or

ii. Wetlands are identified but are evaluated and found to be nonregulated; or

iii. A regulated wetland is present within ~~200-225~~ feet of the project site, in which case a wetland analysis report may be required to determine the limits of the wetland, its classification and appropriate buffer width and other appropriate mitigations necessary to protect the wetland functions and values; or

iv. A regulated wetland is present; however, categorization can be summarily determined and it is apparent that the standard buffer does not extend within the site.

c. The wetland verification report shall include data sheets, site maps, and other field data and information necessary to confirm wetland presence or absence and category. If nonregulated wetlands are identified, a site plan must be provided that identifies their location.

d. The wetland verification report shall identify and discuss wetland boundaries within the site as well as those that extend off site. Off-site wetlands and associated standard buffers do not have to be marked in the field.

e. Department staff shall review the wetland verification report and either:

i. Accept the report and approve the wetland application; or

ii. Reject the report and require the submittal of a wetland analysis

report.

2. Wetland Analysis Critical Areas Report – additional requirements for wetlands. In addition to the general requirements of a critical areas report as outlined in LMC 14.142.138, the following are critical areas report requirements specific to wetlands:
  - a. If a regulated wetland or its standard buffer extends onto the site, the Department shall require a wetland analysis critical areas report prepared by a qualified professional as required by this title. Information required in a wetland analysis critical areas report is identified in Appendix C of the Critical Areas Regulations—Administrator’s Manual; LMC 14.142.138.
  - b. If the Department determines that a Category I wetland is on site which is associated with documented habitat for endangered, threatened, or sensitive species or for potentially extirpated plant species recognized by state or federal agencies, the Department shall also require the submittal of a habitat assessment report as set forth in LMC 14.154.030(B).
  - c. If the Department determines that additional mitigation is necessary to offset the identified impacts, the applicant shall comply with the additional mitigation requirements set forth in the wetland analysis report, biological assessment, or SEPA determination.
  - d. The Department shall review and approve the wetland analysis critical areas report to determine the appropriate wetland category and buffer, and shall include the wetland in the City’s Wetland Atlas. The Department shall approve the report’s findings and proposals unless specific, written reasons are provided which justify not doing so.
  - e. ~~e.~~ Approval of the wetland review shall be concluded upon a determination that the wetland analysis critical areas report and mitigation plan, if applicable, are thorough and accurate, and meet all requirements of this title. [Ord. 726 § 2(Exh. A), 2019; Ord. 362 § 3, 2004.]

#### 14.162.080 Protection standards – Establishing buffers.

A. *Requirements.* The buffer widths in Table 14.1 have been established in accordance with the best available science. They are based on the category of wetland and the habitat score as determined by a qualified wetland professional using the Washington State Wetland Rating System for Western Washington: 2014 Update, and as amended.

1. The use of the buffer widths in Table 14.1 requires the implementation of the measures in Table 14.2, where applicable, to minimize the impacts of the adjacent land uses.

1. If an applicant chooses not to apply the mitigation measures in Table 14.2, then a 33 percent increase in the width of all buffers is required. For example, a 75-foot buffer with the mitigation measures would be a 100-foot buffer without them to ensure no-net-loss of wetland functions.

2. The buffer widths in Table 14.1 assume that the buffer is vegetated with a native plant community appropriate for the ecoregion. If the existing buffer is unvegetated, sparsely vegetated, or vegetated with invasive species that do not perform needed functions, the buffer should either be planted to create the appropriate plant community, or the buffer should be widened to ensure that adequate functions of the buffer are provided.

3. The buffer at its narrowest point is never less than either three-quarters of the

required width or 75 feet for Category I and II, 50 feet for Category III and 25 feet for Category IV, whichever is greater.

*Table 14.1 Wetland Buffer Requirements*

Wetland Category	Buffer width (in feet) based on habitat score			
	3-5 points	5	6-7 points	8-9 points
Category I: Based on total score	75 <u>ft</u>	105	165 <u>ft</u>	225 <u>ft</u>
Category I: Bogs and wetlands of high conservation value	190 <u>ft</u>			225 <u>ft</u>
Category I: Coastal lagoons	150 <u>ft (merge with right)</u>		150 <u>ft</u>	225 <u>ft</u>
Category I: Interdunal	225 <u>ft (merge with right)</u>		225 <u>ft</u>	225 <u>ft</u>
Category I: Forested	75 <u>ft</u>	105	225 <u>ft</u>	225 <u>ft</u>
Category I: Estuarine	150 <u>ft</u> (buffer width not based on habitat scores)			
Category II: Based on score	75 <u>ft</u>	105	165 <u>ft</u>	225 <u>ft</u>
Category II: Interdunal wetlands	110 <u>ft (merge with right)</u>		110 <u>ft</u>	225 <u>ft</u>
Category II: Estuarine	110 <u>ft</u> (buffer width not based on habitat scores)			
Category III (all)	60 <u>ft</u>	105	225 <u>ft</u>	225 <u>ft</u>
Category IV (all)	40 <u>ft</u>			



**Table 14.2 Required Measures to Minimize Impacts to Wetlands**

(Measures are required if applicable to a specific proposal)

Disturbance	Activities and Uses that Cause Disturbances	Required Measures to Minimize Impacts
Light	<ul style="list-style-type: none"> <li>• <a href="#">Parking lots</a></li> <li>• <a href="#">Commercial/industrial uses</a></li> <li>• <a href="#">Residential uses</a></li> <li>• <a href="#">Recreation (e.g., athletic fields)</a></li> <li>• <a href="#">Agricultural buildings</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Direct lights away from wetland</a></li> <li>• <a href="#">Only use lighting when necessary for public safety, and keep lights off when not needed</a></li> <li>• <a href="#">Use motion-activated lights where feasible</a></li> <li>• <a href="#">Use full cut-off filters to cover light bulbs and direct light only where needed</a></li> <li>• <a href="#">Limit use of blue-white colored lights in favor of red-amber hues</a></li> <li>• <a href="#">Use lower-intensity LED lighting</a></li> <li>• <a href="#">Dim light to the lowest acceptable intensity</a></li> </ul>
Noise	<ul style="list-style-type: none"> <li>• <a href="#">Commercial</a></li> <li>• <a href="#">Industrial</a></li> <li>• <a href="#">Recreation (e.g., athletic fields, bleachers, etc.)</a></li> <li>• <a href="#">Residential</a></li> <li>• <a href="#">Agriculture</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Locate activity that generates noise away from wetland</a></li> <li>• <a href="#">If warranted, enhance existing buffer with native vegetation plantings adjacent to noise source</a></li> <li>• <a href="#">For activities that generate relatively continuous, potentially disruptive noise, such as certain heavy industry or mining, establish an additional 10-foot heavily vegetated buffer strip immediately adjacent to the outer wetland buffer</a></li> </ul>
Toxic runoff	<ul style="list-style-type: none"> <li>• <a href="#">Parking lots</a></li> <li>• <a href="#">Roads</a></li> <li>• <a href="#">Commercial/industrial</a></li> <li>• <a href="#">Residential areas</a></li> <li>• <a href="#">Application of pesticides</a></li> <li>• <a href="#">Landscaping</a></li> <li>• <a href="#">Agriculture</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">Route all new, untreated runoff away from wetland while ensuring wetland is not dewatered</a></li> <li>• <a href="#">Establish covenants limiting use of pesticides within 150 feet of wetland</a></li> <li>• <a href="#">Apply integrated pest management</a></li> </ul>

Table 14.2 Required Measures to Minimize Impacts to Wetlands  
(Measures are required if applicable to a specific proposal)

Disturbance	Activities and Uses that Cause Disturbances	Required Measures to Minimize Impacts
Storm water runoff	<ul style="list-style-type: none"> <li>• <a href="#">Parking lots</a></li> <li>• <a href="#">Roads</a></li> <li>• <a href="#">Residential areas</a></li> <li>• <a href="#">Commercial/industrial</a></li> <li>• <a href="#">Recreation</a></li> <li>• <a href="#">Landscaping/lawns</a></li> <li>• <a href="#">Other impermeable surfaces, compacted soil, etc.</a></li> </ul>	<ul style="list-style-type: none"> <li>• Retrofit storm water detention and treatment for roads and existing adjacent development</li> <li>• Prevent channelized <a href="#">or sheet</a> flow from lawns that directly enters the buffer</li> <li>• <a href="#">Infiltrate or treat, detain, and disperse new runoff from impervious surfaces and lawns</a></li> <li>• Use low <a href="#">intensity-impact</a> development (<a href="#">LID</a>) techniques (for more information refer to the drainage ordinance and manual)</li> </ul>
Pets and human disturbance	<ul style="list-style-type: none"> <li>• <a href="#">Residential areas</a></li> <li>• <a href="#">Recreation</a></li> </ul>	<ul style="list-style-type: none"> <li>• Use privacy fencing OR plant dense vegetation to delineate buffer edge and to discourage disturbance using vegetation appropriate for the ecoregion</li> <li>• Place wetland and its buffer in a separate tract or protect with a conservation easement</li> <li>• <a href="#">Place signs around the wetland buffer every 50-200 feet and at the back of each residential lot in a subdivision</a></li> </ul>
Dust	<ul style="list-style-type: none"> <li>• <a href="#">Tilled fields</a></li> <li>• <a href="#">Roads</a></li> </ul>	<ul style="list-style-type: none"> <li>• Use best management practices to control dust</li> </ul>
Disruption of corridors or connections	<ul style="list-style-type: none"> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain connections to off-site areas that are undisturbed</li> <li>• Restore corridors or connections to off-site habitats by replanting</li> </ul>

- B. Buffer widths may be modified by averaging, ~~reducing~~, or increasing.
1. Buffer width averaging may be allowed only where the applicant demonstrates the following:
    - a. Buffer encroachment is unavoidable.
    - b. A habitat assessment has been submitted which demonstrates that the site does not provide habitat for any endangered, threatened, or sensitive fish or animal species; or
    - c. For wetlands and/or required buffers associated with documented habitat for endangered, threatened, or sensitive fish or wildlife species, a habitat assessment report has been submitted that demonstrates that the buffer modification will not result in an adverse impact to the species of study.
    - d. The wetland contains variations in sensitivity due to existing physical characteristics; and
    - e. Width averaging will not adversely impact the wetland or critical fish and wildlife habitat; and
    - f. The total buffer area after averaging is no less than the buffer area prior to averaging; and
    - g. The minimum buffer width will not be less than 75 percent of the widths established in subsection [A](#) of this section.

- h. The averaging is accomplished within the project boundaries.
- i. Buffer width averaging shall only be permitted where it is shown that there are no feasible alternatives to the site design that could be accomplished without buffer averaging.

~~2.—Buffer width reduction may be allowed only where the applicant demonstrates the following circumstances. Such reduction shall not result in greater than a 25 percent reduction in the buffer width established in subsection A of this section and shall result in a buffer no less than 30 feet in any case:~~

- ~~a.—The proposed buffer area is extensively vegetated and has less than 15 percent slopes, and the reduction will not result in adverse impacts to the wetland; or~~
- ~~b.—The project includes a buffer enhancement plan, as part of the mitigation required by LMC 14.162.100. The buffer enhancement plan shall use plant species which are indigenous to the project area, and shall substantiate that an enhanced buffer will improve the functional attributes of the buffer to provide additional protection for wetland functional values; or~~
- ~~c.—The acreage included in the buffer would substantially exceed the size of the wetland and the reduction will not result in adverse impacts to the wetland or the project includes a buffer enhancement plan which ensures that the reduction will not result in adverse impacts to the wetland.~~

3.2. The Department may require increased buffer width when a larger buffer is necessary to protect wetland functions and values based on local conditions. This determination shall be reasonably related to protection of the functions and values of the regulated wetland. Such determination shall demonstrate that:

- a. A larger buffer is necessary to maintain viable populations of existing species; or
- b. The wetland is used by species listed by the federal government or the state as endangered, threatened, sensitive or as documented priority species or habitats, or essential or outstanding potential sites such as heron rookeries or raptor nesting areas; or
- c. The adjacent land is susceptible to severe erosion and erosion control measures will not effectively prevent adverse wetland impacts; or
- d. The adjacent land has minimal vegetative cover or slopes greater than 15 percent.

- C. Buffers shall be measured perpendicular from the wetland edge.
- D. When buffer boundaries have been determined, they shall be marked in the field by a licensed surveyor. The markers shall be clearly visible, durable, and permanently affixed to the ground.
- E. A building setback line of eight feet shall be required from the edge of a buffer.
- F. Except as otherwise specified, buffers shall be retained in a natural condition.
- G. A wetland buffer shall not be required to extend beyond an existing

substantial improvement such as an improved road, dike, levee, or ~~a permanent structure~~other permanent infrastructure of a linear nature, where the existing improvement obviates the beneficial impact that the buffer would provide for the wetland. In these cases, the edge of said linear infrastructure shall be considered the extent of the buffer if the following are true:

1. the portion of the wetland buffer on the other side of the existing substantial improvement can be shown to provide insignificant function compared to the buffer on the wetland side;
2. the existing substantial improvement cannot be feasibly removed, relocated, or restored to provide buffer functions; and
3. The functional analysis in this sub-section is included in the critical areas report prepared by a qualified professional under the requirements of this chapter.- [Ord. 630 § 8, 2015; Ord. 362 § 3, 2004.]

14.162.090 Protection standards for allowing regulated activities in wetlands and buffers.

A. Regulated activities in Category III and IV wetlands and/or buffers for Category III and IV wetlands may be allowed when the applicant demonstrates to the Department that all adverse impacts to wetlands will be mitigated according to LMC [14.162.100](#).

B. The placement of access roads, utility lines, and utility poles may be allowed in buffers for Category II wetlands if the following conditions are met:

1. There is no feasible alternative location for an access road and/or utilities to the site; and
2. The applicant demonstrates that all adverse impacts to wetlands will be mitigated according to a mitigation plan which complies with LMC [14.162.100](#).

C. The following activities may be allowed in a buffer without a complete mitigation plan if the applicant demonstrates to the Department that all adverse impacts to wetlands will be mitigated according to LMC [14.162.100](#). In cases that require environmental review, a threshold environmental determination may not be made until the Department is satisfied that adequate mitigation will occur. The allowed activities are as follows:

1. One well and necessary appurtenances, including a pump and appropriately sized pump house, but not including a water storage tank (unless the water storage tank can be contained within the pump house), may be allowed on each site in a buffer if all the following conditions are met:
  - a. The pump house is a one-story building with a ground area of less than 220 square feet; and
  - b. The well is more than 75 feet deep; and
  - c. For Category I and II wetlands, the minimum distance from the well and appurtenances to the wetland edge is no less than 50 percent of the buffer widths established in the table in LMC [14.162.080\(A\)](#); and
  - d. Access to the well and pump house shall be by a pervious trail for pedestrian traffic only, or, if necessary, by an unimproved access for a maintenance vehicle.
2. Pervious walkways and trails and associated viewing platforms; provided, that

those pathways are limited to minor crossings having no adverse impact on water quality. They should be generally parallel to the perimeter of the wetland, located only in the outer 25 percent of the wetland buffer area and located to avoid removal of significant trees. They should be limited to pervious surfaces no more than five feet in width for pedestrian use only. Raised boardwalks utilizing nontreated pilings may be acceptable. In the case of Category I wetlands the minimum distance from the wetland edge is no less than 50 percent of the buffer width established in the table in LMC [14.162.080\(A\)](#).

3. The placement of utility lines which do not require excavation, or utility poles, in any part of a buffer for a Category II, III, or IV wetland. They may be placed in a buffer for a Category I wetland; provided, that the minimum distance from the wetland edge is no less than 50 percent of the Category I buffer width established in the table in LMC [14.162.080\(A\)](#).

4. Activities within that area of a buffer in which a direct line to the wetland is obstructed by an existing substantial improvement such as an improved road or a permanent structure, the presence of which significantly reduces the likely impact of the proposed activity on the wetland.

A zoning certification, building permit, and/or site development permit shall not be issued for these regulated activities until the applicant demonstrates to the satisfaction of the Department that all adverse impacts to wetlands will be mitigated according to LMC [14.162.100](#).

D. *Reasonable Use Exception – Category I and II Wetlands.* Regulated activities in Category I and II wetlands and/or buffers for Category I and II wetlands may be allowed only if, following a public hearing, the Hearing Examiner determines that a reasonable use exception is warranted pursuant to LMC [14.142.080](#), and the following criteria are met:

1. No reasonable use with less impact on the wetland is possible; and
2. There is no feasible on-site alternative to the proposed activities, including phasing of project implementation, change in timing of activities, revision of road and lot layout, and/or related site planning and density considerations, that would allow a reasonable economic use with less adverse impacts to wetlands; and
3. The proposed activities will result in minimum feasible alteration or impairment to the wetland's functional characteristics and existing contours, vegetation, fish and wildlife resources, and hydrological conditions; and
4. The disturbance of wetlands has been minimized by locating any necessary activities outside the wetland to the extent possible; and
5. The proposed activities will not jeopardize the continued existence of species listed by the federal government or the state as endangered, threatened, sensitive, or documented priority species or priority habitats; and
6. The proposed activities will not cause significant degradation of ground water or surface water quality; and
7. The proposed activities comply with all state, local and federal laws, including, but not limited to, those related to sediment control, pollution control, floodplain restrictions, and on-site wastewater disposal; and
8. Any and all regulated activities in wetlands and buffers will be mitigated according to LMC [14.162.100](#). The Examiner may require the preparation of a formal mitigation plan; and

9. There will be no damage to nearby public or private property and no threat to the health or safety of people on or off the property; and
10. The inability to derive reasonable economic use of the property is not the result of actions by the applicant in segregating or dividing the property and creating the undevelopable condition after the effective date of this chapter.

E. *Reasonable Use Provision, Categories III and IV Wetlands.* If an applicant for a regulated activity on a Category III or IV wetland and/or associated buffer cannot obtain permission through the procedures described in subsections [A](#) and [C](#) of this section, the activity may be allowed if, following a public hearing, the Hearing Examiner determines the criteria of subsection [D](#) of this section are met. [Ord. 630 § 9, 2015; Ord. 362 § 3, 2004.]

#### 14.162.100 Mitigation.

~~A.—All activities in wetlands and/or buffers shall be mitigated according to this section. Mitigation sequencing is used to determine the type and extent of mitigation and is considered in order of preference, however there may be circumstances when an alternative mitigation strategy is preferable such as a mitigation bank, in-lieu fee program, or advance mitigation project that is implemented according to federal and state rules, state policy and state water quality regulations.~~

~~The order of preference for mitigation is:~~

~~A. The mitigation proposed should comply with LMC 14.142.135, as well as the following provisions.~~

~~Avoiding the impact altogether by not taking a certain action or parts of actions, and providing specified buffers and setbacks. Provision of specified buffers and setbacks is the expected method of mitigation unless an activity is listed as exempt, a reasonable use exception has been granted according to the provisions of this chapter, or an appropriate alternative mitigation program has been approved through a formal mitigation plan.~~

~~Minimizing impacts by limiting the degree or magnitude of the action and its implementation, by using appropriate technology, or by taking affirmative steps to reduce impacts.~~

~~The following types of mitigation (no order of preference):~~

~~Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;~~

~~Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action;~~

~~Compensating for the impact by replacing or providing substitute resources or environments.~~

~~Monitoring the impact and compensation and taking appropriate corrective measures.~~

~~Mitigation for individual actions may include a combination of the above measures.~~

~~B. Methods of Compensatory Mitigation. Mitigation for wetland and buffer impacts shall rely on a method listed below in order of preference. A lower-preference form of mitigation shall be used only if the applicant's qualified wetland professional demonstrates to the Director's satisfaction that all higher-ranked types of mitigation are not viable, consistent with the~~



criteria in this Section.

1. Restoration: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions and environmental processes to a former or degraded wetland. Restoration is divided into two categories:

a. Re-establishment: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of returning natural/historic functions and environmental processes to a former wetland. Re-establishment results in rebuilding a former wetland and results in a gain in wetland area and functions. Example activities could include removing fill, plugging ditches, or breaking drain tiles to restore a wetland hydroperiod, which in turn will lead to restoring wetland biotic communities and environmental processes.

a.b. Rehabilitation: The manipulation of the physical, chemical, or biological characteristics of a site with the goal of repairing natural/historic functions and environmental processes to a degraded wetland. Rehabilitation results in a gain in wetland function but does not result in a gain in wetland area. The area already meets wetland criteria, but hydrological processes have been altered. Rehabilitation involves restoring historic hydrologic processes. Example activities could involve breaching a dike to reconnect wetlands to a floodplain or return tidal influence to a wetland.

2. Establishment (Creation): The manipulation of the physical, chemical, or biological characteristics of a site to develop a wetland on an upland where a wetland did not previously exist at an upland site. Establishment results in a gain in wetland area and functions. An example activity could involve excavation of upland soils to elevations that will produce a wetland hydroperiod and hydric soils by intercepting groundwater, and in turn supports the growth of hydrophytic plant species.

a. If a site is not available for wetland restoration to compensate for expected wetland and/or buffer impacts, the Director may authorize establishment of a wetland and buffer upon demonstration by the applicant's qualified wetland professional that:

i. The hydrology and soil conditions at the proposed mitigation site are conducive for sustaining the proposed wetland and that establishment of a wetland at the site will not likely cause hydrologic problems elsewhere;

ii. Adjacent land uses and site conditions do not jeopardize the viability of the proposed wetland and buffer (e.g., due to the presence of invasive plants or noxious weeds, stormwater runoff, noise, light, or other impacts); and

iii. The proposed wetland and buffer will eventually be self-sustaining with little or no long-term maintenance.

iv. The proposed wetland would not be established at the cost of another high-functioning habitat (i.e., ecologically important uplands).

3. Preservation (Protection/Maintenance). The removal of a threat to, or preventing the decline of, wetlands by an action in or near those wetlands. This term includes activities commonly associated with the protection and maintenance of wetlands through the implementation of appropriate legal and physical mechanisms such as recording conservation easements and providing structural protection like fences and signs. Preservation does not result in a gain of aquatic resource area or functions but may result in a gain in functions over the long term. Preservation of a wetland and associated buffer can be used only if:
- a. The Director determines that the proposed preservation is the best mitigation option;
  - b. The proposed preservation site is under threat of undesirable ecological change due to permitted, planned, or likely actions that will not be adequately mitigated under existing regulations;
  - c. The area proposed for preservation is of high quality or critical for the health and ecological sustainability of the watershed or sub-basin. Some of the following features may be indicative of high-quality sites:
    - i. Category I or II wetland rating.
    - ii. Rare or irreplaceable wetland type [e.g, peatlands, mature forested wetland, estuaries, vernal pools, alkali wetlands] or aquatic habitat that is rare or a limited resource in the area.
    - iii. The presence of habitat for threatened or endangered species (state, federal, or both).
    - iv. Provides biological and/or hydrological connectivity to other habitats.
    - v. Priority sites identified in an adopted watershed plan.
  - c. Permanent preservation of the wetland and buffer shall be provided through a legal mechanism such as a conservation easement or tract held by an appropriate natural land resource manager/land trust.
  - b.d. The Director may approve another legal and administrative mechanism in lieu of a conservation easement if it is determined to be adequate to protect the site.
4. Enhancement. The manipulation of the physical, chemical, or biological characteristics of a wetland to heighten, intensify, or improve specific wetland function(s). Enhancement is undertaken for specified purposes such as water quality improvement, flood water retention, or wildlife habitat. Enhancement results in the gain of selected wetland function(s) but may also lead to a decline in other wetland function(s). Enhancement does not result in a gain in wetland area. Enhancement activities could include planting vegetation, controlling non-native or invasive species, and modifying site elevations to alter hydroperiods in existing wetlands. Applicants proposing to enhance wetlands and/or associated buffers shall demonstrate how the proposed enhancement will increase the wetland and/or buffer functions, how this increase in function will adequately compensate for the impacts, and how existing wetland functions at the mitigation site will be protected.
5. Alternative Types of Mitigation/Resource Tradeoffs. The Director may approve alternative mitigation proposals that are based on best available

science, such as priority restoration plans that achieve restoration goals identified in the SMP. Alternative mitigation proposals shall provide an equivalent or better level of ecological functions and values than would be provided by standard mitigation approaches. Alternative mitigation approaches shall comply with all reporting, monitoring, and performance measures of this Section including adherence to mitigation sequencing. The City may consult with agencies with expertise and jurisdiction over the critical areas during the review to assist with analysis and identification of appropriate performance measures that adequately safeguard critical areas. The Director will consider the following for approval of an alternative mitigation proposal:

- a. Clear identification of how an alternative approach will achieve equal or better ecological benefit.
- b. The proposal uses a watershed approach consistent with Selecting Wetland Mitigation Sites Using a Watershed Approach [Western Washington or Eastern Washington (Ecology Publication #09-06-32 or Publication #10-06-007), or as revised].
- c. All impacts are identified, evaluated, and mitigated.
- d. Methods to demonstrate ecological success are clear and measurable.

C. Location of Compensatory Mitigation. Permittee-responsible compensatory mitigation actions shall be conducted using a watershed approach and shall generally occur within the same sub-drainage basin. However, when the applicant can demonstrate that a mitigation site in a different sub-drainage basin is ecologically preferable, it should be used.

The following criteria will be evaluated when determining whether on-site or offsite compensatory mitigation is ecologically preferable. When considering the location of mitigation, preference should be given to using programmatic approaches, such as a mitigation bank or an ILF program.

1. No reasonable opportunities exist on site or within the sub-drainage basin or opportunities on site or within the sub-drainage basin do not have a high likelihood of success based on a determination of the capability of the site to compensate for the impacts. Considerations should include anticipated replacement ratios for wetland mitigation, buffer conditions and required widths, available water to maintain anticipated hydrogeomorphic class(es) of wetlands when restored, proposed flood storage capacity, and potential to mitigate riparian fish and wildlife impacts (such as connectivity);
2. On-site mitigation would require elimination of high-quality upland habitat;
3. Off-site mitigation has a greater likelihood of providing equal or improved wetland functions compared to the altered wetland.
4. Off-site locations shall be in the same sub-drainage basin unless:
  - a. Watershed goals for water quality, flood storage or conveyance, habitat, or other wetland functions have been established by the [City/County] and strongly justify locating mitigation at another site;
  - b. Credits from a state-certified wetland mitigation bank are used as compensation, and the use of credits is consistent with the terms of the certified bank instrument;

c. Fees are paid to an approved ILF program to compensate for the impacts.

7.5. The design for the compensatory mitigation project needs to be appropriate for its position in the landscape. Therefore, compensatory mitigation should not result in the creation, restoration, or enhancement of an atypical wetland.

D. Timing of Compensatory Mitigation. It is preferred that compensatory mitigation projects be completed prior to activities that will impact wetlands. At the least, compensatory mitigation shall be completed immediately following wetland impacts and prior to use or occupancy of the action or development. Construction of mitigation projects shall be timed to reduce impacts to existing fisheries, wildlife, and flora.

1. The Director may authorize a one-time temporary delay in completing construction or installation of the compensatory mitigation when the applicant provides a written explanation from a qualified wetland professional as to the rationale for the delay. An appropriate rationale would include identification of the environmental conditions that could produce a high probability of failure or significant construction difficulties. For example, a project delay that creates conflicts with other regulatory requirements (fisheries, wildlife, stormwater, etc.) or installing plants should be delayed until the dormant season to ensure greater survival of installed materials. The delay shall not create or perpetuate hazardous conditions or environmental damage or degradation, and the delay shall not be injurious to the health, safety, or general welfare of the public. The request for the delay shall include a written justification that documents the environmental constraints that preclude timely implementation of the compensatory mitigation plan. The justification will be verified by the City, who will issue a formal decision.

E. Monitoring. Mitigation monitoring shall be required for a period necessary to establish that performance standards have been met, but not for a period less than five years. If a scrub-shrub or forested vegetation community is proposed, monitoring may be required for ten years or more. The mitigation plan shall include monitoring elements that ensure success for the wetland and buffer functions. If the mitigation goals are not attained within the initially established monitoring period, the applicant remains responsible for managing the mitigation project until the goals of the mitigation plan are achieved.

1.—Avoiding the impact altogether by not taking a certain action or parts of actions, and providing specified buffers and setbacks. Provision of specified buffers and setbacks is the expected method of mitigation unless an activity is listed as exempt, a reasonable use exception has been granted according to the provisions of this chapter, or an appropriate alternative mitigation program has been approved through a formal mitigation plan.

2.—Minimizing impacts by limiting the degree or magnitude of the action and its implementation, by using appropriate technology, or by taking affirmative steps to reduce impacts.

3.—The following types of mitigation (no order of preference):

a.—Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;

- b.—Reducing or eliminating the impact over time by preservation and maintenance operations during the life of the action;
- c.—Compensating for the impact by replacing or providing substitute resources or environments.

4.—Monitoring the impact and compensation and taking appropriate corrective measures:

5.1. Mitigation for individual actions may include a combination of the above measures:

<b>Category and Type</b>	<b>Creation or Reestablishment</b>	<b>Rehabilitation</b>	<b>Preservation</b>	<b>Enhancement</b>
Category I: Mature	6:1	12:1	24:1	16:1
Category I: Based on functions	4:1	8:1	16:1	16:1
Category II	3:1	6:1	12:1	12:1
Category III	2:1	4:1	8:1	8:1
Category IV	1.5:1	3:1	6:1	6:1

A.F. Compensatory mitigation for alterations to wetlands shall be used only for impacts that cannot be avoided or minimized and shall achieve equivalent or greater biologic functions. Compensatory mitigation plans shall be consistent with Wetland Mitigation in Washington State – Part 2: Developing Mitigation Plans – Version 1 (Ecology Publication No. 06-06-011b, Olympia, WA, March 2006, or as revised), and Selecting Wetland Mitigation Sites Using a Watershed Approach (Western Washington) (Publication No. 09-06-32, Olympia, WA, December 2009).

6.2. Mitigation ratios shall be consistent with subsection (B)(3) of this section.

7.—Mitigation requirements may also be determined using the credit/debit tool described in Calculating Credits and Debits for Compensatory Mitigation in Wetlands of Western Washington: Final Report (Ecology Publication No. 10-06-011, Olympia, WA, March 2012, or as revised).

8.3. Wetland Mitigation Ratios[1].

<b>Category and Type of Wetland</b>	<b>Creation or Reestablishment</b>	<b>Rehabilitation</b>	<b>Enhancement</b>
Category I: Bog, natural heritage site	Not considered possible	Case-by-case	Case-by-case
Category I: Mature forested	6:1	12:1	24:1
Category I: Based on functions	4:1	8:1	16:1
Category II	3:1	6:1	12:1
Category III	2:1	4:1	8:1
Category IV	1.5:1	3:1	6:1

3. Ratios for rehabilitation and enhancement may be reduced when combined with 1:1 replacement through creation or reestablishment. See Table 1a, Wetland Mitigation in Washington State – Part 1: Agency Policies and Guidance – Version 1 (Ecology Publication No. 06-06-011a, Olympia, WA, March 2006, or as revised).

4. The detailed mitigation plan shall be signed by the wetland specialist to indicate that the plan is according to specifications determined by the wetland specialist. A signed original mitigation plan shall be submitted to the Department.

5. Approval of the detailed mitigation plan shall be signified by a notarized memorandum of agreement signed by the applicant and Department Director or designate, and recorded with the County Auditor. The agreement shall refer to all requirements for the mitigation project.

6. The mitigation project shall be completed according to a schedule agreed upon between the Department and the applicant.

7. Wetland mitigation shall occur according to the approved wetland mitigation plan, and shall be consistent with provisions of this chapter.

8. On completion of construction for the wetland mitigation project, the wetland specialist shall notify the Department. The Department will inspect and review the construction project prior to acceptance. [Ord. 630 § 10, 2015; Ord. 362 § 3, 2004.]

~~14.162.110 — New agricultural activities:~~

~~An applicant may use the following procedure to initiate agricultural activities:~~

~~A:—Where the Department determines that a regulated wetland may be present within 150 feet of the proposed activity, the applicant shall select one of the following options:~~

~~1.—The applicant shall provide the Department with a report prepared by a wetland specialist which recommends the appropriate wetland category and includes rationale for the recommendation. The Department will review and approve the wetland category and buffer as follows:~~

<del>Wetla</del>	<b>Buffer</b>
<del>nd</del>	
<del>Catego</del>	
<del>ry</del>	



I	150 feet
II	100 feet
III	50 feet
IV	25 feet

2.—Alternatively, the Department, upon request, shall determine the appropriate wetland category. The buffer width shall be according to the table in subsection (A)(1) of this section:

B.—The Department will determine whether the activity would intrude into the buffer, the wetland, or both:

1.—If the Department determines that the proposed activity may intrude into the wetland and/or buffer, the applicant shall prepare a delineation report subject to approval by the Department; or

2.—If the Department determines that the proposed activity may intrude only into the buffer, the Department, upon request, shall delineate the wetland.

C.—Following approval of the delineation report or the Department's completion of the delineation, the applicant shall place permanent, clearly visible markers on site at the edge of the buffer. Placement of markers by a licensed surveyor is not required. No regulated activities shall occur within the wetland and/or buffer except as allowed in subsection D of this section. Temporary intrusion into the buffer necessary for construction activities may be allowed if the buffer can be adequately restored. Livestock shall be fenced from the wetland and buffer, unless the requirements of subsection D of this section are met.

D.—Agricultural activities may be initiated:

1.—In a buffer, if the applicant demonstrates to the Department that all adverse impacts to wetlands will be mitigated:

2.—In the wetland after Department approval of the following reports, which shall be prepared by a wetland specialist obtained by the applicant:

a.—A report which recommends the appropriate wetland category and includes rationale for the recommendation, unless the category has already been determined by the Department; and

b.—A wetland delineation report, unless a delineation has already been approved by the Department; and

c.—A best management plan developed by the Pierce County Conservation District or USDA Soil Conservation Service. A wetland specialist shall review the plan and specify mitigation for all impacts to wetlands, other than water quality impacts reviewed by the Conservation District or Soil Conservation Service; and

d.—A report prepared by a wetland specialist which demonstrates that the proposed activity:

i.—Will not jeopardize the continued existence of species listed by the federal government or the state as endangered, threatened, sensitive, or documented priority species or priority habitats;

ii.—Will not cause significant degradation of ground water or surface water quality; and

iii.i. Will not damage public or private property and will not threaten public health or safety. [Ord. 362 § 3, 2004.]

iv.—

14.162.120 Alternative review process, Corps of Engineers Section 404 individual permits.

A. The alternative review process outlined below ~~will~~ may be used in cases where a Section 404 individual permit is required from the U.S. Army Corps of Engineers. (Refer to [33 CFR Sections 320.1, 323.2\(g\), and 325.5\(b\)\(1\).](#))

1. The applicant shall notify the Department when the applicant applies for the Section 404 permit or contacts the Corps concerning a specific project.

2. The applicant shall apprise the Department of the Corps' permitting process, including notifying the Department of all hearings or meetings scheduled to discuss the applicant's project, potential mitigation or approval.

3. The review process of the Corps will substitute for the review process outlined in LMC [14.162.130](#) when the protection of the wetland or wetlands in question is equal to or better than the provisions of this chapter or the City's SMP. When protection through the Corps permitting process is lesser than in this chapter or the SMP, the provisions of the latter shall be used.

~~1.4.~~ The City participation in the Corps' review process does not constitute approval of the applicant's project by the City. The substantive provisions of this chapter are still applicable and authorization of regulated activities will be approved or denied by the Department based upon those provisions. However, the Department shall consider the mitigation requirements as set forth by the commenting agencies during the Corps' review process and shall concur with that mitigation, if it is functionally equivalent with to or more protective than the requirements of this chapter.

5. The applicant shall submit the information specified in LMC [14.162.070](#) and [14.162.100](#) to the Department when filing for the Corps permit. The Department may also require the submittal of any additional information deemed necessary.

~~2.6.~~ *Notice of Application.* A notice of application will be required for any permit applications subject to Chapter [18A.20](#) LMC, Article III. [Ord. 726 § 2(Exh. A), 2019; Ord. 362 § 3, 2004.]

14.162.130 Wetland review procedure, fees, and title notification.

A. *Procedure.* The provisions of this section regarding wetlands regulation shall be incorporated and integrated into other City permitting requirements including, but not limited to, the review and issuance of zoning certifications, site development permits, clearing and grading permits, building permits, environmental reviews under SEPA, administrative and conditional use permits, shoreline permits and subdivisions.

B. *Fees.* Each applicable fee shall be payable at the time the applicant submits an application or document to which a fee applies according to the City's fee schedule.

C. *Notice on Title.* When the City determines that activities not exempt from this chapter are proposed, the property owner shall file for record with the Pierce County Auditor a notice approved by the Department in a form substantially as set forth below. The notice shall provide notice in the public record of the presence of a wetland or buffer, the application of this chapter to the property, and that limitations on actions in or affecting such wetlands and buffers may exist. The notice shall be notarized and shall be recorded prior to approval of any land use proposal for the site.

Notice on title is not required for utility line easements on lands not owned by the jurisdiction conducting the regulated activity.

Form of notice:

WETLAND AND/OR WETLAND BUFFER NOTICE

Tax Parcel  
Number:

Name:

Address:

Legal Description:

NOTICE: This property contains wetlands or wetland buffers as defined by the City Code 14.162. Restrictions on use or alteration of the wetlands or wetland buffers may exist due to natural conditions of the property and resulting regulations.

Signature of owner \_\_\_\_\_

Date: \_\_\_\_\_

(NOTARY ACKNOWLEDGMENT)

*D. Wetland Tract.*

1. Prior to final approval of any development application on a property containing a wetland or wetland buffer, the part of the wetland and/or buffer which is on the site shall be placed in a separate wetland tract or tracts, protective easement, public or private land trust dedication, or similarly preserved through an appropriate permanent protective mechanism as determined by the City. All wetland tracts, protective easements, land trust dedications and other similarly preserved areas shall remain undeveloped in perpetuity, except as they may be allowed to be altered pursuant to this chapter.
2. Prior to final approval of any development application on a property containing a wetland or wetland buffer, the common boundary between a wetland tract, protective easement, land trust dedication, or other similarly preserved area and the adjacent land shall be permanently identified with permanent signs. Sign locations, wording, and size and design specifications shall be as required by the Department.
3. At any time after a wetland tract, protective easement, land trust dedication, or other similarly preserved area has been established, the owner may submit a delineation report to the Department. If the Department determines that a boundary change has occurred, or that a wetland no longer exists, the wetland

tract, protective easement, land trust dedication, or other similarly preserved area may be altered or eliminated, as appropriate. If the Department determines that wetland boundaries have changed or that a wetland has been eliminated due wholly or in part to illegal activity, a change or elimination of wetland tract, protective easement, land trust dedication, or other similarly preserved area shall not be permitted.

4. A wetland tract, protective easement, land trust dedication, or other similarly preserved area is not required for utility lines in easements on lands not owned by the jurisdiction conducting the regulated activity.

E. *Review and Approval.* Provisions for the protection of wetlands in conjunction with regulated activities shall be reviewed and approved by the Department. Approval shall be granted upon a determination that the wetland analysis report and mitigation plan meet all applicable requirements of this chapter, and that the monitoring program and contingency plan are tied to an acceptable financial guarantee to assure that the requirements will be complied with.

F. *Expiration.* Approvals shall be valid for a period of three years from the date of issue unless a longer or shorter period is specified by the Department. An extension of an original approval may be granted upon submittal of a written request to the Department prior to expiration. Prior to the granting of an extension, the Department may require updated studies if, in its judgment, the original intent of the approval is altered or enlarged by the renewal, if the circumstances relevant to the review and issuance of the original permit have changed substantially, or if the applicant failed to abide by the terms of the original approval. [Ord. 362 § 3, 2004.]

Chapter 14.165  
DEFINITIONS

Sections:  
14.165.010

**Definitions.**

#### **14.165.10 Definitions.**

For the purpose of this title, in addition to the definitions in LMC [18A.10.180](#), the following definitions shall apply:

“Abutting” means bordering upon, to touch upon, in physical contact with. Sites are considered abutting even though the area of contact may be only a point.

“Activity” means any use conducted on a site.

“Agricultural activities” means the production of crops and/or raising or keeping livestock, including operation and maintenance of farm and stock ponds, drainage ditches, irrigation systems, and normal operation, maintenance and repair of existing serviceable agricultural structures, facilities or improved areas, and the practice of aquaculture. Forest practices regulated under Chapter [76.09](#) RCW, Title [222](#) WAC are not included in this definition.

“Alluvial geologic unit” means geologically recent stream, lake, swamp and beach deposits of gravel, sand, silt and peat.

“Animal containment area” means a site where two or more animal units of large animals per acre or three- quarters of an animal unit of small animals per acre are kept, and where a high volume of waste material is deposited in quantities capable of impacting ground water resources.

“Animal unit” means the equivalent of 1,000 pounds of animal.

“Applicant” means a person, party, firm, corporation, or other legal entity that proposes a development on a site.

“Aquifer” means a saturated geologic formation which will yield a sufficient quantity of water to serve as a private or public water supply.

“Aquifer recharge area” means areas where the prevailing geologic conditions allow infiltration rates which create a high potential for contamination of ground water resources or contribute significantly to the replenishment of ground water with potential to be used for potable water. For the purposes of this title, all of the area located within the Clover/Chambers Creek Basin boundary or the two highest DRASTIC zone boundaries is included in the aquifer recharge area.

“Aquifer susceptibility” means the ease with which contaminants can move from the land surface to the aquifer based solely on the types of surface and subsurface materials in the area. Susceptibility usually defines the rate at which a contaminant will reach an aquifer unimpeded by chemical interactions with the vadose zone media.

“Base flood” means the flood having a one percent chance of being equaled or



exceeded in any given year, also referred to as the “100-year flood.” The area subject to the base flood is the special flood hazard area designated on flood insurance rate maps as Zones “A” or “V.”

“Base flood elevation” means the elevation of the base flood above the datum of the effective firm. “Basement” means any area of structure having its floor sub-grade (below ground level) on all sides.

“Best management plan” means a plan developed for a property which specifies best management practices for the control of animal wastes, storm water runoff, and erosion.

“Biologist” means a qualified professional for critical area reports who has earned at least a bachelor of science degree in biological sciences from an accredited college or university, and has at least four years of professional experience as a biologist.

“Buffer” means an area contiguous with a critical area that is required for the integrity, maintenance, function, and structural stability of the critical area.

“Building footprint” means the horizontal area measured within the outside of the exterior walls of the ground floor of all principal and accessory buildings on a lot.

“Channel migration area” means that area within the lateral extent of likely stream channel movement due to stream bank destabilization and erosion, rapid stream incision, aggradation, avulsions, and shifts in location of stream channels plus 50 feet.

“Class” means one of the wetland classes used to categorize wetlands by their attributes and characteristics. Wetlands shall be rated using the latest adopted version of the Washington State Wetland Rating System for Western Washington published by the Washington State Department of Ecology.

“Class I injection well” means a well used to inject industrial, commercial, or municipal waste fluids beneath the lowermost formation containing, within one-quarter mile of the well bore, an underground source of drinking water.

“Class II injection well” means a well used to inject fluids: brought to the surface in connection with conventional oil or natural gas exploration or production and may be commingled with wastewaters from gas plants that are an integral part of production operations, unless those waters are classified as dangerous wastes at the time of injection; for enhanced recovery of oil or natural gas; or for storage of hydrocarbons that are liquid at standard temperature and pressure.

“Class III injection well” means a well used for extraction of minerals, including but not limited to the injection of fluids for: in-situ production of uranium or

other metals that have not been conventionally mined; mining of sulfur by Frasch process; or solution mining of salts or potash.

“Class IV injection well” means a well used to inject dangerous or radioactive waste fluids.

“Class V injection wells” means all injection wells not included in Class I, II, III, or IV.

“Classification” means defining value and hazard categories to which critical areas and natural resource lands will be assigned.

“Clearing” means the cutting, moving on site, or removal of standing or fallen timber; the removal or moving on site of stumps; or the cutting or removal of brush, grass, ground cover, or other vegetative matter from a site in a way which exposes the earth’s surface of the site. In addition to the above, clearing is an activity which does not require reforestation per an approved forest practices application/notification issued by the Department of Natural Resources.

“Cliff” means a steep vertical or overhanging face of rock or earth greater than 25 feet in height.

“Compensatory mitigation” means mitigation to compensate for loss of wetland habitat due to filling of wetlands or other regulated activities in wetlands.

“Confined aquifer” means an aquifer bounded above and below by beds of distinctly lower permeability than that of the aquifer itself and that contains ground water under sufficient pressure for the water to rise above the top of the aquifer.

“Confining formation” means the relatively impermeable formation immediately overlying an artesian aquifer.

“Contaminant” means any chemical, physical, biological, or radiological substance that does not occur naturally or occurs at concentrations and duration as to be injurious to human health or welfare or shown to be ecologically damaging.

“Critical aquifer recharge area” means areas that are determined to have a critical recharging effect on aquifers used as a source for potable water, and are vulnerable to contamination from recharge.

“Critical areas” means wetlands, ~~flood hazard~~ frequently flooded areas, fish and wildlife habitat conservation areas, aquifer recharge areas, and geologically hazardous areas as defined in this chapter.

“Critical facilities” means those facilities occupied by populations or which handle dangerous substances including but not limited to hospitals, medical facilities; structures housing, supporting or containing toxic or explosive substances; covered public assembly structures; school buildings through secondary including day-care centers; buildings for colleges or adult education; jails and detention facilities; and all structures with occupancy of greater than 5,000 people.

“Degraded” means to have suffered a decrease in naturally occurring functions and values due to activities undertaken or managed by persons, on or off a site.

“Delineation” means identification of wetlands and their boundaries done in accordance with the approved federal wetland delineation manual and applicable regional supplements.

“Delineation report” means a written document prepared by a wetland specialist which includes data sheets, findings of the delineation and a site plan which identifies the wetland boundaries.

“Department” means the City of Lakewood Planning and Public Works Department.

“Designation” means taking formal legislative and/or administrative action to adopt classifications, inventories, and regulations.

“Developed lot” means any lot developed with a primary use and structure(s), not generally subject to further development with additional units or other primary uses.

“Development” means any human-induced change to improved or unimproved real property including, but not limited to, the construction of buildings or other structures, placement of manufactured home/mobile, mining, dredging, clearing, filling, grading, paving, excavation, drilling operations, storage of equipment or materials, subdivision of property, removal of substantial amounts of vegetation, or alteration of natural site characteristics.

“Director” means the Director of the Planning and Public Works Department or his/her designee.

“DRASTIC” means a model developed by the National Water Well Association and Environmental Protection Agency used to measure aquifer susceptibility.

“Dry certificate” means any combination of structural and nonstructural measures that prevent flood waters from entering a structure.

“Earth/earth material” means naturally occurring rock, soil, stone, sediment, or combination thereof. “Ecotone” means a transition area between two adjacent vegetation communities.

“Elevation certificate” means the official form (FEMA form 81-31) used to provide elevation information necessary to ensure compliance with provisions of this title and determine the proper flood insurance premium rate.

“Enhancement” means actions performed to improve the condition of existing degraded wetlands and/or buffers so that the quality of wetland functions increases (e.g., increasing plant diversity, increasing wildlife habitat, installing environmentally compatible erosion controls, removing nonindigenous plant or animal species, removing fill material or solid waste).

“Erosion” means the wearing away of the earth’s surface as a result of the movement of wind, water, or ice.

“Erosion hazard areas” means those areas that because of natural characteristics, including vegetative cover, soil texture, slope, gradient, and rainfall patterns, or human-induced changes to such characteristics, are vulnerable to erosion.

“Excavation” means the mechanical removal of earth material.

“Existing” means those uses legally established prior to incorporation whether conforming or nonconforming. “Extirpation” means the elimination of a species from a portion of its original geographic range.

“Feasible” means, for the purpose of this chapter, that an action, such as a development project, mitigation, or preservation requirement, meets all of the following conditions: (1) the action can be accomplished with technologies and methods that have been used in the past in similar circumstances, or studies or tests have demonstrated in similar circumstances that such approaches are currently available and likely to achieve the intended results; (2) the action provides a reasonable likelihood of achieving its intended purpose; and (3) the action does not physically preclude achieving the project’s primary intended legal use. In cases where this chapter requires certain actions, unless they are infeasible, the burden of proving infeasibility is on the applicant. In determining an action’s infeasibility, the Director may weigh the action’s relative public costs and public benefits, considered in the short- and long-term time frames.

“Fill/fill material” means a deposit of earth material, placed by human or mechanical means.

“Filling” means the act of placing fill material on any surface, including temporary stockpiling of fill material. “Fish and wildlife habitat areas” means those areas identified as being of critical importance to maintenance of fish, wildlife, and plant species, including: areas with which endangered, threatened, and sensitive species have a primary association; habitats and species of local importance; naturally occurring ponds under 20 acres and their submerged aquatic beds that provide fish or wildlife habitat; waters of the state; lakes, ponds, streams, and rivers planted with game fish by a

governmental or tribal entity, or private organization; state natural area preserves and natural resource conservation areas.

“Fisheries biologist” means a professional with a degree in fisheries, or certification by the American Fisheries Society, or with five years’ professional experience as a fisheries biologist.

~~“Flood hazard areas” means areas of land located in floodplains which are subject to a one percent or greater chance of flooding in any given year. These areas include, but are not limited to, streams, rivers, lakes, coastal areas, wetlands, and the like.~~

“Flood insurance rate map (FIRM)” means the official map on which the Federal Emergency Management Agency has delineated both the special flood hazard areas and the risk premium zones applicable to the community.

“Flood or flooding” means a general and temporary condition of partial or complete inundation of normally dry land areas from:

1. The overflow of inland or tidal waters; and/or
2. The unusual and rapid accumulation of runoff of surface waters from any source.

“Flood protection elevation” (FPE) means the elevation above the datum of the effective FIRM to which the new and substantially improved structures must be protected from flood damage.

“Floodfringe” means the area subject to inundation by the base flood, but outside the limits of the floodway, and which may provide needed temporary storage capacity for flood waters.

“Floodplain” means the total area subject to inundation by the base flood, including the floodfringe and the floodway areas.

“Floodway” means the channel of a river, or other watercourse, and the land areas that must be reserved in order to convey and discharge the base flood without cumulatively increasing the water surface elevation by more than one foot, and those areas designated as deep and/or fast-flowing water.

~~“Frequently flooded areas” are lands in the floodplain subject to at least a one percent or greater chance of flooding in any given year, or within areas subject to flooding due to high groundwater. These areas include, but are not limited to, streams, rivers, lakes, coastal areas, wetlands, and areas where high groundwater forms ponds on the ground surface.~~

“Geological assessment” means an assessment prepared by a professional engineer licensed by the state of Washington with expertise in geotechnical engineering or prepared by a professional geologist, hydrologist, or soils scientist, who has earned the related bachelor’s degree from an accredited

college or university, or equivalent educational training, and has a minimum of five years' experience assessing the relevant geologic hazard. A geological assessment must detail the surface and subsurface conditions of a site and delineate the areas of a property that might be subject to specified geologic hazards.

"Geologically hazardous areas" means areas that, because of their susceptibility to erosion, sliding, earthquake, or other geological events, ~~may pose a risk~~ are not suited to the siting of commercial, residential, or industrial development consistent with public health or safety concerns.

"Geotechnical report" means a report prepared by a professional engineer licensed by the state of Washington with expertise in geotechnical engineering, evaluating the site conditions and mitigating measures necessary to reduce the risks associated with development in geologically hazardous areas.

"Grading" means any excavating, filling, clearing, creating (or combination thereof) of impervious surfaces.

"Ground amplification" means an increase in the intensity of earthquake induced ground shaking which occurs at a site whereby thick deposits of unconsolidated soil or surficial geologic materials are present.

"Ground water" means all water found beneath the ground surface, including slowly-moving subsurface water present in aquifers and recharge areas.

"Ground water management area" means a specific geographic area or subarea designated pursuant to Chapter [173-100](#) WAC for which a ground water management program is required.

"Ground water management program" means a comprehensive program designed to protect ground water quality, to assure ground water quantity, and to provide for efficient management of water resources while recognizing existing ground water rights and meeting future needs consistent with local and state objectives, policies and authorities within a designated ground water management area or subarea and developed pursuant to Chapter [173-100](#) WAC.

"Habitat assessment" means a report prepared by a professional wildlife biologist or fisheries biologist, which identifies the presence of fish and wildlife habitat conservation areas in the vicinity of the proposed development site.

"Habitat management plan" means a report prepared by a professional wildlife biologist or fisheries biologist, which discusses and evaluates the measures necessary to maintain fish and wildlife habitat conservation areas on a proposed development site.



“Habitat of local importance” means an area, range or habitat within which a species has a primary association and which, if altered, may reduce the likelihood that the species will maintain and reproduce over the long term. Examples include areas of high relative density or species richness, breeding habitat, winter range, and movement corridors. These areas may also include habitats that are of limited availability or high vulnerability to alteration.

The Lakewood City Council may designate specific habitats of local importance by ordinance or resolution.

“Hazardous substance(s)” means any liquid, solid, gas, or sludge, including any materials, substance, product, commodity, or waste, regardless of quantity, that exhibits any of the physical, chemical or biological properties described in WAC [173-303-090](#) or [173-303-100](#).

“Hazardous substance processing or handling” means the use, storage, manufacture, or other land use activity involving hazardous substances, but does not include individually packaged household consumer products or quantities of hazardous substances of less than five gallons in volume per container. Hazardous substances shall not be disposed on site unless in compliance with Dangerous Waste Regulations, Chapter [173-303](#) WAC, and any pertinent local ordinances, such as sewer discharge standards.

“Hazardous waste” means and includes all dangerous waste and extremely hazardous waste as designated pursuant to Chapter [70.300](#) RCW and Chapter [173-303](#) WAC.

1. “Dangerous waste” means any discarded, useless, unwanted, or abandoned substances including, but not limited to, certain pesticides, or any residues or containers of such substances which are disposed of in such quantity or concentration as to pose a substantial present or potential hazard to human health, wildlife, or the environment because such wastes or constituents or combinations of such wastes:
  - a. Have short-lived, toxic properties that may cause death, injury, or illness or have mutagenic, teratogenic, or carcinogenic properties; or
  - b. Are corrosive, explosive, flammable, or may generate pressure through decomposition or other means.
2. “Extremely hazardous waste” means any waste which:
  - a. Will persist in a hazardous form for several years or more at a disposal site and which in its persistent form presents a significant environmental hazard and may be concentrated by living organisms through a food chain or may affect the genetic make-up of humans or wildlife; and
  - b. Is disposed of at a disposal site in such quantities as would present an extreme hazard to humans or the environment.

“Hazardous waste treatment and storage facility” means a facility that treats and stores hazardous waste and is authorized pursuant to Chapter [70.300](#) RCW and

Chapter [173-303](#) WAC. It includes all contiguous land and structures used for recycling, reusing, reclaiming, transferring, storing, treating, or disposing of hazardous waste. Treatment includes using physical, chemical, or biological processing of hazardous wastes to make such waste nondangerous or less dangerous and safer for transport, amenable for energy or material resource recovery.

Storage includes the holding of waste for a temporary period but not the accumulation of waste on the site of generation as long as the storage complies with applicable requirements of Chapter [173-303](#) WAC.

“Historic structure” means a structure that:

1. Is listed on the National Register of Historic Places, the Washington Heritage Register, or the Washington Heritage Barn Register; or
2. Has been certified to contribute to the historical significance of a registered historic district.

“Hydrogeologic assessment” means a report detailing the subsurface conditions of a site and which indicates the susceptibility and potential for contamination of ground water supplies.

“Hydrologic soil groups” means soils grouped according to their runoff-producing characteristics under similar storm and cover conditions. Properties that influence runoff potential are depth to seasonally high water table, intake rate and permeability after prolonged wetting, and depth to a low permeable layer. Hydrologic soil groups are normally used in equations that estimate runoff from rainfall, but can be used to estimate a rate of water transmission in soil. There are four hydrologic soil groups: A, with low runoff potential and a high rate of water transmission; B with moderate infiltration potential and rate of water transmission; C, with a slow infiltration potential and rate of water transmission; and D, with a high runoff potential and very slow infiltration and water transmission rates.

“Hydrologically isolated wetland” means a wetland which:

1. Is not contiguous to any 100-year floodplain of a lake, river or stream; and
2. Has no contiguous surface hydrology, hydric soil or hydrophytic vegetation between the wetland and any other wetland or stream system.

“Hyporheic zone” means a saturated layer of rock or sediment beneath and/or adjacent to a stream channel that contains some proportion of channel water or that has been altered by channel water infiltration.

“Impervious surface” means natural or human-produced material on the ground that does not allow surface water to penetrate into the soil. Impervious surfaces may consist of buildings, parking areas, driveways, roads, sidewalks, and any other areas of concrete, asphalt, plastic, etc.

“Infiltration” means the downward entry of water into the immediate surface of soil.

“In-kind mitigation” means to replace wetlands with substitute wetlands whose characteristics and functions and values are intended to replicate those destroyed or degraded by a regulated activity.

“Lakes” means impoundments of open water 20 acres or larger in size.

“Landfill” means a disposal facility or part of a facility at which solid waste is permanently placed in or on land and which is not a landspreading disposal facility.

“Landslide” means the abrupt downslope movement of soil, rocks, or other surface matter on a site. Landslides may include, but are not limited to, slumps, mudflows, earthflows, rockfalls, and snow avalanches.

“Landslide hazard areas” means areas which are potentially subject to risk of mass movement due to a combination of geologic, topographic, and hydrologic factors.

“Large animal” means an animal with an average weight of 100 pounds or more.

“Liquefaction” means a process by which a water-saturated granular (sandy) soil layer loses strength because of ground shaking commonly caused by an earthquake.

“Long-term commercial significance” means the growing capacity, productivity, and soil composition of land which makes it suitable for long-term commercial production, in consideration with the land’s proximity to population areas, and the possibility of more intense uses of land.

“Mineral resource lands” means lands primarily devoted to the extraction of minerals or which have known or potential long-term commercial significance for the extraction of minerals.

“Minerals” means gravel, sand, and valuable metallic substances.

“Mitigation” means to avoid, minimize or compensate for adverse environmental impacts. “Mitigation” includes:

1. Avoiding the impact altogether by not taking a certain action or parts of an action;
2. Minimizing impacts by limiting the degree or magnitude of the action and its implementation, by using appropriate technology, or by taking affirmative steps to avoid or reduce impacts;
3. Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;
4. Reducing or eliminating the impact over time by preservation and

- maintenance operations during the life of the action;
5. Compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and/or
  6. Monitoring the impact and taking appropriate corrective measures.

“Natural floodplain functions” means the contribution that a floodplain makes to support habitat, including but not limited to providing flood storage and conveyance, reducing flood velocities, reducing sedimentation, filtering nutrients and impurities from runoff, processing organic wastes, moderating temperature fluctuations and providing breeding and feeding grounds for aquatic and riparian species.

“Natural resource lands” means mineral resource lands which have long-term commercial significance.

“New construction” for flood hazard purposes refers to structures for which the “start of construction” commenced on or after the effective date of the ordinance codified in this title.

“Nonconforming lot” means a legally established lot, the area, dimensions, or location of which met the applicable requirements in effect at the time the lot was created, but which fails by reason of such adoption, amendment, or revision of the Lakewood Municipal Code to conform to the present requirements of the zone in which it is located.

“Nonconforming structure” means a legally established structure or building, the size, dimensions, or setbacks of which met the applicable requirements in effect at the time the building was constructed, but which fails by reason of adoption, amendment, or revision of the Lakewood Municipal Code to conform to the present requirements of the zone in which it is located.

“Nonconforming use” means a legally established use that met the applicable requirements at the time it was established but that fails by reason of adoption, amendment, or revision of the Lakewood Municipal Code to conform to the present requirements of the zone in which it is located.

“Old growth forests” means stands of at least two tree species, forming a multi-layered canopy with occasional small openings; with at least 20 trees/hectare (eight trees/acre) more than 81 centimeters (32 inches) dbh or more than 200 years of age; and more than 10 snags/hectare (four snags/acre) over 51 centimeters (20 inches) diameter and 4.6 meters (15 feet) tall; with numerous downed logs, including 10 logs/hectare (four logs/acre) more than 61 centimeters (24 inches) diameter and more than 15 meters (50 feet) long. High elevation stands (more than 762 meters (2,500 feet)) may have lesser dbh (more than 76 centimeters (30 inches)), fewer snags (more than 0.6/ hectare (1.5/acre)),

and fewer large downed logs (0.8 logs/hectare (two logs/acre)) that are more than 61 centimeters (24 inches) diameter and more than 15 meters (50 feet) long.

“Ordinary high water” means that mark on all lakes, streams, ponds, and tidal water that will be found by examining the bed and banks and ascertaining where the presence and action of water are so common and usual, and so long continued in all ordinary years, as to mark upon the soil a character distinct from that of the abutting upland, in respect to vegetation as that condition exists on the effective date of this chapter or as it may naturally change thereafter; provided, that in any area where the ordinary high water mark cannot be found, the ordinary high water mark adjoining fresh water shall be the mean high water.

“Oregon white oak” means the species *Quercus garryana*, also known as a Garry oak. All references to oak trees in this chapter refer to Oregon white oak. See also “priority Oregon white oak woodland.”

“Out-of-kind mitigation” means to replace wetlands with substitute wetlands whose characteristics do not approximate those destroyed or degraded by a regulated activity.

“Perched ground water” means ground water in a saturated zone is separated from the main body of ground water by unsaturated rock.

“Permanent erosion control” means continuous on-site and off-site control measures that are needed to control conveyance and/or deposition of earth, turbidity or pollutants after development, construction, or restoration.

“Permeability” means the capacity of an aquifer or confining bed to transmit water. It is a property of the aquifer and is independent of the force causing movement.

“Permeable surfaces” mean sand, gravel, and other penetrable deposits on the ground which permit movement of ground water through the pore spaces, and which permit the movement of fluid to the ground water.

“Person” means an individual, firm, company, partnership, association, corporation, or other legal entity.

“Ponds” means naturally occurring impoundments of open water less than 20 acres in size and larger than 2,500 square feet which maintain standing water throughout the year.

“Potable water” means water that is safe and palatable for human use.

“Prairies” means open areas predominated by native, drought-resistant, grasses, forbs (flowering nonwoody plants) and herbs. In Pierce County,

prairies are an unusual vegetation regime found in areas of extremely well-drained soils.

“Priority Oregon white oak woodland” means forested areas of pure oak, or of oak/conifer associations one acre or larger, and all oak trees located within, where oak canopy coverage of the area is at least 25 percent. Stands of oaks less than one acre in size may also be considered priority habitat when found to be particularly valuable to fish and wildlife (i.e., they contain many cavities, have a large diameter at breast height (dbh), are used by priority species, or have a large canopy).

“Private organization” means a nonprofit corporation organized pursuant to Chapter [24.03](#) RCW, which includes the planting of game fish among its purposes for organizing as a nonprofit corporation.

“Protected area” means the lands that lie within the boundaries of the floodway, the riparian habitat zone and the channel migration area. Because of the impact that development can have on flood heights and velocities and habitat, special rules apply in the protected area.

“Public services” include fire protection and suppression, law enforcement, public health, education, recreation, environmental protection, and other governmental services.

“Qualified ground water scientist” means a hydrogeologist, geologist, engineer, or other scientist who meets all the following criteria:

1. Has received a baccalaureate or post-graduate degree in the natural sciences or engineering; and
2. Has sufficient training and experience in ground water hydrology and related fields as may be demonstrated by state registration, professional certifications, or completion of accredited university programs that enable that individual to make sound professional judgments regarding ground water vulnerability.

“Qualified professional” means a person who is a qualified scientific expert with expertise appropriate to the relevant critical areas as determined by the person’s credentials and/or certification, any advanced degrees earned in the pertinent scientific discipline from a recognized university, the number of years of experience in the pertinent scientific discipline, recognized leadership in the discipline of interest, formal training in the specific area of expertise, and field and/or laboratory experience with evidence of the ability to produce peer-reviewed publications or other professional literature. No one factor is determinative in deciding whether a particular person is a qualified professional.

“Reasonable use” means a legal concept articulated by federal and state courts in regulatory taking cases. In a takings case, the decision-maker must balance the public’s interests against the owner’s interests by considering the nature of the harm the regulation is intended to prevent, the availability and



effectiveness of alternative measures, and the economic loss borne by the owner. Public interest factors include the seriousness of the public problem, the extent to which the land involved contributes to the problem, the degree to which the regulation solves the problem, and the feasibility of less oppressive solutions.

“Reasonable use exception” means a process by which the City will consider an applicant’s request for relief from critical area regulations if the applicant demonstrates that strict application of critical area regulations would deny all reasonable use of a property.

“Recessional outwash geologic unit” means sand and gravel materials deposited by melt-water streams from receding glaciers.

“Recharge” means the process involved in the absorption and addition of water to ground water.

“Regolith” means any body of loose, noncemented particles overlying and usually covering the bedrock.

“Regulated activities” include, but are not limited to, any activities which are directly undertaken or originate in a regulated critical area or resource land or their buffer that require any of the following entitlements from the City: building permit, commercial or residential; binding site plan; boundary line adjustment; conditional use permit; franchise right-of-way construction permit; site development permit; master plan development; right-of-way permit; shoreline conditional use permit; shoreline environmental redesignation; shoreline substantial development permit; shoreline variance; large lot subdivision, short subdivision; special use permit; subdivision; unclassified use permit; utility and other use permit; variance; zone reclassification; or any subsequently adopted permit or required approval not expressly exempted by this chapter. Regulated activities also include those specific activities listed in LMC [14.142.060](#).

“Regulatory floodplain” means the area of the special flood hazard area and all protected areas within the jurisdiction of the City of Lakewood.

“Restoration” means the reestablishment of ecological and/or habitat resources and features from a previously disturbed or degraded critical area site.

“Riparian” means of, adjacent to, or living on, the bank of a river, lake, pond, ocean, sound, or other water body.

“Seismic hazard areas” means areas subject to severe risk of damage as a result of earthquake induced ground shaking, slope failure, settlement, or soil liquefaction.

“Short subdivision” or “short plat” means the division or redivision of land into

four or fewer lots, tracts, parcels, sites or divisions for the purpose of sale, lease, or transfer of ownership.

“Site” means a lot, parcel, tract, or combination of lots, parcels, or tracts where a development is proposed.

“Slope” means an inclined earth surface, the inclination of which is expressed as the ratio of horizontal distance to vertical distance.

“Slump” means the downward and outward movement of a mass of bedrock or regolith along a distinct surface of failure.

“Snag-rich areas” means forested areas which contain concentrations of standing dead trees, averaging 10 snags or greater per acre, and averaging greater than 15 inches in diameter at breast height.

“Soil survey” means the most recent National Cooperative Soil Survey for the local area or county by the Soil Conservation Service, United States Department of Agriculture.

“Sole source aquifer” means an area designated by the U.S. Environmental Protection Agency under the Safe Drinking Water Act of 1974, Section 1424(e). The aquifer(s) must supply 50 percent or more of the drinking water for an area without a sufficient replacement available.

“Special flood hazard area (SFHA)” means the land subject to inundation by the base flood. Special flood hazard areas are designated on flood insurance rate maps with the letters “A” or “V,” including AE, AO, AH, A1-99, and VE. The special flood hazard area is also referred to as the area of special flood hazard or SFHA.

“Species of local importance” means species that are of local concern due to their population status or their sensitivity to habitat manipulation.

“Start of construction” for flood hazard purposes includes substantial improvements, and means the actual start of construction, repair, reconstruction, rehabilitation, addition, placement or other ~~improvement~~ that occurred before the permit’s expiration date. The “actual start” is either the first placement of permanent construction of a structure on a site, such as the pouring of a slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation.

Permanent construction does not include land preparation, such as clearing, grading and filling; nor does it include the excavation for a basement, footing, piers, or foundations or the erection of temporary forms; nor does it include the installation on property of accessory structures not occupied as dwelling units or not part of the main structure. For a substantial improvement, the “actual start of construction” means the first alteration of any wall, ceiling, floor or other

structural part of a building, whether or not that alteration affects the external dimensions of the building.

“Stockpiling” means the placement of material with the intent to remove it at a later time.

“Subdivision” or “formal subdivision” means the division or redivision of land into five or more lots, tracts, parcels, sites, or division for the purpose of sale, lease, or transfer of ownership.

“Substantial damage” for flood hazard purposes means damage of any origin sustained by a structure whereby the cost of restoring the structure to its before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.

Substantial damage also means flood-related damage sustained by a structure on two separate occasions during a 10-year period for which the cost of repairs at the time of each such flood event, on the average, equals or exceeds 25 percent of the market value of the structure before the damage occurred.

“Substrate” means the soil, sediment, decomposing organic matter or combination of those located on the bottom surface of a wetland.

“Temporary erosion control” means on-site and off-site control measures that are needed to control conveyance or deposition of earth, turbidity or pollutants during development, construction, or restoration.

“Toe of slope” means a distinct topographic break in slope at the lowermost limit of the landslide or erosion hazard area.

“TPCHD” means the Tacoma-Pierce County Health Department.

“Unconfined aquifer” means an aquifer not bounded above by a bed of distinctly lower permeability than that of the aquifer itself and containing ground water under pressure approximately equal to that of the atmosphere. This term is synonymous with the term “water table aquifer.”

“Underground tank” means any one or a combination of tanks (including underground pipes connected thereto) which are used to contain or dispense an accumulation of hazardous substances or hazardous wastes, and the volume of which (including the volume of underground pipes connected thereto) is 10 percent or more beneath the surface of the ground.

“Urban governmental services” include those governmental services historically and typically delivered by cities, and includes storm and sanitary sewer systems, domestic water systems, street cleaning services, and other public utilities associated with urban areas and normally not associated with nonurban areas.

“Urban growth” refers to growth that makes intensive use of the land for the location of buildings, structures, and impermeable surfaces to such a degree as to be incompatible with the primary use of such land for the production of food, other agricultural products, or fiber, or the extraction of mineral resources. When allowed to spread over wide areas, urban growth typically requires urban governmental services. “Characterized by urban growth” refers to land having urban growth located on it, or to land located in relationship to an area with urban growth on it as to be appropriate for urban growth.

“Utility line” means pipe, conduit, cable or other similar facility by which services are conveyed to the public or individual recipients. Such services shall include, but are not limited to, water supply, electric power, gas, communications and sanitary sewers.

“Vadose zone” is the distance between the land surface and the uppermost aquifer. This distance is also defined as the “depth to water” zone or unsaturated zone.

“View corridor” means an area which affords views of lakes, mountains, or other scenic amenities normally enjoyed by residential property owners.

“Water table” means that surface in an unconfined aquifer at which the pressure is atmospheric. It is defined by the levels at which water stands in wells that penetrate the aquifer just far enough to hold standing water.

“Water typing” means a system for classifying water bodies according to their size and fish habitat characteristics. The Washington Department of Natural Resources Forest Practices Water Typing classification system defines four water types:

1. Type “S” = Shoreline: streams that are designated “shorelines of the state,” including marine shorelines.
2. Type “F” = Fish: streams that are known to be used by fish or meet the physical criteria to be potentially used by fish.
3. Type “Np” = Nonfish Perennial streams.
4. Type “Ns” = Nonfish Seasonal streams.

[“Waters of the State” means lakes, rivers, ponds, streams, inland waters, underground waters, salt waters and all other surface waters and watercourses within the jurisdiction of the state of Washington.](#)

“Well” means a bored, drilled or driven shaft, or a dug hole whose depth is greater than the largest surface dimension.

“Wellhead protection area” means the surface and subsurface area surrounding a well or well field that supplies a public water system through which contaminants are likely to pass and eventually reach the water well(s) as

designated under the Federal Clean Water Act.

“Wetland” or “wetlands” means areas that are inundated or saturated by surface water or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas. Wetlands generally do not include those artificial wetlands intentionally created from nonwetland sites, including, but not limited to, irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities. However, wetlands may include those artificial wetlands intentionally created from nonwetland areas created to mitigate conversion of wetlands, if permitted by the City.

“Wetland specialist” means a person with experience and training in wetlands issues, and with experience in performing delineations, analyzing wetland functions and values, analyzing wetland impacts, and recommending wetland mitigation and restoration. Qualifications include:

1. Bachelor of Science or Bachelor of Arts or equivalent degree in biology, botany, environmental studies, fisheries, soil science, wildlife, agriculture or related field, and two years of related work experience, including a minimum of one year of experience delineating wetlands using the Unified Federal Manual and preparing wetland reports and mitigation plans. Additional education may substitute for one year of related work experience; or
2. Four years of related work experience and training, with a minimum of two years’ experience delineating wetlands using the Unified Federal Manual and preparing wetland reports and mitigation plans.

The person should be familiar with the Federal Manual for Identifying and Delineating Jurisdictional Wetlands, the City Site Development Regulations, the City wetland management policies, and the requirements of this title.

“Wildlife biologist” means a professional with a degree in wildlife, or certification by the Wildlife Society, or with five years’ professional experience as a wildlife biologist. [Ord. 775 §1 (Exh. A), 2022; Ord. 758 § 2 (Exh. A), 2021; Ord. 726 § 2(Exh. A), 2019; Ord. 630 § 11, 2015; Ord. 362 § 3, 2004.]

**Adopt a new LMC Title 16, incorporating the Lakewood Shoreline Master Program (LMA Chapter 16.10) and Shoreline Restoration Plan (LMC Chapter 16.20)**

See **Exhibit A** and **Exhibit B**.



# EXHIBIT A

## LMC Title 16 Shoreline Protection Chapter 16.10 Shoreline Master Program

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**16.10.010**

**Chapter 1 Introduction**

**A.** History and Requirements of the Shoreline Management Act  
 Washington’s Shoreline Management Act (SMA or the Act) was adopted in 1971 by referendum to prevent the inherent harm in an uncoordinated and piecemeal development of the state’s shorelines. RCW 90.58.020 outlines the Act’s three broad policies:

1. **Encourage water-dependent uses**, preferably those “consistent with control of pollution and prevention of damage to the natural environment, or unique to or dependent upon use of the state’s shorelines”;
2. **Protect shoreline natural resources**, including “the land and its vegetation and wildlife, and the waters of the state and their aquatic life”; and
3. **Promote public access**: “the public’s opportunity to enjoy the physical and aesthetic qualities of natural shorelines of the state shall be preserved to the greatest extent feasible consistent with the overall best interest of the state and the people generally.”

This Act recognizes that shorelines are among the most valuable and fragile of the state's resources. The Act and the City of Lakewood recognize and protect private property rights along the shoreline, while aiming to preserve the quality of this unique resource for all state residents.

The primary purpose of the Act is to provide for the management and protection of the state's shoreline resources by planning for reasonable and appropriate uses. In order to

protect the public interest in preserving these shorelines, the Act establishes a coordinated planning program between the state and local jurisdictions to address the types and effects of development occurring along the state's shorelines. By law, the City is responsible for the following:

1. Developing an inventory of the natural characteristics and land use patterns along shorelines covered by the act;
2. Preparing a Shoreline Master Program (SMP) to determine the future of the shorelines;
3. Preparing a cumulative impact analysis to demonstrate that reasonably foreseeable development under the SMP will not result in a net loss of ecological function;
4. Developing a permit system to further the goals and policies of both the Act and the SMP; and
5. Developing a Restoration Plan that includes goals, policies, and actions to restore impaired shoreline ecological functions.

#### **B.** Shoreline Master Program Development and Public Participation

The City obtained a grant from the Washington Department of Ecology (Ecology) in 2009 to conduct a comprehensive SMP update. The first step of the update process was to inventory the City's shorelines as defined by the Act, Chapter 90.58 RCW. American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek comprise the City's SMA shorelines. The inventory describes existing biological and physical conditions. These conditions were then analyzed and characterized to create a baseline from which future development actions in the shoreline will be measured.

The City identified environmental designations for the different shorelines, and policies and regulations for each were developed.

Ecology's SMP Guidelines (See Chapter 173-26-186(8) WAC) require the City to demonstrate that its updated SMP yields "no net loss" in shoreline ecological functions relative to the baseline due to its implementation. Ideally, the SMP, in combination with other City and regional efforts, will ultimately produce a net improvement in shoreline ecological functions.

#### **C.** Purposes of the Shoreline Master Program

The purposes of this SMP are:

1. To carry out the responsibilities imposed on the City by the SMA;
2. To comply with the SMP Guidelines (See WAC 173-26-186), focusing on regulations and mitigation standards to ensure that development under the SMP will not result in a net loss of ecological functions;
3. To further both the policies of Chapter 90.58 RCW and the policies of this SMP; and
4. To promote public health, safety, and general welfare by providing a guide and regulation for the future development of the shoreline resources of the City.

#### **D.** Shoreline Master Program Basics

The City's SMP is both a planning and regulatory document that outlines policies and development regulations for the City's shorelines.

In order to preserve and enhance the City's shorelines, it is important to consult the City Shoreline Administrator and evaluate all shoreline development proposals in terms of the City's SMP. Some developments may be exempt from obtaining a permit; however, all

proposals must comply with the policies and regulations established by the SMA as expressed through this local SMP.

While the SMA defines the content and goals that local jurisdictions should include in the SMP, each community must develop specific regulations to address their individual needs. Under the SMP Guidelines, all shorelines governed by the SMA receive a shoreline environment designation. The purpose of the shoreline environment designation system is to ensure that all land use, development, or other activity occurring within the designated shoreline jurisdiction is appropriate for that area and provides consideration for the special requirements of that environment.

The City has designated its shorelines on American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek under six shoreline environment designations: Aquatic, Natural, Conservancy, Urban Park, Urban - Stream Protection and Shoreline Residential. These shoreline environment designations are described in Chapter 2, Shoreline Environments.

American Lake has shorelines of statewide significance per RCW 90.58. Local government, in developing master programs for shorelines of statewide significance, shall give preference to uses in the following order of preference which:

- (1) Recognize and protect the statewide interest over local interest;
- (2) Preserve the natural character of the shoreline;
- (3) Result in long term over short term benefit;
- (4) Protect the resources and ecology of the shoreline;
- (5) Increase public access to publicly owned areas of the shorelines;
- (6) Increase recreational opportunities for the public in the shoreline;
- (7) Provide for any other element as defined in RCW [90.58.100](#) deemed appropriate or necessary.

Persons proposing any shoreline development, land use, or other projects in the shoreline area must consult with the City's Shoreline Administrator (the City's Community Development Director or designee) to determine how the proposal is addressed in the SMP. Except when specifically exempted by statute, all proposed uses and development occurring within shoreline jurisdiction must conform to Chapter 90.58 RCW, the Shoreline Management Act, and this Master Program.

The Shoreline Administrator will determine if a proposal is exempt from having to obtain a substantial development permit (i.e. qualifies for a Shoreline Exemption), as well as provide information on the permit application process.

Requests for variances, conditional use permits (CUPs), and/or substantial development permits require review and approval by the Shoreline Administrator and/or recommendation by the Shoreline Administrator to the Hearing Examiner, in accordance with Chapter 6 of this SMP. Requests for CUPs and variances also require final approval by Ecology. A description of exempt projects, shoreline application procedures, and criteria are discussed in Chapter 6, Administration.

A description of the area within the jurisdiction of this SMP is presented in Chapter 2: Shoreline Environments. Figure 1 depicts the general extent of shoreline jurisdiction in the City.

## E. Organization of this Shoreline Master Program

This SMP is divided into seven chapters:

**Chapter 1: Introduction** provides general background information on the SMA; the development of the SMP in the City; and a general discussion of when and how a SMP is used.

**Chapter 2: Shoreline Environments** defines and maps the approximate extent of City's shoreline jurisdiction and defines and maps the environment designations of the City's shorelines. Policies and regulations specific to the six (6) shoreline environment designations are detailed in this chapter.

**Chapter 3: General Policies and Regulations** establishes the general policies and regulations that apply to uses, developments, and activities in *all* shoreline areas of the City, regardless of environment designation.

**Chapter 4: Specific Shoreline Use Policies and Regulations** sets forth policies and regulations governing specific categories of uses and activities typically found in shoreline areas. Specific setback regulations, reduction incentives, and dimensional and density standards are detailed in this chapter. The policies and regulations cover the following uses and activities: Aquaculture; Boating Facilities; Commercial Development; Parking (as a primary use); Recreational Facilities; Residential Development; Signs; Trails; Transportation Facilities; Utilities (Primary and Accessory); and other uses and activities.

**Chapter 5: Shoreline Modification Activity Regulations** provides policies and regulations for those activities that modify the physical configuration or qualities of the shoreline area.

**Chapter 6: Administration** provides the system by which the City's SMP will be administered, and provides specific information on the application process and criteria used in evaluating requests for shoreline substantial development permits, CUPs, and variances.

**Chapter 7: Definitions** defines terms found in this document.

## F. Relationship between this Shoreline Master Program and Other Plans

The permitting process for a shoreline development or use does not exempt an applicant from complying with any other applicable local, state, regional, or federal laws or regulations. In the City, this includes, but is not limited to, the Land Use and Development Code (Lakewood Municipal Code (LMC) Title 18A), the Performance Code for Building and Facilities (LMC Title 15A), the City of Lakewood Comprehensive Plan, and the adopted surface water design manuals.

## G. Title

This document shall be known and may be cited as the City of Lakewood Shoreline Master Program. This document may refer to itself as 'The Master Program' or "SMP."

### 16.10.20

#### Chapter 2 Shoreline Environments

##### A. Introduction to Shoreline Environment Designations

The SMA and the SMP Guidelines provide for shoreline environment designations to serve as a tool for applying and tailoring the general policies of the SMA to local shorelines. Shoreline



environment designations are intended to preserve and enhance shoreline ecological functions and to encourage development that will enhance the present or desired future character of the shoreline. To accomplish this, shoreline segments are given an environment designation based on existing development patterns, biological capabilities, and limitations, the aspirations of the local citizenry and the criteria in the SMP Guidelines.

Environment designations are categories that reflect the type of development that has or that should take place in a given area. The SMP Guidelines recommend classifying shoreline environments using the categories described in WAC 173-26-211(5). Additionally, local governments may establish an alternative shoreline environment designation, provided there is consistency with the purposes and policies of the SMA and the SMP Guidelines, including WAC 173-26-211(5).

Once a shoreline segment has been given an environment designation, management policies are developed. These management policies are used as the basis for determining uses and activities that can be permitted in each environment designation. Specific development standards are also established, which specify how and where permitted development can take place within each shoreline environment designation.

## **B.** Need for Consistency

Local governments are tasked with evaluating consistency between the SMP, the Comprehensive Plan, and land use regulations under WAC 173-26-211(3). The SMA requires that policies for lands adjacent to the shorelines be consistent with the Act, implementing rules and the local SMP. Conversely, local comprehensive plans provide the underlying framework within which SMP provisions should fit. The Growth Management Act (GMA) requires that SMP policies be incorporated as an element of the comprehensive plan, and that all elements be internally consistent. In addition, under the GMA, all development regulations must be consistent with the comprehensive plan.

The SMP Guidelines identify three criteria to assist local governments in evaluating the consistency between SMP environment designation provisions and the corresponding comprehensive plan elements and development regulations, including:

1. **Provisions not precluding one another.** Comprehensive plan provisions and shoreline environment designation provisions should not preclude one another. To meet this criterion, the provisions of both the comprehensive plan and the SMP must be able to be met. Further, when considered together and applied to any one piece of property, the SMP use policies and regulations and the local zoning or other use regulations should not conflict in a manner that all viable uses of the property are precluded.
2. **Use compatibility.** Land use policies and regulations should protect preferred shoreline uses from being impacted by incompatible uses. The intent is to prevent existing or potential future water oriented uses, especially water dependent uses, from being restricted on shoreline areas because of impacts to nearby non-water-oriented uses. To be consistent, SMPs, comprehensive plans, and development regulations should prevent new uses that are not compatible with preferred uses from locating where they may restrict preferred uses or development.
3. **Sufficient infrastructure.** Infrastructure and services provided in the comprehensive plan should be sufficient to support allowed shoreline uses. Shoreline uses should not be allowed where the comprehensive plan does not provide sufficient roads, utilities, and other services to support them. Infrastructure plans must also be mutually

consistent with shoreline environment designations. Where they do exist, utility services routed through shoreline areas shall not be a sole justification for more intense development.

### C. City of Lakewood Shoreline Jurisdiction

As defined by the SMA, lands subject to shoreline jurisdiction include “waters of the state” plus their associated “shorelands.” At a minimum, waters of the state are streams whose mean annual flow is 20 cubic feet per second (c.f.s.) or greater, and lakes whose area is greater than 20 acres. In RCW 90.58.030, Shorelands are defined as:

“Those lands extending landward for 200 feet in all directions as measured on a horizontal plane from the ordinary high water mark (OHWM); floodways and contiguous floodplain areas landward 200 feet from such floodways; and all wetlands and river deltas associated with the streams, lakes, and tidal waters which are subject to the provisions of this chapter.”

Within the City, shoreline jurisdiction includes American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, and Waughop Lake and their shorelands, as well as Chambers Creek and Clover Creek and their shorelands. Figure 1 depicts the general location of shoreline jurisdiction in the City and is illustrative in nature. The actual definition of shoreline jurisdiction as detailed in the SMA will determine the actual extent of shoreline jurisdiction on a project-by-project or parcel-by-parcel level. In the event of a mapping error, the City will rely upon common boundary descriptions and the criteria in RCW 90.58.030(2) and Chapter 173-22 WAC to determine shorelands and the extent of each environment designation.

### D. City of Lakewood Shoreline Environment Designations

This SMP establishes six shoreline environment designations for the City of Lakewood’s shoreline jurisdiction. These environments are derived from the City’s Shoreline Analysis Report, the City of Lakewood Comprehensive Plan, and the environments recommended by the SMA and the SMP Guidelines. The City’s Shoreline Analysis Report provides an inventory of natural and built conditions within the City’s shoreline jurisdiction. The conditions identified in the inventory have been compared with the recommended shoreline environments and the most appropriate environments selected. The six (6) City shoreline environment designations in order of most intensive to least intensive are:

1. Shoreline Residential;
2. Urban - Stream Protection;
3. Urban Park;
4. Conservancy;
5. Natural; and
6. Aquatic.

These shoreline environment designations for the City are illustrated in Figure 1 (Shoreline Management Environment Designations), located at the end of this chapter, and described in the text below. Each shoreline description includes a definition and statement of purpose, followed by designation criteria, management policies, and references to development standards that are specific to that shoreline environment. Shoreline development standards in each shoreline environment are summarized in Table II in Chapter 4. Development standards pertaining to all shoreline areas are covered in Chapter 3 and development standards for particular uses are detailed in Chapter 4.

When interpreting the exact location of an environment designation boundary line, the

location shown on the Official Shorelines Map shall prevail, consistent with the following rules:

1. Boundaries indicated as approximately following parcel, trac or section lines shall be so construed.
2. In cases of boundary line adjustments or subdivisions, the designation of the parent parcel shall not change as a result, except if pursuant to an amendment of this Shoreline Master Program (SMP).
3. Boundaries indicated as approximately following roads shall be construed to follow the nearest right-of-way edge.
4. Boundaries indicated as approximately parallel to or extensions of features indicated in this SMP shall be so construed.

Please see Figure 1 below at page 18 for the Shoreline Environment Designations Map.

## **E.** Shoreline Areas Not Mapped or Designated

Any undesignated or unmapped shorelines in the City and its Urban Growth Area are assigned automatically a Conservancy shoreline environment designation until the shoreline is re-designated through an amendment to the SMP. This includes any areas that are annexed into the City and fall within the City's shoreline jurisdiction, such as Camp Murray.

## **F.** Management Policies and Regulations

### **1.** Shoreline Residential Environment

#### **a)** Purpose

The Shoreline Residential environment designation is designed to provide for residential uses and structures where the necessary facilities for development can be provided. An additional purpose is to provide appropriate public access and recreational uses.

#### **b)** Designation Criteria

The Shoreline Residential environment designation is assigned to shoreline areas that are associated with lakes and are predominantly single-family or multi-family residential development or are platted, zoned, and planned for residential development.

#### **c)** Designated Areas

##### 1) Description

Shoreline Residential environment areas include those shorelands adjacent to American Lake, Gravelly Lake, Lake Louise, and Lake Steilacoom that are primarily developed and/or platted and zoned for residential uses, and where that use is anticipated to continue in the future.

##### 2) Rationale

The segments of shoreline designated as Shoreline Residential are predominately-residential land uses and all areas are platted and planned for low to moderate residential density. Urban services and infrastructure are provided to these properties.

#### **d)** Management Policies

- 1) Residential activities and developments that protect and enhance the shoreline are

preferred.

- 2) Limited non-residential uses, such as water-oriented recreation facilities, parks, day care facilities, and home occupation businesses should be allowed, provided they are consistent with the residential character and the requirements of the underlying zone.
- 3) Development should be located, sited, designed, and maintained to protect, enhance, and be compatible with the shoreline environment designation.
- 4) Development regulations should require the preservation of ecological functions, taking into account the environmental limitations and sensitivity of the shoreline area, the level of infrastructure and services available, and other comprehensive planning considerations.
- 5) Multi-family development, subdivisions of more than four lots and recreational developments should provide public access to the shoreline and joint use facilities for community recreational needs.
- 6) Low impact development (LID) best management practices (BMPs), such as minimizing effective impervious surfaces, infiltrating run-off, using green roofs and pervious pavers and other BMPs, should be implemented where feasible.
- 7) Private property owners should be encouraged to preserve and enhance native shoreline vegetation and use environmentally friendly landscaping practices, through incentives, information, and other assistance.

#### e) Regulations

- 1) Shoreline Use: Permitted, conditional, and prohibited uses for the Shoreline Residential environment are listed in Chapter 4, Specific Shoreline Use Policies and Regulations, and summarized in Table I of that Chapter.
- 2) Development Standards: Shoreline related development standards for the Shoreline Residential environment are summarized in Table II of Chapter 4.

## 2. Urban - Stream Protection Environment

### a) Purpose

The purpose of the Urban - Stream Protection environment designation is to ensure appropriate protections for the ecological functions of Clover Creek, while recognizing the limited demand for water dependent uses in this environment. This designation reflects the current developed urban nature of most upland areas and provides for a range of uses consistent with underlying zoning, while closely regulating the intensity of development allowed within stream and wetland buffers.

### b) Designation Criteria

The Urban - Stream Protection environment designation is assigned to shorelands along Clover Creek with the following characteristics:

- 1) Riparian functions impacted by historic development as documented in the Shoreline Analysis and Characterization Report;
- 2) Key management objectives include stream function enhancement, flood hazard

mitigation, and fostering economically productive uses; and

- 3) A mix of urban land uses exist in upland areas, including single-family, higher density multi-family and commercial uses, depending on the underlying zoning.

#### c) Designated Areas

##### 1) Description

The Urban - Stream Protection environment designation is assigned to areas that include Clover Creek between Lake Steilacoom and the City of Lakewood city limits, except for the shorelands in Springbrook Park adjacent to Clover Creek.

##### 2) Rationale

The Urban - Stream Protection environment designation will protect and enhance stream functions by encouraging vegetative buffer enhancement and limiting development near the stream, while accommodating and allowing flexibility for existing and future uses, including single-family residential and higher intensity commercial and multi-family uses, where allowed by underlying zoning.

#### d) Management Policies

- 1) Stream functions should be protected, preserved and, where possible, enhanced per the Critical Areas provisions, while also encouraging redevelopment and allowing sufficient flexibility for accommodating existing and future upland shoreline uses.
- 2) Development or significant vegetation removal that would reduce the capability of vegetation to perform normal ecological functions should not be allowed.
- 3) Modification of the stream channel should not be allowed, except where there will be a clear improvement or restoration of stream functions.
- 4) Reflecting current land uses, a wide range of shoreline uses should be allowed outside of required setbacks and, critical areas, and buffers, including single- and multi-family residential, parks and open space, and commercial uses on existing commercial sites or where a public benefit consistent with the SMA's objectives can be provided, such as public access, mixed-use or ecological enhancement.
- 5) All uses should be consistent with the requirements of the underlying zoning. No new industrial uses should be allowed.
- 6) LID should be implemented where feasible for any development occurring within the Urban - Stream Protection environment.

#### e) Regulations

- 1) Shoreline Use: Permitted, conditional, and prohibited uses for the Urban - Stream Protection environment are listed in Chapter 4, Specific Shoreline Use Policies and Regulations, and are summarized in Table I of that Chapter.
- 2) Development Standards: Shoreline related development standards for the Urban - Stream Protection environment are summarized in Table II of Chapter 4.

### 3. Urban Park Environment

#### a) Purpose

The purpose of the Urban Park environment designation is to protect and restore ecological functions of open space in urban and developed settings, while allowing a variety of compatible uses, with an emphasis on water oriented recreation.

#### b) Designation Criteria

The Urban Park environment is assigned to areas with one or more of the following characteristics:

- 1) They are generally suitable for water-oriented recreational uses;
- 2) They have potential for ecological restoration;
- 3) They retain important ecological functions, even though partially developed; or
- 4) They have the potential for development that is compatible with ecological restoration.

#### c) Designated Areas

##### 1) Description

Urban Park environment areas include:

- a. Shorelands in all public parks and public street ends located on lakes within the shoreline jurisdiction;
- b. Eagle Point (a private subdivision open space tract on American Lake, Parcel # 4001800540); and
- c. Lakewold Gardens (a private facility with public access on Gravelly Lake).
- d. Shorelands adjacent to Waughop Lake; and
- e. Shorelands in Springbrook Park adjacent to Clover Creek.

##### 2) Rationale

This designation will preserve and enhance the ecological functions of the publicly owned properties and private recreational areas of the shoreline while retaining future options for active and passive water oriented shoreline recreation and public access. The publicly owned parks offer potential for ecological restoration.

#### d) Management Policies

- 1) Uses that preserve the natural character of the area or promote preservation of open space, either directly or over the long term, should be the primary allowed uses. Uses that result in restoration of ecological functions should be allowed if the use is otherwise compatible with the purpose of the environment and the current uses and conditions at the specific location.
- 2) Water dependent recreational uses, such as public access piers, recreational floats and boat launches, should be given priority over non-water dependent recreational uses, provided they can be located, designed, constructed, operated, and mitigated in



a manner that ensures no net loss of ecological function.

- 3) Public access and public recreation objectives should be implemented whenever feasible and whenever significant ecological impacts can be mitigated.
- 4) Water oriented recreation uses, such as viewing trails, benches and shelters, should be emphasized and non-water oriented uses should be minimized and allowed only as an accessory use; for example picnic areas, forest trails and small playground areas would be acceptable, but tennis courts and developed sports fields would not.
- 5) Standards should be established for shoreline stabilization, vegetation conservation, water quality and shoreline modifications to ensure that new development does not result in a net loss of shoreline ecological functions or further degrade other shoreline values.
- 6) LID should be implemented where feasible for any development occurring within the Urban Park environment.

#### e) Regulations

- 1) Shoreline Use: Permitted, conditional, and prohibited uses for the Urban Park environment are listed in Chapter 4, Specific Shoreline Use Policies and Regulations, and summarized in Table I of that Chapter.
- 2) Development Standards: Shoreline related development standards for the Urban Park environment are summarized in Table II of Chapter 4.

### 4. Conservancy Environment

#### a) Purpose

The purpose of the Conservancy environment designation is to protect and restore ecological functions of open space, floodplain, and other sensitive lands, while allowing a variety of compatible uses, with an emphasis on passive recreation, such as trails and wildlife viewing.

#### b) Designation Criteria

The Conservancy environment is assigned to shorelines with one or more of the following characteristics:

- 1) They are generally unsuitable for intensive water-dependent recreational uses;
- 2) They are open space, flood plain or other sensitive areas that should not be more intensively developed;
- 3) They have potential for ecological restoration;
- 4) They retain important ecological functions, even though partially developed; or
- 5) They have limited potential for development that is compatible with ecological restoration.

#### c) Designated Areas

- 1) Description

Conservancy environment areas include:

- a. Shorelands of Chambers Creek between Lake Steilacoom and the confluence of Leach Creek; and
- b. Those portions of the Oakbrook 4<sup>th</sup> Addition subdivision that fall within the shoreline jurisdiction.

2) Rationale

This designation will preserve and enhance the ecological functions of undeveloped and minimally developed portions of the shoreline and sensitive lands while retaining future options for passive shoreline recreation and public access. These areas also offer potential for ecological restoration.

**d) Management Policies**

- 1) Uses that preserve the natural character of the area or promote preservation of open space or sensitive lands either directly or over the long term should be the primary allowed uses. Uses that result in restoration of ecological functions should be allowed.
- 2) Water oriented recreation uses, such as viewing trails, benches and shelters, should be emphasized and non-water oriented uses should be minimized and allowed only as an accessory use; for example picnic areas, forest trails and small playground areas would be acceptable, but tennis courts and developed sports fields would not.
- 3) Intensive water dependent facilities, such as motorized boat ramps, are generally not appropriate for these areas; limited facilities for swimming, viewing, and launch of non-motorized craft should be allowed in suitable areas.
- 4) Public access and public recreation objectives should be implemented whenever feasible and whenever significant ecological impacts can be mitigated.
- 5) Standards should be established for shoreline stabilization, vegetation conservation, water quality and shoreline modifications to ensure that new development does not result in a net loss of shoreline ecological functions or further degrade other shoreline values.
- 6) LID should be implemented where feasible for any development occurring within the Conservancy environment.

**e) Regulations**

- 1) Shoreline Use: Permitted, conditional, and prohibited uses for the Conservancy environment are listed in Chapter 4, Specific Shoreline Use Policies and Regulations, and summarized in Table I of that Chapter.
- 2) Development Standards: Shoreline related development standards for the Conservancy environment are summarized in Table II of Chapter 4.

**5. Natural Environment**

**a) Purpose**

The purpose of the Natural environment designation is to protect those shoreline areas that are relatively free of human influence or that include intact or minimally degraded shoreline functions intolerant of human use. These systems require that only very low intensity uses be allowed in order to maintain the ecological functions and ecosystem-wide processes. Local agencies should include planning for restoration of degraded shorelines within this environment.

## **b) Designation Criteria**

A Natural environment designation is assigned to shoreline areas if any of the following characteristics apply:

- 1) The shoreline is ecologically intact and therefore currently performing an important, irreplaceable function or ecosystem-wide process that would be changed by human activity;
- 2) The shoreline is considered to represent ecosystems and geologic types that are of particular scientific and educational interest; or
- 3) The shoreline is unable to support new development or uses without significant adverse impacts to ecological functions or risk to human safety.

## **c) Designated Areas**

- 1) Description

The Natural environment areas include the portion of Chambers Creek that includes the south bank between the confluence of Leach Creek and where Chambers Creek crosses the western City boundary. Parcels within the Oakbrook 4<sup>th</sup> Addition subdivision are specifically excluded from the Natural environment designation.

- 2) Rationale

This portion of Chambers Creek has generally high ecological function, a largely natural shoreline and is unable to support significant new development without significant adverse impacts to ecological function.

## **d) Management Policies**

- 1) Any use that would substantially degrade the ecological functions or natural character of the shoreline area should not be allowed.
- 2) The following new uses should be prohibited in the Natural environment:
  - a. Commercial uses.
  - b. Industrial uses.
  - c. Non-water-oriented recreation, except the maintenance, repair, and limited expansion of existing facilities and uses.
  - d. Roads, utility corridors, and parking areas that can be located outside of Natural environment designated shorelines.

- e. Multi-Family Residential.
  - f. Commercial forestry.
  - g. Agricultural uses.
- 3) Scientific, historical, cultural, educational research uses, and low-intensity water-oriented recreational access uses may be allowed if no significant ecological impact in the area will result.
  - 4) Certain over-water structures, such as docks and piers, should not be allowed because of their impacts to the Natural environment and because there is not sufficient demand for these structures to support the water dependent uses on Chambers Creek.
  - 5) New development or significant vegetation removal that would reduce the capability of vegetation to perform normal ecological functions should not be allowed.
  - 6) The subdivision of property should not be allowed.
  - 7) LID should be implemented where feasible for any development occurring within the Natural environment.

#### e) Regulations

- 1) Shoreline Use: Permitted, conditional, and prohibited uses for the Natural environment are listed in Chapter 4, Specific Shoreline Use Policies and Regulations, and summarized in Table I of that Chapter.
- 2) Development Standards: Shoreline related development standards for the Natural environment are summarized in Table II of Chapter 4.

## 6. Aquatic Environment

### a) Purpose

The purpose of the Aquatic environment designation is to protect, restore, and manage the unique characteristics and resources of the areas waterward of the OHWM.

### b) Designation Criteria

The Aquatic environment designation is assigned to areas waterward of the OHWM.

### c) Designated Areas

#### 1) Description

Aquatic environment areas include all areas waterward of the OHWM as generally shown in Figure 1, including areas waterward of the OHWM within Chambers Creek and Clover Creek, as determined on a site-by-site basis.

#### 2) Rationale

Areas waterward of the OHWM within the City fall within the Aquatic environment

designation criteria as set forth in WAC 173-26-211(5)(c). This designation intends to preserve, protect, and manage the ecological functions of all water bodies that are considered waters of the state, as defined by the SMA.

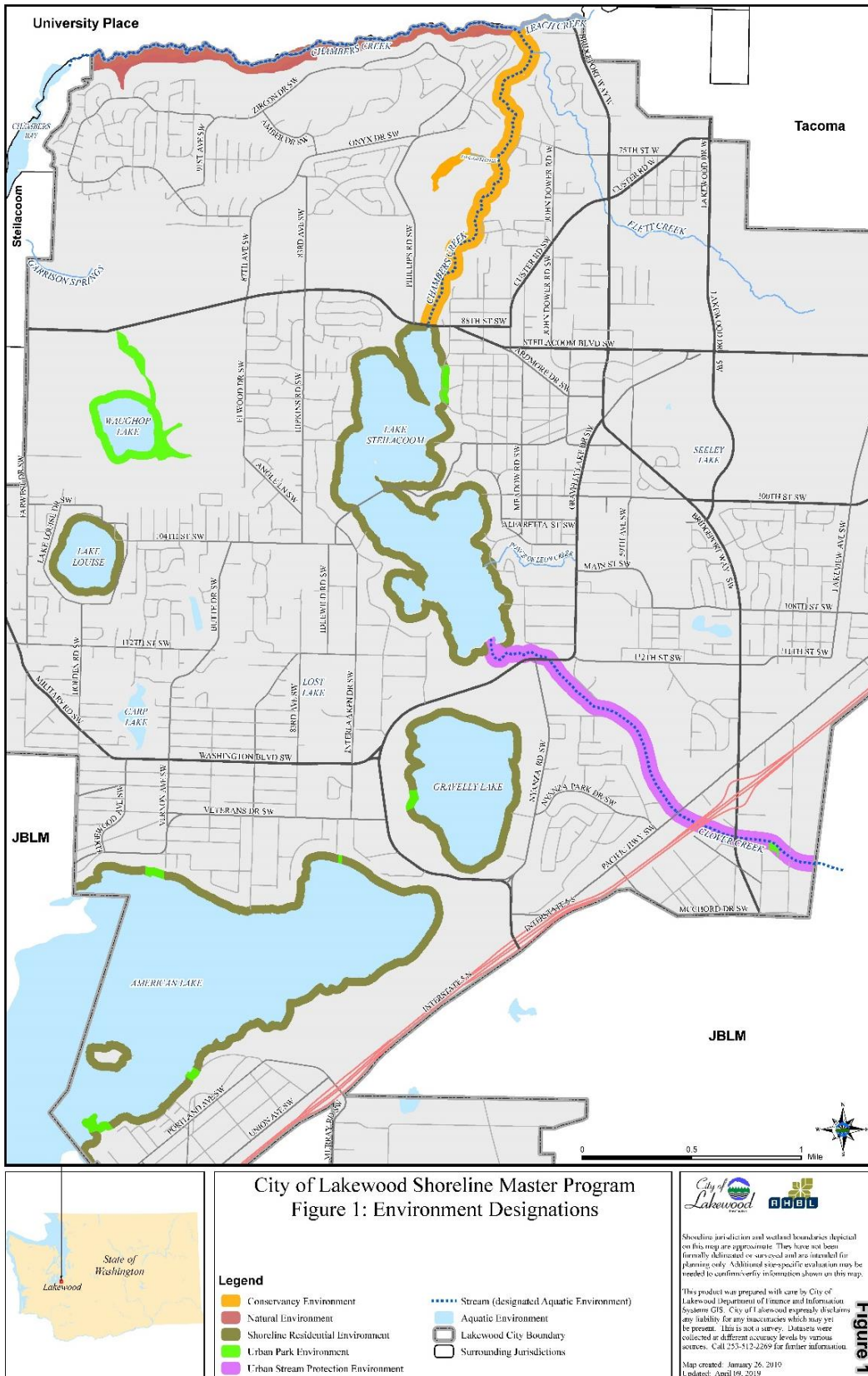
**d) Management Policies**

- 1) New over-water structures should be allowed only for water-dependent uses, public access, or ecological restoration.
- 2) The size of new over-water structures should be limited to the minimum necessary to support the structure's intended use.
- 3) In order to reduce the impacts of shoreline development and increase effective use of water resources, multiple uses of over-water facilities should be encouraged.
- 4) All developments and uses on waters or their beds should be located and designed to minimize interference with surface navigation, to consider impacts to public views, and to allow for the safe, unobstructed passage of fish and wildlife, particularly those species dependent on migration.
- 5) Uses that adversely impact the ecological functions of identified critical freshwater habitats, should not be allowed except where necessary to achieve the objectives of RCW 90.58.020, and then only when their impacts are mitigated according to the sequence described in Chapter 3, Section B(4)(c)(3) of this SMP as necessary to assure no net loss of ecological functions.
- 6) Shoreline uses and modifications should be designed and managed to prevent degradation of water quality and alteration of natural hydrological conditions.

**e) Regulations**

- 1) Shoreline Use: Permitted, conditional, and prohibited uses for the Aquatic environment are listed in Chapter 4, Specific Shoreline Use Policies and Regulations, and summarized in Table I of that Chapter.
- 2) Development Standards: Shoreline related development standards for the Aquatic environment are summarized in Table II of Chapter 4.

Figure 1.





**16.10.030**  
**Chapter 3**

**General Shoreline Provisions**

**A.** Introduction

The following policies and regulations apply to all uses, developments, and activities in the shoreline area of the City of Lakewood. General policies and regulations are broken into different topic headings. Each topic includes a description of its applicability, general policy statements, and specific regulations. The intent of these provisions is to be inclusive, making them applicable to all environments, while detailing specific requirements for particular shoreline uses and activities. Topics include the following:

1. Universally Applicable Policies and Regulations
2. Archaeological and Historic Resources
3. Critical Areas
4. Environmental Impacts and Mitigation Sequencing
5. Public Access
6. Restoration
7. Shorelines of Statewide Significance
8. Shoreline Vegetation Conservation (Clearing and Grading)
9. Water Quality, Stormwater, and Non-Point Pollution

These policies and regulations are in addition to other adopted ordinances and rules. Where conflicts exist between regulations, the requirement that most supports the provisions of RCW 90.58.020 shall apply. These interlocking development regulations are intended to make shoreline development responsive to specific design needs and opportunities along the City's shorelines, protect the public's interest in the shorelines' recreational and aesthetic values, and assure, at a minimum, no net loss of ecological functions necessary to sustain shoreline natural resources.

These provisions address the elements of a SMP as required by RCW 90.58.100(2) and implement the SMP Guidelines as established in WAC 173-26-186.

**B.** Policies and Regulations

**1.** Universally Applicable Policies and Regulations

**a)** Applicability

The following provisions describe how this SMP is to be applied and the requirements for all shoreline uses and modifications in all shoreline environment designations.

**b)** Policies

- 1) The City should keep records of all project review actions within shoreline jurisdiction, including shoreline permits and letters of exemption.
- 2) The City should involve affected federal, state and tribal governments in the shoreline application review process.
- 3) The City should periodically review shoreline conditions to determine whether other actions are necessary to ensure no net loss of ecological functions, protect and enhance visual quality, and enhance residential and recreational uses on the City's shorelines. Such review should include, but is not limited to:

- a. Water quality;
- b. Conservation of aquatic vegetation (noxious weed control and vegetation enhancement that supports more desirable ecological and recreational conditions);
- c. Changing visual character as result of new residential development, including additions, and individual vegetation conservation practices (both along shoreline and in upland areas); and
- d. Shoreline stabilization and modifications.

### c) Regulations

- 1) All proposed shoreline uses and development, including those that do not require a shoreline permit, must conform to the SMA and to the policies and regulations of this SMP.
- 2) The policies listed in this SMP are intended to provide broad guidance and direction for the “regulations” applied by the City. These policies constitute the Shoreline Element of the City’s Comprehensive Plan.
- 3) If provisions within this SMP conflict, or where there is a conflict with other City policies and regulations, the provisions most directly implementing the objectives of the SMA, as determined by the Shoreline Administrator, shall apply unless specifically stated otherwise.
- 4) Shoreline uses, modifications and conditions listed as “prohibited” shall not be eligible for consideration as a variance or CUP. See Chapter 4 for Shoreline Use regulations and Chapter 6 (Administration) for exemptions, variances, conditional uses, and nonconforming use provisions.

## 2. Archaeological and Historic Resources

### a) Applicability

The following provisions apply to archaeological and historic resources that either are recorded at the state historic preservation office and/or by local jurisdictions or have been inadvertently uncovered. Archaeological sites located both in and outside shoreline jurisdiction are subject to Chapter 27.44 RCW (Indian Graves and Records) and Chapter 27.53 RCW (Archaeological Sites and Records). Development or uses that may affect such sites shall comply with Chapter 25-48 WAC, as well as the provisions of this chapter.

### b) Policies

- 1) Due to the limited and irreplaceable nature of archaeological and historic resources, destruction of or damage to any site having historic, cultural, scientific, or educational value as identified by the appropriate authorities, including affected Native American tribes, and Washington State Department of Archaeology and Historic Preservation should be prevented.
- 2) New development should be compatible with existing historic structures and cultural areas.

### c) Regulations

- 1) Developers and property owners shall immediately stop work and notify the City, the Department of Archaeology and Historic Preservation and affected Native American

tribes if archaeological resources are uncovered during excavation.

- 2) A site inspection or evaluation by a professional archaeologist in coordination with affected Native American tribes shall be required for all permits issued in areas documented to contain archaeological resources. Failure to comply with this requirement shall be considered a violation of the shoreline permit.
- 3) Significant archaeological and historic resources shall be permanently preserved for scientific study, education, and public observation. When the Shoreline Administrator determines that a site has significant archeological, natural scientific or historical value, a substantial development permit and/or any other permit authorizing development or land modification shall not be issued which would pose a threat to the site. The Shoreline Administrator may require that a site be redesigned or that development be postponed in such areas to allow investigation of public acquisition potential and/or retrieval and preservation of significant artifacts.
- 4) In the event that unforeseen factors constituting an emergency as defined in WAC 173-27-040(2)(d) necessitate rapid action to retrieve, preserve, or protect property containing artifacts or data identified above from damage by the elements, the project may be exempted from the permit requirement. The City shall notify Ecology, the State Attorney General's Office, and the State Historic Preservation Office of such a waiver in a timely manner.
- 5) Archaeological sites located both in and outside the shoreline jurisdiction are subject to Chapter 27-44 RCW (Indian Graves and Records) and Chapter 27-53 RCW (Archaeological Sites and Records) and shall comply with Chapter 25-48 WAC or its successor as well as the provisions of this SMP.
- 6) Identified historical or archaeological resources shall be considered in park, open space, public access, and site planning with access to such areas designed and managed to give maximum protection to the resource and surrounding environment.
- 7) Interpretive signs, plaques or other means to provide information about historical and archaeological features shall be provided, except when the location of resources are protected by state or federal law or disclosure of such information would potentially endanger the resources in question.

### 3. Critical Areas

Critical areas in shoreline jurisdiction are regulated by this SMP. As such, the Critical Areas and Natural Resource Lands Regulations, Ordinance No. 630 § 10, December 7, 2015, and Ordinance No. 362 3(part), November 15, 2004, codified under Chapter 14 of the LMC, is herein incorporated by reference into this SMP (see Appendix A) with the exceptions and modifications noted below.

#### a) Applicability

Exceptions to the applicability of the Critical Areas and Natural Resource Lands Regulations in shoreline jurisdiction are provided below.

- 1) If provisions of the Critical Areas and Natural Resource Lands Regulations and other parts of the SMP conflict, the requirement that most supports the provisions of the SMA as stated in RCW 90.58.020 shall apply, as determined by the Shoreline Administrator.

- 2) The setbacks and buffer provisions for SMA water bodies contained in Chapter 4, Section C shall apply.
- 3) Provisions of the Critical Areas and Natural Resource Lands Regulations that are inconsistent with the SMA and SMP Guidelines shall not apply or are specifically modified in shoreline jurisdiction, as follows:
  - a. The provisions do not extend shoreline jurisdiction beyond the limits specified in Chapter 2, Section C of this SMP.
  - b. Provisions relating to exemptions in LMC Section 14.142.070 and allowable activities such as those outlined in LMC Sections 14.154.090 and 14.162.090 do not relieve the applicant from obtaining a substantial development permit or other permit or approval required under this SMP, or meeting the specific requirements identified in other sections of the SMP, including, but not limited to, mitigation sequencing and the no net loss requirement.
  - c. Provisions that include a “reasonable use determination” shall not apply within shoreline jurisdiction. Specifically, LMC Sections 14.142.080 and 14.142.090 do not apply. Such uses and developments require a variance in accordance with Chapter 6 of this SMP.
  - d. Provisions relating to variance procedures and criteria do not apply in the shoreline jurisdiction. Specifically, LMC Section 14.142.110, which references variance procedures in the LMC, does not apply. Variance procedures and criteria within shoreline jurisdiction have been established in this SMP, Chapter 6 Section D and in WAC 173-27-170.
  - e. Provisions relating to nonconforming uses in LMC Section 14.142.180 shall not apply. Please see Chapter 6, Section F for nonconforming development standards within shoreline jurisdiction.
  - f. Geologically Hazardous Areas. Provisions contained in LMC Section 14.146.000 are hereby clarified and amended.
    - i. New development and the creation of new lots through subdivision shall not be allowed when it would cause foreseeable risk from geological conditions to people or improvements during the life of the development.
    - ii. New development that would require structural shoreline stabilization over the anticipated life of the development shall not be allowed, unless stabilization is necessary to protect allowed uses where no alternative locations are available and no net loss of ecological functions will result.
    - iii. All shoreline stabilization shall comply with Chapter 5, Section C(1 and 2).
  - g. Waughop Lake shall be subject to the setback requirements outlined in the SMP and not to the 35’ buffer requirement in the LMC Section 14.154.060(B).
  - h. Identification of wetlands and delineation of their boundaries shall be done in accordance with the most recent version of the approved federal wetland delineation manual and applicable regional supplements, pursuant to WAC 173-22-035. All areas within the shoreline management area meeting the wetland designation criteria in that procedure are hereby-designated critical areas and are

subject to the provisions of this SMP. See LMC Chapter 14.162.

- i. Special permitted uses identified in LMC Section 14.162.060 may be authorized pursuant to the requirements herein, however, these provisions do not relieve an applicant from complying with all other procedural and substantive requirements of this SMP, including, but not limited to, mitigation sequencing, and no net loss.
- j. Wetland Buffers. The following modifications to LMC Section 14.162.080 shall apply.
  - i. Buffer width averaging in LMC Section 14.162.080(B)(1) shall be limited such that the buffer at its narrowest point is no less than 75% of the standard width.
  - ii. Administrative buffer reductions allowed under LMC Section 14.162.080(B)(2) shall be limited to 25% of the standard buffer width.
  - iii. Within shoreline jurisdiction, wetland buffers as outlined in LMC Section 14.162.080 (A) for Category I wetlands shall not apply. Wetland buffers within shoreline jurisdiction for Category I wetlands shall be 300 feet.
- k. Mitigation. LMC Section 14.162.100(A) shall not apply. Mitigation sequencing shall follow the requirements of Chapter 3, Section B(4)(c)(3).
- l. Agricultural Activities. LMC Section 14.162.110 shall not apply.
- m. Alternative Review Process, Corps of Engineers, Section 404 Permit. LMC Section 14.162.120 shall not be construed to modify the requirements contained in this SMP. In all cases, the buffer requirements identified herein shall apply and mitigation sequencing as required in Chapter 4, Section B(4)(c)(3) must be employed in the design, location and operation of the project.
- n. In-Stream Structures. Please see Chapter 5, Section C(5)(h) for regulations pertaining to in- stream structures such as dams and weirs.
- o. Channel Migration Zones (CMZ). Within the shoreline jurisdiction surrounding Chambers Creek, the Shoreline Administrator shall require a channel migration study when the City determines that a shoreline use, development or modification proposal has the potential to interfere with the process of channel migration. Potential CMZ reaches are shown on map 12 of the Shoreline Analysis Report dated October 1, 2010. The study shall include recommended measures (consistent with mitigation sequencing) that demonstrate how no net loss of ecological functions associated with channel migration will be achieved. The proposal must demonstrate how it will avoid affecting the CMZ through utilization of nonstructural flood hazard measures and avoid the need for future shoreline modifications and structural flood hazard measures.
- p. Flood Hazard Overlay. LMC Section 14.158.030 incorporates the Flood Hazard Overlay provisions of LMC Section 18A.40.100 by reference. In addition to the standards contained therein, the following shall apply:
  - i. Where feasible, nonstructural flood hazard reduction measures should be implemented.
  - ii. Development shall not increase flood hazards significantly or cumulatively and must be consistent with adopted and approved comprehensive flood hazard management plans, other comprehensive planning efforts, the requirements

of the SMA and Chapter 173-26 WAC.

- iii. New development and uses, including the subdivision of land, shall not be established when it is reasonably foreseeable that the development or use would require structural flood hazard reduction measures within the CMZ or floodway.
- iv. The following uses may be authorized within the CMZ or floodway:
  - a. Ecological restoration or projects that protect ecosystem processes or ecological functions.
  - b. Bridges, utility lines and other public utility and transportation structures where no other feasible alternative exists or the alternative would result in unreasonable and disproportionate cost. Where such structures are allowed, mitigation shall address impacted functions and processes in the affected area.
  - c. Repair and maintenance of an existing legal use, provided such actions do not cause significant ecological impacts or increase flood hazards to other users.
  - d. Modifications or additions to an existing legal use, provided that further channel migration is not limited and the new development includes appropriate protection of ecological functions.
  - e. Development where existing structures prevent active channel movement and flooding.
  - f. Measures to reduce shoreline erosion, if it is demonstrated that the erosion rate exceeds that which would normally occur in a natural condition; the measure does not interfere with fluvial hydrological and geomorphological processes normally acting in natural conditions; and that the measure includes appropriate mitigation of impacts to ecological functions associated with the stream.
- v. New structural flood hazard reduction measures shall be allowed in shoreline jurisdiction only when it can be demonstrated by a scientific and engineering analysis that they are necessary to protect existing development, that nonstructural measures are not feasible, that impacts on ecological functions and priority species and habitats can be successfully mitigated so as to assure no net loss, and that appropriate vegetation conservation actions are undertaken consistent with the requirements of Chapter 3, Section C(8).
- vi. New structural flood hazard reduction measures shall be placed landward of the associated wetlands, and designated vegetation conservation areas, except for actions that increase ecological functions, such as wetland restoration, or as noted below. Such flood hazard reduction projects may be authorized if it is determined that no other alternative to reduce flood hazard to existing development is feasible. The need for, and analysis of feasible alternatives to, structural improvements shall be documented through a geotechnical analysis.
- vii. New structural public flood hazard reduction measures, such as dikes and levees, shall dedicate and improve public access pathways unless public



access improvements would cause unavoidable health or safety hazards to the public, inherent and unavoidable security problems, unacceptable and immitigable significant ecological impacts, unavoidable conflict with the proposed use, or a cost that is disproportionate and unreasonable to the total long- term cost of the development.

- viii. The removal of gravel for flood management purposes shall be consistent with an adopted flood hazard reduction plan and with this SMP and allowed only after a biological and geomorphological study shows that extraction has a long-term benefit to flood hazard reduction, does not result in a net loss of ecological functions, and is part of a comprehensive flood management solution.
- ix. Structural flood hazard reduction measures shall be consistent with an adopted comprehensive flood hazard management plan approved by the State that evaluates cumulative impacts to the watershed system.
- x. Flood hazard overlay variance criteria and requirements in LMC Section 18A.40.160 are in addition to the standard shoreline variance criteria and requirements identified in Chapter 6, Section D(1).

#### **4. Environmental Impacts and Mitigation Sequencing**

##### **a) Applicability**

A primary concern of the SMA is the environmental impact that uses and development may have on the fragile shorelines of the state. The following policies and regulations specify how environmental impacts shall be addressed in project design, construction, and regulatory approval and apply to all uses, activities, and development, regardless of whether a permit is required.

##### **b) Policies**

- 1) Shoreline processes and ecological functions should be protected through regulatory and non- regulatory means, including acquisition of key properties and conservation easements, development regulation, and providing incentives to encourage ecologically sound design.
- 2) The scenic aesthetic quality of shoreline areas and vistas should be preserved to the greatest extent feasible.
- 3) Adverse impacts on the natural environment should be minimized during all development phases (e.g. design, construction, operation, and management) and mitigation sequencing as described in the regulations should be applied to achieve no net loss of shoreline ecological functions.
- 4) Shoreline developments that propose to enhance environmentally sensitive areas, natural characteristics, shoreline resources, and provide water oriented public access and recreational opportunities should be encouraged and are consistent with the fundamental policies of this SMP.

##### **c) Regulations**

- 1) All shoreline uses and developments shall be located, designed, constructed, and

mitigated to result in no net loss of ecological functions necessary to sustain shoreline natural processes.

- 2) All shoreline uses and activities shall be located and designed to prevent or minimize the need for shoreline protection structures (bulkheading, riprap, etc.), stabilization, landfills, dredging, groins, jetties, or substantial site regrading.
- 3) Where required, mitigation measures shall be applied in the following sequence listed in order of priority; lower priority measures shall be applied only when higher priority measures are determined to be infeasible or inapplicable:
  - a. Avoiding the impact altogether by not taking a certain action or parts of an action;
  - b. Minimizing impacts by limiting the degree or magnitude of the action and its implementation by using appropriate technology or by taking affirmative steps to avoid or reduce impacts;
  - c. Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;
  - d. Reducing or eliminating the impact over time by preservation and maintenance operations;
  - e. Compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and
  - f. Monitoring the impact and the compensation projects and taking appropriate corrective measures.
- 4) All shoreline developments shall be located, constructed, and operated so as not to be a hazard to public health and safety.
- 5) Identified significant short term, long term, or cumulative adverse environmental impacts lacking appropriate mitigation to ensure no net loss of ecological functions necessary to sustain shoreline processes shall be sufficient reason for permit denial.
- 6) Substantive authority under the State Environmental Policy Act may be used to mitigate any environmental impacts not specifically or adequately addressed by the regulations contained in this SMP.

## 5. Public Access

### a) Applicability

Public access includes the ability of the general public to reach, touch and enjoy the water's edge, to travel on the waters of the state, and to view the water and the shoreline from adjacent locations. There is a variety of types of public access, including, but not limited to, picnic areas, pathways and trails, promenades, bridges, street ends, ingress and egress, and parking.

Existing formal public access to shorelines within the City includes American Lake North Park, Harry Todd Park (American Lake), Edgewater Park (Lake Steilacoom), Fort Steilacoom Park (Waughop Lake), and Chambers Creek Canyon Park. In addition, there are a number of public street ends where there may be potential for developing public access.

## b) Policies

- 1) Public shoreline access should be provided and enhanced through purchase or retention of access easements, signage of public access points, and designation and design of specific shoreline access areas for wildlife viewing.
- 2) Shoreline areas that hold unique value for public enjoyment should be identified and retained purchased, or easements should be acquired for public use. Prioritize sites in terms of short and long-term acquisition and development.
- 3) Street crossings of Clover Creek and public street ends terminating at the creek should be considered for public access facilities.
- 4) Access should be provided for a range of users including pedestrians, bicyclists, boaters, and people with disabilities to the greatest extent feasible.
- 5) Provisions for shoreline access should be required when the proposed development can be shown to have an impact on public access to waters of the state. Shoreline projects shall not be permitted that result in any net loss of shoreline access.
- 6) Required public access exactions should be reasonably related to the nature and scope of the project's impact to public access resources. Proximity to the water, by itself, shall not constitute an impact or basis for an exaction.
- 7) The design, construction, and operation of permitted uses in the shoreline jurisdiction should be regulated to minimize interference with the public's use of the water.
- 8) Access to all shoreline areas should be improved through expanded non-motorized connections and transit service.
- 9) Shoreline public access trails should be integrated with other existing and planned regional trails where feasible to provide non-motorized access and community connections.
- 10) Existing and proposed public access and recreational uses should be ensured to not adversely affect the integrity and character of the shoreline, threaten fragile shoreline ecosystem, or impair or detract from the public's visual or physical access to the water.
- 11) Preservation and enhancement of the public's visual access to all shoreline areas should be encouraged through the establishment of setbacks and height limits that ensure view corridors, but not be construed to mean excess removal of vegetation that partially impairs views.
- 12) Physical access for swimming and non-motorized boating, passive recreation (such as interpretive trails), and habitat enhancement should be encouraged for the management of shoreline public access sites.
- 13) Public access facilities should provide auxiliary facilities, such as parking and sanitation facilities, when appropriate, and they should be designed for accessibility by handicapped and physically impaired persons. Auxiliary facilities should be located outside of the shoreline management area or near the outer edge of the shoreline management area if feasible.

- 14) Public access should be designed to provide for public safety and to minimize potential impacts to private property and individual privacy.
- 15) Regulations should ensure that the development of active recreational facilities results in no net loss of ecological function. Regulations should address upland concerns, such as the location and design of parking and auxiliary facilities and active play areas, as well as the development of in-water and nearshore structures, such as non-motorized boat launches, piers, and swimming areas.
- 16) Public access facilities should be constructed of environmentally friendly materials, use LID BMPs where feasible, and sustain natural processes.
- 17) Regulations should provide guidance for the construction of trails in particularly environmentally sensitive shoreline segments along Chambers Creek and Waughop Lake.

#### c) Regulations

- 1) Where the City has shown that a project would have an adverse impact on existing public access to the waters of the state or create a new demand for public access, provisions shall be made to mitigate the impact/meet the projected demand and ensure that there is no net loss to public access resources or opportunities. Examples of impacts to shoreline access resources or new demand include, but are not limited to:
  - a. The development would result in increased demand for shoreline access by the location of new dwelling units within the 200' SMA jurisdiction without physical shoreline access for each unit.
  - b. The development would foreclose an opportunity to access an area without existing public access, or where the opportunity for access is unique.
  - c. The proposed development would interfere with existing public access.
  - d. The proposed development would interfere with planned public access facilities shown in an adopted plan, ordinance, or resolution of the Lakewood City Council.
  - e. The proposed development would create additional potential demand for emergency response services without adequate potential access to the shoreline for emergency responders.
  - f. Instances where there is an existing public access or access easement applicable to the property.
- 2) The Community Development Director may authorize reasonable adjustments to development standards such as lot coverage, minimum lot width, setbacks, etc. in order to accommodate public access. Such adjustments may require a variance in accordance with Chapter 6(D)(1).
- 3) Development exactions for public access shall be reasonably related to the scope and nature of the project and its impact to public access. Access may be limited to the final users or residents of the development where full public access is not required to mitigate the identified impact.

- 4) Developments, uses, and activities shall be designed and operated to avoid blocking, reducing or adversely interfering with the public's visual or physical access to the water and the shorelines. In providing visual access to the shoreline, natural vegetation shall not be excessively removed either by clearing or by topping.
- 5) Public access sites shall be connected directly to the nearest public street through a parcel boundary, tract, or easement.
- 6) Public access sites shall be made barrier free for the physically disabled where feasible.
- 7) Required public access sites shall be fully developed and available for public use at the time of occupancy or use of the development or activity.
- 8) Public access easements and permit conditions shall be recorded on the deed where applicable or on the face of a plat, if applicable, or short plat as a condition running in perpetuity with the land. Recording with the Pierce County Recorder's Office shall occur at the time of permit approval (See RCW 58.17.110; relating to subdivision approval).
- 9) The standard state approved logo and other approved signs that indicate the public's right of access and hour of access shall be constructed, installed, and maintained by the applicant in conspicuous locations at public access sites. Alternatively, where public access is prohibited, property owners may install signs indicating this, subject to size and location restrictions in a required permit.
- 10) Future actions by the applicant or other parties shall not diminish the usefulness or value of the public access site.
- 11) Physical public access shall be designed to prevent significant impacts to sensitive natural systems, follow the mitigation sequence identified in Chapter 3, Section B(4)(C)(4) and achieve no net loss of shoreline ecological function .
- 12) Where public access is to be provided by a trail the requirements contained in Chapter 4, Section (D)(8) shall apply.
- 13) Whenever financially feasible and practical, the City shall require the use of building materials and technologies whose production and use result in reduced environmental impacts when developing public access to the shoreline.
- 14) The Administrator may waive the requirement for public access where it is demonstrated to be infeasible due to reasons for incompatible uses, safety, security, or impact to the shoreline environment or due to constitutional or other applicable legal limitations. In determining infeasibility, the Administrator shall consider alternate methods of providing public access such as offsite improvements, viewing platforms, separation of uses and restricting hours for public access.

## 6. Restoration

### a) Applicability

Restoration refers to the reestablishment or upgrading of impaired ecological shoreline processes or functions. The following policies are intended to guide actions to improve shoreline ecological functions over time where such functions have been degraded.

Restoration is distinct from mitigation measures necessary to achieve no net loss of shoreline functions and the City's commitment to plan for restoration will be implemented primarily through non-regulatory means (e.g. incentives, public projects and voluntary private actions).

#### b) System-Wide Restoration Policies

- 1) Areas that are biologically and aesthetically degraded should be reclaimed and restored to the greatest extent feasible while maintaining appropriate use of the shoreline. Water quality of all water bodies within the shoreline management area should be improved by managing the quality and quantity of stormwater in contributing systems, consistent with the latest Ecology Stormwater Management Manual for Western Washington.
- 2) The quality, width, and diversity of native vegetation in protected corridors adjacent to lake and stream habitats should be increased to provide safe migration pathways for fish and wildlife, food, nest sites, shade, perches, and organic debris. Strive to control non-indigenous plants or weeds that are proven harmful to native vegetation or habitats.
- 3) Work should continue with other jurisdictions and stakeholders on implementation of the Water Resource Inventory Area (WRIA) 12 Plan.
- 4) Funding for various restoration actions and programs should be sought from local sources and by working with other WRIA 12 jurisdictions and stakeholders to seek federal, state, grant and other funding opportunities.
- 5) A public education plan should be developed to inform private property owners in the shoreline zone and in the remainder of the City about the effects of land management practices and other unregulated activities (such as pesticide/herbicide use, car washing) on fish and wildlife habitats. The City should strive to coordinate efforts with local groups such as the Tahoma Audubon Society, Chambers/Clover Creek Watershed Council, the Clover Creek Council and other appropriate partners and stakeholders.
- 6) Lake area and wetland should be protected, enhanced, and restored throughout the contributing basin where functions have been lost or compromised.

#### c) SMA Restoration Policies

- 1) Waughop Lake (Fort Steilacoom Park), American Lake North Park, Harry Todd Park, and Edgewater Park should be targeted for restoration of shoreline natural resources and functions while ensuring continued public access to the shoreline.
- 2) Restoration of aquatic and riparian habitat along Clover Creek should be encouraged and accomplished over time through incentives for private property owners, stormwater management improvements, and City capital improvement projects.
- 3) The City should collaborate with Pierce County and the City of University Place for any restoration activities that would improve habitat and other ecological functions within Chambers Creek Canyon Park.
- 4) The City, Washington State Parks, and Pierce County should protect natural areas and continue to identify and implement shoreline restoration projects at Fort Steilacoom



Park, while ensuring continued public access.

- 5) Ecological functions of lake shorelines should be improved by removing bulkheads and replacing these features to the extent feasible with bioengineered stabilization solutions to improve aquatic habitat conditions.
- 6) Ecological functions of streams and related habitat with stream bank stabilization should be improved using native vegetation.
- 7) American Lake North Park and Harry Todd Park should be targeted for limited habitat enhancements that are designed and sited to be compatible with the heavy active recreation use at these parks. Opportunities include planting of native vegetation where appropriate.
- 8) Habitat conditions should be improved by increasing large woody debris recruitment potential through plantings of trees along the lakeshore, particularly conifers. Where a safety hazard will not be created, installation of large woody debris should be encouraged to meet short-term needs.
- 9) Single-family residential properties should be targeted with incentives, outreach, and information for homeowners who are willing to voluntarily remove bulkheads, plant native vegetation and recruit large woody debris.
- 10) The amount and impact of overwater and in-water structures should be decreased within SMP lakes through minimization of structure size and use of more environmentally friendly materials, including grated decking.
- 11) American Lake North Park, Edgewater Park, Harry Todd Park, Springbrook Park and Open Space, and Chambers Creek Canyon Park should be targeted for the use of environmentally friendly materials and design during the future planned development of recreational facilities.
- 12) Native vegetation should be preserved and restored along shorelines to the greatest extent feasible.
- 13) Aquatic invasive species in American Lake, Gravelly Lake, Lake Louise, and Waughop Lake should be monitored and controlled, and participation in lake-wide efforts at Lake Steilacoom should continue to reduce populations of non-native aquatic vegetation.
- 14) Restoration projects may include shoreline modification actions such as vegetation modification, shoreline stabilization, dredging or filling in accordance with all applicable provisions in this SMP and provided the primary purpose of such actions is clearly restoration of natural character and ecological functions of the shoreline.
- 15) In accordance with RCW 90.58.580 and WAC 173-27-215, a Substantial Development Permit is not required for development on land that is brought under shoreline jurisdiction due to a shoreline restoration project. However, projects are still required to comply with the regulations of this Master Program.
- 16) Projects taking place on lands that are brought into shoreline jurisdiction due to a shoreline restoration project that caused a landward shift of the OHWM may apply to the Administrator for relief from the SMP development standards and use regulations under the provisions of RCW 90.58.580. Any relief granted shall be

strictly in accordance with the limited provisions of RCW 90.58.580, including the specific approval of the Department of Ecology.

## **7.** Shorelines of Statewide Significance

### **a)** Applicability

The SMA designated certain shoreline areas as shorelines of statewide significance. American Lake is a shoreline of statewide significance. Such shorelines are considered major resources from which all people of the state derive benefits, thus preference is given to uses, which favor long-range goals and support the overall public interest.

### **b)** Policies

In implementing the objectives for shorelines of statewide significance, the City should consider the following policies in order of priority, 1 being the highest and 6 being the lowest.

- 1) Recognize and protect the statewide interest over local interest.
  - a. Make all information associated with this SMP and proposed amendments publicly available, and consider comments and opinions from groups and individuals representing statewide interests when developing and amending the SMP.
- 2) Preserve the natural character of the shoreline.
  - a. Designate and administer shoreline environment designations and use regulations to protect and restore the shoreline ecology and character.
  - b. Protect and restore diversity of vegetation and habitat associated with shoreline areas.
- 3) Support actions that result in long-term benefits over short-term benefits.
  - a. Restrict or prohibit development that would irreversibly damage shoreline resources.
- 4) Protect the resources and ecology of the shoreline.
  - a. All shoreline development should be located, designed, constructed, and managed to avoid disturbance of and minimize adverse impacts to wildlife resources, including spawning, nesting, rearing and habitat areas and migratory routes.
  - b. Actively promote aesthetic considerations when contemplating new development, redevelopment of existing facilities or general enhancement of shoreline areas.
- 5) Increase public access to publicly owned areas of the shorelines.
  - a. Implement a comprehensive wayfinding signage program that directs the public to publicly owned shoreline areas.
- 6) Increase recreational opportunities for the public in the shoreline.
  - a. Plan for and encourage development of facilities for recreational use of the shoreline.

## **8.** Shoreline Vegetation Conservation (Clearing and Grading)

### **a)** Applicability

The following provisions apply to any activity, development, or use which results in the removal of or affect to shoreline vegetation, whether or not that activity requires a shoreline permit. Such activities include clearing, grading, grubbing, and trimming of vegetation.

These provisions also apply to vegetation protection and enhancement activities.

## b) Policies

- 1) Native shoreline vegetation should be conserved to maintain shoreline ecological functions and/or processes and should mitigate the direct, indirect, and/or cumulative impacts of shoreline development, wherever feasible. Important functions of shoreline vegetation include, but are not limited to:
  - a. Providing shade necessary to maintain water temperatures required by salmonids and other organisms for all or a portion of their lifecycles.
  - b. Regulating microclimate in riparian and nearshore areas.
  - c. Providing organic inputs necessary for aquatic life, including providing food in the form of various insects and other benthic macroinvertebrates.
  - d. Stabilizing banks, minimizing erosion and sedimentation, and reducing the occurrence and severity of landslides.
  - e. Reducing introduction of fine sediment into the aquatic environment by minimizing erosion, aiding infiltration, and retaining runoff.
  - f. Improving water quality through filtration and vegetative uptake of nutrients and pollutants.
  - g. Providing a source of large woody debris to moderate stream flows, create hydraulic roughness, form pools and increase structural diversity for salmonids and other species.
  - h. Providing habitat elements for riparian-associated species, including downed wood, snags, migratory corridors, food, and cover.
- 2) Management and control of noxious and invasive weeds should be encouraged, preferably by using non-toxic or natural controls. Control of such species should be done in a manner that retains on-site native vegetation, provides for erosion control, and protects water quality.
- 3) Adverse environmental and shoreline impacts of clearing and grading should be avoided wherever feasible through proper site planning, construction timing and practices, bank stabilization, soil bioengineering and use of erosion and drainage control methods. Maintenance of drainage controls should be a high priority to ensure continuing, effective protection of habitat and water quality.
- 4) All clearing and grading activities should be designed with the objective of maintaining natural diversity in vegetation species, age, and cover density.
- 5) Incentives for the retention and planting of native vegetation should be provided, and extensive lawns should be discouraged due to their limited erosion control value, limited water retention capacity, and associated chemical and fertilizer applications particularly in areas recommended for designation as Shoreline Residential. Incentives could include additional flexibility with building setbacks from American Lake, Gravelly Lake, Lake Louise, and Lake Steilacoom, a simplified permit process with recommended planting plans, reduced or waived permit fees, and/or City

participation in a pilot-project that promotes shoreline restoration.

- 6) The City should explore opportunities for the planting and enhancement of native vegetation at American Lake North Park, Harry Todd Park, Edgewater Park, and Fort Steilacoom Park.
- 7) In order to increase habitat and address other ecological functions within the shoreline environment such as wave attenuation, temperature regulation, and bank stabilization, homeowners and property managers should be encouraged to leave diseased and fallen trees in place along the shoreline edge provided the trees are not a danger to public safety or private property.
- 8) The removal of mature trees and native vegetation along American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek should be regulated in a manner that provides greater protection than the current Tree Preservation regulations (LMC Section 18A.50.300). In particular, removal of non-hazardous mature trees and native vegetation within the required setback of American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek should be severely restricted regardless of lot size or use.
- 9) The City should provide information to the public about environmentally appropriate vegetation management, landscaping for shoreline properties and alternatives to the use of pesticides and herbicides, which affect water quality and aquatic habitat.
- 10) Property owners should use the following BMPs when maintaining residential landscapes:
  - a. Avoid use of herbicides, fertilizers, insecticides, and fungicides along drainage channels, and shores of American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek, as well as in the water.
  - b. Limit the amount of lawn and garden watering to avoid surface runoff.
  - c. Dispose of grass clippings, leaves, or twigs properly; do not sweep these materials into the street, into a body of water, or near a storm drain.
  - d. Use native plant materials wherever possible in soil bioengineering applications and habitat restoration activities for aquatic weed management. Remove, destroy, and modify aquatic vegetation only to the extent necessary to allow water-dependent activities to continue and in a manner that minimizes adverse impacts to native plant communities. Handle and dispose of weed materials and attached sediments appropriately.

#### c) Regulations

- 1) Clearing and grading activities and related alteration of the natural landscape within shoreline jurisdiction shall only be allowed in association with a permitted shoreline use, activity or development, with limited exceptions as set forth below:
  - a. Removal of noxious weeds as listed by the state in Chapter 16-750 WAC, provided such activity shall be conducted in a manner consistent with BMPs and the City's

engineering and stormwater design standards, and native vegetation shall be promptly reestablished in the disturbed area. Noxious weeds removed under this provision shall be removed by hand or using small equipment to minimize negative impacts to the shoreline environment.

- b. Pruning consistent with accepted arboricultural practices, maintenance of existing ornamental landscapes, and other activities allowed pursuant to these regulations, if said modification is conducted in a manner consistent with this SMP and results in no net loss to ecological functions or critical fish and wildlife habitats.
  - c. Maintenance or view restoration provided that said activity is conducted in a manner consistent with this SMP and results in no net loss to ecological functions or critical fish and wildlife habitat areas.
  - d. Removal of non-native vegetation, including trees up to six inches in diameter at breast height (dbh), provided all areas of exposed soil are replanted or stabilized.
- 2) All clearing and grading activities must also adhere to the requirements of this SMP and the City's code pertaining to land clearing and grading (Chapter 12A LMC - Public Works; LMC Sections 18A.50.400 - 18A.50.445 - Landscaping; LMC Section 18A.50.231 - Landscape design objectives for specific uses). Additional clearing and grading performance standards may be required as a condition of permit issuance to ensure the proposal will result in no net loss of shoreline ecological functions.
  - 3) Shoreline developments shall address vegetation conservation and maintenance through compliance with this Section, the critical area standards incorporated in Appendix A, mitigation sequencing required in Section B(4)(c)(3) of this Chapter, and any other regulations specific to vegetation management that may be contained in other chapters of this SMP.
  - 4) In all shoreline areas, land clearing, grading, filling and alteration of natural drainage features and landforms shall be limited to the minimum necessary for development.
  - 5) Properties within the setbacks and buffers of Chambers Creek, Clover Creek, and Waughop Lake shall maintain native vegetation in an undisturbed state.
  - 6) Native understory vegetation and trees within the shoreline setbacks in all environments shall be retained, unless removal is necessary to provide water access, to provide limited view corridors, to mitigate a hazard to life or property, or removal is in association with a permitted development. Any removed vegetation shall be replaced to assure no net loss in ecological functions.
  - 7) Native understory vegetation and trees within the Natural environment shall be retained, unless removal is necessary to mitigate a hazard to life or property or allow for limited development associated with an educational, historic, water-oriented recreation, or cultural interpretation facility. Any removed vegetation must be replaced and/or enhanced to assure no net loss in ecological functions.
  - 8) Within all other shoreline areas, outside of setbacks and buffers, tree removal shall be limited to the minimum necessary to accommodate proposed structures and uses or to mitigate a hazard to life or property. Significant trees, as defined in LMC Section 18A.50.320 shall be replaced according to a tree replacement plan prepared by a qualified professional that demonstrates how no net loss will be achieved.

- 9) The City shall require a shoreline vegetation management plan (SVMP) prepared by a qualified professional as part of any Substantial Development Permit that includes tree removal and land clearing. The City may require a SVMP for exempt activities or other permits involving tree removal and land clearing where necessary if project plans or other information does not clearly demonstrate compliance with this section. The SVMP shall document compliance with the mitigation sequence and identify appropriate compensatory mitigation, performance assurances, and maintenance and monitoring requirements necessary to assure no net loss of ecological functions. See Chapter 4, Section C(3)(a)(4 and 5) for additional SVMP requirements when the proposal involves an administrative setback reduction. The Citywide tree standards contained in LMC Section 18A.50.300 (Ordinance #264, August 20, 2001) shall be the minimum compensatory mitigation standards and the Shoreline Administrator may require additional compensatory mitigation to meet the no net loss standard. All development, including, but not limited to, development on lots that are less than seventeen thousand (17,000) square feet that would otherwise be exempt under the Citywide tree regulations, shall be required to comply with the standards contained in this SMP as well as those in Title 18A LMC.
- 10) Restoration of any shoreline that has been disturbed or degraded shall use native plant materials, unless such restoration occurs within a developed and maintained ornamental landscape, in which case noninvasive plant materials similar to what most recently occurred on-site may be used.
- 11) Snags and downed trees that are not in the path of proposed improvements and do not pose a hazard to life or property shall be retained for wildlife habitat.
- 12) Placement of fifty (50) cubic yards or more of material from off-site (other than surcharge or preload), or the creation or raising of dry upland shall be considered fill and shall comply with the fill provisions in Chapter 5.
- 13) Surfaces cleared of vegetation and not developed must be replanted with native species or other species as approved by the City within one (1) year. Replanted areas shall be planned and maintained such that, within three (3) years, the vegetation is at least ninety (90) percent reestablished.
- 14) Stabilization of exposed erosion-prone surfaces within the shoreline environment shall utilize soil bioengineering techniques wherever feasible instead of hardscape or structural techniques.
- 15) Aquatic vegetation control shall only occur when native plant communities and associated habitats are threatened or where weeds restrict an existing water dependent use. Aquatic vegetation control shall occur in compliance with all other applicable laws and standards, including Ecology and Washington Department of Fish and Wildlife (DFW) requirements. Aquatic vegetation control by mechanical methods is exempt from the requirement to obtain a substantial development permit only if the bottom sediment or benthos is not disturbed in the process. It is assumed that mechanical removal of accumulated vegetation at a level closer than two (2) feet to the root level will disturb the bottom sediment and benthos layer.
- 16) The control of aquatic vegetation by de-rooting, rotovating or other methods, which disturb the bottom sediment or benthos, shall be considered development for which a substantial development permit is required.



- 17) The application of herbicides or pesticides in American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek, wetlands, or surface water conveyances requires a permit from the Ecology and may require preparation of a SEPA checklist for review by other agencies. The individual(s) involved must obtain a pesticide applicator license from the Washington State Department of Agriculture.
- 18) Prior to issuance of any construction, grading, or building permits, the City may require that the permittee post a cash guarantee to assure compliance with vegetation conservation standards. This amount should be equal one hundred fifty percent (150%) of the City Engineer's estimated cost of the project, or no less than two thousand dollars (\$2,000) unless specific proposal details support an alternative amount.
- 19) Prior to final issuance of a building permit, land use permit, or occupancy, a cash guarantee equal to thirty percent (30%) of the landscaping replacement cost may be required to assure compliance with vegetation conservation standards. The cash guarantee may be maintained for a three (3) year period, at which point the Shoreline Administrator will determine if the surety will be released or extended to maintain landscaped areas.
- 20) The Shoreline Administrator shall require the cash guarantees identified above when the proposal involves a variance, a setback reduction consistent with the flexible setback provisions of Chapter 4, Subsection C(3), or work within a critical area or buffer as defined in Appendix A.

## **9. Water Quality, Stormwater, and Non-Point Pollution**

### **a) Applicability**

The following section applies to all development and uses in shoreline jurisdiction that affect water quality and storm water quantity. Human occupation and shoreline area development affect water quality in numerous ways. For example, higher peak stormwater discharges at greater velocities caused by an increase in development and impermeable surfaces leads to scouring and stream bank erosion. Erosion increases suspended solids concentrations and turbidity in receiving waters, and carries heavy metals, household wastes, excess nutrients, and other pollutants into these waters. Increased nitrogen and phosphorus enrichment results in algal growth that depresses levels of dissolved oxygen in receiving waters. Water quality degradation adversely affects wildlife habitat and public health.

Maintaining high water quality standards and restoring degraded systems has been mandated in Chapter 90.58 RCW. In January of 2007, the City received its Western Washington Phase II Municipal Stormwater Permit from the Ecology. Under this permit, the City developed a Stormwater Management Program.

### **b) Policies**

- 1) All shoreline uses and activities should be located, designed, constructed, and maintained to mitigate the adverse impacts to water quality.
- 2) Water quality education efforts should be used to reduce the potential sources of pollutants to American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek and other natural waterways. Phosphorous

reduction sources in the Lake Steilacoom and American Lake sub-basins and fecal coliform sources in the Chambers Creek and Clover Creek sub-basins should be emphasized until the City can provide sufficient data to Ecology to have 303d listing removed from these water bodies. The 303d listing is comprised of those waters that are in the polluted water category under the Clean Water Act, for which beneficial uses- such as drinking, recreation, aquatic habitat, and industrial use - are impaired by pollution. Phosphorous sources include, but are not limited to, failing septic systems and residential fertilizer application. Fecal coliform pollutant sources include, but are not limited to, failing septic systems, and duck, geese and dog feces.

- 3) Stormwater impacts should be addressed through the application of the adopted Surface Water Design Manuals and all applicable City stormwater regulations.
- 4) New impervious surfaces should be limited within the shoreline management area by setting maximum impervious surface standards for new development and redevelopment and by encouraging pervious pavement use and other LID BMPs where feasible.
- 5) The City should work with the Tacoma-Pierce County Health Department to ensure existing septic systems are working properly to prevent groundwater and surface water degradation through excessive inputs of nutrients (nitrogen and phosphorus) and hazardous microbes, with an emphasis on the Chambers Creek and Clover Creek subbasins due to their 303(d) listing for fecal coliform.
- 6) The City should work with Pierce County Public Works and Utilities and the Tacoma-Pierce County Health Department to require sanitary sewer system connection when existing properties on septic systems are developed, redeveloped, or substantially modified.
- 7) The City should continue to provide general information to the public about the land use and human activities which impact water quality by encouraging educational curricula that provide students with first hand exposure to the issues and solutions, and through community activities, such as Adopt-A- Stream programs.
- 8) The City should encourage homeowners and property managers to maintain and enhance vegetation that supports water quality functions and to use non-chemical weed and pest control solutions and natural fertilizers.

#### c) Regulations

- 1) All shoreline uses and activities shall utilize BMPs to minimize any increase in surface runoff and to control, treat, and release surface water runoff so that receiving water quality and shore properties and features are not adversely affected during both construction and operation. Physical control measures include, but are not limited to, catch basins, settling ponds, oil/water separators, filtration systems, grassy swales, interceptor drains, and landscaped buffers. All types of BMPs require regular maintenance. BMPs are identified in the City's adopted stormwater manuals.
- 2) Structural stormwater facilities, such as vaults, pipes and catch basins, shall be located outside of the shoreline setback, unless the Shoreline Administrator determines that such location is not feasible.
- 3) Solid waste, liquid waste, and untreated effluent shall not be allowed to enter any

bodies of water or to be discharged onto the land.

- 4) The direct release of oil and hazardous materials or chemicals onto the land or into water is prohibited. Equipment for the transportation, storage, handling or application of such materials shall be maintained in a safe and leak proof condition. If there is evidence of leakage, the further use of such equipment shall be suspended until the deficiency has been satisfactorily corrected as determined by the Shoreline Administrator.
- 5) All shoreline development shall comply with the applicable requirements of the City's adopted surface water design Manuals and all applicable City stormwater regulations.
- 6) All shoreline development shall implement applicable LID BMPs where feasible, pursuant to the standards contained in the adopted surface water design manuals and the most recent edition of the Low Impact Development Technical Guidance Manual for Puget Sound.

#### 16.10.040

#### Chapter 4

#### Shoreline Use Provisions

##### A. Applicability

As required by the SMA, this SMP sets forth policies and regulations governing specific categories of uses and activities typically found in shoreline areas. The policies and regulations cover the following uses and activities: Agriculture, Aquaculture, Boating Facilities, Commercial Development (Primary and Accessory), Forest Practices, Industrial Development, Mining, Parking (as a primary use), Recreational Facilities, Residential Development, Scientific, Historical, Cultural, or Educational Uses, Signage, Transportation, and Utilities (Primary and Accessory). The policies and regulations provide the basic criteria for evaluating shoreline permit applications and exemptions and are used to implement the broader goals, policies and intent of the SMA and this Program.

This SMP contains limited provisions related to commercial or industrial development along the shorelines of American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek. These water bodies, with the exception of Waughop Lake and portions of Chambers Creek, are substantially developed with residential uses, with little undeveloped shoreline remaining. As such, access to the water is primarily related to recreation and residential uses and is not considered particularly important to commercial or industrial interests.

##### B. General Policies

- 1) When determining allowable uses and resolving use conflicts within the City's shoreline jurisdiction, the following should be applied in the order of preference listed below:
  - a. Reserve appropriate areas for protecting and restoring ecological functions to control pollution and prevent damage to the natural environment and public health.
  - b. Reserve shoreline areas for water-dependent and associated water related uses.
  - c. Reserve shoreline areas for other water-related and water-enjoyment uses that are compatible with ecological protection and restoration objectives.

- d. Treat single-family residential uses as a preferred use and encourage the continuation and development of this use where it can occur without significant impact to ecological functions or displacement of water-dependent uses.
  - e. Limit non-water-oriented uses to those locations where the above-described uses are inappropriate or where non-water-oriented uses demonstrably contribute to the objectives of the SMA, including opportunities for ecological enhancements and public access improvements.
- 2) Proposed shoreline use should be consistent with the City's Comprehensive Plan. Conversely, upland uses on adjacent lands outside of immediate SMA jurisdiction (in accordance with RCW 90.58.340) should be consistent with the purpose and intent of this SMP.
  - 3) All development and redevelopment activities within the City's shoreline jurisdiction should be designed to ensure public safety, enhance public access, protect existing shoreline and water views, and achieve no net loss of shoreline ecological functions.
  - 4) The use of "Green Building" practices should be encouraged, and in some cases required where feasible, such as LID and those promulgated under the Leadership in Energy and Environmental Design (LEED) and Green Built programs, for new development within the shoreline jurisdiction.
  - 5) Proposed shoreline uses should not infringe upon the rights of others or upon the rights of private ownership.
  - 6) Shoreline uses, which enhance their specific areas or employ innovative features for purposes consistent with this program, should be encouraged.
  - 7) Restoration in shoreline areas that have been degraded or diminished in ecological value and function because of past activities or catastrophic events should be encouraged.

### C. Shoreline Use and Development Standards

Table I and Table II indicate the allowable uses by shoreline environment designation and the key standards that apply to development. The standards in this section are supplemental to standards in other portions of this SMP.

#### I. Shoreline Use Table

Table I. Shoreline Uses

<p><b>KEY</b>  <b>P3 = Permitted Use C = Conditional Use X = Prohibited</b></p> <p><b>Shoreline uses are allowed only if permitted in both the shoreline environment designation and the underlying zone.</b></p> <p><b>A use that occurs on both landward and waterward of the OHWM must meet the requirements of both the specific upland shoreline environment designation as well as the aquatic environment designation. Please also refer to specific use policies and regulations in Section 4 below.</b></p> <p><b>SHORELINE USE</b></p>	<b>SHORELINE RESIDENTIAL</b>	<b>URBAN-STREAM PROTECTION</b>	<b>URBAN PARK</b>	<b>CONSERVANCY</b>	<b>NATURAL</b>	<b>AQUATIC</b>
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<b>Agriculture</b>	X	X	X	X	X	X
<b>Aquaculture</b>	C	C	C	C	X	C
<b>Boating Facilities</b> <sup>1</sup>						
Marinas (Public or Private)	C	X	C	X	X	C
Floating Homes and Live Aboards	X	X	X	X	X	X
Community Piers and Docks (Private Shared Use)	P	X	P	X	X	P
Public Pier	C	X	P	X	X	P
Boat Launch <sup>4</sup>	C	X	C	X	X	C
<b>Water-Oriented Commercial</b> <sup>2</sup>	C	P	C	C	X	C
<b>Non-Water Oriented Commercial</b> <sup>2</sup>	C	P	C	C	X	X
<b>Forest Practices</b>	X	X	X	X	X	X
<b>Industrial</b>	X	X	X	X	X	X
<b>Mining</b>	X	X	X	X	X	X
<b>Parking</b>						
Parking (As a Primary Use)	X	X	X	X	X	X
Parking (As an Accessory Use)	P	P	P	X	X	X
<b>Recreation</b> <sup>3</sup>						
Water-Dependent	P	P	P	P	P	P
Water-Enjoyment	P	P	P	P	P	P
Non-Water Oriented (As an Accessory Use)	P	P	P	P	C	X
Non-Water Oriented (As a Primary Use)	X	C	X	X	X	X
<b>KEY</b> <b>P3 = Permitted Use C = Conditional Use X = Prohibited</b>  <b>Shoreline uses are allowed only if permitted in both the shoreline environment designation and the underlying zone.</b>  <b>A use that occurs on both landward and waterward of the OHWM must meet the requirements of both the specific upland shoreline environment designation as well as the aquatic environment designation. Please also refer to specific use policies and regulations in Section 4 below.</b> <b>SHORELINE USE</b>	<b>SHORELINE RESIDENTIAL</b>	<b>URBAN-STREAM PROTECTION</b>	<b>URBAN PARK</b>	<b>CONSERVANCY</b>	<b>NATURAL</b>	<b>AQUATIC</b>
<b>Residential Structures</b>						
Single-Family	P	P	C	C	C	X
Multi-Family	P	P	X	X	X	X
<b>Scientific, Historical, Cultural, or Educational Uses</b>	P	P	P	P	P	P
<b>Transportation Facilities</b>						
New Public Roads	P	C	C	C	C	C
Expansion of Existing Roads and New Driveways	P	P	P	P	C	C
Major Trails	C	C	C	C	X	C
Minor Trails	P	P	P	P	P	C
<b>Utilities (Primary)</b>						
Solid Waste Disposal or Transfer Sites	X	X	X	X	X	X
Other	C	C	C	C	C	C
<b>Utilities (Secondary)</b>						
All	P	P	P	P	C	C
<b>Other Uses and Activities</b>						
Restoration Activities	P	P	P	P	P	P

<sup>1</sup> See Chapter 5 (Shoreline Modifications) for specific types of in-water or over water structures/facilities allowed in each environment (e.g. piers, docks and floats). Please note,

boat ramps and overwater structures are not allowed in the Urban - Stream Protection, Conservancy, and Natural environments.

<sup>2</sup> In the Shoreline Residential, Conservancy and Urban Park environments, only water-oriented commercial activities or limited accessory commercial uses are allowed, e.g. day care in Shoreline Residential and concessions in the Urban Park, per the use standards in Commercial Uses in this SMP and in the underlying zoning.

<sup>3</sup> See permit requirements and exemptions in Chapter 5 and Chapter 6.

<sup>4</sup> Launching rails are not considered boating facilities for purposes of this Section. Launching rails are not intended to serve more than four (4) residences. For launching rail provisions, see Chapter 5.

## 2. Shoreline Development Standards Table

Table II. Shoreline Development Standards

<b>DEVELOPMENT STANDARD</b>	<b>SHORELINE RESIDENTIAL</b>	<b>URBAN - STREAM PROTECTION</b>	<b>URBAN PARK</b>	<b>CONSERVANCY</b>	<b>NATURAL</b>	<b>AQUATIC</b>
Maximum Height <sup>1</sup>	35 ft.	35 ft.	35 ft.	35 ft.	35 ft.	N/A <sup>3</sup>
Shoreline Setback or Buffer By Waterbody <sup>2,4</sup>  Note: Setback requirements apply to all lakes and buffer requirements apply to streams. See definitions for more information.  Along streams, an additional 8 ft. building setback shall apply to edge of the buffer per Critical Area standards.	65 ft. Setback  (Note: May be reduced to 50 ft. with enhancement)	Clover Creek 65 ft. Buffer  (Note: May be reduced to 50 ft. with enhancement)	100 ft. Setback for Urban Park properties on all lakes  (Note: May be reduced to 75 ft. with enhancement)  Clover Creek 65 ft. Buffer  (Note: May be reduced to 50 ft. with enhancement.)	150 ft. Buffer  (Note: No reduction allowed unless a variance is obtained)	150 ft. Buffer  (Note: No reduction allowed unless a variance is obtained)	N/A <sup>3</sup>



DEVELOPMENT STANDARD	SHORELINE RESIDENTIAL	URBAN - STREAM PROTECTION	URBAN PARK	CONSERVANCY	NATURAL	AQUATIC
<p>Maximum Impervious Surface Coverage within shoreline jurisdiction<sup>5</sup></p>	<p>35% (R1 and R2) 50% (R3) 60% (R4) 50% (ARC) 60% (MR2) 70% (NC1) 80% (NC2)</p> <p>Provided an additional 10% of site coverage using pervious pavements shall be allowed</p>	<p>See adjacent column for Shoreline Residential</p>	<p>30%</p>	<p>20%</p>	<p>5%</p>	<p>N/A<sup>3</sup></p>
<p>Maximum Impervious Surface or Hard Surface Coverage within Shoreline Setback or Buffer.</p> <p>Note: Pervious pavements required where feasible</p>	<p>10% within 25 ft. of the OHWM, 20% within remaining portion of setback</p>	<p>See critical area buffer requirements</p>	<p>10% within 25 ft. of OHWM, 20% within remaining portion of setback for Lakes</p> <p>See critical area buffer requirements for stream</p>	<p>See critical area buffer requirements</p>	<p>See critical area buffer requirements</p>	<p>N/A<sup>3</sup></p>

Minimum Lot Frontage	50 ft. (Lake Louise)	100 ft.	No further subdivision allowed	No further subdivision allowed	No further subdivision allowed	N/A <sup>3</sup>
	60 ft. (American Lake and Gravelly Lake)					
	70 ft. (Lake Steilacoom)					

<b>DEVELOPMENT STANDARD</b>	<b>SHORELINE RESIDENTIAL</b>	<b>URBAN - STREAM PROTECTION</b>	<b>URBAN PARK</b>	<b>CONSERVANCY</b>	<b>NATURAL</b>	<b>AQUATIC</b>
Minimum Lot Size and Lot Density	Underlying zoning: R1 - 25,000 gsf R2 - 17,000 gsf R3 - 7,500 gsf R4 - 5,700 gsf	Underlying zoning: R1 - 25,000 gsf R2 - 17,000 gsf R3 - 7,500 gsf R4 - 5,700 gsf MF2 - 35 dua MF3 - 54 dua	No further subdivision is allowed	No further subdivision allowed	No further subdivision allowed	N/A <sup>3</sup>

<sup>1</sup> Height limits apply to all permanent and temporary structures. Development shall also be subject to the height limits established by the underlying zoning. The height limit shall not apply to television antennas, chimneys, flagpoles, public utilities, and similar appurtenances.

<sup>2</sup> Setbacks are measured landward, on a horizontal plane perpendicular to the shoreline. The standard setback applies unless the applicant implements voluntary enhancements as described in the following regulations and in Table III below. Where allowed, the setback may be reduced by the Shoreline Administrator to the minimum setback indicated in Table II. See zoning regulations for interior lot setbacks and other requirements that apply to specific zones. In the event of a conflict between a provision in this SMP and a provision in another part of the LMC, the requirement that provides the most protection to the shoreline management area shall be applied.

<sup>3</sup> Not Applicable. Land-based standards do not apply in the Aquatic environment because only water dependent structures and development, such as docks, are allowed. Height of all structures shall be the minimum necessary for the proposed water dependent use.

<sup>4</sup> Activities and improvements associated with ecological restoration or interpretation, water-oriented uses, and public access are not required to meet the minimum setback. However, where such development can be approved within the minimum setback, the placement of structures and hard surfaces shall be limited to the minimum necessary for

the successful operation of the use. In no case shall parking be allowed within the minimum setback. Allowed structures include (but are not limited to) upland boathouses, gazebos, viewing platforms and decks.

<sup>5</sup> Partial credit may be given for using pervious pavements for driveways, parking areas, walkways, and patios, based on City review of the specifications for the particular product used. In no case shall the credit be used to develop more than an additional 10% of the lot with the pervious pavement. Please note that impervious surface coverage may be further limited within the setback or buffer pursuant to the development standards in this Chapter.

### 3. Shoreline Setback and Buffer Regulations Administration

- a) The following standards shall apply for all proposals that request a reduction in the standard shoreline setback or buffer identified in Table II:
  - 1) The standard setback or buffer may be reduced down to the minimum setback or buffer identified in Table II for each eligible shoreline environment designation and water body when setback reduction impacts are mitigated using the options provided in Table III to achieve an equal or greater protection of lake or stream ecological functions. Any setback or buffer reduction requests beyond that allowed in Table II shall require a variance. Within the Conservancy and Natural environments, buffer reductions shall only be approved as part of the variance process. Variance approval criteria are described in Section 6.D.
  - 2) At least one (1) water-related action must be undertaken in order to achieve the full reduction allowed.
  - 3) A maximum of ten (10) feet in cumulative reduction may be achieved under Upland Related Actions.
  - 4) All property owners who obtain approval for a setback or buffer reduction must have prepared and agree to adhere to a Shoreline Vegetation Management Plan (SVMP) approved by the Shoreline Administrator and record the final approved setback or buffer and corresponding conditions in a Notice on Title. The Notice on Title shall include a statement regarding the existence of the SVMP and it shall be provided to the Shoreline Administrator.
  - 5) The SVMP shall detail the required restoration of native vegetation. The SVMP shall consist of a mixture of trees, shrubs, and groundcover and be designed to improve shoreline ecological functions. The SVMP shall include appropriate limitations on the use of fertilizer, herbicides and pesticides as needed to protect lake water quality. The SVMP shall be completed by a qualified professional and include a monitoring and maintenance program that shall, at a minimum, include the following:
    - a. The goals and objectives for the mitigation plan;
    - b. A description of how required mitigation sequencing was implemented;
    - c. Mitigation performance standards, including standards for vegetation coverage and survival;
    - d. A monitoring plan that includes annual progress reports submitted to the Shoreline Administrator for a period of no less than two (2) growing seasons nor more than five (5) years sufficient to establish that performance standards have been met as determined by the Shoreline Administrator; and
    - e. A contingency plan.
  - 6) Whenever the Shoreline Administrator determines through progress report review

that mitigation performance standards have not been achieved, the property owner shall be required to institute corrective action, which shall also be subject to further monitoring as provided in this section.

- 7) The Shoreline Administrator may require a cash guarantee or other security in an amount sufficient to guarantee that all required mitigation measures will be completed in a manner that complies with conditions of approval and to guarantee satisfactory workmanship and materials for a period not to exceed five (5) years. The Shoreline Administrator shall establish the conditions of the security according to the nature of the proposed mitigation, maintenance or monitoring and the likelihood and expense of correcting mitigation or maintenance failures.
- 8) All costs associated with the mitigation/monitoring and planning including City expenses, shall be the responsibility of the applicant.
- 9) Impervious surface coverage within the approved lake setback shall be limited to ten percent (10%) within twenty-five (25) feet of the OHWM and twenty percent (20%) within the remaining portion of the applied setback. All development within buffers, including impervious surface, is subject to the requirements for Critical Areas contained in this SMP.

Table III. Shoreline Setback and Buffer Reduction Mechanisms

REDUCTION MECHANISM		REDUCTION ALLOWANCE
Water Related Actions		
1	Removal of an existing bulkhead which is located at, below, or within 5 ft. landward of the shoreline's OHWM and subsequent shoreline restoration to a natural or semi-natural state, including restoration of topography, beach/substrate (lake bottom) composition and stabilization of areas that have been disturbed by the bulkhead removal with native vegetation.	Bulkhead removal on at least 75% of frontage: 15 ft. 50% of frontage: 10 ft. 25% of frontage: 5 ft.
2	Restoration of natural shoreline conditions (e.g. no bulkhead or other unnatural shoreline feature such as upland impervious surfaces or other structural alterations allowed) within 10 ft. of the OHWM, including restoration of native vegetation. This reduction will only be granted if ecological functions would be improved relative to the existing condition.	10 ft.
3	Existing hard structural stabilization at or near the OHWM is removed and new hard structural shoreline stabilization measures are setback from the OHWM between two (2) ft. to four (4) ft. based on feasibility and existing conditions and are sloped a maximum angle of 3 vertical: 1 horizontal to provide dissipation of wave energy and increase the quality or quantity of nearshore shallow-water habitat. See Chapter 6 for stabilization measure types and additional standards. For purposes of this reduction mechanism only, need for the replacement structure is not required to be demonstrated as outlined in Chapter 5, Section (C)(2)(c), Shoreline Stabilization – Replacement and Repair.	5 ft.
4	Soft structural shoreline stabilization measures are installed waterward of the OHWM on a site currently containing only hard stabilization. Measures may include the use of gravels, cobbles, limited use of boulders in conjunction with other measures, and logs, as well as vegetation. The material shall be of a size and placed to remain stable and accommodate alteration from wind and boat-driven waves and shall be graded to a maximum slope of 1 vertical: 4 horizontal	5 ft.
Upland Related Actions		
5	Restoration of native vegetation (and preservation of existing trees and native vegetation) in at least 75% of the reduced (i.e. that portion remaining after reductions are applied) setback area. The remaining 25%	10 ft.

REDUCTION MECHANISM		REDUCTION ALLOWANCE
	of the setback area can be comprised of existing non-invasive, non-native vegetation. Up to 20 ft. of frontage may be used for improved shoreline access. Access areas shall be counted as part of the 25% non-native area and located to avoid areas of greater sensitivity and habitat value.	
6	Restoration of native vegetation (and preservation of existing trees and native vegetation) in at least 25% of the reduced setback area. Up to 20 ft. of frontage may be used for improved shoreline access. Access areas shall be counted as part of the 75% non-native area and located to avoid areas of greater sensitivity and habitat value.	5 ft.
7	Installation of biofiltration/infiltration mechanisms such as rain gardens, bioswales, created and/or enhanced wetlands, infiltration facilities, ponds, or other approved LID BMPs that treat the majority of surface water run-off from a site and meet or exceed adopted stormwater requirements. (Note: stormwater ponds serving more than one property should be located outside of shoreline jurisdiction if feasible and in accordance with mitigation sequencing).	5 ft.
8	Installation of at least 500 sq. ft. of "green" roof in accordance with the standards of the LEED Green Building Rating System.	5 ft.
9	Installation of a minimum of 1,000 sq. ft. of pervious material for driveway, parking, patio and/or road construction.	5 ft.
10	Preserving or restoring at least 20% of the total lot area outside of the setback or buffer area as native vegetation. No more than 20% of the total lot area can be lawn.	5 ft.

## D. Specific Shoreline Use Policies and Regulations

### I. Aquaculture

Aquaculture is the culture or farming of fish, shellfish, or other aquatic plants and animals. This activity is of statewide interest. Aquaculture is dependent on the use of the water area. When consistent with control of pollution and prevention of damage to the environment, it is a preferred use of the water area. The technology associated with some forms of aquaculture is still in its formative stages and experimental. Thus, this SMP recognizes the necessity of some latitude in the development of this use.

#### a) Policies

- 1) Aquaculture should not be permitted in areas where it would result in a net loss of ecological functions or significantly conflict with navigation and other water-dependent uses.
- 2) Aquaculture facilities should be designed and located to prevent the spread of disease to native aquatic life, significant ecological impacts caused by new nonnative

species, or significant impacts on the shorelines' aesthetic qualities.

## b) Regulations

- 1) Aquaculture development shall conform to applicable state and federal policies and regulations, provided they are consistent with the SMA and this SMP to ensure no net loss of ecological function.
- 2) The applicant shall demonstrate that the proposed facility meets the requirements of Policy 2 above.
- 3) Impacts to ecological functions shall be mitigated in accordance with the sequence described in Chapter 3, Section 4(C)3.

## 2. Boating Facilities

### a) Applicability

Boating facilities, including community piers, public or community boat launches and marinas, shall be subject to the policies and regulations of this Section and those for specific types of facilities in Chapter 5, Section C(5). Boating facilities as defined in this SMP do not apply to residential moorage facilities serving four (4) or fewer single-family residences. Policies and regulations for all overwater structures and moorage facilities, including those serving four (4) or fewer single-family residences, are addressed in Chapter 5, Section C(5). Accessory uses found in boating facilities may include fuel docks and storage, boating equipment sales and rental, wash-down facilities, fish cleaning stations, repair services, public launching, bait and tackle shops, potable water, waste disposal, administration, parking, groceries, restrooms and dry goods.

### b) Policies

- 1) Boating facilities should be located and designed to ensure no net loss of ecological functions or other significant adverse impacts, and, where feasible, enhance degraded and/or scarce shoreline features.
- 2) Boating facilities should not unduly obstruct navigable waters and should consider adverse effects to recreational opportunities such as fishing, pleasure boating, swimming, beach walking, picnicking, and shoreline viewing.
- 3) Boating facilities should be located in areas of low biological productivity as documented in a report prepared by a qualified professional at time of application.
- 4) Boating facilities should be located and designed so their structures and operations will be aesthetically compatible with the neighboring area and will not unreasonably impair shoreline views. However, the need to protect and restore functions and to provide for water-dependent uses carries higher priority than the protection of views.
- 5) Limits should be put on the size of community docks to address the potential for impacts on neighboring properties.
- 6) Accessory uses at boating facilities should be limited to water-oriented uses, or uses that provide physical and/or visual shoreline access for substantial numbers of the general public. Non-water-dependent accessory uses should be located outside of shoreline jurisdiction or outside of the shoreline setback.



## c) Regulations

### 1) Location Standards.

- a. New boating facilities shall not be permitted in areas where dredging will be required or where impacts to shoreline ecological functions and processes cannot be mitigated.
- b. New boating facilities shall not significantly affect the rights of navigation on the water of the state.
- c. Boating facilities shall not be located where their development would reduce the quantity or quality of critical fish and wildlife habitat areas as defined in LMC Section 14.154.020 (Critical Areas and Natural Resource Lands Regulations, Ordinance No.362 3(part), 2004) or where significant ecological impacts would occur.
- d. Boating facilities shall be located and designed with the minimum necessary shoreline stabilization to protect facilities, users, and watercraft from floods or destructive storms.
- e. Boating facilities shall not be located where it would be incompatible with the need to protect the public health, safety, and welfare.
- f. Boating facilities shall be located only where adequate utility services are available, or where they can be provided concurrent with the development.

### 2) Facility Design.

- a. All boating facilities shall be designed to avoid and minimize impacts. All unavoidable impacts must be mitigated.
- b. All boating facilities shall be the minimum size necessary to accommodate the anticipated demand. Specifically, the amount of overwater cover, the size, and number of in-water structures, the waterward length of the facility, and the extent of any necessary associated shoreline stabilization or modification shall be minimized. Boating facilities shall meet all applicable Shoreline Modification regulations in Chapter 5. Community and public moorage facilities shall meet the size and usage requirements established in Chapter 5, Section C(5).

### 3) Site Design and Operation.

- a. Boating facilities shall be designed so that lawfully existing or planned public shoreline access is not blocked, obstructed, nor made dangerous.
- b. Boating facilities shall provide physical and/or visual public or community access for as many water-oriented recreational uses as possible, commensurate with the scale of the proposal, including, but not limited to, physical and visual access to waterbodies, public piers or fishing platforms.
- c. Upland boat storage may be allowed within shoreline jurisdiction in the Urban Park and Shoreline Residential environments, provided impervious surface limitations and other standards are met, mitigation sequencing is followed and

impacts can be mitigated to achieve no net loss.

- d. Accessory uses at boating facilities shall be located outside of shoreline jurisdiction where feasible and shall be limited to water-oriented uses or uses that support physical or visual shoreline access for substantial numbers of the general public. Accessory development may include, but is not limited to, parking, non-hazardous waste storage and treatment, stormwater management facilities, and utilities where necessary to support the water-oriented use.
  - e. The applicant shall comply with all state agency policies and regulations, including all applicable health, safety, and welfare requirements associated with the primary or accessory use.
  - f. The streets serving the proposed facility must handle the traffic generated by such a facility safely and conveniently.
  - g. The facility must be limited to day moorage only. No live-aboards or floating homes are allowed.
  - h. Covered moorage is allowed only in the Shoreline Residential environment by a CUP. Boat lift canopies are a permitted use in the Shoreline Residential environment. See Chapter 5, Section (C)(5)(d)(8) and (9) for applicable standards.
  - i. The perimeter of parking, upland boat storage, and other storage areas shall be landscaped to provide a visual and noise buffer between adjoining dissimilar uses or scenic areas.
  - j. All facilities must have provisions available for cleanup of accidental contaminants and spills
  - k. Public access shall be required, pursuant to the requirements and exemptions in the Public Access regulations contained in Chapter 3.
- 4) Boat Launch.
- a. Location Standards - Boat launches shall be sited so that they do not significantly damage fish and wildlife habitats and shall not occur in areas with native emergent vegetation. Native upland vegetation removal shall be minimized to the greatest extent feasible. All facilities shall be sited and designed per required mitigation sequencing.
  - b. Public launch ramps shall be located only on stable shorelines where feasible and where water depths are adequate to eliminate or minimize the need for dredging, filling, beach enhancement, or other maintenance activities.
  - c. The design shall comply with all regulations as stipulated by state and federal agencies, affected tribes, or other agencies with jurisdiction.
  - d. The applicant shall demonstrate that the proposed length of a boat launch is the minimum necessary to launch the intended craft safely. In no case shall the ramp extend beyond the point where the water depth is eight (8) feet below the OHWM, unless the Shoreline Administrator determines that a greater depth is needed for a public boat launch facility.

- e. Design Standards.
  - i. Boat launches for non-motorized boats shall be constructed of gravel or other similar natural material.
  - ii. Preferred launch ramp designs for motorized boats, in order of priority, are:
    - a. Open grid designs with minimum coverage of lake substrate.
    - b. Seasonal ramps that can be removed and stored upland.
    - c. Structures with segmented pads and flexible connections that leave space for natural beach substrate and can adapt to changes in shoreline profile.
    - d. Standard concrete pads.

### 3. Commercial Development

#### a) Applicability

Commercial development means those uses that are involved in wholesale, retail, service, and business trade. Uses and activities associated with commercial development that are identified as separate uses in this program include Agriculture, Aquaculture, Mining, Industry, Boating Facilities, Transportation Facilities, and Utilities. Piers and docks, bulkheads, shoreline stabilization, flood protection, and other shoreline modifications are sometimes associated with commercial development and are subject to those shoreline modification regulations in Chapter 5 in addition to the standards for commercial development established herein.

#### b) Policies

- 1) Commercial development should be limited in the shoreline area based on the residential and recreational nature of the existing shoreline.
- 2) Water-oriented commercial developments should be preferred over non-water-oriented commercial uses.
- 3) Commercial developments should be encouraged to incorporate LID BMPs where feasible into new and existing projects.

#### c) Regulations

- 1) New commercial uses shall be prohibited within all shoreline areas except where the underlying zoning permits such uses, and one or more of the criteria identified below are met:
  - a. The use is water-oriented;
  - b. The use is an accessory use to a permitted recreational use or facility within the Urban Park or Conservancy environment. Examples include, but are not limited to:
    - i. Concession stands in City Parks,
    - ii. Booths associated with festivals sponsored by the City, and private parties or receptions and banquets, and

- iii. Boat rentals.
  - c. The use is a home occupation within the Shoreline Residential environment provided they meet the requirements of LMC Sections 18A.70.200 and 18A.70.250 pertaining to Home Occupations.
  - d. The site is physically separated from the shoreline by another property or public right of way.
  - e. The use is part of a mixed-use project that includes water-dependent uses and provides a significant public benefit with respect to the SMA's objectives, such as providing public access and ecological restoration.
  - f. Navigability is severely limited at the proposed site, and the proposed commercial use provides significant public benefit with respect to the SMA's objectives, such as providing public access and ecological restoration; or
  - g. The use is non-water oriented and replaces an existing non-water oriented use in an existing commercial building. For purposes of this regulation, replace means the footprint and general intensity of the commercial uses are the same.
- 2) Water oriented uses shall incorporate design and operational elements that clearly demonstrate that they meet the definition of water dependent, water related or water oriented uses.
  - 3) Commercial uses shall provide public access as required in Chapter 3, Section B(5) and ecological restoration where feasible and shall not negatively impact existing navigation, recreation or public access.
  - 4) All commercial loading and service areas shall be located or screened to minimize adverse impacts, including visual impacts, to the shoreline environment.
  - 5) LID BMPs shall be incorporated into new development where feasible, pursuant to the City's adopted Surface Water Design Manual and the most recent edition of the Low Impact Development Technical Guidance Manual for Puget Sound.
  - 6) Commercial development and accessory uses must conform to the setback and height standards established in Table II.

## 4. Parking

### a) Applicability

Parking is the temporary storage of automobiles or other motorized and non-motorized vehicles. The following provisions apply only to parking that is accessory to a permitted shoreline use. Parking as a primary use and parking which serves a use not permitted in shoreline jurisdiction is prohibited.

### b) Policies

- 1) Parking in shoreline areas should be minimized
- 2) Parking facilities in shoreline areas should be located and designed to minimize adverse impacts including impacts related to stormwater runoff, water quality, visual

qualities, public access, and vegetation and habitat maintenance, and to result in no loss of ecological functions.

- 3) Parking in shoreline areas should not restrict access to the site by necessary public safety vehicles, utility vehicles, or other vehicles requiring access to shoreline properties.

#### c) Regulations

- 1) Parking as a primary use is prohibited in shoreline jurisdiction.
- 2) Parking in shoreline areas must directly serve a permitted shoreline use.
- 3) Parking facilities shall provide adequate provisions to control surface water runoff to prevent it from contaminating water bodies.
- 4) Parking facilities serving individual buildings on the shoreline shall be located landward from the principal building being served, except when the parking facility is within or beneath the structure and adequately screened or in cases when an alternate orientation would have less adverse impact on the shoreline.
- 5) Exterior parking facilities shall be designed and landscaped to minimize adverse impacts upon adjacent shoreline and abutting properties. Exterior parking facilities for nonresidential uses shall be landscaped to provide an effective “full-screen” within three (3) years of project completion when viewed from adjacent areas within shoreline jurisdiction.
- 6) New and reconstructed parking areas within the Urban Park shoreline environment designation shall utilize LID BMPs where feasible in accordance with the City’s adopted Surface Water Design Manual and the most recent edition of the Low Impact Development Technical Guidance Manual for Puget Sound.

## 5. Recreational Development

### a) Applicability

Recreational uses include passive activities, such as walking, viewing, and fishing. Recreational development also includes facilities for active uses, such as swimming, boating, and other outdoor recreation uses. This section applies to both public and private shoreline recreational facilities (excluding private residences). Commercial shoreline recreational facilities must also meet the requirements for Commercial Development.

### b) Policies

- 1) Primary recreational uses in the shoreline jurisdiction should be limited to water-oriented uses. Non- water-oriented recreational facilities may be allowed as an accessory use and in limited circumstances where they do not displace water oriented uses, for example, where visual access is incorporated if feasible and physical access is not possible.
- 2) The coordination of local, state, and federal recreation planning should be encouraged. Shoreline recreational developments should be consistent with the City’s Comprehensive Park and Recreation Plan.
- 3) Recreational developments should be designed to preserve, enhance, or create scenic

views and vistas.

- 4) The use of publicly owned lands for public access and development of recreational opportunities should be encouraged.
- 5) Priority for land acquisition should be given to open space that provides wildlife habitat and offers opportunities for education and interpretation.
- 6) Shoreline areas with a potential for providing recreation or public access opportunities should be identified and acquired by lease or purchase, or through partnerships with nonprofit and service organizations, and incorporated into the park and open space system.
- 7) Links between existing and future shoreline parks, recreation areas, and public access points should be created with a non-motorized trail system using existing rights-of-way or through acquisition of easements and/or land.
- 8) Recreational activities should be designed to avoid conflict with private property rights, and to minimize and mitigate negative impacts on adjoining property.
- 9) Public access should not contribute to a net loss of shoreline ecological functions.

#### c) Regulations

- 1) All structures associated with a recreational use, except water dependent structures, such as docks and boardwalks and limited water enjoyment structures such as open viewing platforms and benches, shall maintain a standard setback from the OHWM per Table II. However, existing structures may be replaced in their current location and configuration to the extent allowed by the Nonconforming Development provisions of Chapter 6, Section F, and state and federal agencies with jurisdiction. Any further setback reduction shall require approval of a setback reduction pursuant to Table II in this Chapter or a shoreline variance.
- 2) Private and public recreation areas shall protect existing native vegetation in the shoreline area and restore vegetation impacted by development activities. Recreational use and development shall result in no net loss of shoreline ecological functions. Mitigation shall be provided as necessary to meet this requirement. Failure to meet this standard will result in permit denial. The City may request necessary studies by qualified professionals to determine compliance with this standard.
- 3) Water-dependent or water-related activities such as swimming, boating, and fishing, and activities that benefit from waterfront scenery, such as picnicking, hiking and bicycling, shall be emphasized in planning public and private (excluding residential) noncommercial recreation sites in shoreline areas.
- 4) All recreational developments shall make adequate provisions for:
  - a. Non-motorized and pedestrian access;
  - b. The prevention of trespass onto adjacent properties, including, but not limited to, landscaping and fencing;
  - c. Protection and restoration of environmentally sensitive areas and shoreline processes and functions;

- d. Signs indicating the public's right of access to shoreline areas, installed and maintained in conspicuous locations at the point of access and the entrance; and
  - e. Buffering of such development from adjacent private property or natural areas.
- 5) In approving shoreline recreational developments, the City shall ensure that the development will maintain, enhance, or restore desirable shoreline features.
  - 6) Swimming areas shall be separated from boat launch areas.
  - 7) The construction of swimming facilities, piers, moorages, floats, and launching facilities waterward of the OHWM shall be governed by the regulations relating to overwater structure construction in the Shoreline Modifications Section of this SMP.
  - 8) Fragile and unique shoreline areas with valuable ecological functions, such as wildlife habitats, shall be used only for non-intensive recreation activities that do not involve the construction of structures.
  - 9) Recreation developments such as golf courses and playfields that require periodic use of fertilizers, pesticides or other chemicals, or that support high-intensity activities as a primary use, such as sporting events, shall be located outside of shoreline jurisdiction.
  - 10) Proposals for new or expanded recreational development shall include provisions for public access to the shoreline, subject to the requirements and exemptions contained in Chapter 3, Subsection B(5)(c).

## **6. Residential Development**

### **a) Applicability**

Residential development means construction of one or more buildings or structures, or subdivision of land to provide a place of abode for human beings. Such development includes multi-family and single-family dwellings together with accessory uses and structures normally applicable to residential uses located landward of the OHWM, including, but not limited to, swimming pools, garages, sheds, decks, patios and fences.

Residential development is preferred use under this SMP and is allowed where it can be accommodated without significant shoreline impacts. Residential development is prohibited in the Aquatic environment, and single-family residential development is a conditional use in the Natural, Urban Park, and Conservancy environments. Single-family and multi-family development is further limited by the underlying zoning.

### **b) Policies**

- 1) Residential development should be permitted only where there are adequate provisions for utilities, circulation, and access.
- 2) New development should provide adequate setbacks and natural buffers from the water and ample open space among structures to protect natural features, preserve views and minimize use conflicts.
- 3) The City should provide development incentives, including reduced shoreline setbacks, to encourage the protection, enhancement, and restoration of high functioning buffers and natural or semi-natural shorelines.



- 4) Residential development should be designed to preserve shoreline aesthetic characteristics, views, and minimize physical impacts to shoreline ecological functions.
- 5) Residential development should be designed to preserve existing shoreline vegetation, control erosion, protect water quality, and utilize LID BMPs where feasible.
- 6) The City should encourage the use of joint-use piers and docks in lieu of individual piers and docks for each waterfront lot to protect the ecological functions of the lake.
- 7) The City should encourage the use of alternative paving products for walkways, driveways, and patios, such as pervious pavers, as a mechanism for reducing impervious surfaces and surface water runoff.
- 8) At a minimum, development should achieve no net loss of ecological functions necessary to sustain shoreline natural resources, even for exempt development.

#### c) Regulations

- 1) Residential development is a preferred use where it can be accommodated without significant impacts to the shoreline and shall be permitted in shoreline jurisdiction subject to the policies and regulations for the specific shoreline environment designation (see Chapter 4, Table II), underlying zoning regulations, and the general regulations in Chapter 3 of this SMP.
- 2) Structures or other development accessory to residential uses are permitted in shoreline jurisdiction, if allowed under all other applicable standards in this SMP and subject to the provisions of the City's zoning code.
- 3) All additions to residential structures must comply with all standards in this SMP, including required shoreline setbacks established in Chapter 4, Table II.
- 4) Nonconforming residential structures that are repaired, modified, replaced or enlarged are subject to the requirements in Chapter 6, Section F(2) (Administration - Nonconforming Use and Development Standards).
- 5) Accessory uses and appurtenant structures not specifically addressed in the SMP shall be subject to the same regulations as primary residences, including setbacks, with the exception of water-oriented accessory structures that comply with the impervious surface limits identified in Table II of this Chapter. Water-oriented structures allowed in the setback include, but are not limited to, boathouses, gazebos, viewing platforms and decks.
- 6) In order to maintain visual access to the waterfront, all fences except those located next to creeks shall be set back a minimum of fifteen (15) feet from the OHWM. Fences located next to creeks must be placed above the creek's flood limit level.
- 7) To protect views and vistas maximum height limits have been established for each shoreline environment designation as indicated in Chapter 4, Table II.
- 8) The stormwater runoff for all new or expanded pavements or other impervious

surfaces shall be directed to infiltration systems and other LID BMPs shall be incorporated into new development where feasible, in accordance with the City's adopted Surface Water Design Manual and the most recent edition of the Low Impact Development Technical Guidance Manual for Puget Sound.

- 9) LID stormwater facilities, such as swales and infiltration areas, may be located within the required shoreline setback area at the discretion of the Shoreline Administrator if no mature trees are removed.
- 10) Residential development, including land subdivision, shall result in no net loss of shoreline ecological functions. This includes meeting the no net loss standard at full build out of a subdivision or other development. Mitigation shall be provided as necessary to meet this requirement. Failure to meet this standard will result in permit denial. The City may request necessary studies by qualified professionals to determine compliance with this standard.
- 11) For the purposes of this section and WAC 173-27-040(2)(g), the following shall be considered a "normal appurtenance" to a single-family residence. Not all normal appurtenances are considered water oriented:
  - a. Garages
  - b. Decks
  - c. Driveways and parking areas
  - d. Utilities
  - e. Fences
  - f. Landscaping
  - g. Pathways, walkways and stairways
  - h. Swimming pool and spa
  - i. Flagpole
  - j. Shed up to two hundred (200) square feet
  - k. Children's play equipment
  - l. Fire Pit
  - m. Sports court
  - n. Installation of a septic tank, drain field and grading which does not exceed two hundred fifty (250) cubic yards and which does not involve the placement of fill in any wetland or waterward of the OHWM (when permitted by Tacoma Pierce County Health Department, Pierce County Sewer Utility, and City policies and regulations).

## 7. Signs

### a) Policies

- 1) Signs should be designed and placed so that they are compatible with the aesthetic quality of the existing shoreline and adjacent water and land uses.
- 2) Signs should not block or otherwise interfere with visual access to the water or shorelines.

### b) **Regulations:**

- 1) Signs shall comply with the City's sign regulations.
- 2) All signs shall be located and designed to minimize interference with vistas, viewpoints, and visual access to the shoreline.

- 3) The following types of signs may be allowed in all shoreline environment designations:
  - a. Water navigational signs and highway signs necessary for operation, safety, and direction.
  - b. Public information signs directly relating to a shoreline use or activity.
  - c. Off-premise, freestanding signs for community identification, information, or directional purposes.
  - d. Site and institutional flags or temporary decorations customary for special holidays and similar events of a public nature.

## 8. Trails

### a) Applicability

Trails serve as both recreational facilities and transportation facilities. Trails are classified into two types: minor trails and major trails. Major trails are paved and they allow for simultaneous use by both pedestrians and bicycles. Major trails also frequently provide connections between local points of interest and a larger regional access network. Due to their use of pavement and the necessity of complying with ADA design requirements, major trails are generally not appropriate for locations with steep terrain or environmentally sensitive areas. Minor trails, on the other hand, are designed for local access and usually have less improved right-of-way than major trails. Minor trails are typically unpaved and surfaced with either gravel or bare dirt, although they may have sections where pervious pavement is used. Due to their narrow right-of-way, minor trails usually do not support simultaneous use by pedestrians and bicycles.

### b) Policies

- 1) Normal operation and normal maintenance and repair of all trails in shoreline jurisdiction should be exempt from the Substantial Development Permit requirements, subject to the specific provisions identified in Chapter 6 Section C(1).
- 2) Trail location, design, and construction should adhere to mitigation sequencing and no net loss requirements.

### c) Regulations

- 1) Unless approved as a major trail, trails shall be no greater than ten (10) feet in total improved width, which includes eight (8) feet of surface and one (1) foot shoulders. Not including landscaping, no more than eight (8) feet of improved surface is preferable in most cases.
- 2) Major trails shall be the minimum width necessary to accommodate the proposed use safely and in no case shall they be more than eighteen (18) feet in total improved width, which includes fourteen (14) feet of surfaced trail and two (2) foot shoulders.
- 3) Gravel, woodchips, or pervious pavement shall be used for public access within the shoreline management area unless the Shoreline Administrator determines that such use is not in the public interest because of safety, durability, aesthetic, or functionality concerns.
- 4) Trails shall be placed at least twenty-five (25) feet from the OHWM, except for bridges, limited spurs to physical access points and overlooks comprising no more than ten

percent (10%) of the overall lineal length of the proposed trail. The Shoreline Administrator shall use the variance process and criteria for evaluating a proposed reduction in the twenty-five (25) foot setback for trails parallel to the water, which exceed ten percent (10%) of the total linear length of the proposed trail.

- 5) Landscaping shall be native and drought tolerant or site appropriate.
- 6) Enhancement of shoreline functions, including native plantings, shall be incorporated into trail designs as mitigation for development impacts where necessary and where a clear benefit can be demonstrated.
- 7) Trails shall be subject to other specific conditions as described in the applicable trail or parks plan.

## 9. Transportation Facilities

### a) Applicability

Transportation facilities are those structures and developments that aid in land, air, and water surface movement of people, goods, and services. They include roads and highways, bridges, heliports, and other related facilities.

In the City, transportation facilities account for a limited percentage of the shoreline land inventory. However, the impact of these facilities on shorelines can be substantial.

### b) Policies

- 1) Normal operation, and normal maintenance and repair of all transportation facilities in the shoreline jurisdiction should be exempt from Substantial Development Permit requirements, subject to the specific provisions identified in Chapter 6 Section C(1).
- 2) New road construction in the shoreline jurisdiction should be minimized, and such construction outside of the Shoreline Residential environment should be allowed by conditional use only when related to and necessary for the support of permitted shoreline activities.
- 3) Expansion of existing roadways in the shoreline jurisdiction should be allowed if such facilities are found to be in the public interest, as determined jointly by the City Engineer and Shoreline Administrator.
- 4) Joint use of transportation corridors within the shoreline jurisdiction for roads, utilities, and motorized and non-motorized forms of transportation should be encouraged.

### c) Regulations

- 1) New road construction in shoreline jurisdiction shall be minimized and allowed only when related to, and necessary for, the support of permitted shoreline activities or found to be within the public interest.
- 2) New stream crossings associated with transportation uses shall be avoided if possible and minimized in number and total area impacts (e.g. perpendicular crossings). Culverts and bridges shall be designed to allow passage of adult and juvenile salmon pursuant to DFW Fish Passage Guidelines and accommodate the flow of water, sediment, and woody debris during the 100-year return storm event. Bridge

abutments shall be located outside of floodplains and CMZs if feasible.

- 3) Transportation facility development shall result in no net loss of shoreline ecological functions and shall not affect existing or planned water dependent uses. Mitigation shall be provided as necessary to meet this requirement. Failure to meet this standard will result in permit denial.
- 4) New roads and expansion of existing roadways within the shoreline jurisdiction shall be allowed only when the proponent demonstrates that:
  - a. No alternative route is feasible; and
  - b. The roadway is constructed and maintained to cause the least possible adverse impact on the land and water environment.
- 5) Transportation and primary utility facilities shall be required to make joint use of rights-of-way, and to consolidate crossings of water bodies to minimize adverse impacts to the shoreline.
- 6) Developers of roads must be able to demonstrate that efforts have been made to coordinate with existing land use plans including the SMP and the City's Comprehensive Plan.
- 7) All debris and other waste materials from roadway construction shall be disposed of in such a way as to prevent their entry into any water body.
- 8) Road designs must provide safe pedestrian and non-motorized vehicular crossings where public access to shorelines is intended.
- 9) Streets within shoreline jurisdiction shall be designed with the minimum pavement area required. Gravel and more innovative materials shall be used where feasible for pathways and road shoulders to minimize the amount of impermeable surfaces and help to maintain a more natural appearance.
- 10) The City shall give preference to mechanical means for roadside brush control on roads in shoreline jurisdiction rather than the use of herbicides.

## 10. Utilities (Primary)

### a) Applicability

Utilities are services and facilities that produce, transmit, store, process, or dispose of electric power, gas, water, sewage, communications and the like. Utilities in this SMP are divided into primary and secondary based on type and scale. The provisions of this section apply to primary utility uses and activities such as solid waste handling and disposal, regional water transmission lines and storage facilities, sewage treatment facilities and interceptors, water or sewer pump stations, power generating or high voltage transmission facilities, gas pipelines and storage facilities and regional stormwater treatment facilities.

### b) Policies

- 1) New primary utilities should be located outside of shoreline jurisdiction unless they are water oriented, no other feasible option exists, and should utilize existing transportation and utility sites, rights-of-way and corridors where allowed, rather than

creating new corridors. Joint use of rights-of-way and corridors should be encouraged.

- 2) Solid waste disposal activities and facilities should be prohibited in shoreline areas.
- 3) Primary utilities should avoid locating in environmentally sensitive areas unless no feasible alternatives exist.
- 4) Primary utility facilities and corridors should be located to protect scenic views if they must be placed in a shoreline area, preferably underground or designed to minimize impacts on the aesthetic qualities of the shoreline area if possible.

#### c) Regulations

- 1) Primary utilities shall be located outside of SMA jurisdiction unless no other feasible option exists.
- 2) Primary utilities shall be located landward of OHWM unless such location is not feasible or would result in potentially greater environmental impacts.
- 3) Primary utility facilities shall avoid disturbance of unique and fragile areas, as well as wildlife spawning, nesting and rearing areas. Utility facility design, location, development, and maintenance shall result in no net loss of shoreline ecological functions. Mitigation shall be provided as necessary to meet this requirement. Failure to meet this standard will result in permit denial.
- 4) Through coordination with local government agencies, utility development shall provide for compatible, multiple uses of sites and rights-of-way. Such uses include shoreline access points, trail systems and other forms of recreation and transportation, providing such uses will not unduly interfere with utility operations, endanger public health and safety, or create a significant and disproportionate liability for the owner.
- 5) Utility lines shall utilize existing rights-of-way, corridors, and/or bridge crossings whenever possible and shall avoid duplication and construction of new corridors in all shoreline areas. Proposals for new corridors or water crossings must fully substantiate the infeasibility of existing routes.
- 6) Solid waste disposal sites and facilities are prohibited in all shoreline environment designations.
- 7) Where major facilities must be placed in a shoreline area, the location and design shall be chosen so as not to destroy or obstruct scenic views.
- 8) To the greatest extent feasible, primary utility development shall provide screening of facilities from water bodies and adjacent properties. Screening, including landscaping and fencing, shall be designed to constitute a dense "full screen," where feasible.
- 9) Clearing of vegetation for the installation or maintenance of utilities shall be kept to a minimum and, upon project completion; any disturbed areas shall be restored to their pre-project condition.
- 10) The City shall hold public meetings prior to the issuance of a substantial development permit for a major primary utility project in accordance with the administrative

procedures outlined in this SMP to allow for the greatest amount of public input to help guide utility-related decisions.

## 11. Utilities (Secondary)

### a) Applicability

Secondary utilities are typically distribution services connected directly to the uses along the shoreline. For example, power distribution, telephone, cable, water mains and distribution lines, sewer collectors and side sewer stubs, stormwater collection and conveyance, are all considered as utilities accessory to shoreline uses. They are covered in this section because they concern all types of development and have the potential of affecting the ecological condition and visual quality of the shoreline and its waters. On-site accessory utilities that only serve the permitted shoreline use (e.g. sewer connection) are considered part of the primary use. The Shoreline Administrator shall have the authority to determine when a facility is a Primary or Secondary Utility based on the guidance provided in the SMP.

### b) Policies

- 1) Utilities necessary to serve shoreline uses should be properly sited and installed to protect the shoreline and water from contamination and degradation.
- 2) Secondary utility facilities and right-of-ways should be located outside of the shoreline area to the extent possible. Utility lines should be placed underground if possible when a shoreline location is required.
- 3) Utility facilities should be designed and located in a manner, which preserves the natural landscape and shoreline ecology, and minimizes conflicts with present and planned land uses.

### c) Regulations

- 1) Through coordination with local government agencies, utility developments shall provide for compatible multiple uses of sites and rights-of-way. Such uses include shoreline access points, trail systems, and other forms of recreation and transportation, providing such uses will not unduly interfere with utility operations, or endanger public health and safety.
- 2) In shoreline areas, secondary utilities shall be placed underground unless demonstrated to be infeasible. Further, such lines shall utilize existing rights-of-way and existing corridors whenever possible.
- 3) Utility facilities shall be located and designed to avoid destruction of, or damage to, important wildlife areas, and other unique and fragile areas. Utility facility development shall result in no net loss of shoreline ecological functions. Mitigation shall be provided as necessary to meet this requirement. Failure to meet this standard will result in permit denial.
- 4) Clearing for the installation or maintenance of utilities shall be kept to a minimum, and upon project completion, any disturbed area shall be restored, to the greatest extent feasible, to pre-project conditions, including replanting with native species, or other species as approved by the Shoreline Administrator, and maintenance care. If the previous condition is identified as being undesirable for shoreline function, then landscaping and other improvements shall be undertaken.



- 5) The location and construction of outfalls shall comply with all appropriate federal, state, county and city regulations.
- 6) The City shall maintain, enhance, and restore public natural drainage systems in accordance with all applicable policies and regulations to protect water quality, reduce flooding, reduce public costs, and prevent associated environmental degradation for a no net loss of shoreline ecological functions.
- 7) New utility lines including electricity, communications, and fuel lines shall be located underground, where feasible. Existing above ground lines shall be moved underground when properties are redeveloped or in conjunction with major system upgrades or replacements where feasible.
- 8) Utility development shall include public access to the shoreline, trail systems, and other forms of recreation, providing such uses will not unduly interfere with utility operations, endanger the public health, safety, and welfare, or create a significant and disproportionate liability for the owner.
- 9) Proposals for new utility corridors shall demonstrate the infeasibility of existing routes.

**16.10.050**  
**Chapter 5**

**Shoreline Modification Provisions**

**A. Introduction and Applicability**

Shoreline modifications are those structures and actions that modify the physical configuration or qualities of the shoreline area, particularly at the point where land and water meet. Shoreline modifications include, but are not limited to, structures such as bulkheads, docks, piers, and floats, and actions such as clearing, grading and dredging. Shoreline modifications are, by definition, undertaken in support of or in preparation for a permitted shoreline use. A single use may require several different shoreline modifications.

Shoreline modification policies and regulations are intended to assure, at a minimum, no net loss of ecological functions necessary to sustain shoreline natural resources and to prevent, reduce and mitigate the negative environmental impacts of proposed shoreline modifications consistent with the goals of the SMA. A proposed development must meet all of the regulations for both applicable uses and activities as well as the general and environment designation regulations.

This chapter has been divided into four sections: Shoreline Stabilization, Dredging and Disposal, Fill, and Overwater Structures and Launching Facilities.

**B. Table of Permitted Shoreline Modifications**

The shoreline modification table below determines whether a specific shoreline modification is allowed within each of the shoreline environment designations. See the standards following the table for a full explanation of structures and actions and required conditions.

Table IV. Permitted Shoreline Modifications

**P** = Permitted Use  
**C** = May be Permitted as a Conditional Use  
**X** = Prohibited, Not Eligible for a Variance or CUP  
**N/A** = Not Applicable

**SHORELINE MODIFICATIONS**

	Shoreline Residential	Urban - Stream Protection	Urban Park	Conservancy	Natural	Aquatic	
<b>SHORELINE STABILIZATION</b>							
Beach Restoration and Enhancement	P	X	P	X	C	See adjacent upland shoreline environment designation	
Soil Bio-engineering	P	P	P	P	P		
Structural Stabilization	P	X	C	X	X		
Breakwaters, Jetties, and Groins	X	X	X	X	X		
Clearing and Grading	P	P <sup>1</sup>	P <sup>1</sup>	P <sup>1</sup>	C <sup>1</sup>		
Dredging and Disposal	X	X	X	X	X		
Dredging <sup>2</sup>	C	C	C	C	C		
<b>FILL</b>							
Fill Upland of OHWM	P	P <sup>1</sup>	P <sup>1</sup>	C <sup>1</sup>	X		
Fill Waterward of OHWM <sup>2</sup>	C	C	C	X	C		
<b>OVERWATER AND IN-WATER STRUCTURES<sup>4</sup></b>							
Recreational Float	P	X	P	X	X		
Overwater Boathouse <sup>3</sup>	X	X	X	X	X		
Single / Joint Pier and Dock	P	X	P	X	X		
Moorage Piles and Mooring Buoys	P	X	P	X	X		
Private Community Dock	P	X	P	X	X		
Public Pier/Dock	C	X	P	X	X		
Boat Launch	C	X	C	X	X		
Launching Rails	C	X	X	X	X		
Boat Lifts	P	X	X	X	X		
Boat Lift Canopies	P	X	X	X	X		
Moorage Covers (Open Sides, Structural Roof)	C	X	X	X	X		
In-Stream Structures (e.g. Dams and Weirs)	C	C	C	C	C		

<sup>1</sup> The critical area provisions of LMC Title 14 as incorporated into this SMP shall apply within designated critical areas and buffers (such as streams and wetlands). Critical area requirements may further restrict this activity and other development activities in portions of the shoreline management area. Please see LMC Title 14 and Chapter 3, Section (B)(3) for more information.

<sup>2</sup> Dredging and fill waterward of the OHWM occur in the Aquatic shoreline environment designation by definition, but are regulated based on the adjacent upland shoreline environment designation. In the shoreline environment designations where they are allowed, fill waterward of the OHWM and dredging are only permitted in limited situations. See Chapter 5, Section C(3) and (4) for additional restrictions and requirements. Small scale beach restoration utilizing up to or less than twenty-five (25) cubic yards of material is permitted waterward of the OHWM without a CUP. See Chapter 5, Section C(4)(c)(2).

<sup>3</sup> Boathouses landward of the OHWM no greater than twelve (12) feet in height are allowed in shoreline setbacks subject to impervious surface limits and other restrictions in this SMP.

<sup>4</sup> See permit requirements and exemptions per Section C.5 (b) of Chapter 5 and Chapter 6.

## C. Policies and Regulations

### 1. General Policies and Regulations

#### a) Applicability

The following provisions apply to all shoreline modifications whether such proposal addresses a single property or multiple properties. Additional requirements as contained in other Chapters of this SMP apply. Where a general standard, environmental standard or use standard conflicts with the provisions contained in this chapter, the more restrictive shall apply.

#### b) Policies

- 1) The adverse effects of shoreline modifications should be reduced, as much as possible, and shoreline modifications should be limited in number and extent.
- 2) The Shoreline Administrator should take steps to assure that shoreline modifications individually and cumulatively do not result in a net loss of ecological function by preventing unnecessary shoreline modifications by giving preference to those types of shoreline modifications that have a lesser impact on ecological functions, and by requiring mitigation of identified impacts resulting from shoreline modifications.

#### c) Regulations

- 1) All shoreline modifications must be in support of an authorized shoreline use or provide for human health and safety.
- 2) All shoreline development shall be located and designed to prevent or minimize the need for shoreline modifications.
- 3) In reviewing shoreline modification permits, the Shoreline Administrator shall require steps to avoid then reduce significant ecological impacts according to the mitigation sequence in Chapter 3, Section B.4.C.3.
- 4) The Shoreline Administrator shall base all shoreline modification decisions on available scientific and technical information and a comprehensive analysis of site-specific conditions provided by the applicant, as stated in WAC 173-26-231.

### 2. Shoreline Stabilization (Including Bulkheads)

#### a) Applicability

Shoreline stabilization includes structures and actions taken to address erosion impacts caused by natural processes, such as currents, floods, and waves. Examples of stabilization methods include beach restoration and enhancement, soil bioengineering, and bulkheads. "Hard" structural stabilization measures refer to those with solid, hard surfaces, such as concrete or boulder bulkheads, while "soft" structural measures rely on less rigid materials, such as anchored logs, limited rock placement in conjunction with other components, bioengineered vegetation measures, and beach enhancement. Nonstructural methods include building setbacks, relocation of the structure to be protected, ground water management, and planning and regulatory measures.

Generally, the harder the construction measure, the greater the impact on shoreline processes, such as sediment transport, geomorphology, and biological functions. The means taken to reduce damage caused by erosion, accretion, and flooding must recognize and

promote the benefits of these natural occurrences. Erosion does not occur without accretion (deposition and accumulation) of material eroded, such as formation of a beach or a sandbar. Likewise, accretion cannot occur unless material has been eroded.

A key regulatory distinction in this SMP is made between new stabilization measures and the replacement of existing stabilization measures. New stabilization measures include the enlargement of existing structures. Some of these techniques are currently being used in City as described below, or they are techniques that could be used to address local shoreline issues.

General policies and regulations addressing shoreline stabilization methods are presented below, followed by discussion, policies and regulations of the individual stabilization methods.

### Beach Restoration or Enhancement

Beach enhancement is the alteration of exposed and submerged shorelines for the purpose of stabilization, recreational enhancement, and/or aquatic habitat creation or restoration using native or similar material. The materials used are dependent on the intended use. For recreational purposes, various grades of clean sand or pea gravel are often used to create a beach above the OHWM. Restoration or re-creation of a shore feature may require a rock and gravel matrix and/or other materials appropriate for the intended use.

### Soil Bioengineering

Soil bioengineering is the practice of using natural vegetative materials to stabilize shorelines and prevent erosion. This may include use of root systems, or other living plant material; fabric; and limited rock toe protection, where appropriate. Soil bioengineering projects often include fisheries habitat enhancement measures, such as anchored logs or root wads, in project design. Soil bioengineering techniques may be applied to shoreline areas and the upland areas away from the immediate shoreline.

The use of soil bioengineering as a shoreline stabilization technique is a viable and proven alternative to riprap, concrete and other structural solutions. It provides habitat while maintaining and preserving the shoreline's natural character. Soil bioengineering is the preferred "best practices" choice when considering shoreline stabilization.

### Bulkheads

Bulkheads are shoreline structures, either sloped or vertical, usually constructed parallel to the shore close to or at the OHWM. The primary purpose is to contain and prevent the loss of soil caused by erosion or wave action.

Bulkheads have historically been constructed of poured-in-place or precast concrete, concrete blocks, steel or aluminum sheet piling, wood or wood and structural steel combinations, and boulders. Bulkheads may be either thin structures penetrating deep into the ground or more massive structures resting on the surface.

Uses and activities related to bulkheads, which are identified as separate use activities in this program, such as Fill and Residential Development, are subject to the regulations for those uses in addition to the standards for bulkheads established in this section.

### Groins

Groins are barrier-type structures of rock, wooden piling, or other materials constructed

across the beach itself and extending into the water with the intent to obstruct sand and sediment carried by the littoral drift action along shorelines. Groins have limited applicability in the City's shoreline jurisdiction because of the relatively small size of the jurisdictional lakes.

## b) Policies

- 1) Shoreline stabilization should be located, designed, and maintained to protect and maintain shoreline ecological functions, ongoing shoreline processes, and the integrity of shoreline features. Ongoing stream or lake processes and the probable effects of proposed shoreline stabilization on other properties and shoreline features should be considered. Shoreline stabilization should not be developed for the purpose of filling shorelines.
- 2) Hard structural shoreline stabilization measures should only be used when softer, more natural, flexible, or non-structural methods such as placing the development farther from the OHWM, planting vegetation, or installing on-site drainage improvements, beach nourishment and bioengineering have been determined infeasible. Alternatives for shoreline stabilization should be based on the following hierarchy of preference:
  - a. No action (allow the shoreline to retreat naturally), increase buffers, and relocate structures.
  - b. Flexible defense works constructed of natural materials including soft shore protection, bioengineering, including beach nourishment, protective berms, or vegetative stabilization.
  - c. Rigid works constructed of artificial materials such as riprap or concrete.
- 3) Structures should be located and designed to avoid the need for future shoreline stabilization where feasible. Land subdivisions should be designed to assure that future development would not require shore stabilization.
- 4) New or expanded structural shoreline stabilization should only be permitted where necessary to protect an existing primary structure or a legally existing shoreline use that is in danger of loss or substantial damage, and where it would not cause a net loss of shoreline ecological functions and processes.
- 5) New or expanded structural shoreline stabilization for enhancement, restoration, or hazardous substance remediation projects should only be allowed when non-structural measures, vegetation planting, or on-site drainage improvements would be insufficient to achieve enhancement, restoration, or remediation objectives.
- 6) Shoreline stabilization should not be permitted when it interferes with public access, or other appropriate shoreline uses including, but not limited to, navigation or private recreation.
- 7) Non-regulatory methods to protect, enhance, and restore shoreline ecological functions and other shoreline resources should be encouraged for shore stabilization. Non-regulatory methods may include public facility and resource planning, technical assistance, education, voluntary enhancement and restoration projects, or other incentive programs.

- 8) Provisions for multiple use, restoration, and/or public shore access should be incorporated into the location, design, and maintenance of shore stabilization for public or quasi-public developments whenever safely compatible with the primary purpose. Shore stabilization on publicly owned shorelines should not be allowed to decrease long-term public use of the shoreline.
- 9) Materials used for construction of shoreline stabilization should be selected for long-term durability, ease of maintenance, compatibility with local shoreline features including aesthetic values, and flexibility for future uses.
- 10) New development that would require shoreline stabilization, which causes significant impacts to adjacent properties, should not be allowed.
- 11) Explore a range of solutions to reduce the amount of bulkheads and hard shoreline armoring over time around American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, and Waughop Lake and restore natural bank conditions. Alternative methods to typical shoreline armoring using native vegetation and other natural shoreline features should be the preferred method where feasible.

#### c) Regulations

##### Shoreline Stabilization - General Requirements

- 1) The standards in this section apply to all developments and uses in shoreline jurisdiction.
- 2) Except as otherwise provided in these regulations, structural shoreline stabilization to protect primary structures from damage from erosion shall be allowed only after it is demonstrated through a geotechnical report that non-structural solutions would not provide sufficient protection to existing structures. If structural stabilization is necessary to protect structures, then the feasibility of soft structural measures shall be evaluated prior to consideration of hard structural measures. Soft structural stabilization measures shall be used unless the Shoreline Administrator determines that it is not feasible based on the geotechnical report required in this section and provided by the applicant.
- 3) The geotechnical report shall evaluate the necessity of structural stabilization measures by estimating timeframes and rates of erosion, urgency, alternative solutions, and other pertinent factors. Hard armoring shall not be authorized except where the geotechnical report confirms that there is a significant possibility that a primary structure will be damaged within three years as a result of shoreline erosion in the absence of such measures or where waiting until the need is that immediate would foreclose the opportunity to use measures that would avoid impacts on ecological functions. Where a geotechnical report confirms a need to prevent potential damage to a primary structure, but the need is not as immediate as three (3) years, soft structural stabilization measures may be authorized.
- 4) Soft shoreline stabilization may include the use of gravels, cobbles, limited use of boulders in conjunction with other measures, and logs, as well as vegetation.
- 5) During construction or repair work on a shoreline stabilization measure, areas of temporary disturbance within the shoreline setback shall be restored as quickly as feasible to their pre- disturbance condition or better to avoid impacts to the ecological

function of the shoreline.

#### Shoreline Stabilization - New Development

- 1) New development, including land subdivision, shall, to the extent feasible, be located and designed to eliminate the need for concurrent or future shoreline stabilization and ensure no net loss of ecological function at full build-out. A geotechnical analysis of the site and shoreline characteristics shall be required to assure that lots created through subdivision will not require shoreline stabilization in order for reasonable development to occur. New non-water dependent development that would require shoreline stabilization and cause significant adverse impacts to adjacent or down-current properties is prohibited.
- 2) New development, including single-family residences, that requires new structural shoreline stabilization shall be prohibited unless all of the conditions below are met:
  - a. The need to protect the development from damage due to erosion caused by natural processes, such as currents and waves is demonstrated through a geotechnical report;
  - b. The erosion is not being caused by upland conditions, such as loss of vegetation and drainage;
  - c. Non-structural measures, such as placing the development farther from the shoreline, planting vegetation, LID BMPs, or installing on-site drainage improvements, are not feasible or not sufficient; and
  - d. The stabilization structure will not result in a net loss of shoreline ecological functions.
- 3) New development on steep or unstable slopes shall be set back sufficiently to ensure that shoreline stabilization will not be needed during the life of the structure, as demonstrated by a geotechnical analysis prepared by a geotechnical engineer or related professional licensed and in good standing in the State of Washington.

#### Shoreline Stabilization - New or Expanded Measures

New structural stabilization measures and enlargement of existing structural stabilization measures shall be limited to the minimum size necessary and shall be permitted only when it has been conclusively demonstrated through scientific analysis that shoreline stabilization is necessary to protect existing primary structures, public improvements, ecological function restoration projects or hazardous substance remediation projects from erosion, and that nonstructural measures, planting vegetation, or installing on-site drainage improvements are not feasible or not sufficient.

#### Shoreline Stabilization - Replacement and Repair

- 1) An existing shoreline stabilization structure shall not be replaced with a similar structure unless there is a demonstrated need to protect legally established principal uses or existing structures from erosion caused by currents or waves and a nonstructural measure is not feasible.
- 2) Shoreline stabilization solutions developed to replace existing shoreline stabilization shall be placed along the same alignment as, or landward of, the shoreline stabilization being replaced, except as noted below.
- 3) Where existing hard structural stabilization is replaced by soft structural or non-



structural shoreline stabilization using bioengineering techniques and results in a documented improvement of shoreline functions, such stabilization may be allowed waterward of the OHWM subject to state and federal approvals. Such stabilization does not constitute fill for the purpose of this SMP.

- 4) A major repair or replacement of a hard shoreline stabilization structure shall be allowed without a demonstration of need when the existing primary structure is ten (10) feet or less from the OHWM. All other major repair proposals must include a written narrative prepared by a qualified geotechnical engineer that provides a demonstration of need. A major repair shall be defined as:
  - a. A repair needed to a portion of an existing stabilization structure that has collapsed, eroded away, or otherwise demonstrated loss of structural integrity, or in which the repair work involves modification of the toe rock or footing, and the repair is fifty percent (50%) or greater than the linear length of the shoreline stabilization measure; or
  - b. A repair to more than seventy-five percent (75%) of the linear length of the existing hard structural stabilization measure in which the repair work involves replacement of top or middle course rocks or other similar repair activities.
- 5) Minor repairs are repairs that do not meet the threshold established in regulation 4 above. Such repairs shall be allowed without a demonstration of need.

#### General Shoreline Stabilization - Design Requirements

- 1) Shoreline stabilization and modification projects shall avoid adverse impacts to the environment to the greatest extent feasible, and where such impacts cannot be avoided, mitigation shall be provided to achieve no net loss of shoreline ecological functions.
- 2) Shoreline stabilization shall not be used to create new or newly usable land.
- 3) Shoreline stabilization shall not significantly interfere with normal surface and/or subsurface drainage into the water body.
- 4) Shoreline stabilization shall be designed so as not to constitute a hazard to navigation and not interfere with visual access to the water substantially.
- 5) Shoreline stabilization shall be designed so as not to cause a significant impact to adjacent properties, including the need for shoreline stabilization elsewhere.
- 6) Professional design (as approved by the Shoreline Administrator) of all shoreline stabilization is required. All shoreline modifications shall be in support of a permitted shoreline use that is in conformance with the provisions of this SMP unless it can be demonstrated that such activities are necessary and in the public interest.
- 7) All shoreline modification activities must comply with all other regulations as stipulated by state and federal agencies, local tribes, or others that have jurisdiction.
- 8) Alternative methods to typical shoreline armoring using native vegetation and other natural shoreline features shall be considered when replacing existing and constructing new shoreline stabilization solutions.

- 9) Public access shall be required as part of publicly financed shoreline stabilization measures unless public access improvements would cause unavoidable health or safety hazards to the public, inherent and unavoidable security problems, unacceptable and immitigable significant ecological impacts, unavoidable conflict with proposed use, or a cost that is disproportionate and unreasonable to the total long-term cost of the development.

#### Beach Restoration or Enhancement

- 1) Beach enhancement along American Lake, Gravelly Lake, Lake Louise and Lake Steilacoom may be permitted when the applicant has demonstrated that the project will not detrimentally interrupt littoral processes, redirect waves, current, or sediment to other shorelines, or adversely affect adjacent properties or habitat and all other standards of the SMP are followed.
- 2) Beach enhancement for the purpose of shoreline stabilization is limited to the minimum necessary. Proposals exceeding the threshold outlined in Section 4(c)(2) shall be subject to the requirements for shoreline fill in that section.
- 3) Natural beach restoration/enhancement activities shall not:
  - a. Extend waterward more than the minimum amount necessary to achieve the desired stabilization;
  - b. Disturb significant amounts of valuable shallow water fish/wildlife habitat without appropriate mitigation of the impacts.
- 4) The size and/or mix of new materials to be added to a beach shall be as similar as possible to that of the natural beach sediment, but large enough to resist normal current, wake, or wave action at the site.
- 5) The restored beach shall approximate, and may slightly exceed, the natural beach width, height, bulk or profile (but not as much as to create additional dry land).
- 6) Beach enhancement is prohibited within fish and/or wildlife spawning, nesting, or breeding habitat that would be adversely affected by it, as well as where littoral drift of the enhancement materials would adversely affect adjacent spawning grounds or other areas of biological significance.

#### Soil Bioengineering

- 1) All soil bioengineering projects shall use native plant materials appropriate to the specific area including trees, shrubs, and groundcovers, unless demonstrated infeasible for the particular site.
- 2) Except where more restrictive or specific Critical Area and Resource Lands Regulations apply, all cleared areas shall be replanted immediately following construction and irrigated (if necessary) to ensure that within three (3) years all vegetation is one hundred percent (100%) reestablished to achieve no net loss of ecological functions of the shoreline area. Areas that fail to reestablish vegetation adequately shall be replanted by the applicant with approved plant materials until the plantings are viable. The Shoreline Administrator may establish additional performance standards in permit conditions based on the project site and nature of the proposal.

- 3) Any bioengineered bank stabilization and replanted areas as required by Regulation 2 above shall be maintained in the form of a buffer zone for a minimum of three (3) years. The buffer zone shall exclude activities that could disturb the site. Where determined necessary by the Shoreline Administrator, fencing may be required to ensure protection of plantings.
- 4) All construction and planting activities shall be scheduled to minimize impacts to water quality and fish and wildlife aquatic and upland habitat, and to optimize survival of new vegetation.

### Breakwaters

- 1) Breakwaters, jetties, and groins shall not be permitted.

### Bulkheads

- 1) Bulkhead design and development shall conform to all other applicable local, state, and federal agency regulations.
- 2) On shorelines where no other adjacent bulkheads, the bulkhead construction shall tie in with the contours of the adjoining shorelines, as feasible, to avoid causing erosion of the adjoining properties.
- 3) Bulkheads may tie in flush with existing bulkheads on adjoining properties, provided that the new bulkhead does not extend waterward of OHWM, except that which is necessary to make the connection to the adjoining bulkhead. In such circumstances, the remaining portion of the bulkhead shall be placed landward of the existing OHWM such that no net loss of lake occurs and the design complies with all other regulations as stipulated by state and federal agencies, local tribes, or others that have jurisdiction.
- 4) Replacement bulkheads shall not encroach waterward of the OHWM or existing structure unless the residence was occupied prior to January 1, 1992, and there is overriding safety or environmental concerns. In such cases, the replacement structure shall abut the existing stabilization structure.
- 5) When a bulkhead is required at a public access site, provisions for safe access to the water shall be incorporated into bulkhead design.
- 6) Stairs or other permitted structures may be built into a bulkhead, but shall not extend waterward of a bulkhead.
- 7) Fill behind bulkheads shall be limited to an average of one (1) cubic yard per linear foot of bulkhead. Any filling in excess of this amount shall be subject to the policies and regulations in this SMP pertaining to fill activities.

## **3. Dredging and Disposal**

### **a) Applicability**

Dredging is the removal or displacement of earth or sediments such as gravel, sand, mud or silt and/or other materials or debris from any stream, or lake and associated shorelines, side channels, and wetlands. In a lake setting, dredging is normally done for specific purposes or

uses such as deepening a navigational channel or obtaining bottom material.

Dredge material is disposed of on land or into water bodies and may be intended for the purpose of creating new or additional lands for other uses. Dredge spoil varies from clean river sand to organic sludge. While some of this material is deposited on land, a significant portion is dumped, intentionally or unintentionally, back into the water or immediately adjacent to the water.

Of all activities on shorelines, dredging poses one of the greatest threats to water quality and aquatic life. In most cases, dredging occurs in shallow areas and may disturb the aquatic environment by temporarily reducing water clarity from suspended sediments, causing aquatic plant and animal loss by direct removal or from the sedimentation of suspended materials, altering the nutrient and oxygen levels of the water column, and suspending toxic materials from the sediments into the water column.

#### b) Policies

- 1) In all cases, dredging operations should be planned and conducted to protect and maintain existing aquatic habitat and other shoreline uses, properties, and values. Proposals that include dredging should provide mitigation to achieve no net loss of shoreline ecological functions.
- 2) When allowed, dredging and dredge material disposal should be limited to the minimum amount necessary.
- 3) Dredging waterward of the OHWM for the primary purpose of obtaining fill should not be allowed, except as part of a restoration or environmental cleanup project.
- 4) The City may impose limitations on dredging activities, such as limited operating hours, time periods, and requirements for buffer strips at the site.
- 5) Dredging or excavation of gravel for the purposes of flood management should be consistent with adopted flood hazard reduction plans and should result in no net loss of ecological function.

#### c) Regulations

- 1) Dredging and disposal of dredge material shall avoid and minimize significant ecological impact; impacts that cannot be avoided shall be mitigated to achieve no net loss of ecological processes and functions.
- 2) New development siting and design shall avoid the need for new and maintenance dredging.
- 3) Dredging may be permitted as a conditional use activity only:
  - a. When necessary to support a water-dependent use; or
  - b. For expansion or alteration of public utility facilities; or
  - c. As part of mitigation actions, environmental restoration, a comprehensive flood control program or habitat enhancement projects.
- 4) In all cases where dredging is allowed, dredging may be permitted as a conditional use:
  - a. When technical information demonstrates water circulation, littoral drift, aquatic

- life and water quality will not be substantially impaired; and
  - b. When other solutions would result in greater environmental impact; and
  - c. When applicable permits of other local, state, federal have been obtained.
- 5) Maintenance dredging associated with a water dependent use shall be restricted to maintaining the previously dredged and/or existing authorized location, depth, and width.
  - 6) Dredging for the primary purpose of obtaining fill or construction material is prohibited, except for projects associated with MTCA or CERCLA habitat restoration, or any other significant restoration effort approved by a shoreline CUP. When dredging is allowed for fill materials, placement of fill must be waterward of the OHWM.
  - 7) Proposals for dredging and dredge disposal shall include details on all feasible mitigation measures to protect aquatic habitats. Dredging and dredge disposal shall not create a net loss of shoreline ecological functions.
  - 8) Dredging material, which will not subsequently cause violation of state Water Quality Standards, may be used in permitted landfill projects.
  - 9) Excavation on beaches below the OHWM in lands covered by water constitutes dredging and shall include precautions to prevent the migration of fine grain sediments, disturbed by the excavation, onto adjacent beach areas. Excavations on beaches shall be backfilled promptly using material of similar composition and similar or coarser grain size.
  - 10) Dredging shall be timed so that it does not interfere with aquatic life.
  - 11) Depositing dredge materials in all water areas shall be prohibited, except where authorized in Regulation 6 above.
  - 12) Disposal of dredged material on shorelands or wetlands within a CMZ shall be prohibited.
  - 13) Dredging shall utilize techniques (such as hydraulic dredging instead of agitation dredging) that cause minimal dispersal and broadcast of bottom material.
  - 14) Limitations may be imposed on dredging activities, such as limited operating hours, time periods, and requirements for buffer strips at the site.
  - 15) Dredging or excavation of gravel for the flood management shall be consistent with an adopted flood hazard reduction plan per the requirements of WAC 173-26-221(3)(c). Such dredging or excavation shall only be approved after a biological study demonstrates that the project would have a long-term benefit to flood hazard reduction, is part of a comprehensive flood management solution, and would not result in a net loss of ecological function.

#### 4. Fill

##### a) Applicability

Fill is the placement of soil, sand, rock, gravel, sediment, earth-retaining structure, or other material to an area waterward of the OHWM, in wetlands or on shorelands in a manner that raises the elevation or creates dry land. Fill is usually considered in locations where the water is shallow and rooted vegetation often occurs. In their natural condition, these areas provide

valuable habitat for fish and wildlife feeding, breeding, and shelter. Biologically, these areas tend to be highly productive portions of the lake. For these reasons, governmental agencies and scientific experts have generally sought to prohibit or restrict fill.

## b) Policies

- 1) Shoreline fill waterward of the OHWM should be permitted as a conditional use in all shoreline environment designations, and only when tied to a specific development proposal that is permitted by the SMP.
- 2) Where permitted, fill coverage should be the minimum necessary to provide for the proposed use.
- 3) In evaluating fill projects, factors such as current and potential public use of the shoreline and water surface area, water flow and drainage, water quality and habitat should be considered and protected to the maximum extent feasible. Further, the City should assess the overall value of the fill site in its present state versus the proposed shoreline use to be created to ensure consistency with the SMA and this SMP.
- 4) Fills waterward of the OHWM should be restricted to the minimum necessary to support water- dependent uses, public access, cleanup and disposal of contaminated sediments as part of an interagency clean-up plan, disposal of dredged sediments in accordance with the Washington State Department of Natural Resources (DNR) rules, expansion or alteration of transportation facilities of statewide significance when no other alternatives are feasible, and for mitigation actions, environmental restoration and enhancement projects, and only when other solutions would result in greater environmental impact.
- 5) Shoreline fills should be designed and located so that there will be no net loss of existing ecological systems or natural resources, and no alteration of local currents, surface and subsurface drainage, or flood waters which would result in hazard to adjacent life, property, or natural resource systems.
- 6) The fill perimeter should be designed to avoid or eliminate erosion and sedimentation impacts, both during initial fill activities and over time. Natural appearing and self-sustaining control methods are preferred over structural methods.

## c) Regulations

- 1) Fill proposals must demonstrate, at a minimum, that they will result in no net loss of shoreline ecological functions.
- 2) Fills waterward of the OHWM (not including small scale beach restoration that does not exceed twenty-five (25) cubic yards) shall require a CUP and shall be restricted to the minimum necessary to:
  - a. Support water-dependent uses;
  - b. Provide public access;
  - c. Allow for the remediation and disposal of contaminated sediments as part of an interagency clean-up plan;
  - d. Allow the disposal of dredged sediments in accordance with DNR rules;
  - e. Provide for the expansion or alteration of transportation facilities of statewide significance when no other alternatives are feasible; and

- f. Accomplish mitigation actions, environmental restoration and enhancement projects, and only when other solutions would result in greater environmental impact.
- 3) Fills shall be designed, constructed, and maintained to prevent, minimize, and control all material movement, erosion, and sedimentation from the affected area.
- 4) All perimeters of fills shall be provided with vegetation, retaining walls, or other satisfactory mechanisms for erosion prevention and sediment capture.
- 5) Fill shall be permitted only where it is demonstrated that the proposed action will not:
  - a. Result in significant damage to water quality, fish, aquatic habitat, and/or wildlife habitat; or
  - b. Adversely alter natural drainage and circulation patterns, or significantly reduce floodwater- holding capabilities.
- 6) No refuse disposal sites, solid waste disposal sites, or sanitary fills shall be permitted within the American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom or Waughop Lake shoreline areas.
- 7) Any placement or removal of materials landward of the OHWM shall comply with the Vegetation Conservation and Critical Areas provisions of this SMP.
- 8) Fill for the purpose of raising the average grade level is prohibited.

## 5. Overwater Structures and Launching Facilities

### a) Applicability

Piers and docks are structures that abut the shoreline and often used as a landing or moorage place for watercraft. Piers are built on fixed platforms supported by piles above the water, while docks float upon the water. Some piers may terminate in a float section that is connected by a ramp.

Recreational floats are independent anchored offshore platforms, used for water-dependent recreational activities such as swimming and diving.

Boat launches include graded slopes, slabs, pads, planks, or rails used for launching boats by means of a trailer, hand, or mechanical device.

All of these types of facilities have positive and negative environmental aspects. Floating docks generally have less of a visual impact than piers on pilings. However, in the nearshore, docks can interrupt littoral drift of sediments and other suspended materials, and significantly shade the aquatic environment throughout their length. Pile piers can provide diverse habitat for both desirable and undesirable aquatic life. Excavated moorage involves dredging and disturbs bottom sediments and aquatic life. Docks and piers alike create impediments to boat traffic and fish travel. Boat launches impact soils and vegetation, both upland and aquatic. Construction of these facilities requires regulation to protect navigation, to protect shoreline aesthetics, and to maintain the useable water surface and aquatic lands for life forms characteristic and important to those areas.

### b) Exemptions

Construction of a dock, including a community dock, designed for pleasure craft only, for the



private noncommercial use of the owner, lessee, or contract purchaser of single-family and multiple-family residences. A dock is a landing and moorage facility for watercraft and does not include recreational decks, storage facilities or other appurtenances.

- 1) The City will review all development proposals for overwater structures to determine if the proposal is or is not exempt from the requirement for a Substantial Development Permit per WAC 173-27-040. This exemption applies in freshwater when the fair market value of the dock does not exceed:
  - A) Twenty-two thousand five hundred dollars (\$22,500) for docks that are constructed to replace existing docks, and are of equal or lesser square footage than the existing dock being replaced; or
  - B) Eleven thousand two hundred dollars (\$11,200) for all other docks constructed in fresh waters.

However, if subsequent construction occurs within five years of completion of the prior construction, and the combined fair market value of the subsequent and prior construction exceeds the amount specified above, the subsequent construction shall be considered a substantial development for the purpose of this chapter.

- 2) The proposal is suitably located and designed and that all potential impacts have been recognized and mitigated such that there is no net loss of shoreline ecological functions; and
- 3) The proposal is consistent with the intent, policies, and regulations of the SMA, the SMP Guidelines, and this SMP.

#### c) General Policies

- 1) New piers and docks should be allowed only for public access and water-dependent uses.
- 2) New piers and docks should be restricted to the minimum size necessary and permitted only when the applicant has demonstrated that a specific need exists to support the intended water-dependent use.
- 3) Piers and docks should be discouraged where conflicts with recreational boaters and other recreational water activities would be created by pier and dock construction.
- 4) The further proliferation of single-purpose, single-owner piers, and docks should be discouraged. Preference should be given to the shared use piers in shoreline areas.
- 5) Preference should be given to fixed-pile piers elevated above the OHWM. Floating docks should be allowed if the applicant can demonstrate why a fixed pile pier is not feasible or will result in greater impacts.
- 6) Recreational floats should be allowed where they are intended to support public or private recreational uses, or in lieu of fixed piers adjacent to residential land uses.
- 7) New overwater boathouses are prohibited and new moorage covers should not be allowed, except through a CUP in the Shoreline Residential environment.
- 8) Overwater structures, including piers, should only be authorized after consideration of:
  - a. The effect such structures have on wildlife and aquatic life, water quality, scenic

and aesthetic values, environmentally sensitive resources, submerged lands, and submerged vegetation.

- b. The effect such structures have on water circulation, recreational boating, sediment movement and littoral drift and shoreline access.
- 9) Overwater structures and mooring buoys should be designed to cause minimum interference with navigable waters and the public's safe use of the lake and shoreline.
- 10) The proposed size of the structure and intensity of use or uses of any overwater structure should be compatible with the surrounding environment and land and water uses.
- 11) Lighting facilities should be limited to the minimum extent necessary to locate the pier or dock at night.

**d) Regulations - Docks, Piers and Moorage Structures**

- 1) All new overwater structures, including modifications and/or additions, must comply with all regulations contained in this SMP and all other regulations as stipulated by state and federal agencies, local tribes, or others that have jurisdiction.
- 2) Mitigation shall be provided for all reconstructed, repaired, or modified overwater structures to ensure no net loss of ecological function.
- 3) Fixed pile piers elevated at least two (2) feet above the water surface shall be preferred over floating docks. Floating docks shall be allowed if floating elements are not located within the first twenty (20) feet of the shoreline, measured waterward of the OHWM, unless the applicant can demonstrate why adherence to this restriction is not feasible and an alternative design would result in less ecological impact.
- 4) New piers and docks shall be allowed only for public access and water-dependent use, which includes a structure associated with a single-family residence that is designed and intended as a facility for access to watercraft and otherwise complies with the regulations contained in this section. Piers and docks of the minimum size necessary to accommodate the proposed water dependent use may be permitted accessory to a development provided:
  - a. No more than one (1) pier/dock for each single-family residence is permitted. Up to one (1) buoy is allowed per dwelling unit in lieu of a dock.
  - b. No more than one (1) pier, dock or other moorage structure is allowed for a water dependent commercial use or a multi-family development on a single lot or contiguous ownership with the required minimum lot width.
- 5) On lots that have less than the minimum lot width for an overwater structure, as required in Table V, joint-use piers/docks shall be required, except when lots on either side of the subject lot have legal pre-existing piers or docks and the applicant demonstrates to the satisfaction of the Shoreline Administrator that a shared use agreement is not feasible. Only in this case may the lot with less than the required minimum lot width be permitted an individual pier.
- 6) New piers and docks that are not accessory to single-family residences shall be permitted only when intended for public use or when the applicant demonstrates

that a specific need exists to support the intended water-dependent use.

- 7) New residential development of more than two (2) dwellings shall provide a joint use or community moorage structure, rather than individual piers or docks.
- 8) New moorage covers in the Shoreline Residential environment are permitted by a CUP, if the proposal meets all of the following criteria:
  - a. The applicant demonstrates that a joint use or community moorage structure is not feasible;
  - b. The applicant demonstrates that the moorage cover is the minimum size necessary to provide for the water dependent use;
  - c. The overwater structure does not create any potential adverse impacts to public safety;
  - d. Navigation rights are not significantly impacted;
  - e. The overwater structure does not cause environmental impacts that cannot be sufficiently mitigated;
  - f. The covered moorage is placed as far waterward of the OHWM as feasible and safe, within the limits of the dimensional standards for docks and piers established in this Section;
  - g. There is only one (1) covered moorage per moorage facility, including joint use piers; and
  - h. The overwater structure complies with all other conditional use criteria in WAC 173-27-160 as outlined in Chapter 6 of this SMP.
- 9) New boat lifts and boat lift canopies are permitted as long as the following requirements are met:
  - a. Boatlifts shall be placed as far waterward of the OHWM as feasible and safe, within the limits of the dimension standards for piers and docks.
  - b. Bottom of a boat lift canopy shall be elevated above the boat lift to the maximum extent feasible, the lowest edge of the canopy must be at least four (4) feet above the water surface, and the top of the canopy must not extend more than seven (7) feet above an associated pier.
  - c. One boat lift and boat lift canopy and up to two (2) jetski lifts per dwelling unit.
  - d. The lift does not require the placement of pilings or permanent structures.
  - e. A maximum of two (2) cubic yards of clean rock fill or pre-cast concrete blocks are permitted to anchor the boat lift if the substrate prevents the use of anchoring devices.
  - f. No hydraulic fluid other than water shall be used in the boat lift system; backflow protection may be required.
- 10) Proposed overwater structures that do not comply with the dimensional standards in Table V may only be approved if they obtain a variance. Provided that, pursuant to WAC 173-27-040 (2)(b), any legally existing nonconforming pier or dock may be repaired or restored (replacement may be authorized as repair) to its original pre-existing size, dimension, configuration and location without the need for a variance, provided such activity meets the definition of normal maintenance and repair. Projects undertaken pursuant to this section must be permitted within two years of removal of the pre-existing, nonconforming structure.
- 11) All float tubs shall be fully encapsulated.
- 12) Floating docks are required to be designed to not ground during low water

conditions.

- 13) All overwater structures shall be constructed and maintained in a safe and sound condition. Abandoned or unsafe overwater structures shall be removed or repaired promptly by the owner.
- 14) Wooden components that will be in contact with water or over water shall not be treated or coated with herbicides, fungicides, paint, pentachlorophenol, arsenate, creosote, or similar toxic substances. Structures shall be made out of materials that have been approved by applicable state and federal agencies.
- 15) Non-water dependent elements and uses, such as decks and gazebos built on piers or docks, are not allowed.

**Table V. Dimensional Standards for Overwater Structures**

<b>Standard</b>	<b>Dock or Float</b>	<b>Pier</b>	<b>Moorage Pile or Buoy</b>
Height above OHWM <sup>1</sup>	N/A	2 ft.	N/A
Maximum Waterward Distance for all Single Use and Joint Use Moorage Structures or Floats <sup>2</sup>	Point at which 11 ft. water depth from OHWM is reached, not to exceed the following: Lake Louise: 40 ft. All other lakes: 80 ft.	Point at which 11 ft. water depth from OHWM is reached, not to exceed the following: Lake Louise: 40 ft. All Other lakes: 80 ft.	Point at which 11 ft. water depth from OHWM is reached, not to exceed the following: Lake Louise: 40 ft. All Other lakes: 80 ft.
Maximum Waterward Distance for Community Docks	150 ft.	150 ft.	N/A
Setback from Extension of Side Yard Lot Lines	10 ft.	10 ft.	10 ft.
Maximum Surface Area <sup>4</sup>	550 sq. ft. (single owner) 640 sq. ft. (2 owners)  100 sq. ft. for each additional owner over 2 up to a maximum size of 2,000 sq. ft.  Please note that all docks and piers must also meet water frontage standards	550 sq. ft. (single owner) 700 sq. ft. (2 owners)  120 sq. ft. for each additional owner over 2 up to a maximum size of 2,000 sq. ft.  Please note that all docks and piers must also meet water frontage	N/A

		standards	
Location of Ells, Fingers and Deck Platforms, or Freestanding Buoy or Moorage Pile <sup>3</sup>	No closer than 20 ft. waterward of the OHWM.  Within 20 ft. of the OHWM, only the access ramp portion of dock is allowed.	No closer than 20 ft. waterward of the OHWM.  Within 20 ft. of the OHWM, only the access ramp portion of dock is allowed.	No closer than 20 ft. waterward of the OHWM and moorage piles may not be located farther away than the end of the pier of dock
Minimum Water Frontage Required - Single-Family	50 ft.	50 ft.	None
Private Joint Use or Community Docks - Intensity of Use (Number of Slips)	One moorage for each 30 ft. of shoreline frontage up to 210 ft., plus one moorage for each additional 20 ft.	One moorage for each 30 ft. of shoreline frontage up to 210 ft., plus one moorage for each additional 20 ft.	N/A
On Lake Steilacoom only, pier and dock primary walkways or decks must be fully grated or contain other materials that allow light transmittance through between thirty and fifty percent (30%-50%) of the material, depending on the pier or float width.			

<sup>1</sup> During the course of the normal fluctuations of the elevation of the water body, No portion of a deck of a pier shall protrude more than six (6) feet above the water surface.

<sup>2</sup> The proposed length must be the minimum necessary to support the intended use. The

total dock length includes approach ramp and floating element(s). If eleven (11) foot average water depth is reached within twenty (20) feet of the approach ramp for a dock, a floating element will be permitted, not to exceed the maximum length standard. A dock or pier may exceed the maximum length with a shoreline variance, provided a report prepared by a qualified professional that includes verifiable survey information demonstrates the average water depth of eleven (11) feet is not attainable within the maximum length allowed from the OHWM. Existing public piers may be repaired or replaced to their previous length.

<sup>3</sup> Includes all walkways and additional fingers. The maximum width of a ramp connecting a pier to a float should be minimized to the maximum extent practical and should not exceed 4 feet in width.

<sup>4</sup> Includes all walkways, ramps, and additional fingers. The maximum surface area also includes the areas of related or separate recreational floats. Two or more residential property owners must utilize joint-use docks and piers. Existing public piers may be repaired or replaced to their previous square footage.

#### e) Regulations - Recreational Floats

- 1) Recreational floats may be permitted, provided:
  - a. The area of a recreational float shall be minimized to the maximum extent feasible and comply with regulations as stipulated by state and federal agencies, local tribes, or others that have jurisdiction. No recreational float shall have more than one hundred and fifty (150) square feet when associated with a private recreation land use, and four hundred (400) when associated with a public recreational land use.
  - b. Distance waterward from the OHWM. Recreational floats must be in water with depths of eleven (11) feet or more at the landward end of the float and may be located up to a maximum waterward distance as shown in Table V.
  - c. The area of the recreational float shall be in addition to the maximum surface area for overwater structures in Table V.
- 2) Recreational floats shall be designed and intended for swim use or other non-motorized use.
- 3) On Lake Steilacoom, recreational floats shall be fully grated.
- 4) Retrieval lines shall not float at or near the surface of the water.
- 5) Height. Recreational floats must be built so that the deck surface is one (1) foot above the water's surface and they must have reflectors for nighttime visibility.
- 6) All float tubs shall be fully encapsulated.

#### f) Regulations - Moorage Piles and Buoys

- 1) Up to two (2) moorage piles are allowed per dwelling unit, up to a maximum of six (6) moorage piles for joint use or community docks.
- 2) Up to one (1) buoy is allowed per dwelling unit in lieu of a dock.
- 3) Buoys shall be anchored to the lake substrate in accordance with all state and federal requirements.

**g) Regulations - Boat Launches (Rails and Ramps)**

- 1) Launching rails may be permitted as a conditional use in the Shoreline Residential environment in lieu of a moorage pier. The applicant shall demonstrate that the proposed length of the rail is the minimum necessary to safely launch the intended craft and comply with all regulations as stipulated by state and federal agencies, local tribes, or others that have jurisdiction. In no case shall the rail extend beyond the point where the water depth is eight (8) feet below the OHWM.
- 2) Launching rails shall be anchored to the ground with the use of tie-type construction.
- 3) No more than one (1) launching rail per single-family residence or duplex is permitted.
- 4) Launching ramps may be permitted as a conditional use for recreational uses or when serving more than four (4) residential units in the Shoreline Residential or Urban Park environment. The applicant shall demonstrate that the proposed length of the ramp is the minimum necessary to safely launch the intended craft and comply with all regulations as stipulated by state and federal agencies, local tribes, or others that have jurisdiction. In no case shall the ramp extend beyond the point where the water depth is eight (8) feet below the OHWM.
- 5) Launching ramps serving more than four (4) residential units are regulated as Boating Facilities and they must comply with all policies and regulations in Chapter 4 of this SMP. Launching rails serving more than four (4) residential units are prohibited.
- 6) Location Standards - Launch ramps and launching rails shall be sited so that they do not significantly damage fish and wildlife habitats and shall not occur in areas with native emergent vegetation. Removal of native upland vegetation shall be minimized to the greatest extent feasible. All facilities shall be sited and designed per required mitigation sequencing.
- 7) Where feasible, launch ramps and launching rails shall be located only on stable shorelines where water depths are adequate to eliminate or minimize the need for dredging, filling, beach enhancement or other maintenance activities.
- 8) The design shall comply with all regulations as stipulated by state and federal agencies, affected tribes, or other agencies with jurisdiction.
- 9) Design Standards
  - a. Boat launches for non-motorized boats shall be constructed of gravel or other similar natural material.
  - b. Preferred launch ramp designs for motorized boats, in order of priority, are:
    - A) Open grid designs with minimum coverage of lake substrate.
    - B) Seasonal ramps that can be removed and stored upland.
    - C) Structures with segmented pads and flexible connections that leave space for natural beach substrate and can adapt to changes in shoreline profile.
    - D) Standard concrete pads.

**h) Regulations - In-stream Structures**

- 1) In-stream structures shall be minimized and shall only be allowed consistent with the provisions of the SMP, including mitigation sequencing and no net loss.



- 2) When allowed, in-stream structures shall be located, designed and operated to protect and preserve ecosystem-wide processes, ecological functions and cultural resources, including (but not limited to) fish passage, wildlife and water resources, critical areas, hydrogeological processes and natural scenic vistas.
- 3) The location and planning of in-stream structures shall give due consideration to the full range of public interests, watershed functions and processes, and environmental concerns, with special emphasis on protecting and restoring priority habitats and species. In particular, this includes anadromous fish.

## **16.10.060**

### **Chapter 6**

### **Administration**

#### **A.** Purpose and Applicability

There is hereby established an administrative system designed to assign responsibilities for implementation of the SMP and shoreline permit review, to prescribe an orderly process by which to review proposals and permit applications, and to ensure that all persons affected by this SMP are treated in a fair and equitable manner. All proposed shoreline uses and development, including those that do not require a shoreline permit, must conform to the SMA and to the policies and regulations of this SMP.

The SMP shall apply to every person, individual, firm, partnership, association, organization, corporation, local or state governmental agency, public or municipal corporation, or other non-federal entity which develops, owns, leases or administers lands, wetlands, or waters that fall under the jurisdiction of the Act. The permit requirements established under the SMP apply to all nonfederal activities, and to development and uses undertaken on lands not federally owned but under lease, easement, license or other similar property right of the federal government. Nothing in the SMP shall affect and rights established by treaty to which the United States is a party.

#### 1. Exceptions to Local Review and Permitting

Developments not required to obtain shoreline permits or local reviews. Consistent with WAC 173-27-044 and -045, requirements to obtain a substantial development permit, conditional use permit, variance, letter of exemption, or other review to implement the Shoreline Management Act do not apply to the following:

- a) Remedial actions. Pursuant to RCW 90.58.355, any person conducting a remedial action at a facility pursuant to a consent decree, order, or agreed order issued pursuant to chapter 70.105D RCW, or to the department of ecology when it conducts a remedial action under chapter 70.105D RCW.
- b) Boatyard improvements to meet NPDES permit requirements. Pursuant to RCW 90.58.355, any person installing site improvements for storm water treatment in an existing boatyard facility to meet requirements of a national pollutant discharge elimination system storm water general permit.
- c) WSDOT facility maintenance and safety improvements. Pursuant to RCW 90.58.356, Washington State Department of Transportation projects and activities meeting the conditions of RCW 90.58.356 are not required to obtain a substantial development permit, conditional use permit, variance, letter of exemption, or other local review.

d) Projects consistent with an environmental excellence program agreement pursuant to RCW 90.58.045.

e) Projects authorized through the Energy Facility Site Evaluation Council process, pursuant to chapter 80.50 RCW.

## **B.** Shoreline Administrator

### **1.** Authority

- a) The City's Shoreline Administrator is hereby vested with:
  - 1) Overall authority for administering the SMA and this SMP;
  - 2) Authority to approve, approve with conditions, or deny shoreline permit revisions in accordance with the policies and provisions of this SMP; and
  - 3) Authority to grant statements of exemption from substantial development permits in accordance with the policies and provisions of this SMP.

### **2.** Duties

- a) The duties and responsibilities of the Shoreline Administrator shall include:
  - 1) Preparing and using application forms essential to administer this SMP.
  - 2) Advising interested citizens and applicants of the policies, regulations, and procedures of this SMP.
  - 3) Making administrative decisions and interpretations of the policies and regulations of this SMP and the SMA. In development of any procedures for and/or administrative interpretations of the Master Program, the Administrator shall consult with the Department of Ecology to insure any formal written interpretation is consistent with the purpose and intent of the Shoreline Management Act and the Shoreline Master Program Guidelines.
  - 4) Collecting applicable fees, as established in the City's fee schedule.
  - 5) Determining application submission completeness.
  - 6) Conducting field inspections as necessary.
  - 7) Reviewing applications and submitted and related information.
  - 8) Determining if a substantial development permit, CUP, or variance is required.
  - 9) Providing copies of permit applications to relevant staff and agencies for review and comment.
  - 10) Conducting a thorough review and analysis of shoreline exemption applications; reviewing other staff and agency comments; making written findings and conclusions; and approving, approving with conditions, or denying such exemptions.
  - 11) Submitting substantial development permit, CUP and variance applications and written recommendations and findings on such permits to the City's Hearing

Examiner for their consideration and action.

- 12) Assuring that proper notice is given to appropriate persons and the public for all hearings.
- 13) Providing technical and administrative assistance to the City's Hearing Examiner, Planning Advisory Board, and City Council as required for effective and equitable implementation of this program and the Act.
- 14) Investigating, developing, and proposing amendments to this SMP as deemed necessary to more effectively and equitably achieve its policies.
- 15) Enforcing and seeking remedies for alleged violations of this SMP, the SMA or conditions of any approved shoreline permit issued by the City.
- 16) Acting as the primary liaison between local and state agencies in the administration of the SMA and this SMP.
- 17) Forwarding shoreline permits to the Ecology for filing or action.

## C. Substantial Development

Any person wishing to undertake substantial development within the shoreline shall submit materials as required under Chapter 18A.02 LMC and shall apply to the Shoreline Administrator for a shoreline permit, as required in this Chapter and Chapter 90.58 RCW. Specific submittal requirements may be established by administrative rule.

### 1. Exemptions

- a) Developments, which are exempt from the requirement for a substantial development permit, are identified in WAC 173-27-040 or as subsequently amended.
- b) Applicants must apply for an exemption approval on forms provided by the City, pursuant to Chapter 18A.02 LMC. Applicants shall be required to submit information necessary to determine the exemption and compliance with the requirements of this SMP. Submittal requirements shall be established by administrative rule.
- c) Before determining that a proposal is exempt, the Shoreline Administrator may conduct a site inspection to ensure that the proposal meets the exemption criteria.
- d) All development, use, or activity that occurs within the shoreline jurisdiction is subject to the requirements of this SMP, regardless of whether a substantial development permit required.
- e) Exempt development may still require a variance or CUP. For example, exempt development that cannot meet the dimensional standards in this SMP will require a variance and certain uses are allowed in certain shoreline environment designations only upon approval of a CUP.
- f) The Administrator shall prepare a letter of exemption whenever a development is determined to be exempt from the Substantial Development permit requirements and the development is subject to one or more of the federal permit requirements outlined in WAC 173-27-050. The letter shall indicate the specific exemption that is being applied to the development and provide a summary of the City's analysis of the consistency of the project with the SMP.

## 2. Permit Process

- a) Applicants shall apply for substantial development permits, CUPs, and variances on forms provided by the City.
- b) Substantial development permits, CUPs, and variances are Process II applications and shall be processed and subject to the applicable regulations of Chapter 18A.02 LMC, as amended.
- c) Public Notice. A notice of application shall be issued for all shoreline permit applications as provided for in Chapter 18A.02 LMC, as amended, excepting that the public comment period for the notice of application for a shoreline permit shall be not less than thirty (30) days, per WAC 173-27-110(2)(e).
- d) Public Hearing. The Shoreline Administrator, at his or her discretion, may refer any shoreline application to the Hearing Examiner as a Process III application when the proposal could significantly impact another party or the proposal is of broad public concern. If a hearing is to be held on an application, notices of such a hearing shall include a statement that any person may submit oral or written comments on an application at the hearing.
- e) Application review. The Shoreline Administrator shall make decisions on applications for substantial development permits, CUPs, and variances based upon:
  - 1) The policies and procedures of the SMA and related sections of the WAC;
  - 2) Any public comment received on the application as it relates to compliance with the requirements of the SMA or this SMP; and
  - 3) Special procedures for WSDOT projects. Permit review time for projects on a state highway. Pursuant to RCW 47.01.485, the Legislature established a target of 90 days review time for local governments; and
  - 4) This SMP.
- f) Local Appeal. All decisions of the Shoreline Administrator may be appealed to the Hearing Examiner pursuant to Chapter 18A.02 LMC and related provisions. Any party may also appeal a substantial development permit, CUP, or variance to the Shoreline Hearings Board as provided by RCW 90.58.180 without first exhausting any local appeal opportunity. The decision of the Hearing Examiner may also be appealed to the Shoreline Hearings Board.
- g) Filing with Ecology. All applications for a permit or permit revision shall be submitted to Ecology, as required by WAC 173-27-130 or as subsequently amended. After City approval of a CUP or Variance, the City shall submit the permit to the Ecology for approval, approval with conditions, or denial, as provided in WAC 173-27-200. Ecology shall transmit its final decision to the City and the applicant within thirty (30) calendar days of the date of submittal by the City. Permit revisions shall comply with the revision approval criteria and process provided in WAC 173-27-100.
- h) Hold on Construction. Each permit issued by the City shall contain a provision that construction pursuant to the permit shall not begin and is not authorized until twenty-one (21) days from the date of filing with Ecology, per WAC 173-27-190 or as subsequently amended. "Date of filing" of the City's final decision on Substantial Development Permits differs from date of filing for a CUP or variance. In the case of a substantial development permit, the date of filing is the date Ecology actually receives the City decision on the

permit. In the case of a variance or CUP, the “date of filing” means the date that Ecology’s final decision on the permit is transmitted to the City.

- i) Duration of permits. Construction, or the use or activity, shall commence within two (2) years after the effective date of the permits. Authorization to conduct development activities shall terminate within five (5) years after the effective date of a shoreline permit. The Shoreline Administrator may authorize a single extension before the end of either of these time periods, with prior notice to parties of record and Ecology, for up to one (1) year based on reasonable factors.
- j) Compliance with permit conditions. When permit approval includes conditions, such conditions shall be satisfied prior to occupancy or use of a structure or prior to commencement of a nonstructural activity. All uses and developments occurring within shoreline jurisdiction shall be compliant with Chapter 90.58 RCW.

#### **D. Variances and Conditional Use Permits**

The SMA states that SMPs shall contain provisions covering variances and CUPs that are consistent with Chapter 173-27 WAC. These provisions should be applied in a manner, which assures that a person will be able to use his/her property in a fair and equitable manner while still protecting the environment.

#### **I. Shoreline Variance**

##### **a) Purpose**

The purpose of a variance is strictly limited to granting relief to specific bulk dimensions, or performance standards set forth in this SMP, and where there are extraordinary or unique circumstances relating to the property such that the strict implementation of the SMP would impose unnecessary hardships on the applicant or thwart the SMA policies as stated in RCW 90.58.020. Construction pursuant to this permit shall not begin nor can construction be authorized except as provided in RCW 90.58.020. In all instances, extraordinary circumstances shall be shown and the public interest shall suffer no substantial detrimental effect.

##### **b) Application**

- 1) An application for a Variance shall comply with the provisions of Chapter 18A.02 LMC. An applicant for Substantial Development Permit who wishes to request a Variance shall submit the applications for a Variance and Substantial Development Permit simultaneously.

##### **c) Criteria for Granting Variances**

- 1) Variances for development that will be located landward of the OHWM and landward of any wetland may be authorized provided the applicant can demonstrate consistency with the following variance criteria as listed in WAC 173-27-170:
  - a. That the strict application of the bulk, dimensional, or performance standards set forth in the SMP precludes, or significantly interferes with, reasonable use of the property.
  - b. That the hardship described above is specifically related to the property, and is the result of unique conditions such as irregular lot shape, size, or natural features and the application of the SMP and not, for example, from deed restrictions or the

applicant's own actions.

- c. That the design of the project is compatible with other permitted activities within the area and with the uses planned for the area under the Comprehensive Plan and SMP and the design will not cause adverse impacts to the shoreline environment.
  - d. That the variance will not constitute a grant of special privilege not enjoyed by the other properties in the area.
  - e. That the variance requested is the minimum necessary to afford relief.
  - f. That the public interest will suffer no substantial detrimental effect.
- 2) Variances for a development that will be located waterward of the OHWM mark or within any wetland may be authorized provided the applicant can demonstrate all of the following:
- a. That the strict application of the bulk, dimensional, or performance standards set forth in the SMP precludes all reasonable use of the property.
  - b. That the proposal is consistent with the criteria established under subsection (1)(a) through (f) of this section.
  - c. That the public rights of navigation and use of the shorelines will not be adversely affected.
- 3) In the granting of all variances, consideration shall be given to the cumulative impact of additional requests for like actions in the area. For example, if variances were granted to other developments and/or uses in the area where similar circumstances exist, the total of the variances shall also remain consistent with the policies of RCW 90.58.020 and shall not cause substantial adverse effects to the shoreline environment.
- 4) Variances from the use regulations of the SMP are prohibited.

## **2.** Shoreline Conditional Use Permits

### **a)** Purpose

The purpose of a CUP is to allow flexibility in the application of use regulations of the SMP in a manner consistent with the policies of RCW 90.58.020. In authorizing a conditional use, special conditions may be attached to the permit by the City or Ecology to prevent undesirable effects of the proposed use and/or to assure consistency of the project with the SMA and this SMP.

### **b)** Application

An application for a CUP shall comply with the provisions of Chapter 18A.02 LMC. An applicant for a Substantial Development Permit who wishes to request a CUP shall submit the applications for a CUP and Substantial Development Permit simultaneously.

### **c)** Criteria for Granting Shoreline Conditional Use Permits

- 1) Uses classified as conditional uses in the SMP may be authorized, provided the applicant demonstrates all of the following conditional use criteria as listed in WAC 173-27-160:
  - a. That the proposed use is consistent with the policies of RCW 90.58.020 and the SMP;
  - b. That the proposed use will not interfere with the normal public use of public shorelines;
  - c. That the proposed use of the site and design of the project is compatible with other authorized uses within the area and with uses planned for the area under the Comprehensive Plan and this SMP;
  - d. That the proposed use will cause no significant adverse effects to the shoreline environment in which it is to be located; and
  - e. That the public interest suffers no substantial detrimental effect.
- 2) In the granting of all CUPs, consideration shall be given to the cumulative impact of additional requests for like actions in the area. For example, if CUPs were granted for other developments in the area where similar circumstances exist, the total of the conditional uses shall also remain consistent with the policies of RCW 90.58.020 and shall not produce substantial adverse effects to the shoreline environment.
- 3) Other uses, which are not classified or set forth in this SMP, may be authorized as conditional uses provided the applicant can demonstrate consistency with the requirements of this section and the requirements for conditional uses contained in the SMP.
- 4) Uses, which are specifically prohibited by this SMP, shall not be authorized.

## **E.** Appeals to the Shoreline Hearings Board

Any person aggrieved by the granting or denying of a substantial development permit, CUP, or variance, the upholding of an exemption appeal, or by the rescinding of a permit pursuant to the provisions of this SMP, may seek review from the State of Washington Shorelines Hearing Board by filing a petition for review within twenty-one (21) days of the date of filing of the permit decision. Within seven (7) days of filing the petition, the petitioner shall serve copies of the petition to Ecology, the Attorney General's Office, and the City of Lakewood. State Hearings Board regulations are provided in RCW 90.58.180 and Chapter 461-08 WAC.

## **F.** Nonconforming Use and Development Standards

### **1.** Applicability

"Nonconforming use or development" means a shoreline use or development which was lawfully constructed or legally established prior to the effective date of the SMA or this SMP, or amendments thereto, but which does not conform to present regulations or standards of this SMP. Nonconforming uses are also subject to LMC Section 18A.02.830. Where the standards in this Section are more specific or conflict with the standards in LMC Section 18A.02.830, the standard in this Section shall apply. Where the standards contained in this Section do not address an issue related to nonconforming development, the standards contained in LMC Section 18A.02.830 shall apply.

### **2.** Standards for Nonconforming Structures, Uses, and Lots

#### **a. Nonconforming structures**

- 1) Structures that were legally established and are used for a conforming use but are nonconforming with regard to setbacks, buffers or yards; area; bulk; height or density may continue as legal nonconforming structures and may be maintained and repaired.



- 2) Nonconforming structures may be enlarged or expanded provided that said enlargement meets the applicable provisions of the master program. In the absence of other more specific regulations, proposed expansion shall not increase the extent of nonconformity by further encroaching upon or extending into areas where construction would not be allowed for new structures, unless a shoreline variance permit is obtained.
- 3) Nonconforming single-family residences that are located landward of the ordinary high water mark may be enlarged or expanded in conformance with applicable bulk and dimensional standards by the addition of space to the main structure or by the addition of normal appurtenances as defined in WAC 173-27-040 (2)(g) upon approval of a conditional use permit.
- 4) A structure for which a variance has been issued shall be considered a legal nonconforming structure and the requirements of this section shall apply as they apply to preexisting nonconformities.
- 5) In the absence of other more specific regulations, a structure which is being or has been used for a nonconforming use may be used for a different nonconforming use only upon the approval of a conditional use permit. A conditional use permit may be approved only upon a finding that:
  - a. No reasonable alternative conforming use is practical; and
  - b. The proposed use will be at least as consistent with the policies and provisions of the act and the master program and as compatible with the uses in the area as the preexisting use. In addition, such conditions may be attached to the permit as are deemed necessary to assure compliance with the above findings, the requirements of the master program and the Shoreline Management Act and to assure that the use will not become a nuisance or a hazard.
- 6) A nonconforming structure which is moved any distance must be brought as closely as practicable into conformance with the applicable master program and the act.
- 7) If a nonconforming development is damaged to an extent not exceeding seventy-five percent of the replacement cost of the original development, it may be reconstructed to those configurations existing immediately prior to the time the development was damaged, provided that application is made for the permits necessary to restore the development within two years of the date the damage occurred.

**b. Nonconforming uses**

- 1) Uses that were legally established and are nonconforming with regard to the use regulations of the master program may continue as legal nonconforming uses.
- 2) In the absence of other more specific regulations in the master program, such uses shall not be enlarged or expanded, except upon approval of a conditional use permit.
- 4) If a nonconforming use is discontinued for twelve consecutive months or for twelve months during any two-year period, the nonconforming rights shall expire and any subsequent use shall be conforming unless re-establishment of the use is authorized through a conditional use permit which must be applied for within the two year period. Water-dependent uses should not be considered discontinued when they are inactive due to dormancy, or where the use includes phased or rotational operations as part of typical operations. A use authorized pursuant to subsection (2)(e) of this

section shall be considered a conforming use for purposes of this section.

**c. Nonconforming lots**

A nonconforming lot may be developed if permitted by other land use regulations of the local government and so long as such development conforms to all other requirements of the applicable master program and the act.

**G. Enforcement and Penalties**

**1. General Provisions**

- a) The Shoreline Administrator shall enforce all provisions of this SMP. The enforcement procedures and penalties contained in Chapter 173-27 WAC and Chapter 90.58 RCW are hereby incorporated by reference. See also Chapter 1.44 LMC for additional information regarding the City's enforcement regulations and related penalties.
- b) The Shoreline Administrator shall have authority to enforce this Title, any rule or regulation adopted, and any permit, order or approval issued pursuant to this Title, against any violation or threatened violation thereof. The Shoreline Administrator is authorized to issue civil infraction citations and administrative orders, levy fines, and/or institute legal actions in court including prosecution of misdemeanor violations. Recourse to any single remedy shall not preclude recourse to any of the other remedies. Each violation of this Title, or any rule or regulation adopted, or any permit, permit condition, approval or order issued pursuant to this Title, shall be a separate offense, and, in the case of a continuing violation, each day's continuance shall be deemed a separate and distinct offense. An application for a required permit, when pursued in good faith, shall stay the accumulation of violations. All costs, fees, and expenses in connection with enforcement actions may be recovered as damages against the violator.
- c) The Shoreline Administrator is authorized to make site inspections and take such actions as necessary to enforce the SMP. The Shoreline Administrator or representative may enter private property with the consent of the owner or occupant or pursuant to a warrant.
- d) The Shoreline Administrator shall have the authority to order restoration, rehabilitation or replacement measures to compensate for the destruction or degradation of areas at the owner's expense.
- e) The Shoreline Administrator may bring appropriate actions at law or equity, including actions for injunctive relief, to ensure that no uses are made of shorelines, which are inconsistent with this Title. Enforcement actions shall include civil infractions, administrative orders, prosecution of misdemeanors, and actions for damages and restoration.
- f) Aiding or abetting. Any person who, through an act of commission or omission, procures, aids, or abets in the violation shall be considered to have committed a violation of this Title.
- g) Any person found to have violated any provision of this Title or who knowingly makes a false statement, representation or certification in any application, record or other document filed or required to be maintained under this Title or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device, record or methodology required to be maintained pursuant to this Title shall be guilty of a misdemeanor, punishable by up to 90 days in jail and/or a fine of up to \$1,000.00.
- h) Orders and penalties issued pursuant to this Section may be appealed as provided for by this Title.

## 2. Administrative Orders

- a) The Shoreline Administrator may serve an administrative order when any person makes or partakes in any use of land, development or any activity within the shoreline jurisdiction or on associated critical areas and/or buffers in violation of this Title. The order shall include the following:
  - 1) A description of the specific nature, location, extent, and time of violation. The order may include the damage or potential damage resulting from the violation.
  - 2) A notice that the violation or the potential violation cease and desist or, in appropriate cases, the specific corrective action to be taken within a given time. A civil penalty may be issued with the order.
  - 3) Effective date. The cease and desist order issued under this Section shall become effective immediately upon receipt by the person to whom the order is directed.
  - 4) Compliance. Failure to comply with the terms of an administrative order can result in enforcement actions including, but not limited to, the issuance of a civil penalty.
  - 5) The order may include specific corrective measures to be taken to mitigate environmental damage.
  - 6) The order shall state that an affected party may request a hearing by sending a written request for a hearing to the Shoreline Administrator within ten (10) days of the receipt of said order and upon payment of the applicable appeal fee.
  - 7) Failure to comply with the terms and provisions of an administrative order issued under this Title shall constitute public nuisance and may be abated and prosecuted according to applicable law including LMC Section 8.16, Chapter 7.48 RCW and Chapter 9.66 RCW.
  - 8) Administrative orders pursuant to this Title shall be served upon the property owner, person, or party occupying the property by personal service or by mailing a copy of the order by certified mail, postage prepaid, return receipt requested, to the property owner at the property address or to the mailing address listed upon public records regarding the property. In the event that personal service or certified mail service cannot be completed, or the property owner cannot be identified or located, service of the order may be achieved by posting the administrative order in a conspicuous location upon the property.
    - a. Any person who undertakes any activity within an area regulated by the SMA or affiliated critical area or buffer without first obtaining an approval required by this Title, or who violates one or more conditions of any approval required by this Title, shall be subject to a Class 2 civil infraction citation with a mandatory \$250.00 fine. Any person who violates one or more conditions of administrative order issued under this Title may be subject to prosecution for a misdemeanor, and a maximum penalty of 90 days in jail and/or a \$1,000.00 fine may be imposed. Each violation and, in the case of a continuing violation, each violation and each day of activity without a required approval shall be a separate and distinct violation. An application for a required permit, when pursued in good faith, shall stay the accumulation of violations. The penalty provided shall be appealable as provided

by law.

- b. Any person, party, firm, corporation, or other legal entity convicted of violating any of the provisions of this Title, shall be guilty of a civil infraction or misdemeanor. Each day or portion of a day during which a violation of this Title is continued, committed, or permitted shall constitute a separate offense. Any development carried out contrary to the provisions of this Title shall constitute a public nuisance and it may be enjoined as provided by the Statutes of the State of Washington.

### 3. Suspension and Revocation

In addition to other penalties provided for elsewhere, the Shoreline Administrator may suspend or revoke any project permit approval if it finds that the applicant has not complied with any or all of the conditions or limitations set forth in the approval, has exceeded the scope of work set forth in the approval, or has failed to undertake the project in the manner set forth in the approved application.

### H. Shoreline Master Program Review by City of Lakewood

1. This SMP shall be periodically reviewed and amendments shall be made as are necessary to reflect changing local circumstances, new information or improved data, and changes in state statutes and administrative rules, and changes to the City's Comprehensive Plan and implementing regulations.
2. The City's established permit tracking system, aerial photos, reviewing of other available data, and field observations as feasible shall be used to periodically evaluate the effectiveness of this SMP in achieving no net loss of shoreline ecological functions with respect to both permitting and exemptions. This process shall also be used to periodically evaluate the cumulative effects of authorized development on shoreline conditions.
3. As part of any major update, an evaluation report assessing the effectiveness of the SMP in achieving no net loss shall be prepared and considered in determining whether policies and regulations are adequate in achieving this requirement.
4. The SMP periodic review process shall be consistent with requirements of RCW 90.58.080 and WAC 173-26-090 or its successor and shall include a local citizen involvement effort and public hearing to obtain the views and comments of the public.

### I. Amendments to the Shoreline Master Program

1. Any of the provisions of this SMP may be amended as provided for in RCW 90.58.120 and .200 and Chapter 173-26 WAC. Any amendments shall also be subject to the procedures in LMC Section 18A.02.
2. Amendments or revisions to the SMP, as provided by law, do not become effective until approved by Ecology.

### J. Severability

If any provisions of this SMP, or its application to any person or legal entity or parcel of land or circumstances is held invalid, the remainder of this SMP, or the application of the provisions to other persons or legal entities or parcels of land or circumstances, shall not be affected.

### K. Conflict of Provisions

Should a conflict occur between the provisions of this SMP or between this SMP and the laws,

regulations, codes or rules promulgated by any other authority having jurisdiction within the City, the requirement that most supports the purposes and provisions of the SMA as detailed in RCW 90.58.020 shall apply, as determined by the Shoreline Administrator, except when constrained by federal or state law.

#### 16.10.070

#### Chapter 7 Definitions and Abbreviations

THE FOLLOWING WORDS AND PHRASES ARE GIVEN THE DEFINITIONS AND/OR ABBREVIATIONS PROVIDED IN THIS CHAPTER FOR PURPOSES OF INTERPRETING THIS SMP.

**Accessory use or accessory structure** - Any subordinate use, structure, or building or portion of a building located on the same lot as the main use or building to which it is subordinate.

**Accretion** - The growth of a beach by the addition of material transported by wind and/or water, including, but not limited to, shore forms such as barrier beaches, points, spits, and hooks.

**Act** - The Shoreline Management Act (See Chapter 90.58 RCW).

**Adjacent lands or properties** - Lands adjacent to the shorelines of the state (outside of shoreline jurisdiction). The SMA directs local governments to develop land use controls (i.e. zoning, comprehensive planning) for such lands consistent with the policies of the SMA, related rules and the local SMP (see RCW 90.58.340).

**Agriculture** - Agricultural uses, practices and activities. In all cases, the use of agriculture related terms shall be consistent with the specific meanings provided in WAC 173-26-020. Accessory agricultural uses may consist of garden plots, livestock pens, barns, or other structures supporting incidental agriculture on the property.

**Anadromous fish** - Fish species, such as salmon, which are born in fresh water, spend a large part of their lives in the sea, and return to freshwater rivers and streams to procreate.

**Appurtenance** - A structure or development which is necessarily connected to the use and enjoyment of a single-family residence and is located landward of the OHWM and also of the perimeter of any wetland. For purposes of this SMP, normal appurtenances are outlined in Chapter 4, Section D(6)(c)(11).

**Aquaculture** - The commercial cultivation of fish, shellfish, and/or other aquatic animals or plants including the incidental preparation of these products for human use.

**Archaeological** - Having to do with the scientific study of material remains of past human life and activities.

**Associated wetlands** - Those wetlands that are in proximity to and either influence, or are influenced by tidal waters or a lake or stream subject to the SMA. (See WAC 173-22-030(1)).

**Average grade level** - The average of the natural or existing topography of the portion of the lot, parcel, or tract of real property which will be directly under the proposed building or structure; provided that in case of structures to be built over water, average grade level shall be the elevation of OHWM. Calculation of the average grade level shall be made by averaging the elevations at the center of all exterior walls of the proposed building or structure (See WAC 173-27-030(3)).

**Baseline** - The existing shoreline condition, in terms of both ecological function and shoreline use, established at the time this SMP is approved.

**Beach** - The zone of unconsolidated material that is moved by waves, wind and tidal currents, extending landward to the coastline.

**Beach enhancement/restoration** - Process of restoring a beach to a state that more closely resembles a natural beach, using beach feeding, vegetation, drift sills and other nonintrusive means as applicable.

**Beach feeding** - Landfill deposited on land or in the water to be distributed by natural water processes for the purpose of supplementing beach material.

**Benthic organism or Benthos** - Living organisms that live in or on the bottom layer of aquatic systems, at the interface of the sediment (or substrate) and overlying water column. Benthos commonly refers to an assemblage of insects, worms, algae, plants and bacteria.

**Berm** - A linear mound or series of mounds of sand and/or gravel generally paralleling the water at or landward of the OHWM. A linear mound may be used to screen an adjacent activity, such as a parking lot, from transmitting excess noise and glare.

**Best Management Practices (BMPs)** - Methods of improving water quality that can have a great effect when applied by numerous individuals. BMPs encompass a variety of behavioral, procedural, and structural measures that reduce the amount of contaminants in stormwater runoff and in receiving waters.

**Bioengineering** - see Soil bioengineering.

**Biofiltration system** - A stormwater or other drainage treatment system that utilizes the ability of plant life to screen out and metabolize sediment and pollutants. Typically, biofiltration systems are designed to include grassy swales, retention ponds and other vegetative features.

**Biota** - The animals and plants that live in a particular location or region.

**BMPs** - see Best Management Practices.

**Boat launch or ramp** - Graded slopes, slabs, pads, planks, or rails used for launching boats by means of a trailer, hand, or mechanical device.

**Boat lift** - A mechanical device that can hoist vessels out of the water for storage, usually located along a pier.

**Boat lift canopy** - A translucent canopy or awning that is attached to the boat lift to shield the boat from sun and precipitation.

**Boathouse** - A structure designed for storage of vessels located over water or on shorelands. Boathouses do not include "houseboats" or "floating homes." Boathouses have 4 walls and a solid roof, whereas covered moorage does not include walls, only a roof.

**Boating facility** - A public or private moorage structure or boat launch serving more than four (4) residences.

**Breakwater** - An offshore structure generally built parallel to the shore that may or may not be connected to land, built to protect a harbor, moorage, or navigational activity from wave and wind action by creating a still- water area along the shore and to protect the shoreline from wave-caused erosion.

**Buffer** or “buffer zone, strip, or area” means the area adjacent to a shoreline or critical area that separates and protects the area from adverse impacts associated with adjacent land uses.

**Bulkhead** - A vertical or nearly vertical erosion protection structure placed parallel to the shoreline at or near the OHWM, consisting of concrete, timber, steel, rock, or other permanent material not readily subject to erosion.

**CERCLA** - Comprehensive Environmental Response, Compensation, and Liability Act ("Superfund"); 1986 amendments are known as Superfund Amendments and Reauthorization Act or “SARA.”

**Channel Migration Zone (CMZ)** - The area within which a river channel is likely to move over a period of time, also referred to as the meander belt. Unless otherwise demonstrated through scientific and technical information, areas separated from the active river channel by legally existing artificial channel constraints that limit channel movement within incorporated municipalities and urban growth areas and all areas separated from the active channel by a legally existing artificial structure(s) that is likely to restrain channel migration, including transportation facilities, built above or constructed to remain intact through the one hundred-year flood should not be considered within the CMZ.

**Chapter 90.58 RCW** - The Shoreline Management Act of 1971.

**City** - The City of Lakewood.

**Clearing** - The destruction or removal of vegetation ground cover, shrubs and trees including, but not limited to, root material removal and/or topsoil removal.

**CMZ** - see Channel Migration Zone.

**Commercial** - Uses and facilities that are involved in wholesale or retail trade or business activities.

**Community Pier / Dock** - Joint use moorage serving more than four (4) residences that is tied to specific parcels by covenant or deed. Community piers are distinguished from marinas in that they do not offer moorage space for lease or sale.

**Comprehensive Plan** - Comprehensive plan means the document adopted by the city council, including all attachments, that outlines the City’s goals and policies relating to growth management, and prepared in accordance with Chapter 36.70A RCW.

**Conditional Use** - A use, development, or substantial development that is classified as a conditional use or is not classified within the SMP. (See WAC 173-27-030(4)).

**Conservation Easement** - A legal agreement that the property owner enters into to restrict uses of the land. Such restrictions can include, but are not limited to, passive recreation uses such as trails or scientific uses and fences or other barriers to protect habitat. The easement is recorded on a property deed, runs with the land, and is legally binding on all present and future owners of the property, therefore, providing permanent or long-term protection.



**Covered moorage** - Boat moorage, without solid walls, that has a solid roof to protect the vessel and is attached to the dock itself or the substrate of the lake.

**Cumulative impact** - The impact on the environment resulting from the incremental impact of past, present, and reasonably foreseeable future actions taken together regardless of what agency or person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time.

**Degrade** - To scale down in desirability or salability, to impair in respect to some physical property or to reduce in structure or function.

**Development** - The construction or exterior alteration of structures; dredging; drilling; dumping; filling; removal of any sand, gravel, or minerals; bulkheading; driving of piling; placing of obstructions; or any permanent or temporary project which interferes with the normal public use of the waters overlying lands subject to the SMA at any state of water level. "Development" does not include dismantling or removing structures if there is no other associated development or re-development. (See RCW 90.58.030(3a)).

**DFW** - the Washington State Department of Fish and Wildlife. **DNR** - the Washington State Department of Natural Resources. **Dock** - A floating moorage structure.

**Dredge spoil or Dredge material** - The material removed by dredging.

**Dredging** - Excavation or displacement of the bottom or shoreline of a water body by mechanical or hydraulic machines to maintain channel depths or berths for navigational purposes or to cleanup polluted sediments.

**Dwelling unit** - A single unit providing complete, independent living facilities for one or more persons, not to exceed one family, and includes permanent provisions for living, sleeping, eating, cooking and sanitation.

**EIS** - Environmental Impact Statement.

**Ecological functions** - The work performed or the role played by the physical, chemical, and biological processes that contribute to the maintenance of the aquatic and terrestrial environments that constitute the shoreline's natural ecosystem.

**Ecology** - The Washington State Department of Ecology.

**Ecosystem-wide processes** - The suite of naturally occurring physical and geologic processes of erosion, transport, and deposition; and specific chemical processes that shape landforms within a specific shoreline ecosystem and determine both the types of habitat and the associated ecological functions.

**EII** - Terminal section of a pier which typically extends perpendicular to the pier walkway. These sections can be either on fixed-piles or floating docks and are typically wider than the pier walkway.

**Emergency** - An unanticipated and imminent threat to public health, safety, or the environment which requires immediate action within a time too short to allow full compliance with the SMP. Emergency construction is construed narrowly as that which is necessary to protect property from damage by the elements. For a complete definition of

emergency, including required follow up actions and exclusions from this definition, see RCW 90.58.030(3eiii) and WAC 173-27-040(2d)).

**Endangered Species Act (ESA)** - A federal law intended to protect any fish or wildlife species that are threatened with extinction throughout all or a significant portion of its range. (See 16 U.S.C. § 1531 et seq.).

**Enhancement** - Alteration of an existing resource to improve or increase its characteristics and processes without degrading other existing functions. Enhancements are to be distinguished from resource creation or restoration projects.

**Environmental impacts** - The effects or consequences of actions on the natural and built environments, including effects upon the elements of the environment listed in the State Environmental Policy Act. (See WAC 197-11-600 and WAC 197-11-444).

**Environmentally Sensitive Areas Ordinance 362, City of Lakewood** - This ordinance provides the goals, policies, and implementing regulations for protecting the designated critical areas of the City. The ordinance addresses environmentally sensitive area development controls; measures important for protecting and preserving these resources; preventing or mitigating cumulative adverse environmental impacts to critical areas; and serves to alert the public to the development limitations of critical areas.

**Environments or Shoreline Environment** - Designations given to specific shoreline areas based on the existing development pattern, the biophysical capabilities and limitations, and the goals and aspirations of local citizenry, as part of an SMP.

**Erosion** - The wearing away of land by of natural forces.

**Exaction** – A concept in real property law where a condition for development is imposed on a parcel of land that requires the developer to mitigate anticipated negative impacts of the development.

**Excavated moorage slip** - A boat mooring location that is man-made in that it requires dredging or excavation of excess sediment to afford access. Such slips may often involve dredging of the lake bottom waterward of the OHWM, or may include excavating a segment of the existing shoreline to enable moorage of a boat.

**Excavation** - The artificial movement of earth materials.

**Exemption** - Specific developments exempt from the definition of substantial developments and the Substantial Development Permit process of the SMA. An activity that is exempt from the substantial development provisions of the SMA must still be carried out in compliance with policies and standards of the Act and the local SMP. CUPs and/or Variances may also still be required even though the activity does not need a Substantial Development Permit. For a complete list of exemptions, see WAC 173-27-040.

**Fair market value** - The open market bid price for conducting the work, using the equipment and facilities, and purchasing the goods, services and materials necessary to accomplish a development, normally the cost of hiring a contractor to undertake the development from start to finish, including the cost of labor, materials, equipment and facility usage, transportation and contractor overhead and profit. The fair market value of the development shall include the fair market value of any donated, contributed or found labor, equipment or materials (See WAC 173-27-030(8)).

**Feasible** - An action, such as a development project, mitigation, or preservation requirement, that meets all of the following conditions:

- (a) The action can be accomplished with technologies and methods that have been used in the past in similar circumstances, or studies or tests have demonstrated in similar circumstances that such approaches are currently available and likely to achieve the intended results;
- (b) The action provides a reasonable likelihood of achieving its intended purpose; and
- (c) The action does not physically preclude achieving the project's primary intended legal use.

In cases where certain actions are required unless they are infeasible, the burden of proving infeasibility is on the applicant. In determining an action's infeasibility, the reviewing agency may weigh the action's relative public costs and public benefits, considered in the short- and long-term time frames.

**Fill** - The addition of soil, sand, rock, gravel, sediment, earth retaining structure, or other material to an area waterward of the OHWM, in wetland, or on shorelands in a manner that raises the elevation or creates dry land.

**Finger pier or fingers** - A narrow extension to a fixed-pile pier, usually extending perpendicular to the pier walkway along with an ell to form an enclosed area for boat moorage.

**Float** - A floating structure that is moored, anchored, or otherwise secured in the water offshore and that may be associated with a fixed-pile pier, or may be a standalone structure, such as platforms used for swimming and diving.

**Floating dock** - A fixed structure floating upon a water body for the majority of its length and connected to shore.

**Floating home** - A structure designed and operated substantially as a permanently based over water residence, typically served by permanent utilities and semi-permanent anchorage/moorage facilities. Floating homes are not vessels and lack adequate self-propulsion and steering equipment to operate as a vessel.

**Floodplain** - The land area susceptible to inundation with a one percent (1%) chance of being equaled or exceeded in any given year (synonymous with 100-year floodplain). The limits of this area are based on flood regulation ordinance maps or a reasonable method that meets the objectives of the SMA (See WAC 173-22- 030(2)).

**Floodway** - The area, as identified in an SMP, that has been established in Federal Emergency Management Agency flood insurance rate maps (FIRM) or floodway maps. The floodway does not include lands that can reasonably be expected to be protected from flood waters by flood control devices maintained by or maintained under license from the federal government, the state, or a political subdivision of the state.

**Geotechnical report or Geotechnical analysis** - A scientific study or evaluation conducted by a qualified expert that includes a description of the ground and surface hydrology and geology; the affected land form and its susceptibility to mass wasting, erosion, and other geologic hazards or processes; conclusions and recommendations regarding the effect of the proposed development on geologic conditions; the adequacy of the site to be developed; the

impacts of the proposed development; alternative approaches to the proposed development; and measures to mitigate potential site-specific and cumulative geological and hydrological impacts of the proposed development, including the potential adverse impacts to adjacent and down-current properties. Geotechnical reports shall conform to accepted technical standards and must be prepared by qualified professional engineers or geologists who have professional expertise about the regional and local shoreline geology and processes.

**Grading** - The physical manipulation of the earth's surface and/or drainage pattern in preparation for an intended use or activity.

**Grassy swale** - A vegetated drainage channel that is designed to remove various pollutants from storm water runoff through biofiltration.

**Groin** - A barrier-type structure extending from, and usually perpendicular to, the backshore into a water body, to protect a shoreline and adjacent upland by influencing water movement and/or material deposits. This is accomplished by building or preserving an accretion beach on its up drift side by trapping littoral drift. A groin is relatively narrow in width but varies greatly in length. A groin is sometimes built in a series as a system and may be permeable or impermeable, high or low, and fixed or adjustable.

**Habitat** - The place or type of site where a plant or animal naturally or normally lives and grows.

**Hearing Examiner** - The Hearing Examiner of the City of Lakewood.

**Height** - The distance measured from the average grade level to the highest point of a structure; provided, that television antennas, chimneys and similar appurtenances shall not be used in calculating height, except where it obstructs the view of a substantial number of residences on areas adjoining such shorelines. Temporary construction equipment is excluded in this calculation (See WAC 173-27-030(9)).

**Heliport** - Any landing area or other facility used or intended to be used by private aircraft for landing or taking off of aircraft, including all associated or necessary buildings and open spaces.

**Hoist** - A device used for lifting or lowering a load by means of a drum or lift-wheel around which rope, fiber or chain wraps. It may be manually operated, electrically or pneumatically driven.

**Houseboat** - A vessel, principally used as an over water residence, licensed and designed for use as a mobile structure with detachable utilities or facilities, anchoring, and the adequate self-propulsion and steering equipment to operate as a vessel. Principal use as an overwater residence means occupancy in a single location, for a period exceeding two (2) months in any one calendar year. This definition includes live aboard vessels.

**Impervious surface** - Any horizontal surface artificially covered or hardened so as to prevent or impede the water percolation into the soil mantle including, but not limited to, roof tops, swimming pools, or paved or graveled roads, walkways or parking areas, but excluding landscaping and surface water retention/detention facilities.

**In-stream structure** - A structure placed by humans within a stream or river waterward of the OHWM that either causes or has the potential to cause water impoundment or water flow diversion, obstruction, or modification. In-stream structures may include structures used for hydroelectric generation, irrigation, water supply, flood control, transportation, utility service, fish habitat enhancement, or other purpose.

**Joint Use Pier or Dock** - A pier, dock, or secured float or floats for vessel moorage, fishing, or other water use that is shared by two (2) or more residences, up to four (4) residences. Joint use moorage serving more than four residences is considered a community pier or dock.

**Lake** - A body of standing water in a depression of land or expanded part of a river, including, but not limited to, reservoirs of twenty (20) acres or greater in total area. A lake is bounded by the OHWM or, where a stream enters a lake, the extension of the elevation of the lake's OHWM within the stream (WAC 173-20-030; WAC 173-22-030(4)).

**Landfill** - The creation of, or addition to, a dry upland area (landward of the OHWM) by the addition of rock, soil, gravels and earth or other material, but not solid or hazardous waste.

**Landscaping** - Vegetation ground cover including shrubs, trees, flower beds, grass, ivy and other similar plants and including tree bark and other materials which aid vegetative growth and maintenance.

**Launching rail** - See Boat launch or ramp. **Launching ramp** - See Boat launch or ramp. **LID** - Low Impact Development.

**Littoral** - Living or occurring on the shore.

**Littoral drift** - The mud, sand, or gravel material moved parallel to the shoreline in the nearshore zone by waves and currents. **Marina** - A private or public facility providing the purchase or lease of a slip for storing, berthing and securing boats or watercraft, including both long-term and transient moorage, including, but not limited to, accessory facilities that provide incidental services to marina users, such as waste collection, boat sales or rental activities, and retail establishments providing fuel service, repair or service of boat. Community docks and piers, which serve specific upland parcels and which do not offer moorage for purchase by the general public, shall not be considered to be marinas.

**Lot Width** - The average horizontal distance between the side lot lines, ordinarily measured parallel to the front lot lines, except that portion of a flag lot that usually forms an extended access way to a street right-of-way.

**Low Impact Development (LID)** - A stormwater and land use management strategy that strives to mimic pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation, and transpiration by emphasizing conservation, use of on-site natural features, site planning, and distributed stormwater management practices that are integrated into a project design.

**May** - Signifies an action is permitted but not required, provided it conforms to the provisions of this SMP.

**Mitigation or Mitigation sequencing** - The process of avoiding, reducing, or compensating for the environmental impact(s) of a proposal through the following sequence of steps, listed in order of priority: (See WAC 197-11-768 and WAC 173-26-201(2)(e)(1)).

- (a) Avoiding the impact all together by not taking a certain action or parts of an action;
- (b) Minimizing impacts by limiting the degree or magnitude of the action by using appropriate technology or by taking affirmative steps to avoid or reduce impacts;
- (c) Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;
- (d) Reducing or eliminating the impact over time by preservation and maintenance

- operations;
- (e) Compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and
  - (f) Monitoring the impact and the compensation projects and taking appropriate corrective measures.

**Moorage** - Any device or structure used to secure a vessel for temporary anchorage, but which is not attached to the vessel (such as a pier or buoy).

**Moorage Piles** - Structural members driven into the lake bed to serve as a stationary moorage point. They are typically used for moorage of small boats in the absence of, or instead of, a dock or pier. In some cases, moorage piles may be associated with a dock or pier.

**Multi-family dwelling or Multi-family residence** - A building containing two (2) or more dwelling units, including, but not limited to, duplexes, triplexes, four-plexes, apartment buildings and condominium buildings.

**Must** - Signifies an action is required.

**Native plants** - Plants that occur naturally, and that distribute and reproduce without aid. Native plants in western Washington are those that existed prior to intensive settlement that began in the 1850s.

**Nonconforming use, development, structure, or lot** - (a) "Nonconforming use" means an existing shoreline use that was lawfully established prior to the effective date of the act or the applicable master program, but which does not conform to present use regulations due to subsequent changes to the master program. (b) "Nonconforming development" or "nonconforming structure" means an existing structure that was lawfully constructed at the time it was built but is no longer fully consistent with present regulations such as setbacks, buffers or yards; area; bulk; height or density standards due to subsequent changes to the master program. (c) "Nonconforming lot" means a lot that met dimensional requirements of the applicable master program at the time of its establishment but now contains less than the required width, depth or area due to subsequent changes to the master program (See WAC 173-27-080).

**Normal maintenance** – Those usual acts to prevent a decline, lapse, or cessation from a lawfully established condition.

**Normal repair** – To restore a development to a state comparable to its original condition, including but not limited to its size, shape, configuration, location and external appearance, within a reasonable period after decay or partial destruction, except where repair causes substantial adverse effects to shoreline resource or environment.

**Ordinary High Water Mark (OHWM)** - The mark that will be found by examining the bed and banks and ascertaining where the presence and action of waters are so common and usual, and so long continued in all ordinary years, as to mark upon the soil a character distinct from that of the abutting upland, in respect to vegetation as that condition exists on June 1, 1971, as it may naturally change thereafter, or as it may change thereafter in accordance with permits issued by a local government or Ecology provided, that in any area where the OHWM cannot be found, OHWM adjoining fresh water shall be the line of mean high water. (See RCW 90.58.030(2)(c) and WAC 173-22-030(5)).

**Overwater structure** - Any device or structure projecting over the OHWM, including, but not limited to, piers, docks, floats, and moorage.

**Permit or Shoreline Permit** - Any substantial development permit, CUPs or variance, or revision, or any combination thereof, authorized by the Act (See WAC 173-27-030(13)).

**Pier** - A fixed, pile-supported moorage structure.

**Primary structure** – The structure associated with the principal use of the property. This also includes single family residential appurtenant structures (such as a garages, attached decks, driveways, utilities, and septic tanks and drainfields) that cannot feasibly be relocated. It does not include structures such as tool sheds, gazebos, greenhouses or other ancillary residential improvements that can feasibly be moved landward to prevent the erosion threat.

**Priority habitat** - A habitat type with unique or significant value to one or more species. An area classified and mapped as priority habitat must have one or more of the following attributes:

- 1) Comparatively high fish or wildlife density;
- 2) Comparatively high fish or wildlife species diversity;
- 3) Fish spawning habitat;
- 4) Important wildlife habitat;
- 5) Important fish or wildlife seasonal range;
- 6) Important fish or wildlife movement corridor;
- 7) Rearing and foraging habitat;
- 8) Important marine mammal haul-out;
- 9) Refuge habitat;
- 10) Limited availability;
- 11) High vulnerability to habitat alteration;
- 12) Unique or dependent species; or
- 13) Shellfish bed.

A priority habitat may be described by a unique vegetation type or by a dominant plant species that is of primary importance to fish and wildlife (such as oak woodlands or eelgrass meadows); by a successional stage (such as, old growth and mature forests); or by a specific habitat element (such as a consolidated marine/estuarine shoreline, talus slopes, caves, snags) of key value to fish and wildlife. A priority habitat may contain priority and/or non-priority fish and wildlife.

**Priority species** - Species requiring protective measures and/or management guidelines to ensure their persistence at genetically viable population levels, and that meet any of the criteria listed below:

- (a) State-listed or state proposed species. State-listed species are those native fish and wildlife species legally designated as endangered (WAC 232-12-014), threatened (WAC 232-12-011), or sensitive (WAC 232-12-011). State proposed species are those fish and wildlife species that will be reviewed by DFW (POL-M-6001) for possible listing as endangered, threatened, or sensitive according to the process and criteria defined in WAC 232-12-297.
- (b) Vulnerable aggregations. Vulnerable aggregations include those species or groups of animals susceptible to significant population declines, within a specific area or statewide, by virtue of their inclination to congregate. Examples include heron colonies, seabird concentrations, and marine mammal congregations.
- (c) Species of recreational, commercial, and/or tribal importance. Native and nonnative



fish, shellfish, and wildlife species of recreational or commercial importance and recognized species used for tribal ceremonial and subsistence purposes that are vulnerable to habitat loss or degradation.

- (d) Species listed under the federal Endangered Species Act as proposed, threatened, or endangered.

**Professional engineer** - A person who, by reason of his or her special knowledge of the mathematical and physical sciences and the principles and methods of engineering analysis and design, acquired by professional education and practical experience, is qualified to practice engineering and is licensed by the State of Washington or another state.

**Proposed, Threatened, and Endangered Species** - Those native species that are proposed to be listed or are listed by DFW as threatened or endangered, or that are proposed to be listed or are listed as threatened or endangered under the federal Endangered Species Act.

**Public access** - The ability of the general public to reach, touch, and enjoy the water's edge, to travel on the waters of the state, and to view the water and the shoreline from adjacent locations. (See WAC 173-26- 221(4)).

**Public interest** - The interest shared by the citizens of the state or community at large in the affairs of government, or some interest by which their rights or liabilities are affected such as an effect on public property or on health, safety, or general welfare resulting from a use or development (See WAC 173-27- 030(14)).

**Public use** - Public use means to be made available daily to the general public on a first-come, first-served basis, and may not be leased to private parties on any more than a day use basis. (See WAC 332-30-106)).

**RCW** - Revised Code of Washington.

**Residential development** - Development which is primarily devoted to or designed for use as a dwelling(s), including, but not limited to, single-family development, multi-family development, and the creation of new residential lots through land division.

**Recreational float** - A floating structure that is moored, anchored, or otherwise secured in the water offshore and that is generally used for recreational purposes such as swimming and diving.

**Recreational Use or Development** - Facilities such as parks, trails, and pathways, whether public, private or commercial, that provide a means for relaxation, play, or amusement. For the purposes of this SMP, recreational facilities are divided into two categories:

- 1) Water-oriented (i.e. - moorage facilities, fishing piers, recreational floats, trails, swimming beaches, overlooks, etc.); and
- 2) Non-water-oriented (i.e. - sports fields, golf courses, sport courts, etc.).

**Restoration or Ecological restoration** - The reestablishment or upgrading of impaired ecological shoreline processes or functions accomplished through measures including, but not limited to, revegetation, removal of intrusive shoreline structures and removal or treatment of toxic materials. Restoration does not imply a requirement for returning the shoreline area to aboriginal or pre-European settlement conditions.

**Riparian** - Of, on, or pertaining to the banks of a river, stream or lake.

**Riprap** - A layer, facing, or protective mound of stones placed to prevent erosion, scour, or sloughing of a structure or embankment; also, the stone so used.

**Rotovating** - An aquatic vegetation harvesting technique that uses rototilling technology to uproot and remove plants.

**Runoff** - Water that is not absorbed into the soil but rather flows along the ground surface following the topography.

**Sediment** - The fine-grained material deposited by water or wind.

**SEPA** - see State Environmental Policy Act

**SEPA Checklist** - The checklist required of some projects under SEPA to identify the probable significant adverse impacts on the quality of the environment, to help to reduce or avoid impacts from a proposal, and to help the responsible governmental agency decide whether a full environmental impact statement (EIS) is required (See WAC 197-11-960).

**Setback** - A required open space, specified in SMPs, measured horizontally upland from and perpendicular to the OHWM. "Setback" means the distance a building structure is placed behind a specified limit such as a lot line or shoreline buffer.

**Shall** - Signifies an action is required.

**Shorelands or Shoreland Areas** - Those lands extending landward for two hundred (200) feet in all directions as measured on a horizontal plane from the OHWM; floodways and contiguous flood plain areas landward two hundred (200) feet from such floodways; and all wetlands and river deltas associated with the streams, lakes, and tidal waters which are subject to the provisions of the SMA. Shorelands in the City are limited to those areas within two hundred (200) feet of the OHWM of American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek and any associated wetlands.

**Shoreline Administrator** - The City of Lakewood Planning and Community Development Director or his/her designee, charged with the responsibility of administering this SMP.

**Shoreline jurisdiction** - All of the geographic areas covered by the SMA, related rules and the applicable SMP. In the City, shoreline jurisdiction includes American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek, those areas within two hundred (200) feet of the OHWM of these water bodies, and any associated wetlands. See definitions of Shorelines, Shorelines of the state, Shorelines of statewide significance, Shorelands, and Wetlands.

**Shoreline Management Act (SMA)** - Chapter 90.58 RCW, as amended. Washington law adopted to prevent the inherent harm in an uncoordinated and piecemeal development of the state's shorelines.

**Shoreline Master Program (SMP)** - The comprehensive use plan and related use regulations used by local governments to administer and enforce the permit system for shoreline management. SMPs must be developed in accordance with the policies of the SMA, be approved and adopted by the state, and be consistent with the rules (WACs) adopted by Ecology.

**Shoreline Master Program Guidelines** - The Shoreline Master Program (SMP) Guidelines are state standards which local governments must follow in drafting their shoreline master programs. The Guidelines translate the broad policies of the Shoreline Management Act (RCW 90.58.020) into standards for regulation of shoreline uses. The guidelines are found in WAC 173-26, Part III.

**Shoreline modification** - Those actions that modify the physical configuration or qualities of the shoreline area, usually through the construction of a physical element such as a dike, breakwater, pier, weir, dredged basin, fill, bulkhead, or other shoreline structure. They can also include other actions, such as clearing, grading, or application of chemicals or significant vegetation removal.

**Shoreline stabilization** - Actions taken to address erosion impacts to property and dwellings, businesses, or structures caused by natural processes, such as current, flood, tides, wind or wave action. These actions include structural measures such as bulkheads and nonstructural methods such as building setbacks or relocation of structures.

**Shoreline vegetation management plan (SVMP)** - A plan prepared by a qualified professional that identifies appropriate mitigation, performance assurances, and maintenance and monitoring requirements necessary to assure no net loss of ecological functions.

**Shorelines** - All of the water areas of the state, including reservoirs and their associated shorelands, together with the lands underlying them, except those areas excluded under RCW 90.58.030(2)(e).

**Shorelines Hearings Board** - A state-level quasi-judicial body, created by the SMA, which hears appeals by any aggrieved party on the issuance of a shoreline permit, enforcement penalty and appeals by local government. (See RCW 90.58.170; 90.58.180).

**Shorelines of statewide significance** - A select category of shorelines of the state, defined in RCW 90.58.030(2)(f), where special use preferences apply and greater planning authority is granted by the SMA. SMP policies, use regulations and permit review must acknowledge the use priorities for these areas established by the SMA. (See RCW 90.58.020). In Lakewood, American Lake is the only lake considered to have shorelines of statewide significance and subject to RCW 90.58.

**Shorelines of the state** - Shorelines and shorelines of statewide significance.

**Should** - Signifies an action is required unless there is a demonstrated, compelling reason, based on policy of the SMA and this SMP, against taking the action.

**Sign** - A board or other display containing words and/or symbols used to identify or advertise a place of business or to convey information. Excluded from this definition are signs required by law and the flags of national and state governments.

**Significant vegetation removal** – The removal or alteration of trees, shrubs, and/or ground cover by clearing, grading, cutting, burning, chemical means, or other activity that causes significant ecological impacts to functions provided by such vegetation. The removal of invasive or noxious weeds does not constitute significant vegetation removal. Tree pruning, not including tree topping, where it does not affect ecological functions, does not constitute significant vegetation removal.

**Single-family residence** - A detached dwelling designed for and occupied by one (1) family

including those structures and developments within a contiguous ownership which are a normal appurtenance (See Chapter 4, Section D(6)(c)(11)).

**SMA** - see Shoreline Management Act.

**SMP** - see Shoreline Master Program.

**Soil bioengineering** - An applied science that combines structural, biological and ecological concepts to construct living structures that stabilize soils to control erosion, sedimentation and flooding using live plant materials as a main structural component.

**Solid waste** - All garbage, rubbish trash, refuse, debris, scrap, waste materials and discarded materials of all types, whether the sources be residential or commercial, exclusive of hazardous wastes, and including any and all source-separated recyclable materials and yard waste.

**State Environmental Policy Act (SEPA)** - State law that requires state agencies, local governments and other lead agencies to consider environmental factors when making most permit decisions, especially for development proposals of a significant scale. As part of the SEPA process, EISs and public comment may be required.

**Stream** - A naturally occurring body of periodic or continuously flowing water where the mean annual flow is greater than twenty (20) cubic feet per second and the water is contained within a channel (See WAC 173-22- 030(8)).

**Structure** - A permanent or temporary edifice or building, or any piece of work artificially built or composed of parts joined together in some definite manner, whether installed on, above or below the surface of the ground or water, except for vessels (See WAC 173-27-030(15)).

**Substantial Development** - Any development of which the total cost or fair market value exceeds seven thousand and forty seven dollars (\$7,047), or any development which materially interferes with the normal public use of the water or shorelines of the state. The dollar threshold established in this definition must be adjusted for inflation by the Washington State Office of Financial Management every five (5) years based upon changes in the consumer price index during that time period. "Consumer price index" means, for any calendar year, that year's annual average consumer price index, Seattle, Washington area, for urban wage earners and clerical workers, all items, compiled by the Bureau of Labor and Statistics, United States Department of Labor. The total cost or fair market value of the development shall include the fair market value of any donated, contributed or found labor, equipment or materials. A list of activities and developments that shall not be considered substantial development is provided in Chapter 7 (See WAC 173- 27-040(2)(a)).

**SVMP** - see Shoreline Vegetation Management Plan.

**Terrestrial** - Of or relating to land as distinct from air or water.

**Upland** - The dry land area above and landward of the OHWM.

**Utilities** - Services and facilities that produce, transmit, store, process or dispose of electric power, gas, water, stormwater, sewage and communications.

**Utilities, Primary** - Utilities comprised of trunk lines or mains that serve neighborhoods, areas and cities. Examples include solid waste handling and disposal sites, water transmission

lines, sewage treatment facilities and mains, power generating or transmission facilities, gas storage and transmission facilities and stormwater mains and regional facilities.

**Utilities, Secondary** - Utilities comprised of small-scale distribution and collection facilities connected directly to development within the shoreline area. Examples include local power, telephone, cable, gas, water, sewer and stormwater service lines.

**Variance** - A means to grant relief from the specific bulk, dimensional or performance standards specified in the applicable SMP, but not a means to vary a shoreline use. A variance must be specifically approved, approved with conditions, or denied by Ecology (See WAC 173-27-170).

**WAC** - Washington Administrative Code.

**Water-dependent use** - A use or a portion of a use which cannot exist in any other location and is dependent on the water by reason of the intrinsic nature of its operations, including, but not limited to, moorage structures (including those associated with residential properties), ship cargo terminal loading areas, ferry and passenger terminals, barge loading facilities, ship building and dry docking, marinas, aquaculture, float plane facilities and sewer outfalls.

**Water-enjoyment use** - A recreational use or other use that facilitates public access to the shoreline as a primary characteristic of the use; or a use that provides for recreational use or aesthetic enjoyment of the shoreline for a substantial number of people as a general characteristic of the use and which through location, design, and operation ensures the public's ability to enjoy the physical and aesthetic qualities of the shoreline. In order to qualify as a water-enjoyment use, the use must be open to the general public and the shoreline-oriented space within the project must be devoted to the specific aspects of the use that fosters shoreline enjoyment.

**Water-oriented use** - Refers to any combination of water-dependent, water-related, and/or water enjoyment uses.

**Water quality** - The physical characteristics of water within shoreline jurisdiction, including water quantity, hydrological, physical, chemical, aesthetic, recreation-related, and biological characteristics. "Water quantity" refers only to development and uses regulated and affecting water quantity, such as impermeable surfaces and storm water handling practices. Water quantity does not mean the withdrawal of ground water or diversion of surface water pursuant to RCW 90.03.250 through RCW 90.03.340.

**Water-related use**- A use or a portion of a use which is not intrinsically dependent on a waterfront location but whose economic viability is dependent upon a waterfront location because:

- 1) Of a functional requirement for a waterfront location such as the arrival or shipment of materials by water or the need for large quantities of water or,
- 2) The use provides a necessary service supportive of the water-dependent commercial activities and the proximity of the use to its customers makes its services less expensive and/or more convenient. Examples include manufacturers of ship parts large enough that transportation becomes a significant factor in the products cost, professional services serving primarily water-dependent activities and storage of water-transported foods. Examples of water-related uses may include warehousing of goods transported by water, seafood processing plants, hydroelectric generating

plants, gravel storage when transported by barge, oil refineries where transport is by tanker and log storage.

**Wetlands or Wetland areas** - Areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, generally including swamps, marshes, bogs and similar areas, but not those artificial wetlands intentionally created from non-wetland sites, such as irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities, or those wetlands created after July 1, 1990, that were unintentionally created as a result of the construction of a road, street, or highway. Wetlands may include those artificial wetlands intentionally created from non-wetland areas to mitigate the conversion of wetlands.

**Zoning** - To designate by ordinance, including maps, areas of land reserved and regulated for specific land uses.

**EXHIBIT B**

**Shoreline Restoration Plan Component of the Shoreline  
Master Program for the City of Lakewood**

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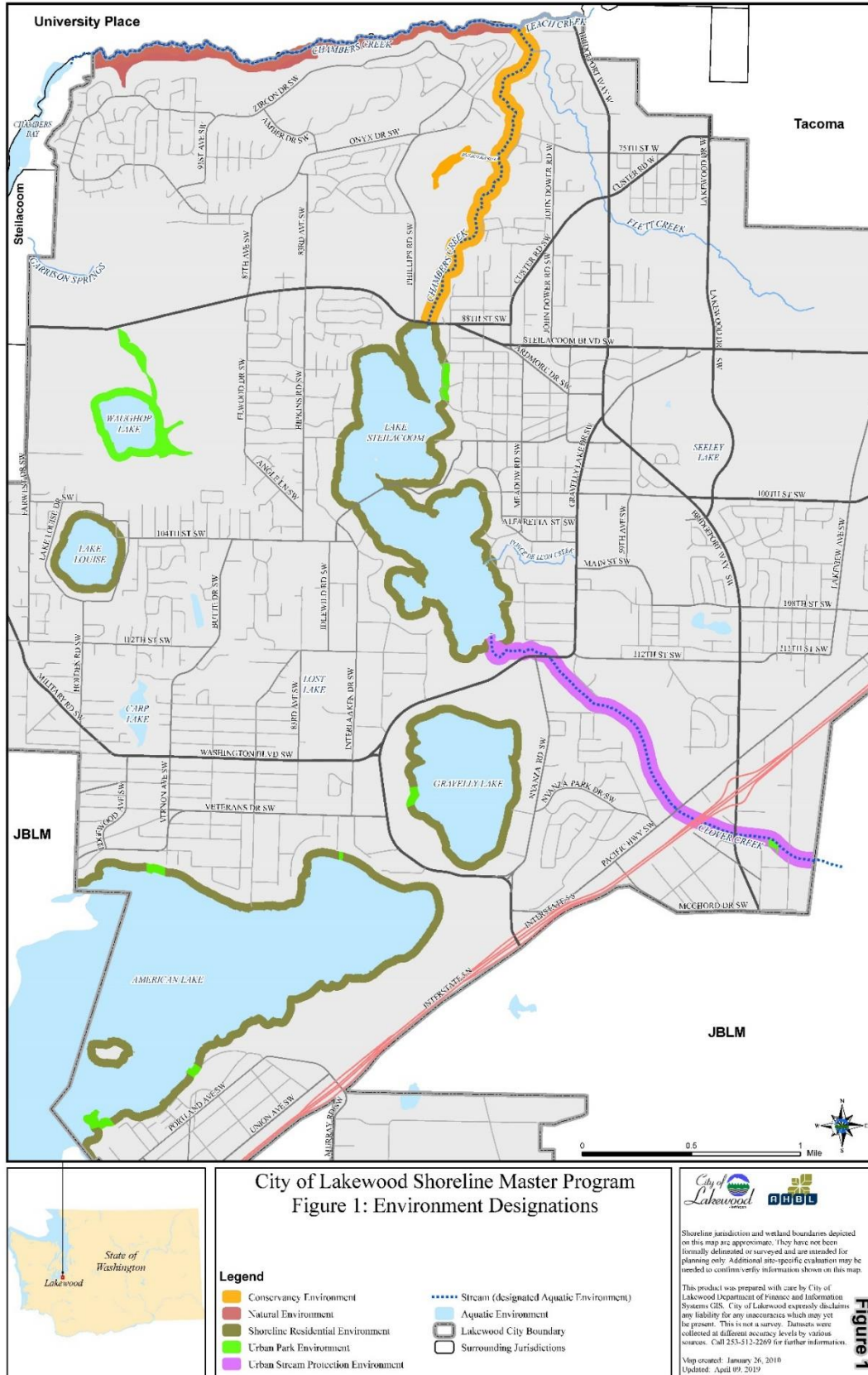
***May 6, 2019 City Council adopted; September 9, 2019 ECY approved***



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**Figure 1: Shoreline Master Program Environmental Designations**



# SHORELINE MASTER PROGRAM UPDATE

## SHORELINE RESTORATION PLAN

### 1. INTRODUCTION

A jurisdiction's Shoreline Master Program applies to activities in the jurisdiction's shoreline zone. Activities that have adverse effects on the ecological functions and values of the shoreline must provide mitigation for those impacts. By law, the proponent of that activity is not required to return the subject shoreline to a condition that is better than the baseline level at the time the activity takes place. How then can the shoreline be improved over time in areas where the baseline condition is severely, or even marginally, degraded?

Section 173-26-201(2)(f) WAC of the Shoreline Master Program Guidelines<sup>1</sup> says:

“master programs shall include goals and policies that provide for restoration of such impaired ecological functions. These master program provisions shall identify existing policies and programs that contribute to planned restoration goals and identify any additional policies and programs that local government will implement to achieve its goals. These master program elements regarding restoration should make real and meaningful use of established or funded nonregulatory policies and programs that contribute to restoration of ecological functions, and should appropriately consider the direct or indirect effects of other regulatory or nonregulatory programs under other local, state, and federal laws, as well as any restoration effects that may flow indirectly from shoreline development regulations and mitigation standards.”

However, degraded shorelines are not just a result of pre-Shoreline Master Program activities, but also of unregulated activities and exempt development. The new Guidelines also require that “[l]ocal master programs shall include regulations ensuring that exempt development in the aggregate will not cause a net loss of ecological functions of the shoreline.” While some actions within shoreline jurisdiction are exempt from a permit, the Shoreline Master Program should clearly state that those actions are not exempt from compliance with the Shoreline Management Act or the local Shoreline Master Program. Because the shoreline environment is also affected by activities taking place outside of a specific local master program's jurisdiction (e.g., outside of city limits, outside of the shoreline zone within the city), assembly of actions, programs and policies within the larger watershed that have the potential to impact shoreline ecological functions can be essential for understanding how the City fits into the larger context. The latter is critical when establishing realistic goals and objectives for dynamic and highly inter-connected environments.

As directed by the Guidelines, the following discussions provides a very brief summary of baseline shoreline conditions, lists restoration goals and objectives, and discusses existing or potential programs and projects that positively impact the shoreline environment. Finally, anticipated scheduling, funding, and monitoring of these various comprehensive restoration elements are provided. In total, implementation of the Shoreline Master Program (with mitigation of project-related impacts) in combination with this Restoration Plan (for restoration of lost ecological functions that occurred prior to a specific project) should result in a net improvement in the City of Lakewood's shoreline environment in the long term.

In addition to meeting the requirements of the Guidelines, this Restoration Plan is also intended to

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<sup>1</sup> The Shoreline Master Program Guidelines were prepared by the Washington Department of Ecology and codified as WAC 173-26. The Guidelines translate the broad policies of the Shoreline Management Act (RCW 90.58.020) into standards for regulation of shoreline uses. See <http://www.ecy.wa.gov/programs/sea/sma/guidelines/index.html> for more background.

support the City's or other non-governmental organizations' applications for future grant funding to implement elements of this Restoration Plan.



Lakewood volunteers working in 2017 on shoreline restoration

## 2. SHORELINE ANALYSIS AND CHARACTERIZATION SUMMARY

### 2.1 Watershed Context and Shoreline Boundary

The City of Lakewood retained AHBL and Otak to conduct an inventory and characterization of the City's shorelines in 2009 and 2010. The purpose of the shoreline inventory was to facilitate the City's compliance with the State of Washington's Shoreline Management Act (SMA) and updated Shoreline Master Program Guidelines. The inventory describes existing physical and biological conditions in the shoreline zone within City limits, including recommendations for restoration of ecological functions where they are degraded. The full Shoreline Analysis Report characterizes shoreline function for each waterbody and describes the areas that fall within the shoreline jurisdiction of the City.

### 2.2 Biological Resources and Critical Areas

As described in the Shoreline Analysis Report, the shoreline jurisdiction contains a variety of biological resources and environmentally critical areas, including wetlands, geologic hazards, aquifer recharge areas, wellhead protection zones, and critical fish habitat. Wetlands within the shoreline jurisdiction are primarily confined to the northern reaches of Chambers Creek and adjacent to Waughop Lake, with limited wetlands along Clover Creek. Frequently flooded areas are found along Chambers and Clover Creeks.

Steep slopes and geologically hazardous areas are scattered throughout the city, and each water body's associated jurisdiction contains a small amount of steep slope areas, with the exception of Clover Creek, which contains no documented geologic hazards.

The entire City of Lakewood lies within an aquifer recharge area. Portions of Clover Creek and the shoreline jurisdictions associated with American Lake, Lake Steilacoom, Gravelly Lake, Lake Louise, and Waughop Lake fall within a 1-year wellhead protection zone.

Steelhead of the Puget Sound Distinct Population Segment (DPS) (U.S. Federal Register, 11 May 2007) is the only federally listed salmonid species that occurs in the City of Lakewood. Steelhead presence is documented in Chambers Creek and their presence is assumed in Lake Steilacoom and Clover Creek

(StreamNet 2010). Additionally, Puget Sound-Strait of Georgia coho salmon (a PHS Species) also occur in the basin and are listed as a Species of Concern (U.S. Federal Register, 15 April 2004), indicating that they are under less active consideration for formal listing. Coho spawn in Chambers and Clover Creeks and their presence is documented in Lake Steilacoom (StreamNet 2010). Critical habitat for Puget Sound steelhead within the City of Lakewood was finalized in 2016 (Federal Register 2016). The Chambers Bay estuary fish ladder traps are used at certain times to capture upstream adult migrants, mainly Chinook, as part of a segregated hatchery and estuary fishery program. The fish ladders are left open during the remainder of the year to allow passage of other diadromous species (e.g., chum, coho, steelhead and cutthroat trout). Chinook salmon are usually not released upstream, but spawn are taken to Garrison Springs Hatchery for rearing. The Garrison Springs Hatchery is located in the City of Lakewood near Chambers Creek.

Washington Department of Fish and Wildlife (WDFW) mapping of Priority Habitat and Species (PHS) indicates the presence of a number of habitat areas in the shoreline jurisdiction, including the following:

- WDFW riparian zones and fish species along Chambers Creek, Clover Creek, and Lake Steilacoom.
- WDFW waterfowl concentration areas along Chambers Creek and within Lake Steilacoom, American Lake, Gravelly Lake, Lake Louise, and Waughop Lake.
- WDFW urban natural open space areas along Chambers Creek and surrounding American Lake and Waughop Lake.

## 2.3 Summary of Ecological Functions

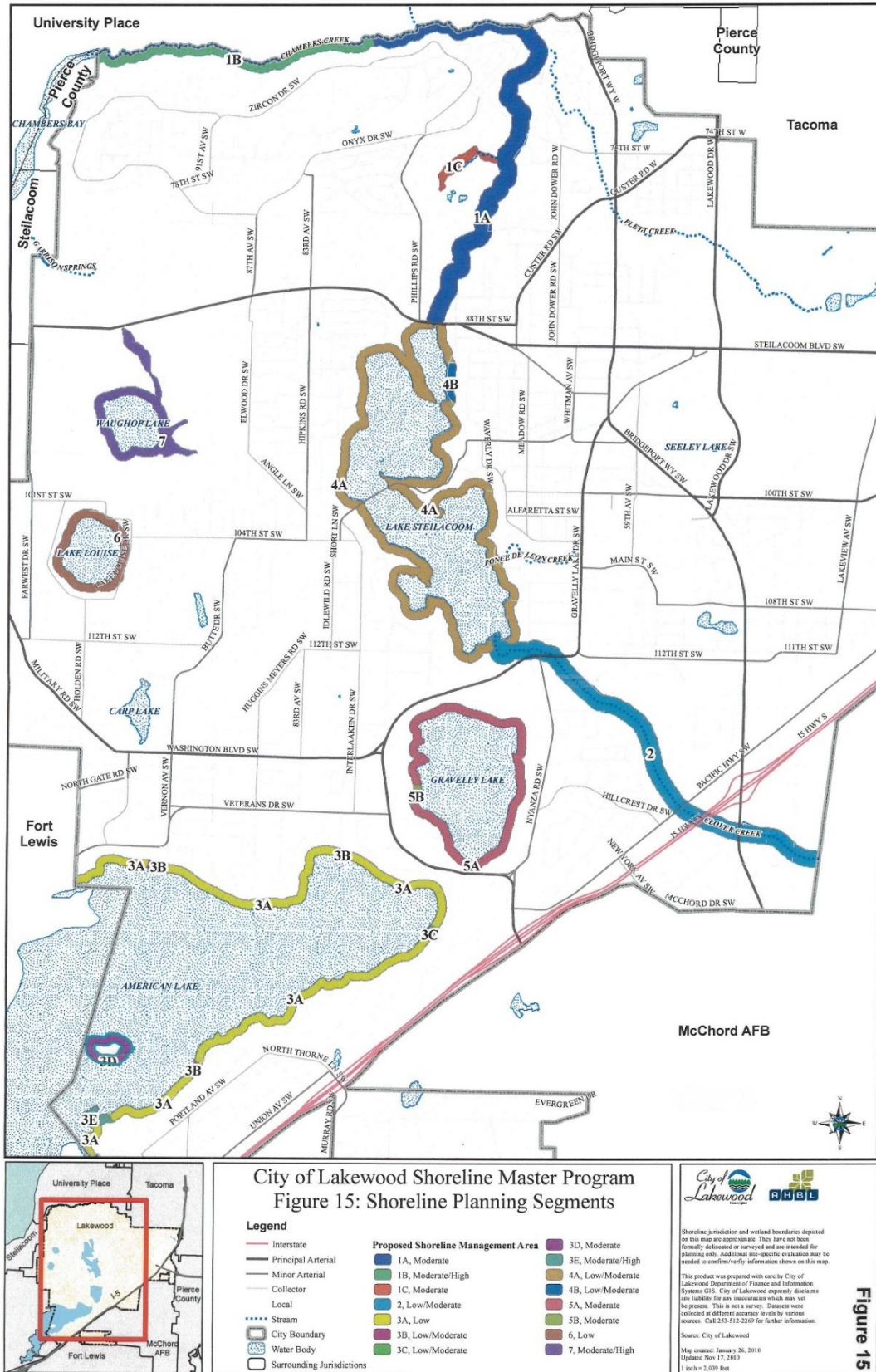
The following briefly summarizes the overall health of ecological functions within specific segments of the Shoreline Management Area.

Shoreline Planning Segments		
Segment	Approximate (feet)	Approximate Area (acres)
1—Chambers Creek	14,334	17.3
Segment 1A	8,055	11.8
Segment 1B—includes Chambers Creek Park	4,994	4.7
Segment 1C—Wetland at Game Reserve)	1,283	0.8
2—Clover Creek	7,089	9.4
3—American Lake	27,768	11.2
3A—Residential	21,802	9.2
3B—City Parks (American Lake North, Lakeland, and Harry Todd Parks)	985	0.4
3C—Tacoma Golf & Country Club	270	0.2
3D—Silcox Island	3,284	1.0
3E—Open space (south of Silcox island)	1,427	0.4
4—Lake Steilacoom	32,669	13.2
4A—Residential	31,745	12.8



Shoreline Planning Segments		
Segment	Approximate (feet)	Approximate Area (acres)
4B—Edgewater Park	924	0.4
5—Gravelly Lake	10,932	4.8
5A—Residential	10,462	4.6
5B—Lakewold Gardens	470	0.2
6—Lake Louise	4,975	2.4
7—Waughop Lake	4,670	3.5
<b>TOTAL</b>	<b>81,014 feet</b>	<b>61.6 acres</b>

## Figure 2: Shoreline Planning Segments





**Chambers Creek - Segment 1A - Overall segment rating = Moderate**

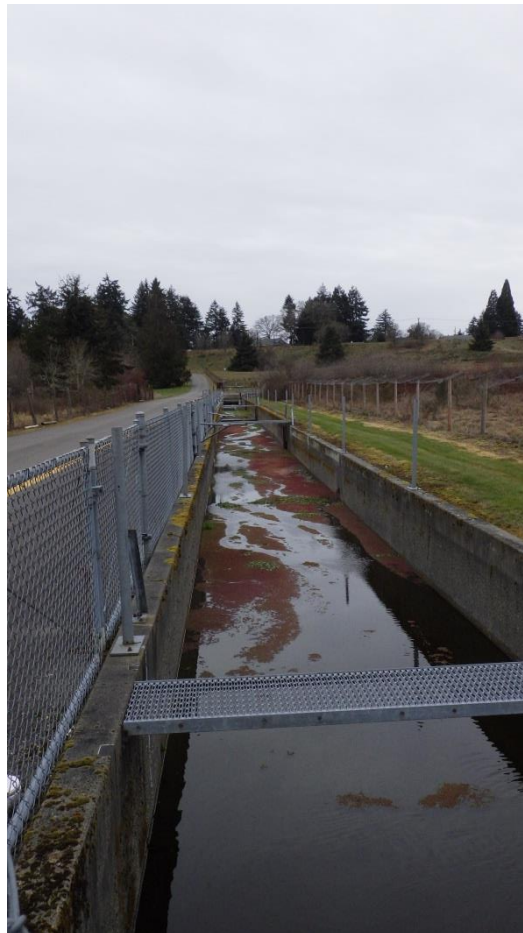
Segment 1A consists of low-density residential housing. Aerial photos indicate that a majority of the riparian buffer has been left intact, providing a largely forested area with some houses/buildings interspersed.

**Chambers Creek - Segment 1B - Overall segment rating = Moderate/High**

Segment 1B is the most natural condition segment in Lakewood's shoreline jurisdiction and has an intact riparian buffer that protects the stream banks from erosion as well as providing shade, habitat (in stream and on the banks), and water quality improvement.

**Chambers Creek - Segment 1C - Overall segment rating = Low/Moderate**

Segment 1C is associated with the wetland on the left (south) bank of Chambers Creek, adjacent to Segment 1A. Some of the functions that wetland are able to provide are ranked low simply because the wetland does not have the opportunity to provide the function. This includes organic matter recruitment because the wetland has little vegetation, most of which consists of emergent plants, this in turn effects the wetlands capability to maintain cool water temperatures. This wetland presents excellent opportunity for restoration, contingent on agreement with WDFW, who operates a hatchery in the area and currently maintains the area as wildlife habitat.



Spring-fed creek in concrete channel, Lakewood hatchery grounds (27 Feb. 2019)

**Clover Creek - Overall segment rating = Low/Moderate**

Clover Creek and its shorelines have been greatly compromised by past residential development. Approximately half of this segment in the City of Lakewood is bordered predominantly by single family homes and multi-family apartments and condominiums. There is also commercial development,

including the section that runs through a long culvert under I-5. The lower half of the segment located in the City has been built out with high-density residential housing.

**American Lake – Segment 3A - Overall segment rating = Low**

The residential segment of American Lake ranks low for overall functions. The high level of shoreline modification has the largest, overarching impact on the functions of the lake and shoreline. The shoreline modifications impede wave attenuation, organic matter recruitment, the ability of the shoreline to remove toxins, and have compromised the functions provided by shallow groundwater.

**American Lake – Segment 3B/C - Overall segment rating = Low/Moderate**

While the parks are in a more natural condition than the residential segment, they have still been altered and have moderate amount of impervious surface, some shoreline modification, and compacted soils, all of which compromised the ability to provide necessary shoreline functions.

**American Lake – Segment 3D - Overall segment rating = Moderate**

Although Silcox Island has been moderately built out with residential structures and has some shoreline modification, the island has mostly retained its forested canopy and has not had as much modification to the soil structure on the island.

**American Lake – Segment 3E - Overall segment rating = Moderate/High**

The forested peninsula south of Silcox Island has been left in a natural condition for many decades. It has a forested canopy that provides special habitat niches both in the canopy and on the lake edge. Because the lake has such a high amount of development, this parcel provides a high quality area among an otherwise developed area.

**Lake Steilacoom – Segment 4A - Overall segment rating = Low/Moderate**

The residential area of Lake Steilacoom is similar to that of the other lakes in Lakewood with high-density residential housing surrounding the lakeshore. Like American Lake, the shoreline has been extensively armored, reducing the ability of the shoreline to perform many shoreline functions.



Pierce County public GIS image of lower Clover Creek and Steilacoom Lake



**Lake Steilacoom** – Segment 4B - Overall segment rating = Low/Moderate

Edgewater Park is a small portion of the overall size of Lake Steilacoom and represents the same overall functions and scores. It does have the opportunity to provide organic matter and it could be enhanced by the City to remove invasive Himalayan blackberry, English ivy, and yellow flag iris. Replacement of non-native invasive species with native trees and shrubs would be beneficial..

**Gravelly Lake** – Segment 5A/B - Overall segment rating = Moderate

The residential segment of Gravelly Lake is fully developed with residential housing and armored shorelines, reducing the functions the shoreline is able to provide similar to the other constructed shorelines. Segment 5B was included in the functions with 5A because it is also built out, but is managed as a 10-acre garden open to the public. Therefore, the functions are the same or similar, but its land use is different from the rest of the lake.

**Lake Louise** – Segment 6 - Overall segment rating = Low

Lake Louise is surrounded by single-family housing, boat docks, and armored shoreline. The functions performed by an intact shoreline have almost completely been modified or heavily compromised on Lake Louise. Lake Louise also suffers from water quality issues associated with excessive nutrients causing toxic algae blooms.

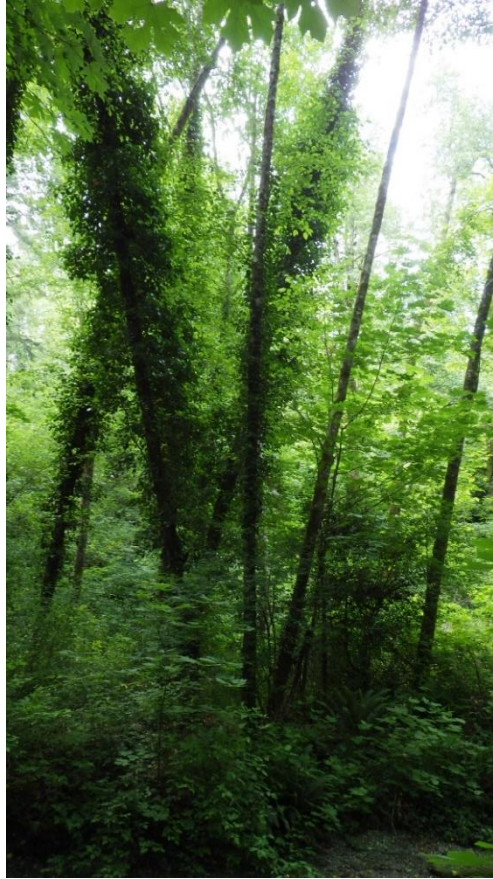
**Waughop Lake** – Segment 7 - Overall segment rating = Moderate/High

Waughop Lake has an intact shoreline and is able to provide nearly all of the functions of a normally functioning shoreline. The lake quality has suffered due to historic use of the lake as a dumping ground for animal waste, as well as urban development. Due to the risk to human health, water quality improvement for Waughop Lake should be a primary focus for the City of Lakewood.

## **2.4 Summary of Degraded Shoreline Areas**

Based on the evaluation of shoreline ecological functions summarized in Section 2.3, the following areas have been identified as being degraded, and restoration efforts in these locations should be prioritized.

**Chambers Creek** – The undeveloped canyon area is under threat from invasive plants, particularly English ivy. Steps should be taken to curb and remove these invasive species before the problem becomes more extensive and difficult to eradicate. Similar issues occur in upstream reaches.



Ivy-covered trees, Chambers Creek canyon area (14 June 2018)

**Clover Creek** – Degraded areas along this stream start at the boundary with JBLM and include the commercially developed areas adjacent to I-5 and areas of residential development along the lower half of the reach. Re-establishment of native riparian buffers along with installation of LWD where feasible should be the highest priority for restoration in this stream. Reconnecting the stream with remnant wetlands, including removal of concrete flow control structures, is highly recommended.

**American Lake** – Most of the shoreline of American Lake is considered degraded, due to the high level of residential development and associated shoreline modification. As described in Section 2.3, widespread armoring has impeded wave attenuation and organic matter recruitment functions, and encouraging property owners to transition from bulkheads to softer forms of shoreline stabilization should be the primary focus in this area, as well as restoration of shoreline buffer areas.

**Lake Steilacoom** – The residential portions of the Lake Steilacoom shoreline have been extensively armored. Similar to American Lake, the presence of this armoring has degraded ecological function, reduced shade and overhanging vegetation, and impeded wave attenuation and organic matter recruitment, including LWD. Encouraging transition to softer, non-structural forms of shoreline stabilization (i.e., natives trees and shrubs) should be the primary focus of restoration efforts in this reach. Enhancement of riparian buffer areas should also be a high priority.

**Lake Louise** – Residential development and shoreline armoring has degraded natural shoreline function along essentially all of the Lake Louise shoreline. Similar to Lake Steilacoom and American Lake, removal of hard armoring and transition to non-structural methods of shoreline stabilization should be of primary concern, as well as reduction of upland impervious surface and re-establishment of natural riparian buffers.

## 3. RESTORATION GOALS AND OBJECTIVES

### 3.1 Comprehensive Plan

The following goals and policies relating to shoreline and other natural features are presented in the City of Lakewood's Comprehensive Plan and they serve as the foundation of the City's restoration strategy.

1. Provide for the protection, conservation, and enhancement of habitat areas for fish and wildlife. (Goal LU-56)
2. Integrate environmental considerations into all planning efforts and comply with all state and federally mandated environmental legislation. (Policy LU-56.1)
3. Identify endangered or threatened species occurring within the City and preserve their habitat. (Policy LU-56.2)
4. Provide for identification and protection of wildlife habitats with an emphasis on protection of wildlife corridors and linking remaining habitat pockets within the City. (Policy LU-56.3)
5. Promote the restoration of riparian (streamside) areas to preserve and enhance their natural function of providing fish and wildlife habitat and protecting water quality. (Policy LU-56.4)
6. Preserve and protect native vegetation in riparian habitats and integrate suitable native vegetation in residential and commercial landscapes. (Policy LU-56.5)
7. Identify specific programs of stream restoration for Chambers, Clover, and Flett creeks. (Policy LU-56.6)
8. Identify the potential for restoring additional stretches of Ponce de Leon Creek. (Policy LU-56.7)
9. Provide fish and wildlife habitat of sufficient diversity and abundance to sustain existing indigenous fish and wildlife populations. (Policy LU-56.8)

### 3.2 Restoration Policy Development

Based on this policy guidance and the policy guidance provided by the Chambers-Clover Creek Watershed Council (CCWC) through the efforts described in Section 4 of this Restoration Plan, the City has developed the following restoration policies, in no particular order.

#### System-Wide Restoration Policies

1. Improve the water quality of all water bodies within the shoreline management area by managing the quality and quantity of stormwater in contributing systems and implementing Low Impact Development (LID) techniques to the maximum feasible extent, consistent at a minimum with the City's NPDES Phase II Stormwater Permit and the latest Washington Department of Ecology Stormwater Management Manual for Western Washington.
2. Reclaim and restore to the greatest extent feasible areas which are biologically and aesthetically degraded while maintaining appropriate use of the shoreline.

3. Increase quality, width and diversity of native vegetation in protected corridors adjacent to lake and stream habitats to provide safe migration pathways for fish and wildlife, food, nest sites, shade, perches, and organic debris. Strive to control non-indigenous plants or weeds that are proven harmful to native vegetation or habitats.
4. Continue to work collaboratively with other jurisdictions and stakeholders to implement the Chambers-Clover Creek Watershed Action Agenda and the WRIA 12 Plan.
5. Seek funding where possible for various restoration actions and programs from local sources and by working with other WRIA 12 jurisdictions, the CCWC, and other stakeholders to seek federal, state, grant and other funding opportunities.
6. Develop a public education plan to inform private property owners about the effects of land management practices and other unregulated activities (such as vegetation removal, pesticide/herbicide use, car washing) on fish and wildlife habitats.
7. Where feasible, protect, enhance, and encourage the restoration of lake areas and wetlands throughout the contributing basin where functions have been lost or compromised.
8. Seek opportunities to enhance and restore connections between lake, stream and wetland habitats.

#### **SMA Restoration Policies**

1. Target Waughop Lake (Fort Steilacoom Park) and Edgewater Park for restoration of shoreline natural resources (e.g., native plants) and functions while ensuring continued public access to the shoreline.
2. Protect natural areas and continue to identify and implement shoreline restoration projects and measures to address persistent water quality issues at Fort Steilacoom Park that negatively impact beneficial uses of the lake, while ensuring continued public access.
3. Target American Lake North Park and Harry Todd Park for limited habitat enhancements that are designed and sited to be compatible with the heavy active recreation use at these parks. Opportunities include planting of native vegetation where appropriate.
4. Target Springbrook Park and adjacent open spaces, and Chambers Creek Canyon Park for the use of environmentally friendly materials and design and vegetation enhancement (i.e., removal of invasive species and planting new native plants) during the future planned development of trails and recreational facilities.
5. Encourage restoration of aquatic and riparian habitat along Clover Creek through incentives for private property owners and continued stormwater management improvements and City capital improvement projects.
6. Collaborate with Pierce County, the City of University Place and community partners for restoration activities that would remove invasive plant species, improve habitat and other ecological functions within Chambers Creek Canyon Park.
7. Improve the ecological functions of lake shorelines by removing bulkheads and replacing these features to the extent feasible with erosion-resistant native trees and shrubs (e.g., Indian plum, red osier dogwood) to improve aquatic habitat conditions, while preserving property.



8. Improve the ecological functions of streams and related habitat with stream bank stabilization using native vegetation. Preserve and restore native vegetation along lake shorelines to the greatest extent feasible.
9. Improve habitat conditions by increasing large woody debris recruitment potential through plantings of trees along the lake shore, particularly conifers. Where a safety hazard will not be created, encourage the installation of large woody debris to meet short- term needs.
10. Target single family residential properties with incentives, outreach and information for homeowners who are willing to voluntarily remove bulkheads, plant native vegetation and encourage large woody debris recruitment.
11. Decrease the amount and impact of overwater and in-water structures within SMP lakes through minimization of structure size and use of more environmentally friendly materials, including grated decking.
12. Monitor and control aquatic invasive species in American Lake, Gravelly Lake, Lake Louise, and Waughop Lake, and continue to participate in lake-wide efforts at Lake Steilacoom to reduce populations of non-native aquatic vegetation.

#### 4. LIST OF EXISTING AND ONGOING PROJECTS AND PROGRAMS

The following series of existing projects and programs are generally organized from the larger watershed scale to the City-scale, including City projects and programs with support of non-profit organizations that are active in the City of Lakewood area.

##### **4.1 Chambers-Clover Creek Watershed Planning Participation and Ongoing Efforts**

The Chambers-Clover Creek Watershed has been the focus of coordinated watershed planning efforts for roughly 20 years. The Chambers-Clover Creek Watershed Action Plan was completed in 1997 and it contained 56 actions. The Watershed Action Plan identified which jurisdictions, state agencies and other organizations would be responsible for implementation and the estimated costs of the proposed actions. Lakewood incorporated at the end of the planning process in 1996 and was not significantly involved in the creation of the Watershed Action Plan. The Watershed Action Plan was also the genesis of the CCWC. While the primary function of the group is to help facilitate the implementation of the watershed action plans, the members of the CCWC are also dedicated to improving fish habitat and fostering a sense of stewardship among watershed residents. CCWC members include representatives from local governments, tribes, businesses, elected officials, environmental agencies, non-profit groups, and private citizens.

The CCWC action plan is updated periodically and their website can be checked for the most recent version. Restoration of coho salmon stocks are a priority in WRIA 12 because the watershed was historically highly suited to coho salmon, along with chum, steelhead and cutthroat trout, and because Chinook do not presently use the freshwater habitat of WRIA 12. Coho are still present in the watershed, though at relatively low numbers. Recent analysis (Moberg 2001) indicates coho salmon would make an excellent indicator species for formulating priority actions to address salmonid conservation and recovery needs in WRIA 12.

Another key target for restoration is the late chum salmon run in Chambers Creek, with some use also being documented in smaller tributaries, such as Flett Creek. This chum run is unusual in the south Sound and represents an important pool of genes for the recovery of Puget Sound chum salmon.

The importance of the sequence of stream and pond habitat for coho salmon should not be underestimated. Productivity of this habitat can be inferred from observations elsewhere in Western Washington (Peterson 1982, Bustard and Narver 1975). In the context of Clover Creek-Steilacoom Lake, coho that spawn in Clover Creek can move down into the lake during late summer low water and may have better over-winter survival before smolting in the spring. Enhancement of habitat (e.g., LWD addition along the shoreline) in Steilacoom Lake, however, is the key issue that would need to be addressed.

The City of Lakewood is one of six cities and towns that are members of the CCWC. The lead agency is Pierce County's Public Works department that has responsibility for surface water planning in the Chambers-Clover Creek Watershed (WRIA 12). The CCWC provides local agencies and citizens with an opportunity to coordinate their planning efforts for the benefit of the watershed. In 2018, the CCWC published its *Watershed Action Agenda – 2018-2023* (<https://www.co.pierce.wa.us/DocumentCenter/View/76631/2018-23-Action-Agenda>). The Action Agenda establishes the following three strategies that are designed to meet the goals and objectives of the watershed council. Within each strategy are recent or ongoing actions in Lakewood that implement the strategies.

1. Enhance watershed-based communication, coordination and education.
2. Promote watershed stewardship
3. Support watershed protective policies and regulations that protect the aquifer and salmonids.

#### **4.2 Watershed-Wide Action Items to Support Implementation of Chambers-Clover Creek Watershed Action Plan**

1. The City of Lakewood evaluates effects on ground and surface water during compliance inspections. If businesses are found to be out of compliance with development regulations with regard to ground and surface water practices, City inspectors provide an explanation of why current practices need to be corrected.
2. The City has adopted a Stormwater Education and Outreach Plan per the conditions of its Phase II NPDES permit. The objective of the plan is to educate public employees, businesses, and the general public about illegal discharges and their potential negative effects on water quality. The plan establishes groups of target audiences and identifies the specific topics and distribution formats most applicable to each, as well as measurable goals to determine if outreach efforts are having a positive effect on reduction of illicit discharge. The plan also contains a timeline for outreach efforts to each of the audience groups.
3. The Tahoma Audubon Society initiated a project in 2018 which contacted about 500 landowners near Clover Creek. The landowners were provided information about best creek side management practices and invited them to attend a seminar on various topics. The project is scheduled to be conducted again in 2019.
4. Phase II NPDES Permit approved in 2012, See above, and Section 4.4 for additional details.

5. While most new developments are infiltrating their stormwater on site, there are numerous existing stormwater outfalls that discharge into Chambers Creek and Clover Creek, some of which are in the City. The City's Stormwater Management Plan includes a map showing all outfall areas. It is inferred from Pierce County water quality documents that Lake Louise likely has existing stormwater discharges directed into it although there are no natural surface drainages into the lake. American Lake has some existing direct discharges of stormwater into the south end of lake.
6. In addition, the City has taken the following actions to maintain and retrofit existing stormwater facilities:
  - Since incorporation, the City has retrofitted 13 outfalls that discharge to lakes and creeks within Lakewood;
  - The City has replaced approximately 500 obsolete stormwater dry wells with improved infiltration systems. The City plans to continue this effort until all remaining dry-wells have been replaced;
  - As part of the ongoing improvements to Pacific Highway, specifically the segment from Gravelly Lake Drive to Bridgeport Way, the City implemented various LID techniques to reduce the amount of runoff entering Clover Creek;
  - Nearly all of the City's planned public work capital projects include a stormwater management component. As roads are improved and public facilities are constructed, existing stormwater systems are upgraded, and new systems are designed to meet current standards.
7. Sanitary sewer serves the vast majority of the City. An area of approximately 40 acres located just north of Lake Louise and southwest of Lake Waughop, but outside the proposed SMA of either lake, contains 93 single-family residences that rely on on-site sewage disposal systems. Residences in the Tillicum and Woodbrook portions of the City, south of American Lake, also currently rely on on-site sewage disposal systems, but will soon have public sanitary sewer service provided by Pierce County. The City of Lakewood is working to transition properties that use on-site sewage disposal systems to sanitary sewer service, and all development within the City must connect to sanitary sewer if such is available. LMC 12A.15.040 requires existing development to connect to sanitary sewer within 90 days after the City has provided notice that service is available. New development shall connect to sanitary sewer in order to qualify for a certificate of occupancy (LMC 12A.15.060).
8. The City has ongoing public works improvement programs that offer potential benefits to lakes, including outfall retrofits, drywell retrofits, and sanitary sewer installation in Tillicum and American Lake Gardens.
9. In past years, the City has implemented several projects to remove barriers to fish passage on Clover Creek, Flett Creek, and Leach Creek, making additional upstream habitat available for fish and wildlife, including salmon. In addition, local stormwater management projects indirectly contribute to salmon recovery by reducing pollution in ground and surface water that may eventually flow to Puget Sound and increase habitat diversity.
10. A team comprised of Forterra, Pierce County, the Puyallup Tribe, and SPSSEG are currently working on a feasibility study to remove the Chambers Creek dam and other armoring to restore Chambers Bay.
11. The Puyallup Tribe is looking at options for habitat restoration along the lower 4 miles from Kobayashi Park to the Dam.

12. The Stewardship Committee worked with Lakewood's Parks department in 2018 (Parks Appreciation Day) on restoring 200 feet of creek bank along Clover Creek beside Springbrook Park. Volunteers removed blackberries, ivy and scotch broom. Surplus native plants were salvaged from a rain garden in Puyallup and re-planted on the creek side. The goal is to create a demonstration site showing various native trees, shrubs, and plants where people can visit to see which plants would be good for their yards.
13. Volunteers from the South Puget Sound Flyfishers kept three fish ladders free of debris in the fall of 2018 to allow Coho salmon to pass upstream. Other volunteers check on fish passages on McChord Field, Steilacoom Lake, and at the dam at Chambers Bay.
14. City of Lakewood adopted 2012 DOE Stormwater Manual, with 2014 amendments, and has also adopted the 2015 Pierce County Stormwater Management and Site Development Manual, which covers LID. City Public Works staff review development applications to ensure compliance with all adopted stormwater regulation. Specifically, the City requires TESC BMPs, and the municipal code requires developers to retain stormwater on-site to the maximum extent feasible (LMC 12A.11.044). Lakewood is fortunate to have soils suitable for infiltration throughout most of the city. Since the NPDES Permit was issued, all new developments are infiltrating their stormwater on site or in a few cases discharging to City infiltration systems. Also unique to Lakewood, much of the City's infrastructure infiltrates and does not discharge to surface waters. The City has not defined goals or metrics to identify, promote or measure LID use. The City has not determined schedules for requiring of implementing additional LID techniques on a broader scale.
15. The City employs one full-time stormwater compliance inspector whose duties include inspections of businesses and properties for compliance with Lakewood's stormwater management regulations. The inspector works closely with inspectors from other City departments (building, code enforcement, community service officers) on enforcement efforts that require multiple disciplines.
16. City staff also remains informed of changes in regulations at the state and federal level that may impact local regulatory requirements.
17. The City has participated in the Benthic Index of Biotic Integrity (BIBI) sampling program with Pierce County. The BIBI program consists of surveys of water bodies to evaluate water body health based on the prevalence of various indicator species.
18. The City also financially supports the Pierce Conservation District Stream Team in its efforts to sample and analyze water from several lakes in Lakewood. This is a long-term, ongoing project, and several more years of data will be necessary before it can be determined if there are any measurable trends in water quality.

In addition to the watershed action planning process, the Chambers-Clover Creek Watershed has also been the focus of a number of other major planning efforts. A Salmon Habitat Protection and Restoration Strategy for the watershed (WRIA 12) was completed in 2018, a requirement of the federal listing of Puget Sound Chinook as threatened under the Endangered Species Act. The Washington State Department of Ecology continues to develop water cleanup plans for impaired water bodies, as well as administer Clean Water Act implementation programs, such as NPDES permitting. Pierce County completed the Clover Creek Basin Plan in 2003, which focuses on water quality, flooding, and habitat issues in unincorporated areas. Additionally, a comprehensive watershed management plan for WRIA 12 was completed in 2004. However, this plan was not approved by all stakeholders.

### **4.3 Comprehensive Plan Policies**

The City's comprehensive plan defines goals and policies addressing protection of the environment and shorelines in its Land Use Element. Topics addressed include environmentally critical areas, fish and wildlife habitat, water quality, air quality, wetland protection, and flood management. Many of the goals and policies applicable to the shoreline environment were used as the basis for the restoration objectives discussed in Section 3. Comprehensive Plan Policies are implemented through the City's Municipal Code, Capital Improvement Program and other mechanisms.

### **4.4 Environmentally Sensitive Areas Regulations**

The City of Lakewood's critical areas and natural resource lands regulations are found in Lakewood Municipal Code Title 14 – Environmental Protection. The City completed its last critical areas regulations update in 2015, consistent with the requirements of the GMA. The regulations are based on "best available science," and they provide protection to critical areas in the City. The regulations categorize streams based on the Department of Natural Resources classification system and dictate buffers ranging from 35 feet to 150 feet. Wetland buffers range between 40 and 225 feet and are classified according to Lakewood Municipal Code 14.162.080. Management of the City's environmentally sensitive areas using these regulations should help insure that ecological functions and values are not degraded, and impacts to critical areas are mitigated. The City's critical areas regulations are adopted by reference into the Shoreline Master Program, with certain modifications and deletions based on the SMP Guidelines, to regulate critical areas found within the shoreline zone.

### **4.5 Stormwater Management and Planning**

The Lakewood Department of Public Works Surface Water Management Division is responsible for maintaining the City's stormwater infrastructure. In 2012, Ecology approved the City's National Pollution Discharge Elimination System (NPDES) Phase II permit. The NPDES Phase II permit is required to cover the City's stormwater discharges into regulated lakes and streams. Under the conditions of the permit, the City must protect and improve water quality through public education and outreach, detection and elimination of illicit non-stormwater discharges (e.g., spills, illegal dumping, and wastewater), management and regulation of construction site runoff, management and regulation of runoff from new development and redevelopment, and pollution prevention and maintenance for municipal operations. The policies and regulations of the proposed SMP and this Restoration Plan are intended to support the City's ongoing NPDES Phase II Permit compliance efforts.

### **4.6 Public Education**

The City of Lakewood's Comprehensive Plan identifies policy statements based on goals associated with the Land Use and Utilities elements (excerpted below). These items help guide City staff and local citizen groups in developing mechanisms to educate the public and broaden the interest in protecting and enhancing local environmental resources.

Policy LU-61.9: Work cooperatively with local water districts to maximize protection of wellheads and aquifers. Support ongoing efforts to:

- Educate citizens and employers about Lakewood's dependence on groundwater;
- Establish and maintain public awareness signs delineating the boundaries and key access points to the Lakewood Water District's wellhead protection areas;

- Maintain groundwater monitoring programs;
- Implement a well decommissioning program for all unused wells;
- Coordinate planning and review of drainage, detention, and treatment programs within wellhead protection areas.

Additionally, Strategy 1 in the *Watershed Action Agenda: Priorities for Focus within the Chambers-Clover Creek Watershed 2018-2023*, developed by the CCWC is “Enhance watershed-based communication, coordination, and education.” This agenda includes various goals and objectives related to this strategy.

- Develop and relay education and outreach messages that connect people to this watershed.
- Promote understanding of ground and surface waters as one integrated resource.
- Serve as a reliable source of current information about the watershed.
- Increase CCWC contact list to cover all the riparian owners along the regulated lakes and tributaries in the watershed.
- Establish and maintain current, comprehensive online access to information about the watershed through the CCWC website.
- Build relationships with existing outreach event partners, schools and watershed communication outlets and provide supplies and materials at five local events annually.

The City has been a member of the CCWC since its inception and actively implements all six of the public outreach components. Additional details about CCWC public education, outreach, and stewardship programs may be found at <https://www.co.pierce.wa.us/DocumentCenter/View/76631/2018-23-Action-Agenda>

Public education and involvement will be a priority in the City. Opportunities for restoration exist on public property in the City, but are limited along the majority of the City’s shorelines because it is under private ownership. Therefore, in order to achieve the goals and objectives set forth in this Restoration Plan, the City should focus on fostering restoration on private land.

Providing education opportunities and involving the public is important to success. This could possibly entail the development of a long-term Public Education and Outreach Plan to gain public support. Voluntary restoration efforts on private property would also benefit from public outreach and education. This could include local workshops and mailers to educate shoreline property owners and other shoreline users on maintaining healthy shoreline environments, promoting enhancement and restoration opportunities, and use of low impact development techniques.

## **4.7 Other Lakewood Programs and Projects**

### **Illegal Discharge Detection and Elimination Program**

The City’s Phase II NPDES Permit requires the implementation of an Illegal Discharge Detection and Elimination (IDDE) program to help meet the requirements of the Clean Water Act. The City’s latest IDDE plan, completed in July 2011, contains policies for finding and eliminating discharges of pollutants not allowed under the terms of the NPDES permit. The IDDE Plan contains an inventory of all known outfall locations and establishes a schedule for inspecting outfalls greater than 24 inches in diameter to

detect illicit discharges.

The IDDE Plan also contains protocols for spill prevention and response that are designed to ensure that spills of hazardous substances within the city are properly identified, reported, contained, and cleaned up.

### **Carwash Public Education**

The City has established Best Management Practices (BMPs) for charity car washes, which can be a source of pollutants in the stormwater stream. The City requires that charity car washes obtain a free permit and that such car washes be located on a pervious surface (grass, gravel) or on an impervious surface that drains to a stormwater infiltration system, rather than the general stormwater network. Other guidelines and BMPs are published on fact sheets publicly available from the City.

### **Automotive Industry BMPs**

In addition to public education for car washes, the City also publishes fact sheets containing good practices for auto-oriented businesses, such as car dealerships and automotive repair shops. Such practices include fixing oil leaks, preventing wash water from vehicles or car parts from entering the storm drain, proper disposal of hazardous waste, and covering outdoor storage areas to prevent potentially toxic runoff from flowing into the storm drain.

### **Safe Pet Waste Disposal BMPs**

The City publishes fact sheets on pet waste disposal to educate the public on the importance of managing this contributor to poor water quality. The fact sheets explain that pet waste often contains pathogens that can cause disease in humans and other animals, and stormwater flows can transmit these pathogens to streams and lakes. Residents are encouraged to scoop up after their pets often and place the waste in the garbage. Placing pet waste in the municipal yard waste collection bins is highly discouraged because the pet waste then contaminates any compost that is made from the collected yard waste. Flushing pet waste down the toilet in areas using septic systems is also discouraged, as septic systems are often not designed to handle pet waste, which differs in composition from human waste, and septic systems may become overloaded and cause groundwater pollution.

## **5. LIST OF ADDITIONAL PROJECTS AND PROGRAMS TO ACHIEVE LOCAL RESTORATION GOALS**

The following series of additional projects and programs are generally organized from the larger watershed scale to the City-scale, including City projects and programs and finally non-profit organizations that are active in the Lakewood area.

### **5.1 Recommended Projects**

The following is partially developed from an initial list of opportunities identified within the *Shoreline Analysis Report*. The list of potential projects is intended to contribute to improvement of impaired functions.

General: Many shoreline properties have the potential for improvement of ecological functions through: 1) reduction or modification of shoreline armoring, 2) reduction of overwater cover and in-water structures (grated pier decking, pier size reduction, pile size and quantity reduction, moorage cover



removal), 3) reductions in upland impervious surface coverage, 4) improvements to vegetation within the shoreline setback or buffer, 5) improvement to existing flooding conditions, especially along Chambers Creek and Clover Creek, 6) improvements to habitat diversity, and/or 7) improvements to upland vegetation and soils to provide additional habitat and mitigate stormwater impacts. These opportunities generally apply to private residential properties, public parks, share recreational lots, private recreation uses, public street-ends, and utility corridors.

#### Segment 1: Chambers Creek

While a significant portion of the creek shoreline runs through properties containing private residences, Chambers Creek Park (i.e. Chambers Creek Properties owned and administered by Pierce County) occupies a large portion of the creek's northern reach, providing a direct opportunity to preserve and enhance the existing riparian zone on public lands. Enhancement of degraded areas could be achieved using the Washington Conservation Corps. In addition, along much of the southern reach, homes are located considerable distance from the creek, which is largely confined to a ravine. Forested and largely intact riparian areas provide valuable ecological functions as documented in the Shoreline Inventory and Analysis Report.

Protecting existing high quality habitat along Chambers Creek is the highest priority. Implementation and enforcement of critical area regulations and the City's NPDES stormwater program are cornerstones of the City's efforts to protect habitat along Chambers Creek and improve water quality. Interagency coordination with Pierce County and University Place, particularly for Chambers Creek Park, as well as WDFW (which has a fish hatchery and significant management role for fish in the basin) should be emphasized in refining the management strategy for the northern reach. Limited opportunities may also exist for property acquisition. Additional outreach to homeowners and habitat enhancement efforts in the park and on private properties with willing homeowners can help ensure that the highest quality fish and wildlife habitat in the City is protected and enhanced.

#### Segment 2: Clover Creek

Because the majority of Clover Creek shoreline is in private ownership, the primary opportunities for restoration and enhancement occur on private property. Enhancement of the area could be achieved by 1) educating private property owners on what an ecologically appropriate riparian zone should look like, 2) encouraging private property owners to remove existing bank modifications, such as rip-rap and concrete walls, replacing them with vegetation planting of native trees and shrubs. Homeowner education programs could also be established to discourage the use of chemicals on lawn areas and landscaping that may adversely affect water quality. As in the case of Chambers Creek, the City could use the Washington Conservation Corps to restore its own properties, such as planting native plants and removing invasive species in Springbrook Park. The City expects that implementation of the NPDES Phase II Stormwater Program and the incentive-based setback regulations included in the SMP, which encourages enhancement of the creek shoreline and vegetation, will help improve conditions along Clover Creek.

Two volunteers surveyed a section of Clover Creek between JBLM and I-5 in August 2017. A detailed report was prepared discussing the conditions of the stream and recommended restoration projects. The data was intended to be used to update Lakewood's Restoration Component of its Shoreline Master Program.

In addition, the City previously identified a fish blockage approximately 600 feet upstream of Lake Steilacoom. Removal of this blockage occurred in 2015.



Dense blackberry and ivy growth on City of Lakewood property near Springbrook Park (28 April 2018)

### Segment 3: American Lake

As noted in the Chambers-Clover Creek Watershed Action Plan and other sources, phosphorus and other pollutants from improperly functioning on-site sewage systems (OSS) is a concern in the watershed overall as well as in the immediate vicinity of American Lake. The City should set a time frame for the required conversion of existing OSS in the Tillicum and American Lake Garden Tract neighborhoods to sanitary sewer and explore additional means to accomplish this goal. In the meantime, the City should work with the Tacoma-Pierce County Health Department (TPCHD) to identify problem OSS, work with property owners to educate them about the need to maintain their systems and support TPCHD to ensure the enforcement of existing regulations.

Most of the habitat enhancement potential for American Lake is concentrated on privately owned parcels because of the high degree of private ownership surrounding the lake. Restoration on private property could be achieved by encouraging private property owners to remove existing bank modifications and implement shoreline enhancement projects, such as native vegetation planting. The replacement of bulkheads and other forms of hard armoring with bioengineered solutions should be especially encouraged. Replacement of deteriorating piers should also be a high priority. Homeowner education programs could also be established to discourage the use of chemicals on lawn areas and landscaping that may adversely affect water quality.

Restoration activities could also occur at City parks, focusing on the removal of bulkheads and the reestablishment of native vegetation where feasible. New facilities constructed at City shoreline parks should employ LID practices and green building techniques. Areas where native vegetation cover is still extensive should be protected.

The City expects that implementation of the NPDES Phase II Stormwater Program and the incentive-based setback regulations included in the SMP, which encourages enhancement of the lake shoreline and vegetation, will help improve conditions along American Lake, as well as on other lakes in the City. A long-range goal for the City's Surface Water Management Division is the preparation of management

plans for the City's lakes, including American Lake. While American Lake currently has an aquatic vegetation management plan in place, the plan is narrowly focused. A new lake management plan would address a broad range of topics with bearing on the health of the lake, including water quality and upland vegetation enhancement.

#### Segment 4: Lake Steilacoom

Most of the restoration potential for Lake Steilacoom is concentrated on privately owned parcels because of the high degree of private ownership surrounding the lake. Restoration on private property could be achieved by encouraging private property owners to remove existing bank modifications and implement shoreline enhancement projects, such as native vegetation planting or installing engineered LWD. The replacement of bulkheads and other forms of hard armoring with bioengineered solutions should be especially encouraged. Replacement of deteriorating piers should also be a high priority. Because steelhead, an ESA listed fish species, are known to occur in Lake Steilacoom, dock and pier standards require light transmission through deck materials to limit impacts on salmonids. Homeowner education programs could also be established to discourage the use of chemicals on lawn areas and landscaping that may adversely affect water quality.

Restoration activities could also occur at Edgewater Park, and the city should consider acquiring additional property on Lake Steilacoom for public access (i.e., parking). The City can use these projects as an example to private landowners in how to setback and restore shoreline areas. New facilities constructed at City shoreline parks should employ LID practices and green building techniques. Areas where native vegetation cover is still extensive should be protected.

A long-range goal for the City's Surface Water Management Division is the preparation of management plans for the City's lakes, including Lake Steilacoom. The lake management plan would address a broad range of topics with bearing on the health of the lake, including water quality, aquatic vegetation management, and upland vegetation enhancement.

#### Segment 5: Gravelly Lake

Gravelly Lake is surrounded by private parcels, and restoration opportunities are therefore restricted to private property. Restoration on private property could be achieved by encouraging private property owners to remove existing bank modifications and implement shoreline enhancement projects, such as native vegetation planting. The replacement of bulkheads and other forms of hard armoring with bioengineered solutions should be especially encouraged.

Replacement of deteriorating piers should also be a high priority. Homeowner education programs could also be established to discourage the use of chemicals on lawn areas and landscaping that may adversely affect water quality.

While privately owned, Lakewold Gardens is open to the public and provides an opportunity for further shoreline restoration. The City should work with Lakewold Gardens to explore possibilities for expanded public access at this location, as well as implementation of restoration measures, such as bulkhead removal and reduce use of chemicals and fertilizers that may adversely affect water quality in Gravelly Lake.

#### Segment 6: Lake Louise

Lake Louise is surrounded by private parcels, and with the exception of the public boat launch at the restoration opportunities are therefore restricted to private property. Restoration on private property



could be achieved by encouraging private property owners to remove existing bank modifications and implement shoreline enhancement projects, such as native vegetation planting. The replacement of bulkheads and other forms of hard armoring with bioengineered solutions should be especially encouraged. Replacement of deteriorating piers should also be a high priority. Homeowner education programs could also be established to discourage the use of chemicals on lawn areas and landscaping that may adversely affect water quality.



**Invasive Himalayan blackberry and ivy at Edgewater Park**

### Segment 7: Waughop Lake

Waughop Lake is located entirely within Fort Steilacoom Park, so restoration efforts could be undertaken by the City of Lakewood. Due to poor water quality and potential risks to human health, water quality improvement should be the highest priority for restoration projects at Waughop Lake. The practice of stocking the lake with game fish has been discontinued., Taking steps to reduce the amount of pet waste that washes into the lake, such as increased provision of waste bags and trash containers along the park trails, is recommended.

As noted in the Chambers-Clover Creek Watershed Action Plan and other sources, phosphorus and other pollutants from improperly functioning on-site sewage systems (OSS) is a concern in the watershed overall as well as in the vicinity of Waughop Lake. In 2019, the City is continuing the conversion of existing OSS in the area to sanitary sewer. In the meantime, the City should work with the Tacoma-Pierce County Health Department to identify problem OSS, work with property owners to educate them about the need to maintain their systems and support TPCHD to ensure the enforcement of existing regulations.

A long-range goal for the City's Surface Water Management Division is the preparation of management plans for the City's lakes, including Waughop Lake. The lake management plan would address a broad range of topics with bearing on the health of the lake, including water quality, aquatic vegetation management, and upland vegetation enhancement. Improving water quality would be a primary focus for Waughop Lake.

Educational signage regarding the lake and surrounding wetlands would help fulfill the public outreach and education goals of this restoration plan, and enhancements to the wetlands and associated buffers would provide improvements to water quality and fish and wildlife habitat.

## 6. PROPOSED IMPLEMENTATION TARGETS AND MONITORING METHODS

As previously noted, the vast majority of the City’s shoreline zone is occupied by single-family residences, with small areas of vacant property and two parks. Therefore, other than watershed level programs, such as NPDES Phase II Stormwater Permit compliance, the largest potential for directly improving shoreline ecological function generally lies in promoting restoration and healthy practices on private property and the lot scale. The City of Lakewood can continue improvement of shoreline ecological functions along the shoreline through a more comprehensive watershed approach, which combines the both public education programs and lakefront and streamside improvements.

The following table (Table 1) outlines a possible schedule and funding sources for implementation of a variety of efforts that could improve shoreline ecological function, and are described in previous sections of this report.

**Table 1. Implementation Schedule and Funding for Restoration Projects, Programs, and Plans.**

<b>Restoration Project/Program</b>	<b>Schedule</b>	<b>Funding Source or Commitment</b>
4.1 Chambers-Clover Watershed Council Participation	Ongoing	The City plays an active role on the Chambers-Clover Watershed Council. The City sends a staff representative to a monthly CCWC meeting, and the City’s Surface Water Division Manager serves as the CCWC chair. City of Lakewood staff commit approximately 4-5 hours per month to CCWC activities.
4.2 Comprehensive Plan Policies	Last updated 2014	The City commits substantial staff time to the review of projects and programs to ensure consistency and compliances with the goals and policies of the Comprehensive Plan. The City last updated its Comprehensive Plan in 2014, and the next update is mandated by the Growth Management Act to occur before the end of 2023.
4.3 Critical Areas Regulations	Updated 2009	The City commits substantial staff time to the review of projects and programs to ensure consistency and compliances with the goals and policies of the Critical Areas Regulations.

<b>Restoration Project/Program</b>	<b>Schedule</b>	<b>Funding Source or Commitment</b>
4.4 Stormwater Management and Planning	Ongoing	The City adopted a Stormwater Management Program in 2018. The City prepares annual updates to its Stormwater Management Program, pursuant to the conditions of its NPDES permit. The Stormwater Management Program is funded by a stormwater utility fee paid for by Lakewood property owners.
4.5 Public Education/Outreach	Ongoing	<p>The City has an active Stormwater Public Education and Outreach Plan. The plan is updated annually in accordance with NPDES permit requirements.</p> <p>As part of this effort, the City could develop a long- term Public Education and Outreach Plan to gain public support for voluntary restoration efforts on private property.</p>
5.1 Recommended Improvements	As funds and opportunity allow	Projects identified in this section will be implemented when funding is obtained, either through grants or through partnerships with other agencies or non-profit groups, or as required by critical areas regulations or the Shoreline Master Program during project-level review by the City. Projects that directly benefit salmon habitat may be eligible to receive funding from the Washington State Salmon Recovery Funding Board. \$28 million dollars of project funding was announced by the SRFB for Fiscal Year 2011.

The City is required to monitor development under the Shoreline Master Program to ensure no net loss. We recommend that City planning staff track all land use and development activity, including exemptions, within shoreline jurisdiction, and incorporate actions and programs of the Parks and Recreation and Public Works departments as well. We recommend that a report be assembled that provides basic project information, including location, permit type issued, project description, impacts, mitigation (if any), and monitoring outcomes as appropriate. Examples of data categories might include square feet of non-native vegetation removed, square feet of native vegetation planted or maintained, reductions in chemical usage to maintain turf, linear feet of eroding shoreline stabilized through plantings, linear feet of shoreline armoring removed, number of fish passage barriers eliminated or stream miles opened to anadromous fish. The report could also update Tables 1 and 2 above, and outline implementation of various programs and restoration actions (by the City or other groups) that relate to watershed health.

The staff report could be assembled to coincide with Comprehensive Plan updates and could be used, in light of the goals and objectives of the Shoreline Master Program, to determine whether implementation of the Shoreline Master Program is meeting the basic goal of no net loss of ecological functions relative to the baseline condition established in the Shoreline Analysis Report (Otak/AHBL 2010). In the long term, the City should be able to demonstrate a net improvement in the City of

Lakewood's shoreline environment.

Based on the results of this future assessment program, the City may make recommendations for future changes to the Shoreline Master Program.

## 7. RESTORATION CONSTRAINTS AND PRIORITIES

The process of prioritizing actions that are geared toward restoration of Lakewood's shoreline area involves balancing ecological goals with a variety of constraints. General constraints related to potential restoration of shoreline functions include:

1. Persistent water quality problems that are a result of nonpoint pollution within the entire watershed, including areas outside of the City of Lakewood.
2. Persistent problems with base flows in Clover Creek.
3. An extensively developed shoreline area throughout the SMA with predominantly private land ownership (a portion of Chambers Creek being the exception).
4. Heavy use of public parks and demand for parking, public access, active recreation and water dependent facilities that have the potential to conflict with shoreline habitat restoration.

The goals in Section 3 and constraints were used to develop a hierarchy of restoration actions to rank different types of projects or programs associated with shoreline restoration. Programmatic actions, like providing public education and outreach programs to local residents, tend to receive relatively high priority opposed to restoration actions involving private landowners. Other factors that influenced the hierarchy are based on scientific recommendations specific to WRIA 12, potential funding sources, and the projected level of public benefit.

Although restoration project/program scheduling is summarized in the previous section (Table 2), the actual order of implementation may not always correspond with the priority level assigned to that project/program. This discrepancy is caused by a variety of obstacles that interfere with efforts to implement projects in the exact order of their perceived priority. Some projects, such as those associated with riparian planting, are relatively inexpensive and easy to permit, and should be implemented over the short and intermediate term despite the perception of lower priority than projects involving extensive shoreline restoration or large-scale capital improvement projects. Straightforward projects with available funding should be initiated immediately for the worthwhile benefits they provide and to preserve a sense of momentum while permitting, design, site access authorization, and funding for the larger, more complicated, and projects that are more expensive are under way.

### 7.1 Priority 1 – Continue Water Resource Inventory Area (WRIA) 12 Participation

Of basic importance is the continuation of ongoing, programmatic, basin-wide programs and initiatives such as Watershed Action Agenda and the WRIA 12 watershed restoration efforts. The City should continue to work collaboratively with other jurisdictions and stakeholders in WRIA 12 through the CCWC to implement the actions called for in the related plan. This process provides an opportunity for the City to keep in touch with its role on a basin-wide scale and to influence habitat conditions beyond its borders, which in turn come back to influence water quality and quantity and habitat issues within the City.



## **7.2 Priority 2 – Improve Water Quality and Reduce Sediment and Pollutant Delivery**

Maintaining and improving water quality throughout the Chambers-Clover Creek Watershed is considered a high priority for the City of Lakewood. The water quality in the City's streams and lakes directly influences recreational uses such as swimming and boating, as well as fish and wildlife habitat. Water from the surrounding basin flows into Clover Creek, flows into Lake Steilacoom and then flows north through Chambers Creek to the Puget Sound. The remaining lakes in the City are isolated from these surface flows, but receive stormwater inputs and are connected via groundwater.

The City received its final National Pollutant Discharge Elimination System (NPDES) Phase II permit in January 2012 from Ecology. The NPDES Phase II permit is required to cover the City's stormwater discharges into regulated lakes and streams. Under the conditions of the permit, the City must protect and improve water quality through public education and outreach, detection and elimination of illicit non-stormwater discharges (e.g., spills, illegal dumping, and wastewater), management and regulation of construction site runoff, management and regulation of runoff from new development and redevelopment, and pollution prevention and maintenance for municipal operations.

The City has adopted Ecology's 2012 Stormwater Manual for Western Washington, and the city existing standards as well as the proposed standards in the SMP require the use of LID techniques to the maximum extent feasible.

Development activities within the watershed have led to higher peak flows, excessive sediment loading, and gravel scouring. Implementation of the City's stormwater program is expected to help address these issues to some extent, but again, these impacts occur as a result of development within the entire basin. Loss of flow in the central section of the mainstem Clover Creek within the City creates a passage barrier as well as loss of habitat area. Poor water quality has led to fish kills in the past, which are typically the result of "first flush" events on holding coho. Chambers Creek, Lake Steilacoom, and Clover creek are the highest priority SMA fish habitat areas in the City. Although they are not SMA waters, Ponce de Leon, Flett, and Leach Creeks are critical steelhead habitat and are a priority as well, now that critical steelhead has been established.

As noted in the Chambers-Clover Creek Watershed Action Plan and other sources, phosphorus and other pollutants from improperly functioning on-site sewage systems (OSS) is a concern in the watershed overall as well as in the immediate vicinity of American Lake and Waughop Lake. [Current study rejects previous sentence.] The City should set a time frame for the required conversion of remaining neighborhoods to sanitary sewer and explore additional means to accomplish this goal. In the mean time, the City should work with the TPCHD to identify problem OSS, work with property owners to educate them about the need to maintain their systems and support TPCHD to ensure the enforcement of existing regulations.

## **7.3 Priority 3 – Develop, Expand and Implement Public Education and Involvement Programs**

Public education and involvement should be a high priority in the City of Lakewood due to the extent of residential development in the shoreline jurisdiction. Opportunities for restoration outside of residential property are limited to City parks and right-of-way. Therefore, in order to achieve the goals and objectives set forth in this Restoration Plan, most of the restoration projects would need to occur on private property. Thus, providing education opportunities and involving the public are keys to success.

These could entail coordinating the development of a long-term Public Education and Outreach Plan to gain public support. This could include local workshops to educate shoreline property owners and other shoreline users on maintaining healthy shoreline environments. A more direct and practical way, however, of promoting enhancement and restoration opportunities is to prepare materials specifically targeted to landowners explaining how best to manage their shoreline properties.

#### **7.4 Priority 4 –Create or Enhance Natural Shoreline Conditions along Clover Creek**

As noted in the Chambers-Clover Watershed Action Plan, the Watershed Action Agenda and the WRIA 12 Plan, the principal impacts to habitat along Clover Creek have been caused by dredging and rerouting of stream channels, ditching or burying the stream, elimination of wetlands and estuarine habitat, riparian forest removal, as well as non-point water quality pollution, industrial discharges, fish passage barriers and removal of large wood from channels. Recommended projects are listed in Section 5.1. Master restoration plans should be developed to reduce negative impacts and unintended consequences.

Areas of WRIA 12 that would provide the benefit to coho salmon are located upstream of Steilacoom Lake and include Clover Creek in the City up to Spanaway Creek, the upper reaches of the Clover main stem, any perennial reaches of North Fork Clover Creek and Spanaway and Morey creeks. Some of these areas are located outside of the City. The principal factors that provide the greatest benefit to coho salmon are generally sediment load, substrate quality, perennial flow, habitat types (e.g. pool frequency and backwater pools), water quality, and removal of fish passage obstructions. Restoration of flow to the lower sections of Clover Creek, from Lake Steilacoom upstream to above the north fork confluence is necessary to achieve the benefits of habitat restoration.

#### **7.5 Priority 5 – Implement Soft Shoreline Stabilization and Reduce In-water and Over-water Structures**

The majority of lake shoreline is armored at or below the ordinary high water mark. (Otak/AHBL 2010) Therefore restoration opportunities are limited. However, the City does have an opportunity to enhance the Edgewater Park shoreline on Steilacoom Lake through the use of native vegetation and LWD. Emphasis should also be given to future project proposals that involve or have the potential to restore shoreline areas to more natural conditions, and the City should continue to develop incentives for property owners to remove existing armoring or replace with softer stabilization systems.

Reduction of in- and over-water cover by piers, docks, and other boat-related structures is one mechanism to improve shoreline ecological functions. Pier and docks are extensive along lakes in the City, with approximately 80 percent of all residential parcels having a pier or dock. The WDFW already regulates the size and materials for in- and over-water structures throughout the State and generally recommends finding ways to reduce both the size and density of these structures. Although no specific private project sites to reduce in-water and over-water structures within residential areas are identified here, future project proposals involving reductions in the size and/or quantity of such structures should be emphasized. Such future private projects may involve joint-use pier proposals or pier reconstruction and may be allowed an expedited permit process or promoted through project incentives.

#### **7.6 Priority 6 – Improve Riparian Vegetation, Reduce Impervious Coverage**

Similar to the priority listed above to improve water quality and reduce sediment and pollutant delivery, improved riparian vegetation and reduction in impervious surfaces are emphasized

throughout the WRIA 12 Salmon Habitat Plan. Watershed-wide programmatic actions described in the Salmon Habitat Plan include many references to improving vegetative conditions and reducing impervious surface coverage. The use of LID will support the City's restoration efforts by supporting the retention and planting of native vegetation, reducing impervious surfaces, and localizing stormwater management. The SMP's policies regarding Vegetation Conservation provide greater protection to mature trees and native vegetation than the current Tree Preservation regulations.

## 7.7 Priority 7 – Enhance Habitat as Part of Future Street End Park Improvements

The street end parks provide opportunities for habitat restoration and public education, particularly at Westlake Avenue, Edgewater Park, Lake City Boulevard, Wadsworth Street, and Melody Lane. Development and restoration of these areas, including enhancement of native riparian vegetation could provide recreational space and give park visitors the opportunity to see habitat restoration in progress.

## 7.8 Priority 8 – City Zoning, Regulatory, and Planning Policies

City Zoning, Regulatory, and Planning Policies are listed as being of lower priority in this case simply because they were recently reviewed and updated in 2009. The City's Critical Areas regulations were also reviewed at this time and updated to be consistent with the Best Available Science for critical areas, including those within the shoreline zone. The City will update the Comprehensive Plan to include the revised policy direction in the updated SMP and should consider additional efforts to forward restoration priorities as part of future major Comprehensive Plan updates.

# 8. DEFINITIONS, ABBREVIATIONS, AND GLOSSARY OF TERMS

*THE FOLLOWING WORDS AND PHRASES ARE INCLUDED WITHIN THE LAKEWOOD SMP AND ARE PROVIDED FOR PURPOSES OF INTERPRETING THIS RESTORATION PLAN.*

**Accessory use or accessory structure** - Any subordinate use, structure, or building or portion of a building located on the same lot as the main use or building to which it is subordinate.

**Accretion** - The growth of a beach by the addition of material transported by wind and/or water, including, but not limited to, shore forms such as barrier beaches, points, spits, and hooks.

**Act** - The Shoreline Management Act (See Chapter 90.58 RCW).

**Adjacent lands or properties** - Lands adjacent to the shorelines of the state (outside of shoreline jurisdiction). The SMA directs local governments to develop land use controls (i.e. zoning, comprehensive planning) for such lands consistent with the policies of the SMA, related rules and the local SMP (see RCW 90.58.340).

**Agriculture** - Agricultural uses, practices and activities. In all cases, the use of agriculture related terms shall be consistent with the specific meanings provided in WAC 173-26-020. Accessory agricultural uses may consist of garden plots, livestock pens, barns, or other structures supporting incidental agriculture on the property.

**Anadromous fish** - Fish species, such as salmon, which are born in fresh water, spend a large part of their lives in the sea, and return to freshwater rivers and streams to procreate.

**Appurtenance** - A structure or development which is necessarily connected to the use and enjoyment of a single-family residence and is located landward of the OHWM and also of the perimeter of any wetland. Typically includes a garage, deck, driveway, utilities, fences, installation of a septic tank, and drainfield and grading which does not exceed two hundred fifty cubic yards (250) (except to construct a conventional drainfield) and which does not involve placement of fill in any wetland or waterward of the OHWM (see WAC 173-27-040(2)(g)).

**Aquaculture** - The commercial cultivation of fish, shellfish, and/or other aquatic animals or plants including the incidental preparation of these products for human use.

**Archaeological** - Having to do with the scientific study of material remains of past human life and activities.

**Associated wetlands** - Those wetlands that are in proximity to and either influence, or are influenced by tidal waters or a lake or stream subject to the SMA. (See WAC 173-27-030(1)).

**Average grade level** - The average of the natural or existing topography of the portion of the lot, parcel, or tract of real property which will be directly under the proposed building or structure; provided that in case of structures to be built over water, average grade level shall be the elevation of OHWM. Calculation of the average grade level shall be made by averaging the elevations at the center of all exterior walls of the proposed building or structure (See WAC 173-27-030(3)).

**Baseline** - The existing shoreline condition, in terms of both ecological function and shoreline use, established at the time this SMP is approved.

**Beach** - The zone of unconsolidated material that is moved by waves, wind and tidal currents, extending landward to the coastline.

**Beach enhancement/restoration** - Process of restoring a beach to a state that more closely resembles a natural beach, using beach feeding, vegetation, drift sills and other nonintrusive means as applicable.

**Beach feeding** - Landfill deposited on land or in the water to be distributed by natural water processes for the purpose of supplementing beach material.

**Benthic organism or Benthos** - Living organisms that live in or on the bottom layer of aquatic systems, at the interface of the sediment (or substrate) and overlying water column. Benthos commonly refers to an assemblage of insects, worms, algae, plants and bacteria.

**Berm** - A linear mound or series of mounds of sand and/or gravel generally paralleling the water at or landward of the OHWM. A linear mound may be used to screen an adjacent activity, such as a parking lot, from transmitting excess noise and glare.

**Best Management Practices (BMPs)** - Methods of improving water quality that can have a great effect when applied by numerous individuals. BMPs encompass a variety of behavioral, procedural, and structural measures that reduce the amount of contaminants in stormwater runoff and in receiving waters.

**Bioengineering** - see Soil bioengineering.

**Biofiltration system** - A stormwater or other drainage treatment system that utilizes the ability of plant life to screen out and metabolize sediment and pollutants. Typically, biofiltration systems are designed to include grassy swales, retention ponds and other vegetative features.

**Biota** - The animals and plants that live in a particular location or region.

**BMPs** - see Best Management Practices.

**Boat launch or ramp** - Graded slopes, slabs, pads, planks, or rails used for launching boats by means of a trailer, hand, or mechanical device.

**Boat lift** - A mechanical device that can hoist vessels out of the water for storage, usually located along a pier.

**Boat lift canopy** - A translucent canopy or awning that is attached to the boat lift to shield the boat from sun and precipitation.

**Boathouse** - A structure designed for storage of vessels located over water or on shorelands. Boathouses do not include "houseboats" or "floating homes."

**Boating facility** - A public or private moorage structure serving more than four (4) residences.

**Breakwater** - An offshore structure generally built parallel to the shore that may or may not be connected to land, built to protect a harbor, moorage, or navigational activity from wave and wind action by creating a still-water area along the shore and to protect the shoreline from wave-caused erosion.

**Bulkhead** - A vertical or nearly vertical erosion protection structure placed parallel to the shoreline at or near the OHWM, consisting of concrete, timber, steel, rock, or other permanent material not readily subject to erosion.

**CERCLA** - Comprehensive Environmental Response, Compensation, and Liability Act ("Superfund"); 1986 amendments are known as Superfund Amendments and Reauthorization Act or "SARA."

**Channel Migration Zone (CMZ)** - The area within which a river channel is likely to move over a period of time, also referred to as the meander belt. Unless otherwise demonstrated through scientific and technical information, areas separated from the active river channel by legally existing artificial channel constraints that limit channel movement within incorporated municipalities and urban growth areas and all areas separated from the active channel by a legally existing artificial structure(s) that is likely to restrain channel migration, including transportation facilities, built above or constructed to remain intact through the one hundred-year flood should not be considered within the CMZ.

**Chapter 90.58 RCW** - The Shoreline Management Act of 1971.

**City** - The City of Lakewood.

**Clearing** - The destruction or removal of vegetation ground cover, shrubs and trees including, but not limited to, root material removal and/or topsoil removal.

**CMZ** - see Channel Migration Zone.

**Commercial** - Uses and facilities that are involved in wholesale or retail trade or business activities.

**Community Pier / Dock** - Joint use moorage serving more than four (4) residences that is tied to specific parcels by covenant or deed. Community piers are distinguished from marinas in that they do not offer moorage space for lease or sale.

**Comprehensive Plan** - Comprehensive plan means the document adopted by the city council, including all attachments, that outlines the City's goals and policies relating to growth management, and prepared in accordance with Chapter 36.70A RCW.

**Conditional Use** - A use, development, or substantial development that is classified as a conditional use or is not classified within the SMP. (See WAC 173-27-030(4)).

**Conservation Easement** - A legal agreement that the property owner enters into to restrict uses of the land. Such restrictions can include, but are not limited to, passive recreation uses such as trails or scientific uses and fences or other barriers to protect habitat. The easement is recorded on a property deed, runs with the land, and is legally binding on all present and future owners of the property, therefore, providing permanent or long-term protection.

**Covered moorage** - Boat moorage, without solid walls, that has a solid roof to protect the vessel and is attached to the dock itself or the substrate of the lake. See moorage cover.

**Cumulative impact** - The impact on the environment resulting from the incremental impact of past, present, and reasonably foreseeable future actions taken together regardless of what agency or person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time.

**CUP** - see Conditional Use Permit.

**Degrade** - To scale down in desirability or salability, to impair in respect to some physical property or to reduce in structure or function.

**Development** - The construction or exterior alteration of structures; dredging; drilling; dumping; filling; removal of any sand, gravel, or minerals; bulkheading; driving of piling; placing of obstructions; or any permanent or temporary project which interferes with the normal public use of the waters overlying lands subject to the SMA at any state of water level (See RCW 90.58.030(3a)).

**DFW** - the Washington State Department of Fish and Wildlife.

**DNR** - the Washington State Department of Natural Resources.

**Dock** - A floating moorage structure.

**Dredge spoil or Dredge material** - The material removed by dredging.

**Dredging** - Excavation or displacement of the bottom or shoreline of a water body by mechanical or hydraulic machines to maintain channel depths or berths for navigational purposes or to cleanup polluted sediments.

**Dwelling unit** - A single unit providing complete, independent living facilities for one or more persons, not to exceed one family, and includes permanent provisions for living, sleeping, eating, cooking and sanitation.

**EIS** - Environmental Impact Statement.

**Ecological functions** - The work performed or the role played by the physical, chemical, and biological processes that contribute to the maintenance of the aquatic and terrestrial environments that constitute the shoreline's natural ecosystem.

**Ecology** - The Washington State Department of Ecology.

**Ecosystem-wide processes** - The suite of naturally occurring physical and geologic processes of erosion, transport, and deposition; and specific chemical processes that shape landforms within a specific shoreline ecosystem and determine both the types of habitat and the associated ecological functions.

**EII** - Terminal section of a pier which typically extends perpendicular to the pier walkway. These sections can be either on fixed-piles or floating docks and are typically wider than the pier walkway.

**Emergency** - An unanticipated and imminent threat to public health, safety, or the environment which requires immediate action within a time too short to allow full compliance with the SMP. Emergency construction is construed narrowly as that which is necessary to protect property from the elements (See RCW 90.58.030(3eiii) and WAC 173-27-040(2d)).

**Endangered Species Act (ESA)** - A federal law intended to protect any fish or wildlife species that are threatened with extinction throughout all or a significant portion of its range. (See 16 U.S.C. § 1531 et seq.).

**Enhancement** - Alteration of an existing resource to improve or increase its characteristics and processes without degrading other existing functions. Enhancements are to be distinguished from resource creation or restoration projects.

**Environmental impacts** - The effects or consequences of actions on the natural and built environments, including effects upon the elements of the environment listed in the State Environmental Policy Act. (See WAC 197-11-600 and WAC 197-11-444).

**Environmentally Sensitive Areas Ordinance 03-1037, City of Lakewood** - This ordinance provides the goals, policies, and implementing regulations for protecting the designated critical areas of the City. The ordinance addresses environmentally sensitive area development controls; measures important for protecting and preserving these resources; preventing or mitigating cumulative adverse environmental impacts to critical areas; and serves to alert the public to the development limitations of critical areas.

**Environments or Shoreline Environment** - Designations given to specific shoreline areas based on the existing development pattern, the biophysical capabilities and limitations, and the goals and aspirations of local citizenry, as part of an SMP.

**Erosion** - The wearing away of land by of natural forces.



**Excavated moorage slip** - A boat mooring location that is man-made in that it requires dredging or excavation of excess sediment to afford access. Such slips may often involve dredging of the lake bottom waterward of the OHWM, or may include excavating a segment of the existing shoreline to enable moorage of a boat.

**Excavation** - The artificial movement of earth materials.

**Exemption** - Specific developments exempt from the definition of substantial developments and the Substantial Development Permit process of the SMA. An activity that is exempt from the substantial development provisions of the SMA must still be carried out in compliance with policies and standards of the Act and the local SMP. CUPs and/or Variances may also still be required even though the activity does not need a Substantial Development Permit (See WAC 172-27-040). For a complete list of exemptions, see Chapter 7.

**Fair market value** - The open market bid price for conducting the work, using the equipment and facilities, and purchasing the goods, services and materials necessary to accomplish a development, normally the cost of hiring a contractor to undertake the development from start to finish, including the cost of labor, materials, equipment and facility usage, transportation and contractor overhead and profit. The fair market value of the development shall include the fair market value of any donated, contributed or found labor, equipment or materials (See WAC 173-27-030(8)).

**Feasible** - An action, such as a development project, mitigation, or preservation requirement, that meets all of the following conditions:

- (a) The action can be accomplished with technologies and methods that have been used in the past in similar circumstances, or studies or tests have demonstrated in similar circumstances that such approaches are currently available and likely to achieve the intended results;
- (b) The action provides a reasonable likelihood of achieving its intended purpose; and
- (c) The action does not physically preclude achieving the project's primary intended legal use.

In cases where certain actions are required unless they are infeasible, the burden of proving infeasibility is on the applicant. In determining an action's infeasibility, the reviewing agency may weigh the action's relative public costs and public benefits, considered in the short- and long-term time frames.

**Fill** - The addition of soil, sand, rock, gravel, sediment, earth retaining structure, or other material to an area waterward of the OHWM, in wetland, or on shorelands in a manner that raises the elevation or creates dry land.

**Finger pier or fingers** - A narrow extension to a fixed-pile pier, usually extending perpendicular to the pier walkway along with an ell to form an enclosed area for boat moorage.

**Float** - A floating structure that is moored, anchored, or otherwise secured in the water offshore and that may be associated with a fixed-pile pier, or may be a standalone structure, such as platforms used for swimming and diving.

**Floating dock** - A fixed structure floating upon a water body for the majority of its length and connected to shore.

**Floating home** - A structure designed and operated substantially as a permanently based over water residence, typically served by permanent utilities and semi-permanent anchorage/moorage facilities. Floating homes are not vessels and lack adequate self-propulsion and steering equipment to operate as a vessel.

**Floodplain** - The land area susceptible to inundation with a one percent (1%) chance of being equaled or exceeded in any given year (synonymous with 100-year floodplain). The limits of this area are based on flood regulation ordinance maps or a reasonable method that meets the objectives of the SMA (See WAC 173-22-030(2)).

**Floodway** - The area, as identified in an SMP, that either: (i) has been established in Federal Emergency Management Agency flood insurance rate maps or floodway maps; or (ii) consists of those river valley areas lying streamward from the outer limits of a watercourse upon which flood waters are carried during periods of flooding that occur with reasonable regularity, identified, under normal conditions, by changes in surface soil conditions or in types or quality of vegetative ground cover condition, topography, or other flooding indicators occurring with reasonable regularity. The floodway shall not include those lands that are reasonably expected to be protected by flood control devices maintained by or under a license from the federal government, the state, or a political subdivision of the state.

**Geotechnical report or Geotechnical analysis** - A scientific study or evaluation conducted by a qualified expert that includes a description of the ground and surface hydrology and geology; the affected land form and its susceptibility to mass wasting, erosion, and other geologic hazards or processes; conclusions and recommendations regarding the effect of the proposed development on geologic conditions; the adequacy of the site to be developed; the impacts of the proposed development; alternative approaches to the proposed development; and measures to mitigate potential site-specific and cumulative geological and hydrological impacts of the proposed development, including the potential adverse impacts to adjacent and down-current properties. Geotechnical reports shall conform to accepted technical standards and must be prepared by qualified professional engineers or geologists who have professional expertise about the regional and local shoreline geology and processes.

**Grading** - The physical manipulation of the earth's surface and/or drainage pattern in preparation for an intended use or activity.

**Grassy swale** - A vegetated drainage channel that is designed to remove various pollutants from storm water runoff through biofiltration.

**Groin** - A barrier-type structure extending from, and usually perpendicular to, the backshore into a water body, to protect a shoreline and adjacent upland by influencing water movement and/or material deposits. This is accomplished by building or preserving an accretion beach on its up drift side by trapping littoral drift. A groin is relatively narrow in width but varies greatly in length. A groin is sometimes built in a series as a system and may be permeable or impermeable, high or low, and fixed or adjustable.

**Habitat** - The place or type of site where a plant or animal naturally or normally lives and grows.

**Hearing Examiner** - The Hearing Examiner of the City of Lakewood.

**Height** - The distance measured from the average grade level to the highest point of a structure; provided, that television antennas, chimneys and similar appurtenances shall not be used in calculating height, except where it obstructs the view of a substantial number of residences on areas adjoining such shorelines. Temporary construction equipment is excluded in this calculation (See WAC 173-27-030(9)).

**Heliport** - Any landing area or other facility used or intended to be used by private aircraft for landing or taking off of aircraft, including all associated or necessary buildings and open spaces.

**Hoist** - A device used for lifting or lowering a load by means of a drum or lift-wheel around which rope, fiber or chain wraps. It may be manually operated, electrically or pneumatically driven.

**Houseboat** - A vessel, principally used as an over water residence, licensed and designed for use as a mobile structure with detachable utilities or facilities, anchoring, and the adequate self-propulsion and steering equipment to operate as a vessel. Principal use as an overwater residence means occupancy in a single location, for a period exceeding two (2) months in any one calendar year. This definition includes live aboard vessels.

**Impervious surface** - Any horizontal surface artificially covered or hardened so as to prevent or impede the water percolation into the soil mantle including, but not limited to, roof tops, swimming pools, or paved or graveled roads, walkways or parking areas, but excluding landscaping and surface water retention/detention facilities.

**In-stream structure** - A structure placed by humans within a stream or river waterward of the OHWM that either causes or has the potential to cause water impoundment or water flow diversion, obstruction, or modification. In-stream structures may include structures used for hydroelectric generation, irrigation, water supply, flood control, transportation, utility service, fish habitat enhancement, or other purpose.

**Joint Use Community Pier or Dock** - A pier, dock, or secured float or floats for vessel moorage, fishing, or other water use that is shared by two (2) or more users.

**Lake** - A body of standing water in a depression of land or expanded part of a river, including, but not limited to, reservoirs of twenty (20) acres or greater in total area. A lake is bounded by the OHWM or, where a stream enters a lake, the extension of the elevation of the lake's OHWM within the stream (See RCW 90.58.030(1d); WAC 173-20-030; WAC 173-22-030(4)).

**Landfill** - The creation of, or addition to, a dry upland area (landward of the OHWM) by the addition of rock, soil, gravels and earth or other material, but not solid or hazardous waste.

**Landscaping** - Vegetation ground cover including shrubs, trees, flower beds, grass, ivy and other similar plants and including tree bark and other materials which aid vegetative growth and maintenance.

**Launching rail** - See Boat launch or ramp.

**Launching ramp** - See Boat launch or ramp.

**LID** - Low Impact Development.

**Littoral** - Living or occurring on the shore.

**Littoral drift** - The mud, sand, or gravel material moved parallel to the shoreline in the nearshore zone by waves and currents. **Marina** - A private or public facility providing the purchase or lease of a slip for storing, berthing and securing boats or watercraft, including both long-term and transient moorage, including, but not limited to, accessory facilities that provide incidental services to marina users, such as waste collection, boat sales or rental activities, and retail establishments providing fuel service, repair or service of boat. Community docks and piers, which serve specific upland parcels and which do not offer moorage for purchase by the general public, shall not be considered to be marinas.

**Low Impact Development (LID)** - A stormwater and land use management strategy that strives to mimic pre-disturbance hydrologic processes of infiltration, filtration, storage, evaporation, and transpiration by emphasizing conservation, use of on-site natural features, site planning, and distributed stormwater management practices that are integrated into a project design.

**May** - Signifies an action is permitted but not required, provided it conforms to the provisions of this SMP.

**Mitigation or Mitigation sequencing** - The process of avoiding, reducing, or compensating for the environmental impact(s) of a proposal through the following sequence of steps, listed in order of priority: (See WAC 197-11-768 and WAC 173-26-020(30))

- (a) Avoiding the impact all together by not taking a certain action or parts of an action;
- (b) Minimizing impacts by limiting the degree or magnitude of the action by using appropriate technology or by taking affirmative steps to avoid or reduce impacts;
- (c) Rectifying the impact by repairing, rehabilitating, or restoring the affected environment;
- (d) Reducing or eliminating the impact over time by preservation and maintenance operations;
- (e) Compensating for the impact by replacing, enhancing, or providing substitute resources or environments; and
- (f) Monitoring the impact and the compensation projects and taking appropriate corrective measures.

**Moorage** - Any device or structure used to secure a vessel for temporary anchorage, but which is not attached to the vessel (such as a pier or buoy).

**Moorage Piles** - Structural members driven into the lake bed to serve as a stationary moorage point. They are typically used for moorage of small boats in the absence of, or instead of, a dock or pier. In some cases, moorage piles may be associated with a dock or pier.

**Multi-family dwelling or Multi-family residence** - A building containing two (2) or more dwelling units, including, but not limited to, duplexes, triplexes, four-plexes, apartment buildings and condominium buildings.

**Must** - Signifies an action is required.

**Native plants** - Plants that occur naturally, and that distribute and reproduce without aid. Native plants in western Washington are those that existed prior to intensive settlement that began in the 1850s.

**Nonconforming use or development** - A shoreline use or structure which was lawfully constructed or established prior to the effective date of the SMA or the SMP or amendments thereto, but which no longer conforms to present regulations or standards of the program (See WAC 173-27-080).

**Ordinary High Water Mark (OHWM)** - The mark that will be found by examining the bed and banks and ascertaining where the presence and action of waters are so common and usual, and so long continued in all ordinary years, as to mark upon the soil a character distinct from that of the abutting upland, in respect to vegetation as that condition exists on June 1, 1971, as it may naturally change thereafter, or as it may change thereafter in accordance with permits issued by a local government or Ecology provided, that in any area where the OHWM cannot be found, OHWM adjoining fresh water shall be the line of mean high water. (See RCW 90.58.030(2)(b) and WAC 173-22-030(11)).

**Overwater structure** - Any device or structure projecting over the OHWM, including, but not limited to, piers, docks, floats, and moorage.

**Permit or Shoreline Permit** - Any substantial development permit, CUPs or variance, or revision, or any combination thereof, authorized by the Act (See WAC 173-27-030(13)).

**Pier** - A fixed, pile-supported moorage structure.

**Priority habitat** - A habitat type with unique or significant value to one or more species. An area classified and mapped as priority habitat must have one or more of the following attributes:

- (a) Comparatively high fish or wildlife density;
- (b) Comparatively high fish or wildlife species diversity;
- (c) Fish spawning habitat;
- (d) Important wildlife habitat;
- (e) Important fish or wildlife seasonal range;
- (f) Important fish or wildlife movement corridor;
- (g) Rearing and foraging habitat;
- (h) Important marine mammal haul-out;
- (i) Refuge habitat;
- (j) Limited availability;
- (k) High vulnerability to habitat alteration;
- (l) Unique or dependent species; or
- (m) Shellfish bed.

A priority habitat may be described by a unique vegetation type or by a dominant plant species that is of primary importance to fish and wildlife (such as oak woodlands or eelgrass meadows); by a successional stage (such as, old growth and mature forests); or by a specific habitat element (such as a consolidated marine/estuarine shoreline, talus slopes, caves, snags) of key value to fish and wildlife. A priority habitat may contain priority and/or non-priority fish and wildlife.

**Priority species** - Species requiring protective measures and/or management guidelines to ensure their persistence at genetically viable population levels, and that meet any of the criteria listed below:

- (a) State-listed or state proposed species. State-listed species are those native fish and wildlife species legally designated as endangered (WAC 232-12-014), threatened (WAC 232-12-011), or sensitive (WAC 232-12-011). State proposed species are those fish and wildlife species that will be reviewed by DFW (POL-M-6001) for possible listing as endangered, threatened, or sensitive according to the process and criteria defined in WAC 232-12-297.
- (b) Vulnerable aggregations. Vulnerable aggregations include those species or groups of animals susceptible to significant population declines, within a specific area or statewide, by virtue of their inclination to congregate. Examples include heron colonies, seabird concentrations, and marine mammal congregations.

- (c) Species of recreational, commercial, and/or tribal importance. Native and nonnative fish, shellfish, and wildlife species of recreational or commercial importance and recognized species used for tribal ceremonial and subsistence purposes that are vulnerable to habitat loss or degradation.
- (d) Species listed under the federal Endangered Species Act as proposed, threatened, or endangered.

**Professional engineer** - A person who, by reason of his or her special knowledge of the mathematical and physical sciences and the principles and methods of engineering analysis and design, acquired by professional education and practical experience, is qualified to practice engineering and is licensed by the State of Washington or another state.

**Proposed, Threatened, and Endangered Species** - Those native species that are proposed to be listed or are listed by DFW as threatened or endangered, or that are proposed to be listed or are listed as threatened or endangered under the federal Endangered Species Act.

**Public access** - The ability of the general public to reach, touch, and enjoy the water's edge, to travel on the waters of the state, and to view the water and the shoreline from adjacent locations. (See WAC 173-26-221(4)).

**Public interest** - The interest shared by the citizens of the state or community at large in the affairs of government, or some interest by which their rights or liabilities are affected such as an effect on public property or on health, safety, or general welfare resulting from a use or development (See WAC 173-27-030(14)).

**Public use** - Public use means to be made available daily to the general public on a first-come, first-served basis, and may not be leased to private parties on any more than a day use basis. (See WAC 332-30-106)).

**RCW** - Revised Code of Washington.

**Residential development** - Development which is primarily devoted to or designed for use as a dwelling(s), including, but not limited to, single-family development, multi-family development, and the creation of new residential lots through land division.

**Recreational float** - A floating structure that is moored, anchored, or otherwise secured in the water offshore and that is generally used for recreational purposes such as swimming and diving.

**Recreational Use or Development** - Facilities such as parks, trails, and pathways, whether public, private or commercial, that provide a means for relaxation, play, or amusement. For the purposes of this SMP, recreational facilities are divided into two categories:

- (a) Water-oriented (i.e. - moorage facilities, fishing piers, recreational floats, trails, swimming beaches, overlooks, etc.); and
- (b) Non-water-oriented (i.e. - sports fields, golf courses, sport courts, etc.).

**Restoration or Ecological restoration** - The reestablishment or upgrading of impaired ecological shoreline processes or functions accomplished through measures including, but not limited to, revegetation, removal of intrusive shoreline structures and removal or treatment of toxic materials. Restoration does not imply a requirement for returning the shoreline area to aboriginal or pre-European settlement conditions.

**Riparian** - Of, on, or pertaining to the banks of a river, stream or lake.

**Riprap** - A layer, facing, or protective mound of stones placed to prevent erosion, scour, or sloughing of a structure or embankment; also, the stone so used.

**Rotovating** - An aquatic vegetation harvesting technique that uses rototilling technology to uproot and remove plants.

**Runoff** - Water that is not absorbed into the soil but rather flows along the ground surface following the topography.

**Sediment** - The fine grained material deposited by water or wind.

**SEPA** - see State Environmental Policy Act

**SEPA Checklist** - The checklist required of some projects under SEPA to identify the probable significant adverse impacts on the quality of the environment, to help to reduce or avoid impacts from a proposal, and to help the responsible governmental agency decide whether a full environmental impact statement (EIS) is required (See WAC 197-11-960).

**Setback** - A required open space, specified in SMPs, measured horizontally upland from and perpendicular to the OHWM.

**Shall** - Signifies an action is required.

**Shorelands or Shoreland Areas** - Those lands extending landward for two hundred (200) feet in all directions as measured on a horizontal plane from the OHWM; floodways and contiguous flood plain areas landward two hundred (200) feet from such floodways; and all wetlands and river deltas associated with the streams, lakes, and tidal waters which are subject to the provisions of the SMA. Shorelands in the City are limited to those areas within two hundred (200) feet of the OHWM of American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek and any associated wetlands.

**Shoreline Administrator** - The City of Lakewood Planning and Community Development Director or his/her designee, charged with the responsibility of administering this SMP.

**Shoreline jurisdiction** - All of the geographic areas covered by the SMA, related rules and the applicable SMP. In the City, shoreline jurisdiction includes American Lake, Gravelly Lake, Lake Louise, Lake Steilacoom, Waughop Lake, Chambers Creek, and Clover Creek, those areas within two hundred (200) feet of the OHWM of these water bodies, and any associated wetlands. See definitions of Shorelines, Shorelines of the state, Shorelines of statewide significance, Shorelands, and Wetlands,

**Shoreline Management Act (SMA)** - Chapter 90.58 RCW, as amended. Washington law adopted to prevent the inherent harm in an uncoordinated and piecemeal development of the state's shorelines.

**Shoreline Master Program (SMP)** - The comprehensive use plan and related use regulations used by local governments to administer and enforce the permit system for shoreline management. SMPs must be developed in accordance with the policies of the SMA, be approved and adopted by the state, and be consistent with the rules WACs) adopted by Ecology.



**Shoreline Master Program Guidelines** - The Shoreline Master Program (SMP) Guidelines are state standards which local governments must follow in drafting their shoreline master programs. The Guidelines translate the broad policies of the Shoreline Management Act (RCW 90.58.020) into standards for regulation of shoreline uses.

**Shoreline modification** - Those actions that modify the physical configuration or qualities of the shoreline area, usually through the construction of a physical element such as a dike, breakwater, pier, weir, dredged basin, fill, bulkhead, or other shoreline structure. They can also include other actions, such as clearing, grading, or application of chemicals.

**Shoreline permit** - A substantial development permit, CUP, revision, or variance or any combination thereof (See WAC 173-27-030(13)).

**Shoreline stabilization** - Actions taken to address erosion impacts to property and dwellings, businesses, or structures caused by natural processes, such as current, flood, tides, wind or wave action. These actions include structural measures such as bulkheads and nonstructural methods such as soil bioengineering.

**Shoreline vegetation management plan (SVMP)** - A plan prepared by an applicant that identifies appropriate mitigation, performance assurances, and maintenance and monitoring requirements necessary to assure no net loss of ecological functions.

**Shorelines** - All of the water areas of the state, including reservoirs and their associated shorelands, together with the lands underlying them, except those areas excluded under RCW 90.58.030(2)(d).

**Shorelines Hearings Board** - A state-level quasi-judicial body, created by the SMA, which hears appeals by any aggrieved party on the issuance of a shoreline permit, enforcement penalty and appeals by local government. (See RCW 90.58.170; 90.58.180).

**Shorelines of statewide significance** - A select category of shorelines of the state, defined in RCW 90.58.030(2)(e), where special use preferences apply and greater planning authority is granted by the SMA. SMP policies, use regulations and permit review must acknowledge the use priorities for these areas established by the SMA. (See RCW 90.58.020).

**Shorelines of the state** - Shorelines and shorelines of statewide significance.

**Should** - Signifies an action is required unless there is a demonstrated, compelling reason, based on policy of the SMA and this SMP, against taking the action.

**Sign** - A board or other display containing words and/or symbols used to identify or advertise a place of business or to convey information. Excluded from this definition are signs required by law and the flags of national and state governments.

**Single-family residence** - A detached dwelling designed for and occupied by one (1) family including those structures and developments within a contiguous ownership which are a normal appurtenance (See WAC 173-27-040(2g)).

**SMA** - see Shoreline Management Act.

**SMP** - see Shoreline Master Program.

**Soil bioengineering** - An applied science that combines structure, biological and ecological concepts to construct living structures that stabilizes the soil to control erosion, sedimentation and flooding using live plant materials as a main structural component.

**Solid waste** - All garbage, rubbish trash, refuse, debris, scrap, waste materials and discarded materials of all types, whether the sources be residential or commercial, exclusive of hazardous wastes, and including any and all source-separated recyclable materials and yard waste.

**State Environmental Policy Act (SEPA)** - State law that requires state agencies, local governments and other lead agencies to consider environmental factors when making most permit decisions, especially for development proposals of a significant scale. As part of the SEPA process, EISs and public comment may be required.

**Stream** - A naturally occurring body of periodic or continuously flowing water where the mean annual flow is greater than twenty (20) cubic feet per second and the water is contained within a channel (See WAC 173-22-030(8)).

**Structure** - A permanent or temporary edifice or building, or any piece of work artificially built or composed of parts joined together in some definite manner, whether installed on, above or below the surface of the ground or water, except for vessels (See WAC 173-27-030(15)).

**Substantial Development** - Any development of which the total cost or fair market value exceeds six thousand, four hundred, and sixteen dollars (\$6,416), or any development which materially interferes with the normal public use of the water or shorelines of the state. The dollar threshold established in this definition must be adjusted for inflation by the Washington State Office of Financial Management every five (5) years based upon changes in the consumer price index during that time period. "Consumer price index" means, for any calendar year, that year's annual average consumer price index, Seattle, Washington area, for urban wage earners and clerical workers, all items, compiled by the Bureau of Labor and Statistics, United States Department of Labor. The total cost or fair market value of the development shall include the fair market value of any donated, contributed or found labor, equipment or materials. A list of activities and developments that shall not be considered substantial development is provided in Chapter 7 (See WAC 173-27-040(2)(a)).

**SVMP** - see Shoreline Vegetation Management Plan.

**Terrestrial** - Of or relating to land as distinct from air or water.

**Upland** - The dry land area above and landward of the OHWM.

**Utilities** - Services and facilities that produce, transmit, store, process or dispose of electric power, gas, water, stormwater, sewage and communications.

**Utilities, Accessory** - Utilities comprised of small-scale distribution and collection facilities connected directly to development within the shoreline area. Examples include local power, telephone, cable, gas, water, sewer and stormwater service lines.

**Utilities, Primary** - Utilities comprised of trunk lines or mains that serve neighborhoods, areas and cities. Examples include solid waste handling and disposal sites, water transmission lines, sewage treatment facilities and mains, power generating or transmission facilities, gas storage and transmission facilities and stormwater mains and regional facilities.

**Variance** - A means to grant relief from the specific bulk, dimensional or performance standards specified in the applicable SMP, but not a means to vary a shoreline use. A variance must be specifically approved, approved with conditions, or denied by Ecology (See WAC 173-27-170).

**WAC** - Washington Administrative Code.

**Water-dependent use** - A use or a portion of a use which cannot exist in any other location and is dependent on the water by reason of the intrinsic nature of its operations, including, but not limited to, moorage structures (including those associated with residential properties), ship cargo terminal loading areas, ferry and passenger terminals, barge loading facilities, ship building and dry docking, marinas, aquaculture, float plane facilities and sewer outfalls.

**Water-enjoyment use** - A recreational use or other use that facilitates public access to the shoreline as a primary characteristic of the use; or a use that provides for recreational use or aesthetic enjoyment of the shoreline for a substantial number of people as a general characteristic of the use and which through location, design, and operation ensures the public's ability to enjoy the physical and aesthetic qualities of the shoreline. In order to qualify as a water-enjoyment use, the use must be open to the general public and the shoreline-oriented space within the project must be devoted to the specific aspects of the use that fosters shoreline enjoyment.

**Water-oriented use** - Refers to any combination of water-dependent, water-related, and/or water enjoyment uses.

**Water quality** - The physical characteristics of water within shoreline jurisdiction, including water quantity, hydrological, physical, chemical, aesthetic, recreation-related, and biological characteristics. "Water quantity" refers only to development and uses regulated and affecting water quantity, such as impermeable surfaces and storm water handling practices. Water quantity does not mean the withdrawal of ground water or diversion of surface water pursuant to RCW 90.03.250 through RCW 90.03.340.

**Water-related use**- A use or a portion of a use which is not intrinsically dependent on a waterfront location but whose economic viability is dependent upon a waterfront location because:

- (a) Of a functional requirement for a waterfront location such as the arrival or shipment of materials by water or the need for large quantities of water or,

The use provides a necessary service supportive of the water-dependent commercial activities and the proximity of the use to its customers makes its services less expensive and/or more convenient. Examples include manufacturers of ship parts large enough that transportation becomes a significant factor in the products cost, professional services serving primarily water-dependent activities and storage of water-transported foods. Examples of water-related uses may include warehousing of goods transported by water, seafood processing plants, hydroelectric generating plants, gravel storage when transported by barge, oil refineries where transport is by tanker and log storage.

**Wetlands or Wetland areas** - Areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions, generally including swamps, marshes, bogs and similar areas, but not those artificial wetlands intentionally created from non-wetland sites, such as irrigation and drainage ditches, grass-lined swales, canals, detention facilities, wastewater treatment facilities, farm ponds, and landscape amenities, or those wetlands created after July 1, 1990, that were unintentionally created as a result of the construction of a road, street, or highway. Wetlands may include those artificial wetlands intentionally created from non-wetland areas to mitigate the conversion of wetlands.

**Zoning** - To designate by ordinance, including maps, areas of land reserved and regulated for specific land uses.

## 9. REFERENCES

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- Woodward-Clyde. January 1998. American Lake Watershed Management Plan. Prepared for Pierce County Department of Public Works and Utilities.
- Brown and Caldwell and UW Tacoma. 2017. Waughop Lake Management Plan, February 2017.
- Aquatechnex and Stakeholder Group. 2018. American Lake Integrated Aquatic Vegetation Management Plan, August 30, 2018.

**Adopt new definitions in LMC Section 17.02, adopt a new Chapter 17.24 including regulations governing unit lot subdivisions per RCW 58.17.060 (3), and amend LMC Section 17.38.035.**

### **Section 17.02.035 Definitions**

\* \* \*

“Parent lot” means a lot which is subdivided into unit lots through the unit lot subdivision process.

\* \* \*

“Unit lot” means a subdivided lot within a development, created from a parent lot and approved through the unit lot subdivision process.

“Unit lot subdivision” means a subdivision or short subdivision utilizing this section and approved through the unit lot subdivision process.

### **Chapter 17.24 Unit Lot Subdivisions**

#### **17.24.010 Purpose**

The purpose of this chapter is to provide an alternate process for the subdivision of land into unit lots for the creation of townhouse, cottage housing, attached housing, and similar developments. This process allows for fee-simple ownership while applying development standards primarily to a parent site, rather than to the individual lots resulting from a subdivision.

#### **17.24.020 Applicability**

- A. The provisions of this chapter apply exclusively to the subdivision of land for townhouses, cottage housing, attached housing, and similar residential developments. These regulations ensure that development on individual unit lots need not conform to minimum lot area or dimensional standards, provided the overall development of the parent lot meets applicable standards.
- B. A unit lot subdivision is permitted in all zones that permit residential land uses.
- C. A unit lot subdivision creates a relationship between the parent lot and two (2) or more unit lots created.
- D. A unit lot subdivision may be used for any development with two (2) or more dwelling units on parent sites of two (2) acres or less that meet the standards of this section.
- E. Subdivisions with a commercial or other non-residential use seeking similar flexibility must be approved through a binding site plan under Chapter 17.30 LMC.

- F. A unit lot subdivision may be combined with a subdivision or short subdivision so long as the portion of the development utilizing this section meets the requirements of this section.
- G. Existing developments which meet or can be brought into conformance with the requirements of this chapter may submit an application for a unit lot subdivision.

#### **17.24.030 General Requirements**

- A. Parent and unit lots are subject to all applicable requirements of Titles 12 (Public Works), 14 (Environmental Protection), 15 (Buildings and Construction), 16 (Shoreline Master Program), 17 (Subdivisions), 18A (Land use and Development Code), 18B (Downtown Development Code), and 18C (Station District Development Code), except as modified by this section.
- B. Development on individual unit lots do not need to conform to minimum lot area, density, frontage, or dimensional requirements, provided that development on the parent lot conforms to these requirements.
- C. All buildings shall meet all applicable provisions of the building and fire codes.
- D. Required parking for a dwelling unit may be provided on a different unit lot than the dwelling unit if the right to use the parking is formalized by an easement recorded with the county.
- E. Adequate provisions for ingress, egress, emergency services, and utilities must be ensured through recorded easements. Access easements, joint use agreements, and maintenance agreements must be executed for use and maintenance of common areas and recorded with the county.
- F. Portions of the parent site not subdivided for unit lots shall be identified as tracts and owned in common by the owners of the unit lots.
- G. Common areas and facilities, which may include parking and open spaces, shall be maintained by a homeowners' association or the owners of the unit lots.

#### **17.24.040 Application Procedure**

- A. Unit lot subdivisions shall be otherwise processed as subdivisions under this Title.
- B. Unit lot subdivisions creating nine or fewer lots shall be processed as short subdivisions under Chapter 17.22.
- C. Applications for a unit lot subdivision must fulfill the applicable requirements for a subdivision or short subdivision, and also identify:



1. Areas and facilities owned in common by the owners of the unit lots, including garages, parking, vehicle access, and open space;
2. Access easements, joint use and maintenance agreements, and covenants, conditions, and restrictions identifying the rights and responsibilities of property owners and/or the homeowners association for use and maintenance of common areas; and
3. Conformance of the parent lot with all applicable development requirements.

#### **17.24.050 Approval Criteria**

Unit lot subdivisions are subject to approvals based on the requirements for a subdivision or short subdivision, in addition to the following additional criteria:

- A. The requirements provided in this chapter are satisfied.
- B. All common areas should be located/recorded in tracts and owned by undivided interests.
- C. The parent lot is designed to function as one site with respect to, but not limited to, lot access, interior circulation, open space, landscaping, drainage facilities, facility maintenance and parking;
- D. Appropriate provisions are made for the public health, safety and general welfare and for such open spaces, drainage ways, streets or roads, alleys, other public ways, transit stops, potable water supplies, sanitary wastes, and parks and recreation; and
- E. The conditions of use, maintenance and restrictions on redevelopment of shared open space, parking, access and other improvements are identified and enforced by the covenants, easements or other similar mechanisms.

#### **17.24.060 Recording**

The plat recorded with the county a for a unit lot subdivision is required include the following in addition to the requirements for a plat in LMC 17.10.025 or short plat in LMC 17.22.020:

- A. A title that includes "Unit Lot Subdivision."
- B. Access easements, joint use and maintenance agreements, and covenants, conditions, and restrictions identifying the rights and responsibilities of property owners and/or the homeowners association for use and maintenance of common areas, including garages, parking, vehicle access, and open space.

C. Notes to acknowledge the following:

1. Approval of the subdivision was based on the review of the development as a whole on the parent lot;
2. Subsequent platting actions or additions or modifications to structures may not create or increase any nonconformity of the parent site as a whole, and shall conform to the approved site plan;
3. If a structure or portion of a structure has been damaged or destroyed, any repair, reconstruction or replacement of the structure(s) shall conform to the approved site development plan;
4. Additional development of the individual lots may be limited as a result of the application of development standards to the parent site;
5. Individual unit lots are not separate buildable sites and additional development may be limited;
6. Subsequent platting actions or modifications may not create or increase nonconformity of the parent site.

**17.38.035 Record of survey.**

\* \* \*

E. The plat map submitted for recording in the Auditor's Office shall contain all survey information required for a record of survey under the "Survey Recording Act," Chapter 58.09 RCW and Chapter 332-130 WAC, together with the following additional signature blocks, which shall be fully executed before approval:

SURVEYOR'S CERTIFICATE

This map correctly represents a survey made by me or under my direction in conformance with the requirements of Survey Recording Act at the request of on , 20\_\_ .

Certificate Number

Surveyor

COMMUNITY AND ECONOMIC DEVELOPMENT DEPARTMENT

\_\_\_\_\_  
Community Development Director Date

~~CITY ASSESSOR-TREASURER~~

I hereby certify that all state and city taxes heretofore levied against the property described hereon, according to the books and records of my offices, have been fully paid.

\_\_\_\_\_  
Deputy Assessor/Treasurer Date

Reviewed for Segregation

\_\_\_\_\_  
Deputy Assessor/Treasurer Date

## Chapter 18A.10 BASIC PROVISIONS

Sections:

18A.10.010	Title.
18A.10.020	Purpose.
18A.10.030	Scope.
18A.10.040	Rules of code interpretation.
18A.10.050	Computation of time.
18A.10.060	Measurements.
18A.10.070	Interpretations.
18A.10.080	Authority and comprehensive plan consistency.
18A.10.090	Comprehensive plan amendments.
18A.10.100	General requirements.
18A.10.110	Severability.
18A.10.120	Establishment of zoning districts.
18A.10.125	JBLM Air Installation Compatible Use Zone (AICUZ) in relation to land use zones.
18A.10.130	Establishment of overlay districts.
18A.10.135	Establishment of military influence area.
18A.10.135.1	Purpose.
18A.10.135.2	Applicability.
18A.10.135.3	Definitions.
18A.10.135.4	Administration.
18A.10.135.5	Coordinating officials.
18A.10.135.6	Lakewood Military Coordination and Notice Area (MCNA).
18A.10.135.7	Coordination between the City of Lakewood and JBLM.
18A.10.135.8	Light emissions.
18A.10.135.9	Notice to property owners.
18A.10.135.10	Compatible use standards.
18A.10.135.11	Property records and GIS.
18A.10.135.12	No delegation of local authority.
18A.10.140	Establishment of subareas.
18A.10.150	Adoption of City-wide and subarea zoning maps.
18A.10.160	Boundaries – Administrative determination.
18A.10.170	Boundaries – Planning Commission recommendation – City Council determination.
18A.10.175	Reasonable accommodation.
18A.10.180	Definitions.

### 18A.10.010 Title.

This title shall be **shall be** known and may be cited as the “Lakewood Land Use and Development Code,” hereinafter referred to as “this title” or “this code.” [Ord. 726 § 2 (Exh. B), 2019.]

## 18A.10.020 Purpose.

The broad intent of the Lakewood Land Use and Development Code is to implement the City of Lakewood Comprehensive Plan, as now adopted and as may be subsequently amended, hereinafter referred to as the "Comprehensive Plan," in order to protect and promote the health, safety, and general welfare of Lakewood's citizens through regulation of the City's physical development. The regulations included herein work toward overall public goals of providing for orderly development; lessening street congestion; promoting fire safety and public order; and ensuring the adequacy of public infrastructure such as transportation, water, sewer, schools, parks, and storm drainage.

The City strives to honor fundamental property rights and interests of private citizens while serving the overall good of the community as a whole. By their nature, land use regulations call upon government to balance the community's interests with those of individual property owners. This may result in regulations for the community good that serve to limit the use of property and prevent maximum financial profit for individuals. In allowing reasonable use of property, this effect is not confiscatory and is a proper exercise of the police power afforded to government.

Specifically, this code is intended to:

- A. Foster improved relationships and harmony among land uses in order to overcome past, haphazard development patterns.
- B. Preserve the qualities of those residential neighborhoods that offer desirable living environments, while encouraging improvement to others whose character undermines good-quality living conditions.
- C. Diminish the reliance of current development patterns on automobile use and, over time, integrate multi-modal transportation opportunities into new development and redevelopment to support pedestrians, bicycles, and transit as well as cars.
- X. Plan for housing to ensure affordability across all income levels, support different housing types to meet a range of household needs, and support the preservation of existing affordable housing stock.
- D. Provide for adequate public facilities and services to support land development.
- E. Promote social and economic well-being through integration of aesthetic, environmental, and economic values.
- F. Encourage protection of environmentally critical or historically significant resources.
- G. Ensure provision of adequate space for housing, commercial/industrial endeavors, and other activities necessary for public welfare.
- H. Provide for effective and equitable administration and enforcement of the regulations contained herein. [Ord. 726 § 2 (Exh. B), 2019.]

...

### **18A.10.120 Establishment of zoning districts.**

A. In order to regulate the use of land and structures, the City is divided into the following land use zoning district classifications. The development potential of any individual property under these zoning classifications shall be based on the net buildable area of that property, and shall be further subject to the availability of necessary utilities, critical area regulations, impact mitigation and other applicable development policies, regulations and standards.

Parcels Containing Two (2) or More Zoning Districts.

1. For parcels containing two (2) or more zoning districts (“split zoning”), the location of the zoning district boundary shall be determined by the Director.
2. For parcels containing two (2) or more zoning districts, the applicable regulations for each zoning district shall apply within the zoning district boundaries as identified on the Zoning Map.
3. When a zoning district boundary interferes with existing structures or setbacks, the Director may approve a minor adjustment of the boundary.

B. Each zoning district and the abbreviated designation suffix are listed below. See subsections (C) and (D) of this section and Chapter 18A.40 LMC for more details about each zoning district.

<b>Name</b>	<b>Symbol</b>
<b><del>Single-Family</del> Residential</b>	
Residential 1	R1
Residential 2	R2
Residential 3	R3
Residential 4	R4
<b>Mixed Residential</b>	
Mixed Residential 1	MR1
Mixed Residential 2	MR2
<b>Multifamily</b>	
Multifamily 1	MF1
Multifamily 2	MF2
Multifamily 3	MF3
<b>Neighborhood Business</b>	
Arterial Residential/Commercial	ARC

<b>Name</b>	<b>Symbol</b>
Neighborhood Commercial 1	NC1
Neighborhood Commercial 2	NC2
<b>Commercial</b>	
Transit-Oriented Commercial	TOC
Central Business District	CBD
Commercial 1	C1
Commercial 2	C2
Commercial 3	C3
<b>Military-Related</b>	
Military Lands	ML
Air Corridor 1	AC1
Air Corridor 2	AC2
Clear Zone	CZ
<b>Public/Institutional</b>	
Public/Institutional	PI
<b>Open Space/Recreation</b>	
Open Space and Recreation 1	OSR1
Open Space and Recreation 2	OSR2

C. Relationship between Comprehensive Plan Land Use Designations Map Designations and Zoning Districts.

<b>Land Use Designation</b>	<b>Land Use Zoning District</b>
	Clear Zone (CZ)
<b>Air Corridor 1 (AC1)</b>	Air Corridor 1 (AC1)
	Air Corridor 2 (AC2)
	Clear Zone (CZ)
<b>Air Corridor 2 (AC2)</b>	Air Corridor 1 (AC1)
	Air Corridor 2 (AC2)
<b>Arterial Corridor (ARC)</b>	Arterial Residential/Commercial (ARC)
	Transit-Oriented Commercial (TOC) -- only within Lakewood Station District
<b>Corridor Commercial (CC)</b>	Commercial 1 (C1)
	Commercial 2 (C2)



## Land Use Designation

### Downtown

### High-Density Multifamily (HD)

### Industrial (I)

### Public and Semi-Public Institutional (PI)

### Multifamily (MF)

### Military Lands (ML)

### Mixed Residential (MR)

### Neighborhood Business District (NBD)

### Open Space and Recreation (OSR)

### Residential (R)

## Land Use Zoning District

Commercial 3 (C3)

Central Business District (CBD)

Multifamily 2 (MF2)

Multifamily 3 (MF3)

Industrial Business Park (IBP)

Industrial 1 (I1)

Industrial 2 (I2)

Public Institutional (PI)

Multifamily 1 (MF1)

Military Lands (ML)

Mixed Residential 1 (MR1)

Mixed Residential 2 (MR2)

Neighborhood Commercial 1 (NC1)

Neighborhood Commercial 2 (NC2)

Open Space and Recreation 1 (OSR1)

Open Space and Recreation 2 (OSR2)

Residential 1 (R1)

Residential 2 (R2)

Residential 3 (R3)

Residential 4 (R4)

## D. Purpose and Applicability of Zoning Districts.

### 1. ~~Single-Family~~ Residential Zoning Districts.

- a. Purpose. The Residential 1 (R1) ~~and Residential 2 (R2)~~ zoning districts ~~provide for a continuation of large residential lots in specific areas where a pattern of large lots and extensive tree coverage exists. These zoning districts seek to preserve the identity of these residential areas, preserve significant tree stands and riparian environments along lake shores and within stream corridors, and reduce traffic volumes in the east-west arterial corridors.~~ primarily consists of larger residential lots where environmental factors would prevent more intensive development. This includes environmentally sensitive areas where development may impact lakes, creek habitat and Lakewood Water District wellheads.

~~The Residential 3 (R3) and Residential 4 (R4) zoning districts are the City's primary residential zones, which provide for single-family dwellings in established residential neighborhoods. The Residential 4 (R4) designation provides for increased residential~~

density through smaller lot sizes and allowance for residential development comprising two (2) units per lot.

The Residential 2 (R2) and Residential 3 (R3) zoning districts accommodate a range of detached and attached housing types, including middle housing, accessory dwelling units (ADUs), and smaller- and moderate-scale multi-family housing.

The Residential 4 (R4) zoning districts include single-family, middle housing, ADUs, and smaller- and moderate-scale multi-family housing with greater densities and smaller lot sizes. These areas are typically allocated in neighborhoods where housing on individual lots is expected, but the area includes supporting infrastructure, amenities, and services that allow for higher-density development.

- b. Applicability. The R1, ~~and R2, R3, and R4~~ zoning districts are applicable to lands designated Residential ~~Estate~~ in the comprehensive plan.

~~The R3 and R4 zoning districts are applicable to lands designated Single Family in the comprehensive plan.~~

## 2. Mixed Residential Zoning Districts.

- a. Purpose. The Mixed Residential 1 (MR1) and Mixed Residential 2 (MR2) zoning districts promote residential renewal to small-lot detached single-family residential dwellings, attached single-family dwellings, and two-family residential development. Small scale multifamily residential is permitted in the MR-2 zone. These districts provide for moderate residential density using a variety of urban housing types and designs. The mix of housing may take a variety of forms, either mixed within a single site or mixed within a general area, with varied dwelling types. Development standards for the Mixed Residential zoning districts are intended to encourage increased residential densities.
- b. Applicability – Mixed Residential Zoning Districts. The MR1 and MR2 zoning districts are applicable to land designated Mixed Residential in the comprehensive plan.

## 3. Multifamily Zoning Districts.

- a. Purpose. The Multifamily designation supports a mix of low- and moderate-density housing options that provides a variety of options for diverse families and lifestyles. This designation represents a transition to areas that include a greater amount of multifamily housing on larger lots.

The Multifamily 1 (MF1) zoning district provides for a variety of medium-density housing types and designs offering a wide choice of living accommodations for families of diverse composition and lifestyles. The designation incorporates a combination of urban design elements to enhance the living environment while integrating the housing into a neighborhood. ~~Urban design elements such as private and public open space, pedestrian orientation and connections, and security are integrated into the housing to create a high standard of community cohesion and character.~~

The Multifamily 2 (MF2) zoning district provides for high-density housing types and designs, especially of a multiple-story design, that combine urban design elements to enhance the living environment. Urban design elements stress pedestrian orientation and connections, security, transportation, and integration of housing.

The Multifamily 3 (MF3) zoning district is intended to integrate urban, high-density, multi-story housing in close proximity to a principal or minor arterial, with commercial/residential districts. The MF 3 zoning districts are predominantly located adjacent to land zoned NC2, CBD, or SD.

- b. Applicability – Multifamily Zoning Districts. The MF1 zoning district is applicable to lands designated Multifamily in the comprehensive plan.

The MF2 and MF3 zoning districts are applicable to lands designated High Density Multifamily in the comprehensive plan.

#### 4. Neighborhood Business Zoning Districts.

- a. Purpose. The Arterial Residential/Commercial (ARC) zoning district provides for continuance of residential uses, many of which are existing, along busy City streets while permitting the incorporation of low-intensity and low-impact commercial uses into these compact areas.

The Neighborhood Commercial 1 (NC1) zoning district is intended to foster a sense of neighborhood identity and provide limited services within a neighborhood. The district provides for a small-scale mix of activities, including residential, retail, office, and local services, which serve the surrounding neighborhood.

The Neighborhood Commercial 2 (NC2) zoning district is intended to foster a sense of urban community in Lakewood. The district provides for a concentrated mix of activities, including residential, retail, office, and local services, which may serve the surrounding neighborhood or may serve more than one (1) neighborhood and attract people from other areas.

- b. Applicability. The ARC zoning district is applicable to lands designated Arterial Corridor in the comprehensive plan.

The NC1 and NC2 zoning districts are applicable to lands designated Neighborhood Business District in the comprehensive plan.

#### 5. Commercial Zoning Districts.

- a. Purpose. The Transit-Oriented Commercial (TOC) zoning district is an interactive mixture of uses which focus on regional transportation networks while providing for urban design, people orientation, and connectivity between uses and transportation routes.

The Central Business District (CBD) zoning district is the primary retail, office, social, urban residential, and government center of the City. The complementary and interactive mixture of uses and urban design provides for a regional intensity and

viability with a local character. The regional focus and vitality of the district is evident in the urban density, intensity, and composition of the uses in the district. Local character is reflected in the district's design, people orientation, and connectivity between uses, structures, and public spaces, that foster a sense of community.

The Commercial 1 (C1), Commercial 2 (C2), and Commercial 3 (C3) zoning districts promote employment, services, retail, and business uses serving and linking neighborhoods to Lakewood's major transportation networks. The geographic relationship of the corridors to major road networks and their limited integration with adjacent neighborhoods promote employment, services, retail, and business/light industrial uses linked to access the major transportation networks. The C3 zoning district is distinguished by its arterial location and focus on "big-box" type uses which form an anchor for a large-scale commercial development.

- b. Applicability. The TOC zoning district is only applicable to lands designated Corridor Commercial in the comprehensive plan that are also within the Lakewood Station District established in the comprehensive plan.

The CBD zoning district is applicable to lands designated Central Business District in the comprehensive plan.

The C1, C2, and C3 zoning districts are applicable to lands designated Corridor Commercial in the comprehensive plan.

## 6. Industrial Zoning Districts.

- a. Purpose. The Industrial Business Park (IBP) zoning district provides for a coordination of uses and design to facilitate an active integration of employment, services, and business/light industrial uses.

The Industrial 1 (I1) zoning district provides for regional research, light manufacturing, warehousing, concentrated business/employment parks, and other major regional employment uses. These industrial lands are the primary working areas of Lakewood, integrated into the community economically and environmentally while maximizing a regional economic presence based on Lakewood's geographic position.

The Industrial 2 (I2) zoning district provides for high-intensity or high-impact uses and major regional employers.

- b. Applicability. The IBP, I1, and I2 zoning district are applicable to lands designated Industrial in the comprehensive plan.

## 7. Military-Related Zoning Districts.

- a. Purpose. The Military Lands (ML) zoning district formally recognizes the autonomy associated with federal and state ownership of the military installations adjacent to and within Lakewood and the unique character of their operations and support structures, which are not typical of civilian land uses and require special consideration by the City as a host community for the installations.

The purpose of the Clear Zone (CZ), Air Corridor 1 (AC1), and Air Corridor 2 (AC2) zoning districts is to promote land use and development that is compatible with the aircraft noise and accident potential associated with the proximity to McChord Air Force Base (AFB) aircraft flight operations. The potential risk to life and property from hazards associated with military aircraft operations necessitates control of the intensity, type, and design of land uses within the air corridor.

- b. Applicability. The ML zoning district is applicable to lands designated Military Lands in the comprehensive plan.

The CZ, AC1, and AC2 zoning districts are applicable to lands located within the area designated as Air Corridor 1 and Air Corridor 2 in the comprehensive plan and within the area identified as the Clear Zone in the most recent JBLM Air Installation Compatible (AICUZ) study. The AICUZ study is available for review at the Lakewood Community and Economic Development Department or by contacting Joint Base Lewis-McChord (JBLM).

#### 8. Public/Institutional Zoning District.

- a. Purpose. The Public/Institutional (PI) zoning district provides for moderate-scale and large-scale activities relating to the purpose of state and local governmental entities, except for military uses which are separately designated and zoned; special districts; and semi-public institutions providing necessary public services. The designation allows for the specialized needs of providing public services to all areas of Lakewood.
- b. Applicability. The PI zoning district is applicable to lands designated Public and Semi-Public Institutional in the comprehensive plan.

#### 9. Open Space/Recreation Zoning Districts.

- a. Purpose. The Open Space and Recreation 1 (OSR1) and Open Space and Recreation 2 (OSR2) zoning districts provide for open space and public or semi-public recreational activities throughout the City.
- b. Applicability. The OSR1 and OSR2 zoning districts are applicable to lands designated Open Space and Recreation in the comprehensive plan.

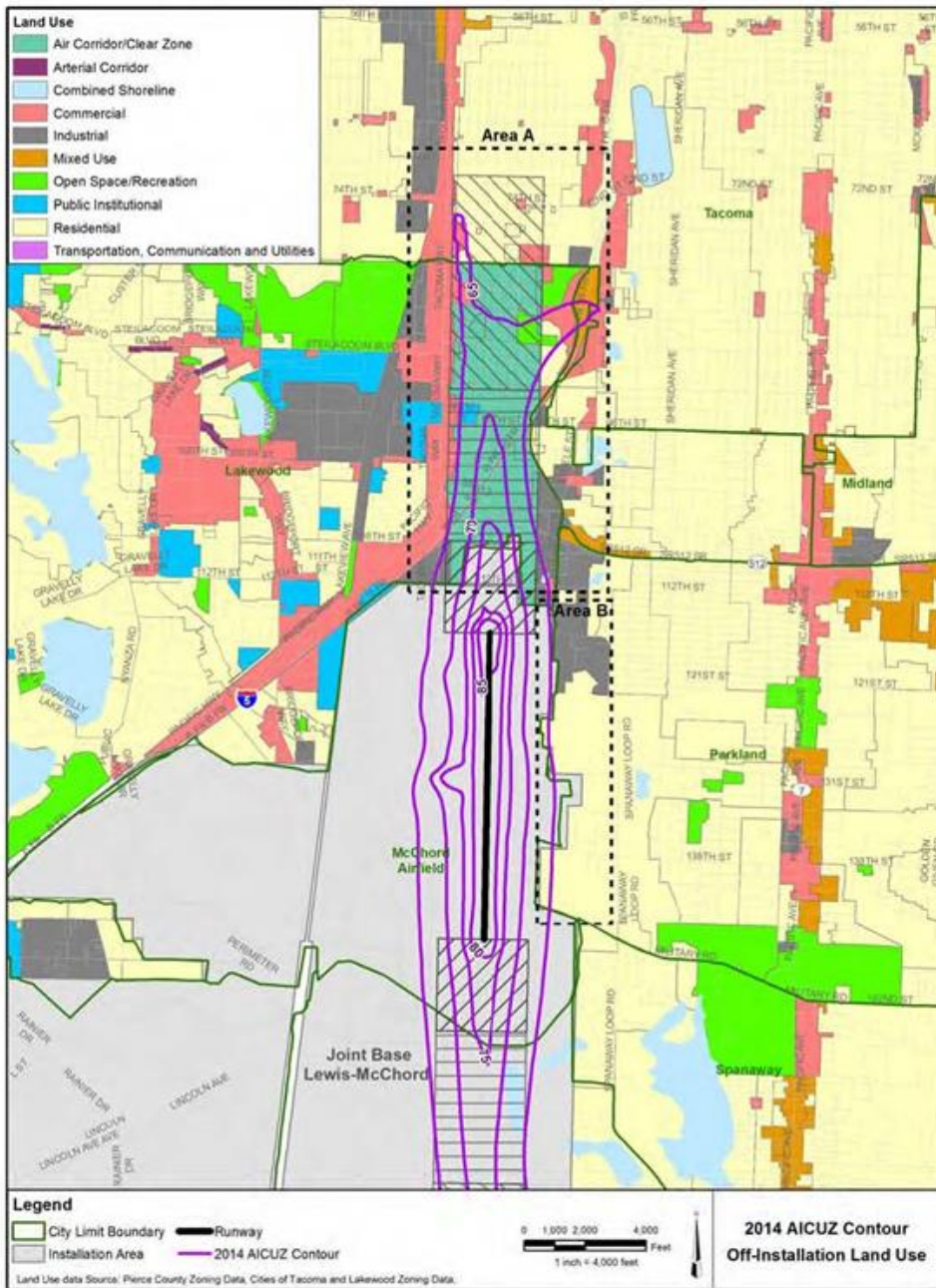
Unless otherwise shown on the official zoning map, all open bodies of water, including, but not limited to, American Lake, Lake Steilacoom, Gravelly Lake, Lake Louise, Waughop Lake, Wards Lake, Seeley Lake, Boyles Lake, Carp Lake, Lost Lake, Mud Lake and Barlow Pond, shall be considered to be within the OSR1 zoning district.

In addition, the OSR1 and OSR2 zoning districts are considered compatible with and may be applied to areas within all other comprehensive plan land use designations. The OSR1 zoning district zoning district may be applied to publicly or privately owned or controlled property used for natural open space and passive recreation. The OSR2 zoning district may be applied to privately and publicly owned active recreational uses and cemeteries. [Ord. 726 § 2 (Exh. B), 2019.]

### **18A.10.125 JBLM Air Installation Compatible Use Zone (AICUZ) in relation to land use zones.**

The City of Lakewood is host city to Joint Base Lewis McChord, and portions of the JBLM flight patterns' ~~clear zone~~ Clear Zone (CZ) and ~~accident potential zones~~ Accident Potential Zones (APZs) are located within the City's boundaries. The City follows Department of Defense guidance and limits land use densities within the CZ and APZs. The AICUZ contour was used as a guide to establish the ~~clear zone~~ Clear Zone (CZ), ~~air corridor~~ Air Corridor 1 (AC1), and ~~air corridor~~ Air Corridor 2 (AC2) zone classifications under the ~~air corridor 1~~ AC1 and ~~air corridor 2~~ AC2 land use designations as described in LMC 18A.10.120(D). ~~The CZ and AC zones do not exactly align with the AICUZ contour in order to achieve a logical geographic boundary.~~ See Figure 3.

Figure 3. 2014 AICUZ Contour and Off-Installation Land Use



Source: 2015 JBLM Air Installation Compatible Use Zone (AICUZ) Study [Ord. 794 § 2 (Exh. A), 2023; Ord. 758 § 2 (Exh. A), 2021.]

**18A.10.130 Establishment of overlay districts.**

- A. An overlay district is a special purpose district that may be combined with any portion of any zone as appropriate to the purpose of the district. The regulations of an overlay district consist of additional sections of this title and additional standards. Some of these regulations are supplementary so that both the regulations of the overlay district and the zone apply, while in other cases the overlay district regulations preempt and override the



regulations of the underlying zone. Where these regulations conflict, the overlay regulations shall control.

B. Each overlay district and the abbreviated designation suffix are listed below.

<b>Overlay District</b>	<b>Abbreviated Designation</b>
Flood Hazard Overlay	FHO
Senior Housing Overlay	SHO
Sexually Oriented Business Overlay	SOBO
<u>Transit</u>	<u>T</u>

The boundaries of overlay districts are shown on the City's official Overlay Districts Map included in Article XX Chapter 18A.50, which is included below as Figure 1 and hereby adopted as part of this title, and are further described as follows:

1. The boundaries of the Flood Hazard Overlay (FHO) district shall be the areas of flood hazards identified by the Federal Insurance Administration in a report entitled: "The Flood Insurance Study for Pierce County, and Incorporated Areas" dated March 7, 2017, and any revisions thereto, with an accompanying Flood Insurance Rate Map (FIRM), and any revisions thereto, are hereby adopted by reference and declared to be a part of this title. (The Flood Insurance Study and the FIRM are on file at the City of Lakewood, 6000 Main Street SW, Lakewood, WA) Lakewood Ordinance No. 659.
2. The boundaries of the Senior Housing Overlay (SHO) district shall be the areas shown as Figure 3.1, Senior Housing Overlay in the Lakewood Ordinance No. 237.
3. The boundaries of the Sexually Oriented Business Overlay (SOBO) district shall be the areas identified and described in Lakewood Ordinance No. 358 "Exhibit A".

X. The boundaries of the Transit (T) overlay shall be areas designated as Residential that are found within one-quarter (1/4) mile of a major transit stop for bus rapid transit (BRT) and commuter rail. These areas allow for increased residential densities beyond what is allowed under Residential designations for locations once service is available.

~~Figure 1. — Overlay Districts~~

[Ord. 726 § 2 (Exh. B), 2019.]

...

### **18A.10.180 Definitions.**

...

“Accessory dwelling unit (ADU)” means a habitable dwelling unit added to, created within, or detached from and on the same lot with a ~~single family dwelling~~ a single-family housing unit, duplex, triplex, townhome, or other housing unit that provides basic requirements for living, sleeping, eating, cooking, and sanitation.

...

“Affordable housing” means residential housing that is rented by a person or household whose monthly housing costs, including utilities other than telephone, do not exceed thirty (30) percent of the household’s monthly income. ~~For the purposes of housing intended for owner occupancy, “affordable housing” means residential housing that is within the means of low or moderate income households.~~ If not otherwise defined, affordable housing means housing that is within the means of:

1. Households in rental units earning sixty (60) percent of area median income or less; or
2. Households in ownership units earning eighty (80) percent of area median income or less.

...

“Emergency amendment” means any proposed change or revision to the Comprehensive Plan due to a situation that requires expeditious action to preserve the health, safety or welfare of the public; and when adherence to the annual amendment process would be further detrimental to public health, safety or welfare. Emergency amendments may be reviewed and acted upon outside the annual amendment review cycle.

“Emergency housing” means temporary indoor accommodations for individuals or families who are homeless or at imminent risk of becoming homeless that is intended to address the basic health, food, clothing, and personal hygiene needs of individuals or families. Emergency housing may or may not require occupants to enter into a lease or an occupancy agreement. ~~RCW 36.70A.030(9).~~ Emergency housing is not a group home under LMC Title 18A, 18B, or 18C.

“Emergency shelter” means a facility that provides a temporary shelter for individuals or families who are currently homeless. Emergency shelter may not require occupants to enter into a lease or an occupancy agreement. Emergency shelter facilities may include day and warming centers that do not provide overnight accommodations. ~~RCW 36.70A.030(10).~~ Emergency shelter facilities are not a group home under LMC Title 18A, 18B, or 18C.

...

“Major transit stop” means: (a) A stop on a high capacity transportation system funded or expanded under the provisions of chapter 81.104 RCW; (b) Commuter rail stops; (c) Stops on rail or fixed guideway systems; or (d) Stops on bus rapid transit routes, including those stops that are under construction.

...

“Permanent residential occupancy” means multifamily housing that provides either rental or owner occupancy for a period of at least one month. This excludes hotels and motels that predominately offer rental accommodation on a daily or weekly basis.

...

“Permanent supportive housing” means subsidized, leased housing with no limit on length of stay that prioritizes people who need comprehensive support services to retain tenancy and utilizes admissions practices designed to use lower barriers to entry than would be typical for other subsidized or unsubsidized rental housing, especially related to rental history, criminal history, and personal behaviors ~~(RCW 36.70A.030(19))~~. ~~Permanent supportive housing does not mean multifamily housing projects with fewer than fifty (50) percent of the units providing permanent supportive housing.~~ Permanent supportive housing is paired with on-site or off-site voluntary services designed to support a person living with a complex and disabling behavioral health or physical health condition who was experiencing homelessness or was at imminent risk of homelessness prior to moving into housing to retain their housing and be a successful tenant in a housing arrangement, improve the resident's health status, and connect the resident of the housing with community-based health care, treatment, or employment services. Permanent supportive housing is subject to all of the rights and responsibilities defined in chapter 59.18 RCW.

...

“Qualified household” means a household which has been assessed to meet the eligibility requirements to rent or purchase a qualified unit.

“Qualified project” is a residential or mixed-use development which includes qualified units and receives a bonus under Chapter 18A.90 LMC.

“Qualified unit” means residential housing ~~for rental occupancy~~ which, ~~as long as the same is occupied by a very low income or extremely low income, as defined herein,~~ requires payment of monthly housing costs, including utilities other than telephone, of no more than thirty (30) percent of ~~the resident's or residents' income(s)~~ household income. If not otherwise specified, these units shall be affordable to households with incomes of:

1. Sixty (60) percent of area median income adjusted for household size for rental housing; or
2. Eighty (80) percent of area median income at the time of sale adjusted for household size for owner-occupied housing.

...

“Religious organization” means the federally protected practice of a recognized religious assembly, school, or institution that owns or controls real property.

...

“Short-term rental” or “short term vacation rental” means a lodging use, that is not a hotel or motel or bed and breakfast, in which a dwelling unit, or portion thereof, that is offered or provided to a guest by a short-term rental operator for a fee for fewer than thirty consecutive nights. Short-term rental does not include any of the following:

- (i) A dwelling unit that is occupied by the owner for at least six months during the calendar year and in which fewer than three rooms are rented at any time;

(ii) A dwelling unit, or portion thereof, that is used by the same person for thirty or more consecutive nights; or

(iii) A dwelling unit, or portion thereof, that is operated by an organization or government entity that is registered as a charitable organization with the secretary of state, state of Washington, or is classified by the federal internal revenue service as a public charity or a private foundation, and provides temporary housing to individuals who are being treated for trauma, injury, or disease, or their family members.

"Short-term rental advertisement" means any method of soliciting use of a dwelling unit for short-term rental purposes.

"Short-term rental platform" or "platform" means a person that provides a means through which an operator may offer a dwelling unit, or portion thereof, for short-term rental use, and from which the person or entity financially benefits. Merely publishing a short-term rental advertisement for accommodations does not make the publisher a short-term rental platform.

...

"STEP housing" means emergency shelter, transitional housing, emergency housing and permanent supportive housing.

...

"Transitional housing" means a project that provides housing and supportive services to homeless persons or families for up to two (2) years and that has as its purpose facilitating the movement of homeless persons and families into independent living (RCW 84.36.043(2)(c)). ~~Transitional housing does not mean multifamily housing projects with~~ This definition does not apply if fewer than fifty (50) percent of the units in a multifamily project are providing transitional housing.

...

## **Chapter 18A.20      ADMINISTRATION**

### Sections:

- 18A.20.005      Definitions.**
- Article I.      Administration**
- 18A.20.010      Applications.**
- 18A.20.015      Preapplication conferences.**
- 18A.20.020      Application fees.**
- 18A.20.030      Complete application form and content.**
- 18A.20.040      Consolidated review of applications.**
- 18A.20.050      Complete permit applications, notice and time periods.**
- 18A.20.060      Effects of project permit application revisions.**
- 18A.20.070      Approval and appeal authorities.**
- 18A.20.080      Review authorities.**
- 18A.20.090      Expiration of approvals.**
- 18A.20.100      Licenses and building permits.**
- 18A.20.105      Violations and enforcement.**
- 18A.20.110      Certificate of occupancy.**
- 18A.20.120      Annexed land.**
- 18A.20.130      Approval of transfer of development rights.**
- Article II.      Nonconforming Uses and Structures**
- 18A.20.200      Purpose.**
- 18A.20.208      Applicability – Nonconformities.**
- 18A.20.210      Preexisting nonconforming lots of record.**
- 18A.20.218      Transfer of ownership – Nonconforming uses.**
- 18A.20.220      Proof of nonconformity.**
- 18A.20.228      Nonconforming uses.**
- 18A.20.230      Nonconforming structures.**
- 18A.20.238      Repairs and maintenance.**
- 18A.20.240      Health or safety improvements.**
- 18A.20.248      Nonconforming parking lots.**
- 18A.20.250      Nonconforming landscaped areas.**
- 18A.20.258      Conditional uses.**
- 18A.20.260      Administrative determinations.**
- 18A.20.268      Review of administrative decisions.**
- Article III.      Public Notice Requirements**
- 18A.20.300      Public notice procedures.**
- 18A.20.310      Public notice framework.**
- 18A.20.320      Repealed.**
- 18A.20.330      Notice of application – Permits.**
- 18A.20.340      Notice of public hearing.**
- 18A.20.350      Optional public notice.**
- 18A.20.360      Joint public hearings.**

- Article IV. Appeals/Reconsiderations**
- 18A.20.400 Specific appeal procedures.**
  - 18A.20.410 Appeals to hearing examiner.**
  - 18A.20.420 Reconsideration of hearing examiner decision.**
  - 18A.20.430 Clarification of hearing examiner decision.**
  - 18A.20.440 No appeals to City Council.**

**18A.20.080 Review authorities.**

The following table describes development permits, the public notice requirements, and the final decision and appeal authorities. See LMC 18A.20.400 et seq. for appeals. When separate applications are consolidated at the applicant's request, the final decision shall be rendered by the highest authority designated for any part of the consolidated application.

<b>KEY:</b>					
Appeal	=	Body to whom appeal may be filed			
Director	=	Community and Economic Development Director			
PC	=	Planning Commission			
HE	=	Hearing Examiner			
CC	=	City Council			
R	=	Recommendation to Higher Review Authority			
D	=	Decision			
O	=	Appeal Hearing (Open Record)			
C	=	Appeal Hearing (Closed Record)			
N	=	No			
Y	=	Yes			
<b>Applications</b>	<b>Public Notice of Application</b>	<b>Director</b>	<b>HE</b>	<b>PC</b>	<b>CC</b>
<b>TYPE II ADMINISTRATIVE</b>					
Binding site plan	Y	D	O/Appeal	N	N
Binding site plan amendment	Y	D	O/Appeal	N	N
Cottage housing	Y	D	O/Appeal	N	N
Environmental review (SEPA) – (SEPA Checklist and Threshold Determination)	Y	D	O/Appeal	N	N
Preliminary and final short plats (2 – 9 lots)	Y	D	O/Appeal	N	N
Shoreline conditional use permit	Y	D	O/Appeal	N	N
Shoreline substantial development permit	Y	D	O/Appeal	N	N
Shoreline variance permit	Y	D	O/Appeal	N	N
Short plat amendment	Y	D	O/Appeal	N	N
Short Term Rental	Y	D	O/Appeal	N	N
Time extension or minor modification to a Type II permit	Y	D	O/Appeal	N	N

...

**18A.20.330 Notice of application – Permits.**

\* \* \*

C. Contents. The notice of application shall include:

1. The case file number(s), the date of application, the date of the determination of completeness for the application and the date of the notice of application.
2. A description of the proposed project action and a list of the project permits included in the application and, if applicable, a list of any studies requested by the review authority pursuant to RCW 36.70B.070.
3. The identification of other required permits that are not included in the application, to the extent known by the City.
4. The identification of existing environmental documents that evaluate the proposed project, and, if not otherwise stated on the document providing notice of application, the location where the application and any studies can be reviewed.
5. A statement of the limits of the public comment period, which shall be not less than fourteen (14) nor more than thirty (30) calendar days following the date of notice of application, and statements of the right of any person to comment on the application, receive notice of and participate in any hearings, request a copy of the decision once made, and any appeal rights. The notice of application shall also specify the first and last date and time by which written public comment may be submitted pursuant to chapter 42.30 RCW.
6. The tentative date, time, place and type of hearing, if any. The tentative hearing date is to be set at the time of the date of notice of the application.
7. The identification of the development regulations that will govern mitigation of any project impacts.
8. The name of the applicant or applicant's representative and the name, address and telephone number of a contact person for the applicant.
9. A description of the site, including current zoning and nearest road intersections, reasonably sufficient to inform the reader of its location.
10. Any other information determined appropriate by the City, such as a determination of significance, if complete at the time of issuance of the notice of application, or the City's statement of intent to issue a determination of nonsignificance (DNS) pursuant to the optional determination of nonsignificance (DNS) process set forth in WAC 197-11-355.



## **Chapter 18A.30      DISCRETIONARY PERMITS**

### Sections:

- 18A.30.005      Definitions.**
- Article I.      Comprehensive Plan Amendment**
  - 18A.30.010      Type of action.**
  - 18A.30.020      Plan amendment procedures – Comprehensive plan.**
  - 18A.30.030      Preliminary review and evaluation criteria – Comprehensive plan. Council approval of final docket – Comprehensive plan.**
  - 18A.30.040      Final review and evaluation – Comprehensive plan.**
  - 18A.30.050      Decision criteria for rezone requests – Comprehensive plan. Consistency between the zoning map and the land use designations map – Comprehensive plan.**
  - 18A.30.060      Planning Commission and City Council review and adoption process.**
  - 18A.30.070      Timing and exemptions.**
  - 18A.30.080      Notice to County Assessor of changes in comprehensive plan and development regulations.**
  - 18A.30.090**
  - 18A.30.100**
- Article II.      Conditional Use Permit**
  - 18A.30.110      Purpose – Conditional use permit.**
  - 18A.30.120      Type of action.**
  - 18A.30.130      Criteria for approval.**
  - 18A.30.140      Conditions of approval.**
  - 18A.30.150      Minor modifications to approved conditional use permits.**
  - 18A.30.160      Time frame for submission of construction permits.**
  - 18A.30.170      SEPA-exempt conditional uses.**
  - 18A.30.180      Compliance – Conditional use permit.**
  - 18A.30.190      Transferability – Conditional use permit.**
  - 18A.30.200      Essential public facilities – Conditional use permit.**
  - 18A.30.210      Special needs housing – Conditional use permit.**
- Article III.      Cottage Housing**
  - 18A.30.220      Purpose – Cottage housing.**
  - 18A.30.230      Applicability.**
  - 18A.30.240      General provisions.**
  - 18A.30.250      Development standards.**
  - 18A.30.260      Open space.**
  - 18A.30.270      Building design standards.**
  - 18A.30.280      Parking.**
  - 18A.30.290      Common area maintenance.**
  - 18A.30.300      Low impact development standards.**
  - 18A.30.310      Modifications.**
- Article IV.      Development Agreement**
  - 18A.30.320      Authority.**
  - 18A.30.330      Process type of action.**

<b>18A.30.340</b>	<b>Content.</b>
<b>18A.30.350</b>	<b>Application.</b>
<b>18A.30.360</b>	<b>Timing of public hearings.</b>
<b>18A.30.370</b>	<b>Notice.</b>
<b>18A.30.380</b>	<b>Staff report.</b>
<b>18A.30.390</b>	<b>Public hearing and City Council action.</b>
<b>18A.30.400</b>	<b>Term of agreement.</b>
<b>Article V.</b>	<b>Land Use Review and Approval</b>
<b>18A.30.410</b>	<b>Purpose – Land use review and approval.</b>
<b>18A.30.420</b>	<b>Process type of action.</b>
<b>18A.30.430</b>	<b>Applicability.</b>
<b>18A.30.440</b>	<b>Delegation of authority.</b>
<b>18A.30.450</b>	<b>Application – Content.</b>
<b>18A.30.460</b>	<b>Application – Review process.</b>
<b>18A.30.470</b>	<b>Site plan review log – Summary of action.</b>
<b>18A.30.480</b>	<b>Notification.</b>
<b>18A.30.490</b>	<b>Reconsideration in response to SEPA comments.</b>
<b>18A.30.500</b>	<b>Amendments.</b>
<b>18A.30.510</b>	<b>Dedication, improvements and performance bond.</b>
<b>18A.30.520</b>	<b>Final approval – Expiration.</b>
<b>Article VI.</b>	<b>Planned Development</b>
<b>18A.30.530</b>	<b>Purpose.</b>
<b>18A.30.540</b>	<b>Application.</b>
<b>18A.30.550</b>	<b>Public hearing.</b>
<b>18A.30.560</b>	<b>Required findings.</b>
<b>18A.30.570</b>	<b>Action of Hearing Examiner.</b>
<b>18A.30.580</b>	<b>Minimum size.</b>
<b>18A.30.590</b>	<b>Permitted modifications.</b>
<b>18A.30.600</b>	<b>Permitted residential density and lot sizes.</b>
<b>18A.30.610</b>	<b>Required open space and recreation facilities.</b>
<b>18A.30.620</b>	<b>Multiple zoning districts.</b>
<b>18A.30.630</b>	<b>Phased development.</b>
<b>18A.30.640</b>	<b>Repealed.</b>
<b>Article VII.</b>	<b>Rezone and Text Amendments</b>
<b>18A.30.670</b>	<b>Authority.</b>
<b>18A.30.680</b>	<b>Site-specific rezone procedures.</b>
<b>18A.30.690</b>	<b>Collection of rezone applications.</b>
<b>18A.30.695</b>	<b>Quasi-judicial rezone procedures.</b>
<b>18A.30.695.10</b>	<b>Purpose.</b>
<b>18A.30.695.20</b>	<b>Applicability.</b>
<b>18A.30.695.30</b>	<b>Application requirements.</b>
<b>18A.30.695.40</b>	<b>Public notice.</b>
<b>18A.30.695.50</b>	<b>Review.</b>
<b>18A.30.695.60</b>	<b>Burden of proof.</b>

- 18A.30.695.70 Examiner’s authority.**
- 18A.30.695.80 Appeals.**
- 18A.30.695.90 Compliance with conditions.**

**Article VIII. Temporary Use Permits**

- 18A.30.700 Purpose.**
- 18A.30.710 Permitted uses.**
- 18A.30.720 Exemptions.**
- 18A.30.730 Application and authorization.**
- 18A.30.740 Standards.**
- 18A.30.750 Criteria for granting approval.**
- 18A.30.760 Decision.**

**Article IX. (Reserved)**

**Article X. Variance**

- 18A.30.840 Purpose.**
- 18A.30.850 Process type of action.**
- 18A.30.860 Limitations.**
- 18A.30.870 Authority.**
- 18A.30.880 Required findings.**
- 18A.30.890 Additional conditions of approval.**

**Article XI. Unusual Uses**

- 18A.30.900 Purpose.**
- 18A.30.960 Process type of action.**

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**Article I. Comprehensive Plan Amendment**

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**18A.30.020 Plan amendment procedures – Comprehensive plan.**

X. Individual and agency initiated proposals to amend the Lakewood Comprehensive Plan shall be submitted to the Department on forms provided by the City.

X. Proposals may be submitted at any time; however, to be considered in the same calendar year, they must be submitted by the deadline set by the City Council, unless otherwise specifically authorized by the City Council.

X. All proposals shall be considered collectively once each year except in the case of an emergency as determined by the City Council (see LMC 18A.30.090, Timing and exemptions).

X. The comprehensive plan amendment calendar shall be approved by the City Council. No fee shall be charged at this proposal stage.

X. The Department shall maintain a log or docket of all such proposals including a summary of the proposal, the principal proponent's name and address, the date on which the proposal was submitted, and its review status. [Ord. 726 § 2 (Exh. B), 2019.]

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### **18A.30.090 Timing and exemptions.**

- A. The City will consider proposed amendments to the comprehensive plan only once each year, except when amendments are adopted as part of:
1. The adoption of a subarea plan;
  2. The adoption or amendment of a shoreline master program under the procedures set forth in Chapter 173-26 WAC;
  3. The response to an existing emergency, as specified in LMC 18A.30.XXX;
  4. Amendments necessitated by changes in state or federal laws;
  5. The resolution of an appeal filed with the Growth Management Hearings Board or with a court; ~~or~~
  6. The amendment of a capital facilities element that occurs concurrently with the adoption or amendment of the City budget; or
  7. An update to the Transit Overlay under Article XX Chapter 18A.50.XXX consistent with changes in transit service.
- B. The Department will accept proposals for comprehensive plan amendments and revisions at any time; however, proposals or applications received after their established due dates will be considered in the next annual amendment review cycle. [Ord. 726 § 2 (Exh. B), 2019.]

### **18A.30.XXX Emergency amendments.**

- A. Emergency amendments to the Comprehensive Plan are those required in situations where regulatory action is needed to provide for the immediate protection of public health, safety, and welfare; and when adherence to the annual amendment process would be further detrimental to public health, safety or welfare.

B. The process to amend the Comprehensive Plan will be initiated by the City Council upon adoption of a resolution specifying the nature of the emergency.

C. Emergency amendments will be assessed by City staff at the direction of Council and reviewed by the Planning Commission at a public hearing consistent with the requirements of LMC 18A.30.030. A subsequent recommendation from the Planning Commission on the proposed emergency amendment will be forwarded to the City Council.

D. The City Council will evaluate the proposed emergency amendments based on recommendations of the Planning Commission. The Council may take action on the proposed emergency amendment after a public hearing.

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## **Article III. Cottage Housing**

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### **18A.30.250 Development standards.**

Cottage housing development shall be subject to the following development standards:

#### A. Density.

1. In the R1 and R2 zoning districts, cottage housing development shall be allowed a density not to exceed ~~three (3)~~ 1.5 times the base density allowed in the underlying zone.
- ~~2. In R3 and R4 zoning districts, cottage housing developments shall be allowed a density not to exceed two (2) times the base density allowed in the underlying zone.~~
3. On a site to be used for a cottage housing development, existing detached single-family residential structures, which may be nonconforming with respect to the standards of this section, may be permitted to remain at the discretion of the Community Development Director, but the extent of the nonconformity shall not be increased. The number of any such nonconforming dwelling unit(s) shall be multiplied by the factors noted in subsections (A)(1) or (A)(2) of this section, and included in calculating the density of the cottage housing development.
4. An applicant for a cottage housing development shall be required to show, through a conceptual site plan, the number of traditional units that could be constructed on the site under conventional development standards and addressing any environmental constraints affecting the property. This number of units shall be used to calculate the maximum number of cottage units that may be constructed on the property.

B. Locational Criteria.

1. The minimum area for a cottage housing project is three-fourths (0.75) acre, which may include more than one contiguous lot.
2. Cottage housing development shall be separated from another cottage housing development by a minimum of four hundred (400) feet measured between the closest points of the subject properties.

C. Site Design.

1. Cottage housing development shall be clustered and shall consist of a minimum of four (4) dwelling units and a maximum of twelve (12) dwelling units.
2. At least seventy-five (75) percent of dwelling units shall abut the common open space.
3. Common open spaces shall have dwelling units abutting at least two (2) sides.
4. Creation of individual lots shall only be permitted through the residential binding site plan process provided in LMC Title 17 Subdivisions, Chapter 17.34 LMC and Chapter 64.34 RCW.
5. Siting of dwelling units or common open space in areas with slopes exceeding fifteen (15) percent is discouraged. Dwelling units shall not be placed in such areas if extensive use of retaining walls is necessary to create building pads or open space areas.
6. Fencing and Screening. The intent of internal decorative fencing and screening is to delineate private yards, screen parking areas and structures, community assets, refuse and recycling areas, and unit walls. A cottage housing development is intended to be an internally open community sharing common areas. The intent of external fencing and screening is to conceal the higher density development from adjacent lower density land uses. Chain link and solid fences shall not be allowed internally. Solid fencing is allowed on the perimeter boundary, except where bordering an external street where streetscape landscaping is required.

D. Setbacks and Building Separation.

1. Dwelling units shall have at least a twenty (20) foot front setback, eight (8) foot side yard setback and a ten (10) foot rear setback.
2. Dwelling units shall be separated from one another by a minimum of ten (10) feet, not including projections.
3. Dwelling units shall maintain a ten (10) foot separation between buildings.
4. Dwelling units not abutting or oriented toward a right-of-way shall have a front yard oriented towards the common open space.
5. The approval authority may use appropriate discretion, consistent with the intent of this chapter, in determining orientation of yards.

- E. Minimum Lot Size. Beyond the density restrictions listed in this chapter, there is no required minimum lot size for lots created through the subdivision process.
- F. Lot Coverage (All Impervious Surfaces). Impervious surfaces shall not exceed fifty (50) percent. Lot coverage shall be calculated for the overall cottage housing development, not for individual lots. Paved components of common open space areas and walkways shall not be counted in lot coverage calculations.
- G. Refuse and Recycling. Refuse and recycling containers shall be screened from view by landscaping or architectural screening, and shall not be located in the front yard setback area, or in locations where smells may be offensive to adjacent properties.
- H. Pedestrian Network. Within the confines of the cottage housing development a network of pedestrian pathways shall be provided. Connections to the wider neighborhood shall be made where appropriate and allowed. All such pathways shall be accessible by the general public, except that walkways into and through the cottage housing development may be limited to residents and their guests. [Ord. 726 § 2 (Exh. B), 2019.]

#### **18A.30.260 Open space.**

- A. A minimum of five hundred (500) square feet of common open space shall be provided per dwelling unit.
- B. Common open space shall be a minimum of three thousand (3,000) square feet in size, regardless of number of dwelling units.
- C. No dimension of a common open space area used to satisfy the minimum square footage requirement shall be less than ten (10) feet, unless part of a pathway or trail.
- D. In subdivisions and short subdivisions, common open space shall be located in a separate tract or tracts.
- E. Required common open space shall be divided into no more than two (2) separate areas per cluster of dwelling units.
- F. Common open space shall be improved for passive or active recreational use. Examples may include but are not limited to courtyards, orchards, landscaped picnic areas or gardens. Common open space shall include amenities such as but not limited to seating, landscaping, trails, gazebos, barbecue facilities, covered shelters or water features.
- G. Surface water management facilities may be commonly held, but shall not counted toward meeting the common open space requirement.
- H. Parking areas, required setbacks, private open space, and driveways do not qualify as common open space area.
- I. Landscaping located in common open space areas shall be designed to allow for easy access and use of the space by all residents, and to facilitate maintenance needs. Where feasible, existing mature trees should be retained. [Ord. 726 § 2 (Exh. B), 2019.]



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### **18A.30.280 Parking.**

- A. A minimum of two (2) parking spaces per cottage shall be provided for the entire development. An additional fifteen (15) percent of total required spaces shall be designated for guests. If the lot is within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail or bus rapid transit, no parking is required if adequate provision of on-street parking facilities is available as determined by the Director.
- B. All or a portion of new on-street parking provided as a component of the development may be counted towards minimum parking requirements if the approval authority finds that such parking configuration will result in adequate parking, and is compatible with the character and context of the surrounding area.
- C. Carports are prohibited in cottage housing development.
- D. Shared Detached Garages and Surface Parking Design. Parking areas should be located so their visual presence is minimized and associated noise or other impacts do not intrude into public spaces. These areas should also maintain the single-family character along public streets.
  - 1. Shared detached garage structures may not exceed four (4) garage doors per building, and a total of one thousand (1,000) square feet.
  - 2. For shared detached garages, the design of the structure must be similar and compatible to that of the dwelling units within the development.
  - 3. Shared detached garage structures and surface parking areas must be screened from public streets and adjacent residential uses by landscaping consistent with LMC 18A.60.160, or architectural screening.
  - 4. Shared detached garage structures shall be reserved for the parking of vehicles owned by the residents of the development. Storage of items which preclude the use of the parking spaces for vehicles is prohibited.
  - 5. Surface parking areas may not be located in clusters of more than four (4) spaces. Clusters must be separated by a distance of at least twenty (20) feet.
  - 6. The design of garages must include roof lines similar and compatible to that of the dwelling units within the development.
  - 7. Parking lots shall be set back at least twenty (20) feet from front property lines and ten (10) feet from external side and rear property lines.
  - 8. Garage doors shall not be oriented toward a public right-of-way with the exception of an alley.

9. Garages shall not be located between the common open space and the dwelling units.  
[Ord. 726 § 2 (Exh. B), 2019.]

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## **Article IV. Development Agreement**

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## **Article V. Land Use Review and Approval**

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## **Article VI. Planned Development**

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## **Article VII. Rezone and Text Amendments**

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## **Article VIII. Temporary Use Permits**

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## **18A.30.740 Standards.**

- A. Each site occupied by a temporary use shall be left free of debris, litter or other evidence of temporary use upon completion or removal of the use.
- B. A temporary use conducted in a parking facility shall not occupy or remove from availability more than twenty (20) percent of the spaces required for the permanent use.
- C. Each site occupied by a temporary use must provide or have available sufficient off-street parking and vehicular maneuvering area for customers. Such parking must provide safe and efficient interior circulation and ingress and egress from the public right-of-way.
- D. No temporary use shall occupy or use public rights-of-way, parks or other public lands in any manner unless specifically approved by the City Council.
- E. No temporary use shall occupy a site or operate within the City for more than forty-five days (45) days within any calendar year, except as follows:
  - 1. When authorized by the Director, a temporary use may operate an additional forty-five (45) days if it is found that such an extension will be consistent with the requirements of LMC 18A.30.700, Purpose, LMC 18A.30.710, Permitted uses, and this section.
  - 2. A temporary use may be provided an additional extension if unique circumstances exist that necessitate a longer use such as construction office or security housing for an active construction site and such an extension will be consistent with the requirements of LMC 18A.30.700, Purpose, LMC 18A.30.710, Permitted uses, and this section.
  - 3. Hosting the homeless by a religious organization is permitted for a total of six months during a year, with a three-month separation required between continuous hosting terms of a maximum of four months at any one time.
- F. All signs shall comply with the requirements of Chapter 18A.100 LMC, Signs, except as otherwise specified in this section.
- G. All temporary uses shall obtain all required City permits, licenses or other approvals, prior to occupancy of the site.
- H. The Director may establish such additional conditions as may be deemed necessary to ensure land use compatibility and to minimize potential impacts on nearby uses. These include, but are not limited to, time and frequency of operation, setbacks, special yards, and spaces; control of points of vehicular ingress and egress, temporary arrangements for parking, loading and traffic circulation, requirements for screening or enclosure, site maintenance during use, and guarantees for site restoration and cleanup following temporary use.
- I. Subsequent temporary use permits may be denied to an applicant, event or organization based on failure to comply with the terms of an approved temporary use permit or applicable regulations. [Ord. 726 § 2 (Exh. B), 2019.]

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**Article IX. (Reserved)**

**Article X. Variance**

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**Article XI. Unusual Uses**

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## Chapter 18A.40 LAND USES AND INTERPRETATION TABLES

Sections:

18A.40.005	Definitions.
18A.40.010	Purpose.
18A.40.020	Interpretation of land use tables.
18A.40.025	Restrictions on dangerous and objectional elements.
18A.40.030	Agriculture.
18A.40.040	Commercial and industrial uses.
18A.40.050	Eating and drinking establishments.
18A.40.060	Essential public facilities.
18A.40.070	Government services, general.
18A.40.080	Health and social services.
18A.40.090	Lodging.
18A.40.100	Open space.
18A.40.110	Residential uses.
18A.40.120	Special needs housing.
18A.40.130	Air corridor and clear zone.
18A.40.140	Transportation.
18A.40.150	Utilities.
18A.40.160	Marijuana prohibited.

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### 18A.40.010 Purpose.

The purpose of this chapter is to establish permitted land uses for the City of Lakewood. The use of a property is defined by the activity for which the building or lot is intended, designed, arranged, occupied, or maintained. The use is considered permanently established when that use will be or has been in continuous operation for a period exceeding sixty (60) days, except that in no case shall a transitory accommodation, which may be allowed to operate continuously for a period of up to ~~ninety (90)~~ one hundred twenty (120) days. A use which will operate for sixty (60) days or less, and hosting the homeless by religious organizations, are considered temporary uses and are subject to the requirements of Chapter 18A.30 LMC, Article VIII. All applicable requirements of this code, or other applicable state or federal requirements, shall govern a use located within the Lakewood City limits. [Ord. 756 § 2, 2021; Ord. 726 § 2 (Exh. B), 2019.]

### 18A.40.020 Interpretation of land use tables.

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F. If a parenthetical designation ~~number "(B)(-)"~~ appears in the box describing the use, or in the box at the intersection of a column and a row, the use is subject to specific

development and/or operational requirements which may be in addition to or in place of general requirements of this and other applicable titles. Such use-specific requirements typically follow the table and correspond to the number in the table, although some such requirements, such as those for specialized senior housing, are set forth in separate chapters.

- G. Any proposed use not listed in the land use table(s) shall be classified by the Director as permitted, conditional, or not permitted, based on the listed use to which the proposed use is most similar. Where there is a question regarding the inclusion or exclusion of a particular proposed use within a particular zoning district, use category, or use type, the Director shall have the authority to make the final determination. If the Director determines that the proposed use is not similar to any use in the land use table(s), the proposed use shall not be permitted.

~~The determination of the Director shall be appealable to the Hearing Examiner as set forth in Chapter 18A.20 LMC, Part IV.~~

~~The Director shall report interpretation decisions to the Planning Commission when it appears desirable and necessary to amend this title.~~

X. The determination of the Director shall be appealable to the Hearing Examiner as set forth in Chapter 18A.20 LMC, Part IV.

X. The Director shall report interpretation decisions to the Planning Commission when it appears desirable and necessary to amend this title.

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X. Summary Land Use Table. This table provides a summary of the land use tables included in this chapter, excluding open space. In cases where there are differences between this table and other land use tables in this chapter, the other table will take precedence. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts.

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (I)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
<b>Agriculture Uses</b>																								
Commercial beekeeping (2)	P	P	P	P	P	P	P	P	P	P	C	C	C	C	C	C	C	-	C	C	C	C	P	P
Growing and harvesting of crops (3)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	P	P	P	P	-	P
Plant nurseries and greenhouses (3)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	P	P	P	P	P	P
Raising and keeping of animals for agricultural purposes (4)	P	P	P	P	P	-	-	-	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential beekeeping (2)	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Commercial and Industrial</b>																								
Accessory commercial (4)	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	P	P	-	-	-	-	-
Accessory industrial (5)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	P	P	-	-	-
Accessory retail or services	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	-	-	-	-	P	-	-
Artisan shop	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	-	-	-	-	-	-	-
Auto and vehicle sales/rental (6)	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	P	P	-	-	-	-	-	-	-
Auto parts sales	-	-	-	-	-	-	-	-	-	P	-	P	P	P	P	P	P	-	-	-	-	-	-	-
Bank, financial services	-	-	-	-	-	-	-	-	-	-	-	C	P	P	P	-	P	-	-	-	-	-	-	-
Brewery, production (7)	-	-	-	-	-	-	-	-	-	P	-	-	C	C	C	P	C	-	P	-	-	-	-	-
Building and landscape materials sales	-	-	-	-	-	-	-	-	C	-	-	P	P	-	P	P	P	-	-	-	-	-	-	-
Building contractor, light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	P	P	-	-	-
Building contractor, heavy	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	-	-	-	C	C	C	-	-	-
Business support service	-	-	-	-	-	-	-	-	-	P	-	P	P	P	P	P	P	-	P	-	-	-	-	-
Catering service	-	-	-	-	-	-	-	-	-	P	C	P	P	P	P	C	P	-	-	-	-	-	-	-
Cemetery, mausoleum, columbarium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-
Club, lodge, private meeting hall	-	-	C	-	-	-	-	-	C	C	C	P	P	P	P	-	C	-	-	-	-	-	-	-



**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Commercial recreation facility, indoor	-	-	-	-	-	-	-	-	-	-	-	-	P	P	P	-	-	-	C	C	-	C		
Commercial recreation facility, outdoor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-		
Community center	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	-	P	-	-	-	-	C		
Construction/heavy equipment sales and rental	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	P	C	-		
Convenience store	-	-	-	-	-	-	-	-	-	P	-	P	P	C	C	C	P	-	-	-	-	-		
Equipment rental	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	P	-	-	P	-	-		
Flex space (8)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	P	P	-	P	P	-	-		
Fuel dealer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	P	-	-		
Furniture/fixtures manufacturing, cabinet shop	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	C	P	P	-		
Furniture, furnishings, appliance/equipment store	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	-	P	-	-	-	-	-		
Gas station	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	-	-	-	-	-		
General retail	-	-	-	-	-	-	-	-	-	P	-	P	P	P	P	-	P	-	P	-	-	-		
Golf course, country club	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Grocery store, large	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	P	-	-	-	-	-		
Grocery store, small	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	P	-	-	-	-	-		
Handcraft industries, small-scale manufacturing	-	-	-	-	-	-	-	-	-	-	-	C	P	P	P	P	C	-	P	P	-	-		
Health/fitness facility, commercial	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P	-	-	P	C	-	-	-		
Health/fitness facility, quasi-public	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	-	-	-	P		
Kennel, animal boarding (9)	-	-	-	-	-	-	-	-	-	-	-	-	C	C	C	P	C	-	C	P	-	-		
Laboratory, medical/analytical	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	-	-	P	P	-	P		
Laundry, dry cleaning plant	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	C	C	-	-		
Library, museum	-	-	-	-	-	-	-	-	-	-	-	P	P	C	P	-	C	-	-	-	-	-		
Live/work and work/live units	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	C	C	-	C	C	-	-		
Maintenance service, client site services	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P	P	P	-		

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (I)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2	
Manufacturing, assembling and packaging, light	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	P	P	-			
Manufacturing, assembling and packaging, medium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	C	P	P	P	-			
Manufacturing, assembling and packaging, heavy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	C	-			
Metal products fabrication, machine and welding shops, American Direct	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	P	P	-			
Medical services, lab														P	P	P	P		P				P		
Mixed use	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	-	-	-	-	-	-	-			
Mobile home, RV, and boat sales	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-	-			
Mortuary, funeral homes and parlors		-	-	-	-	-	-	-	-	P	-	-	P	-	P	-	P	-	-	-	-	-			
Motion picture production studios	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		P	P	-	-		
Office, business services	-	-	-	-	-	-	-	-	-	P	P	P	P	C	P	P	P	-	P	-	-	-			
Office, processing	-	-	-	-	-	-	-	-	-	-	-	-	C	-	C	-	-	-	P	-	-	-			
Office, professional	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	C	P	-	P	-	-	-			
Outdoor storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	P	P	-			
Pawnbrokers and secondhand dealers	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	-			
Personal services	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	P	-	-	-	-	-			
Personal services, restricted	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	-	-	-			
Petroleum product storage and distribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		P	P	P	-		
Places of assembly	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	P		
Printing and publishing	-	-	-	-	-	-	-	-	-	-	-	C	P	P	P	P	P	-	P	P	-	-			
Produce stand	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-	-			
Recycling facility – processing facility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	C	C	-	<b>AC1 Zone C</b>		
Recycling facility – scrap and dismantling yards	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-			
Repair service, equipment, large appliances	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	C	-	C	P	P	-			

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Research and development	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-
Secondhand store	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-	-	-	-
Shelter, animal (9, 10)	-	-	-	-	-	-	-	-	-	-	-	P	P	-	C	P	C	-	-	P	-	C	-	-
Shopping center	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	C	P	-	-	-	-	-	-	-
Social service organization	-	-	-	-	-	-	-	-	-	-	-	-	C	-	C	-	C	-	-	-	-	-	-	-
Solid waste transfer station	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	C	P	P	-	-	-
Small craft distillery (7)	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	-	P	-	-	-	-	-
Sports and active recreation facility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-	-	-	-	C	-
Storage, personal storage facility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	C	P	-	-	-	-
Studio, art, dance, martial arts, music, etc.	-	-	-	-	-	-	-	-	-	-	-	P	P	C	P	-	P	-	-	-	-	-	-	-
Swap meet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Theater, auditorium	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	-	-	-	-	-	-	-	-
Truck/trailer parking	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	C	-	-	-
Veterinary clinic (9)	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P	P	P	-	-	P	-	C	-	-
Vehicle services, major repair/body work	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	P	C	-	C	P	P	-	-	-
Vehicle services, minor maintenance/repair	-	-	-	-	-	-	-	-	-	-	-	C	P	P	P	P	P	-	P	P	P	-	-	-
Vehicle storage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	P	P	P	-	-	-
Warehouse	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	P	P	-	-	-	-
Warehouse retail	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	C	-	-	P	-	-	-	-	-
Wholesaling and distribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	P	P	-	-	-	-
Wildlife preserve or sanctuary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	-	-
Wine production facility (7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-
<b>Eating and drinking establishments land uses</b>																								
Bar/tavern (11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	P	P	P	-	-	-	-	-	-
Brewery, brew pub	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-	-	-

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Mobile food vending facility (12)	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	P	P	P	P		
Night club	-	-	-	-	-	-	-	-	-	-	-	-	C	C	C	-	C	C	-	-	-	-		
Restaurant, café, coffee shop, counter ordering	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	C	P	P	-	-	-	-		
Restaurant, café, coffee shop, drive-through services (13)	-	-	-	-	-	-	-	-	-	-	-	C	C	C	C	C	C	C	-	-	-	-		
Restaurant, café, coffee shop, table service	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-		
Restaurant, café, coffee shop, outdoor dining (14)	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-		
Restaurant, café, coffee shop, serving alcohol	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-		
Tasting room	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-		
Vendor stand (15)	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P	P	P	P	-	-	-	-		
<b>Essential Public Facilities (16)</b>																								
Airport (Seaplane) (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-
Community and technical colleges, colleges and universities (17)	-	-	-	-	-	-	-	-	-	-	-	-	C	-	C	-	-	-	C	-	-	C	-	-
Correctional facilities (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-
Electrical transmission lines of higher voltage than 115 kV, in existing corridors of such transmission lines	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Electrical transmission lines of higher voltage than 115 kV, in new corridors	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Group home																								
In-patient facility including but not limited to substance abuse facility (17)	-	-	-	-	-	-	-	-	-	-	-	-	C	-	C	-	-	C	-	-	-	C	-	-
Intercity high-speed ground transportation (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	P	-	-	-	C
Intercity passenger rail service (17)	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-	-	P	-	-	-	C
Interstate Highway 5 (I-5) (17)	-	-	P	-	-	-	P	-	-	-	-	-	P	P	-	P	P	-	-	-	-	-	P	P

See LMC [18A.40.120](#), Special needs housing

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Mental health facility (17, 18)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-
Military installation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimum security institution (17)	-	-	-	C	C	C	C	C	C	C	C	C	C	C	C	-	-	-	-	-	-	C	-	-
<u>Organic materials (OM) management facilities (17)</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>C</u>	<u>C</u>	<u>-</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>-</u>	<u>-</u>	<u>-</u>
Secure community transition facility (SCTFs) (17, 19)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	-	-	-	-	-
Solid waste transfer station (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	C	C	C	-	-	-
Sound Transit facility (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	P	-	-	-	C
Sound Transit railroad right-of-way (17)	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P	P	-	-	P	-	-	-	P
Transit bus, train, or other high capacity vehicle bases (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-
Washington State Highway 512 (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	-	-	-	-
Work/training release facility (17)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	-	-	-	-	-
<b>Government Services, General</b>																								
City, county, special district, state, and federal offices	-	-	-	-	-	-	-	-	-	-	-	-	-	C	P	P	P	P	C	C	-	P		
Fire stations	P	P	P	P	C	C	C	C	C	C	-	P	P	P	P	P	P	P	C			P		
Maintenance shops and vehicle and equipment parking and storage areas for general government services (20)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	C	-	C	P	P	P	P		
Police stations, including temporary holding cells (21)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	-	-	P		
Post offices	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	P		
<b>Health and Social Services (22)</b>																								
Day care center in existing and new schools (23)	-	-	-	-	-	-	-	-	P	P	C	P	P	P	P	P	P	C	-	-	-	P	-	-
Day care center in existing or new churches (23)	P	P	P	P	-	-	-	-	P	P	C	P	P	P	P	P	P	C	-	-	-	-	-	-
Day care center providing care for children and/or adult relatives of	-	-	-	-	P	P	P	P	P	P	C	P	C	P	P	P	P	C	-	-	-	-	-	-

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
owners or renters of dwelling units located on the same site (23, 24)																								
Day care center providing care for children and/or adult relatives of employees of a separate business establishment located on the same site (23, 24)	-	-	-	-	-	-	-	-	-	-	C	P	P	C	C	P	P	C	P	-	-	C	-	-
Day care center, independent (23)	-	-	-	-	-	-	-	-	P	P	-	P	P	P	P	P	P	C	-	-	-	C	-	-
Human service agency offices	-	-	-	-	-	-	-	-	-	-	C	P	P	P	P	-	P	P	P	-	-	-	-	-
Medical service, urgent care clinic	-	-	-	-	-	-	-	-	-	-	-	-	P	C	P	-	P	P	-	-	-	-	-	-
Medical service, doctor office	-	-	-	-	-	-	-	-	-	-	C	P	P	-	P	-	P	P	-	-	-	-	-	-
Medical service, hospital	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	C	-	-
Medical service, integrated medical health center	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	-	C	-	-	-	C	-	-
Medical service, lab	-	-	-	-	-	-	-	-	-	-	-	-	P	-	P	-	C	C	P	-	-	C	-	-
Pharmacy	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	-	P	P	-	-	-	-	-	-
Preschool/nursery school	P	P	P	P	-	-	P	P	P	P	C	P	P	P	P	P	P	C	C	-	-	C	-	-
<b>Lodging</b>																								
Bed and breakfast guest houses (25)	C	C	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hostels	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-	-	-	-	-	-
Hotels and motels	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	C	P	P	-	-	-	-	-	-
Short term vacation rentals (26)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-
<b>Residential Land Uses</b>																								
Accessory caretaker's unit	-	-	-	-	-	-	-	-	-	-														
Accessory dwelling unit (ADU) (27)	P	P	P	P	P	P	P	P	-	-														
Babysitting care	P	P	P	P	P	P	P	P	P	P														
Boarding house (28)	C	C	C	C	C	-	-	-	-	-														
Cottage housing (29)	P	P	P	P	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	P	P	-		
Foster care facility	P	P	P	P	P	P	P	P	P	P	-	-	-	P	-	-	-	-	-	-	-	-		
Co-housing (dormitories, fraternities and sororities) (30)	-	-	-	-	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-		

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Detached single-family (31)	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Two-family residential, attached or detached dwelling units	<del>P</del> P	<del>P</del> P	<del>P</del> P	<del>C</del> P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Three-family residential, attached or detached dwelling units	<del>P</del> P	<del>P</del> P	<del>P</del> P	<del>P</del> P	<del>C</del> P	<del>C</del> P	P	-	-	-	P	P	P	P	P	-	-	-	-	-	-	-	-	-
<u>Four-family residential, attached or detached dwelling units</u>	P	P	P	P	P	P	P	P	P	P	-	P	P	-	-	-	-	-	-	-	-	-	-	-
<u>Five- and six-family residential, attached or detached dwelling units</u>	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-
Multifamily, <del>four</del> seven or more residential units	-	-	-	-	-	-	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-
Mixed use	-	-	-	-	-	-	-	-	-	-	P	P	P	-	-	-	-	-	-	-	-	-	-	-
Family daycare (32)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Home agriculture	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Home occupation (33)	P	P	P	P	P	-	-	-	-	-	P	P	P	P	P	-	-	-	-	-	-	-	-	-
Mobile home parks (34)	-	-	C	C	C	-	-	-	-	-	-	P	P	P	P	-	-	-	-	-	-	-	-	-
Residential accessory building (35)	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-
Rooms for the use of domestic employees of the owner, lessee, or occupant of the primary dwelling	P	P	-	-	-	-	-	-	-	-	P	-	-	-	-	-	-	-	-	-	-	-	-	-
Small craft distillery (32, 36)	-	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Specialized senior housing (37)	-	-	-	-	C	C	C	C	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Accessory residential uses (38)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-
<b>Special Needs Housing (39)</b>																								
Assisted Living Facility	-	-	-	-	C	C	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-
Confidential Shelter (40)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	P	-	-
Continuing Care Retirement Community	-	-	-	-	C	C	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-
Emergency Housing	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	-	-	-	-	-	-
Emergency Shelter	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	-	-	-	-	-	-
Enhanced Services Facility	-	-	-	-	-	-	-	-	-	-	C	C	C	C	C	-	C	-	-	-	-	-	-	-



**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (1)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Hospice Care Center	C	C	C	C	C	C	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nursing Home	-	-	-	-	C	C	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-
Permanent Supportive Housing	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	C	-	-
Rapid Re-Housing	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	C	-	-
Transitional Housing	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	C	-	-
Type 1 Group Home, adult family home (41)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	C	-	-
Type 2 Group Home	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	C	-	-
Type 3 Group Home	-	-	-	-	C	C	C	C	C	C	C	C	C	C	C	-	-	-	-	-	-	C	-	-
Type 4 Group Home	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C (42)	C (42)	-	-	-	-	-	-	-
Type 5 Group Home	-	-	-	-	-	-	-	-	-	-	-	-	C (42)	-	-	-	C (42)	-	-	-	-	-	-	-
<b>Transportation</b>																								
Parking facilities (surface or structured) (43)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Streets and pedestrian and bicycle facilities	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Transit park and ride lots	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-		P	-	-
Transit shelter	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-
<b>Utilities</b>																								
Electrical distribution lines, pipes, and support poles, transformers, and related facilities, not including substations (44)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Electrical distribution substations (45)	C	C	C	C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Electrical transmission lines of 115 kV or less and support poles (46)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Electric vehicle battery charging stations (47)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C

**Zoning Classifications**

	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	MF3 (I)	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI	OSR 1	OSR 2
Natural gas or fuels related conveyance facilities; includes gas compressor stations	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Potable water conveyance facilities (48)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Potable water storage facilities	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Storm water collection and conveyance facilities; includes levees and culverts	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Storm water detention/retention facilities	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Telecommunications earth receiving stations (satellite dishes) (48)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Telecommunications lines, pipes, support poles and related facilities, not including earth receiving stations, personal wireless service, transmission/receiving/relay facilities, or switching facilities (44)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Telecommunications switching facilities	C	C	C	C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Telecommunications transmission/receiving/relay facilities (45)	C	C	C	C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Water purification and filtration activities	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Wastewater conveyance facilities; includes pumping and/or lift stations (48)	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C
Water supply wells and pumping stations	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	C

P: Permitted Use C: Conditional Use “-” Not allowed

- (1) See LMC 18A.40.040(B)(1). Within that portion of the MF3 zoning district located within the Lakewood Station District as designated in the comprehensive plan, and solely in conjunction with multifamily use, four (4) or more units, the following standards shall be required:
  - (a) The commercial use is only permitted on the ground floor of the development.
  - (b) A minimum ratio of four (4) square feet of multifamily use to one (1) square foot of commercial use.
- (2) No person shall keep, have, maintain or protect upon his or her premises, or any premises or lot within the City, any apiary or colony, hive, cluster, or swarm of stinging insects other than bees pursuant to the following provisions included in LMC 18A.40.030(B)(1).
- (3) Activities associated with the growing and harvesting of crops and the operation of plant nurseries and greenhouses shall be controlled so as not to result in adverse impacts on nearby properties. Refer to the provisions included in LMC 18A.40.030(B)(2).
- (4) Commercial accessory uses are secondary permitted residential uses and must adhere to the provisions of LMC 18A.40.040(B)(5).
- (5) Industrial accessory uses are secondary permitted residential uses and must adhere to the provisions of LMC 18A.40.040(B)(6).
- (6) Establishments or places of business engaged in the sales or leasing of motor vehicles, utility trailers, recreational and/or sporting vehicles, commercial vehicles, construction equipment, and heavy equipment subject to compliance with all applicable federal, state, and/or local licensing requirements. Service of vehicles may be permitted as an incidental, and clearly secondary, accessory use. Proposed motor vehicle sales and rental land use types are subject to the requirements of LMC 18A.40.040(B)(8).
- (7) Breweries, small craft distilleries, and wineries may contain retail outlets. See LMC 18A.40.040(B)(2).
- (8) Mixed-use industrial buildings or parks adaptable to multiple use types which primarily serve a number of small- to medium-size tenants, which predominantly require direct access for truck deliveries and have limited or controlled on-site customer service, and which are generally comprised of adaptable open floor space with a delineated office area. May include space within a single or multiple structures. The specific uses permitted in flex space buildings are limited to those uses allowed in the applicable zone classification. See LMC 18A.40.040(B)(7).
- (9) The portion of the building or structure in which animals are treated, trained, or kept shall be soundproofed. Kennels, catteries, animal obedience schools, animal shelters, and veterinary clinics shall be operated in accordance with LMC Title 6, Animals, and LMC 18A.40.030, Agricultural uses. See LMC 18A.40.040(B)(3).

- (10) Animal shelters owned, maintained or operated by a public body, an established humane society, animal welfare society, society for the prevention of cruelty to animals, or other nonprofit organization whose primary mission is the protection and welfare of animals may sell goods and products that enhance the health and comfort of the animals adopted. See LMC 18A.40.040(B)(4).
- (11) Bars and taverns may include brewing equipment. See LMC 18A40.050(B)(1).
- (12) Vendor carts and trucks shall be subject to the conditions of LMC 18A40.050(B)(2).
- (13) These standards are intended to allow for drive-through facilities while reducing the negative impacts they may create. See LMC 18A40.050(B)(3) for the specific requirements. Note that drive-through facilities are not a right; conditions such as size, configuration, or location of the site or existing structures may make it inappropriate to establish a drive-through on a specific property. If that is the case, a drive-through facility may be denied even if it is otherwise allowed in the zoning district.
- (14) Outdoor seating, tables, umbrellas and other appurtenances of outdoor dining may be placed on public sidewalks, provided a minimum sidewalk width of five (5) feet measured to the street side of the sidewalk shall be kept clear for pedestrians. See LMC 18A40.050(B)(4).
- (15) Vendor stands shall be considered permanent structures and shall meet all requirements for such structures. Vendor spaces placed within an existing building shall meet all International Building Code requirements and shall not exceed one thousand (1,000) square feet in total area, including product preparation and seating areas. Vendors shall comply with all applicable state and county health regulations. Evidence of compliance must be conspicuously posted on the vendor stand or space. Vendors are subject to the design standards listed in LMC 18A.70.050(K). See LMC 18A40.050(B)(5).
- (16) RCW 36.70A.200 requires cities to include in their comprehensive plans a process for identifying and siting essential public facilities (EPFs). EPFs are described in the Growth Management Act (GMA) as those facilities which are typically difficult to site, but are needed to support orderly growth and delivery of services. The GMA states that no local comprehensive plan or development regulation may preclude the siting of essential public facilities. See LMC 18A40.060(B)(1).
- (17) Except for special needs housing, existing electrical transmission lines of higher voltage than 115 kV, and military installations, essential public facilities shall require a conditional use permit. In addition to the regular conditional use permit review criteria, the provisions of LMC 18A40.060(B)(2) shall apply.
- (18) See provisions in LMC 18A40.060(B)(4) to (11) for additional facility provisions.
- (19) See provisions in LMC 18A40.060(B)(3) for additional listing criteria for secure community transition facilities.

- (20) Development and operating conditions for maintenance shops and parking/storage areas are subject to LMC 18A.40.070(1).
- (21) Temporary holding cells may include overnight stays. See LMC 18A.40.070(B)(2).
- (22) Family day care and other health and social services which are residential in nature are regulated under LMC 18A.40.110, Residential uses. Adult family homes are regulated under LMC 18A.40.120, Special needs housing. See LMC 18A40.080(B)(1).
- (23) Includes adult and child day care, subject to all state licensing requirements. See LMC 18A40.080(B)(2).
- (24) Day care centers providing care for children and/or adult relatives of owners or renters of dwelling units located on the same site, and day care centers providing care for children and/or adult relatives of employees of a separate business establishment located on the same site, shall be given allowances as per LMC 18A40.080(B)(3) to encourage development of such uses.
- (25) See LMC 18.40.090(B)(1) for additional development and operating conditions for bed and breakfast guest houses.
- (26) See LMC 18.40.090(B)(2) for additional development and operating conditions for short-term vacation rentals.
- (27) Accessory dwelling units (ADUs) are permitted when added to, created within, or detached from a principal dwelling unit subject to the restrictions in LMC 18A.40.110(B)(1).
- (28) See LMC 18.40.110(B)(2) for additional development and operating conditions for boarding houses.
- (29) Cottage housing is permitted subject to Chapter 18A.30 LMC, Article III.
- (30) Dormitories, fraternities and sororities shall be permitted as accessory uses to public or private educational institutions or churches. See LMC 18.40.110(B)(4).
- (31) Detached primary dwelling units, or single-family dwelling units, include site-built homes, manufactured homes and modular homes, and are subject to the requirements of LMC 18.40.110(B)(5).
- (32) Family day care is a permitted use, subject to obtaining a state license in accordance with Chapter 74.15 RCW and the requirements of LMC 18.40.110(B)(6).
- (33) Home occupations are permitted subject to LMC 18.40.110(B)(7).
- (34) Mobile and/or manufactured homes are allowed only in mobile/manufactured home parks developed in accordance with LMC 18.40.110(C).
- (35) Residential accessory buildings are subject to LMC 18.40.110(B)(9).

- (36) Small craft distilleries may contract distilled spirits for, and sell distilled spirits to, holders of distillery licenses, manufacturer's licenses and grower's licenses. See LMC 18.40.110(B)(12).
- (37) See special needs housing under LMC 18.40.120.
- (38) Residential accessory uses are secondary, subordinate permitted uses subject to the requirements of LMC 18.40.110(B)(11).
- (39) Special needs housing is subject to the requirements of LMC 18.40.120(C)(2).
- (40) Special accommodations for the residents of domestic violence shelters are provided in LMC 18.40.120(C)(3).
- (41) Adult family homes are permitted, subject to obtaining a state license in accordance with Chapter 70.128 RCW, Chapter 220, Laws of 2020 and LMC 18.40.120(C)(1).
- (42) Only permitted outside Downtown and/or Lakewood Station subareas.
- (43) In the residential zoning districts, parking facilities are permitted only as accessory uses to a principal use as per LMC 18.40.140(B)(1).
- (44) Electrical and telecommunications service lines on individual properties shall be placed underground in conjunction with new development or any construction activity which increases floor area, or, in the case of a remodel which does not increase floor area, has a valuation amounting to more than fifty (50) percent of the assessed value of the structure being remodeled, according to the records of the Pierce County Assessor. See LMC 18.40.150(B)(1).
- (45) Facilities associated with utilities are subject to the design requirements included in LMC 18.40.150(B)(2).
- (46) Support poles for transmission lines shall be designed so as to minimize adverse aesthetic impacts. Electrical transmission lines over 115 kV are classified as essential public facilities, and are regulated under LMC 18A.40.060. See LMC 18.40.150(B)(3).
- (47) Electric vehicle charging stations are permitted as an accessory use to any permitted primary use and shall count towards the required number of parking spaces for said primary use. See LMC 18.40.150(B)(7).
- (48) Aboveground water conveyance facilities and wastewater conveyance facilities shall require a conditional use permit. See LMC 18.40.150(B)(5).
- (49) Telecommunications earth receiving stations (satellite dish antennas) over two (2) feet in diameter shall be screened from view from neighboring properties by location, berms, fences, walls, landscaping, or a combination of these techniques; provided, however, that no screening shall be required which would prevent reception of satellite signals. See LMC 18.40.150(B)(4).

## 18A.40.060 Essential public facilities.

A. Essential Public Facilities Land Use Table. See LMC 18A.40.060(B) for development and operating conditions. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts.

Essential Public Facilities	Zoning Classifications																					OSR 1	OSR 2
	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI		
Airport (Seaplane) (B)(1)*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-
Community and technical colleges, colleges and universities (B)(1), (B)(2)	-	-	-	-	-	-	-	-	-	-	-	C	-	C	-	-	-	C	-	-	C	-	-
Correctional facilities (B)(1),(B)(2)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-	-	-
Electrical transmission lines of higher voltage than 115 kV, in existing corridors of such transmission lines	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Electrical transmission lines of higher voltage than 115 kV, in new corridors (B)(1), (B)(2)	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Group home	See LMC <a href="#">18A.40.120</a> , Special needs housing																						
In-patient facility including but not limited to substance abuse facility (B)(1), (B)(2)	-	-	-	-	-	-	-	-	-	-	-	C	-	C	-	-	C	-	-	-	C	-	-
Intercity high-speed ground transportation (B)(1)	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	P	-	-	-	C
Intercity passenger rail service (B)(1)	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-	-	P	-	-	-	C
Interstate Highway 5 (I-5) (B)(1)	-	-	P	-	-	-	P	-	-	-	-	P	P	-	P	P	-	-	-	-	-	P	P
Mental health facility (B)(1), (B)(2), (B)(4) through (B)(11)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	-	-
Military installation (B)(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimum security institution (B)(1), (B)(2)	-	-	-	C	C	C	C	C	C	C	C	C	C	C	-	-	-	-	-	-	C	-	-
<u>Organic materials (OM) management facilities</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>	<u>C</u>
Secure community transition facility (SCTFs) (B)(1), (B)(2), (B)(3)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	-	-	-	-	-



**Zoning Classifications**

<b>Essential Public Facilities</b>	<b>R1</b>	<b>R2</b>	<b>R3</b>	<b>R4</b>	<b>MR1</b>	<b>MR2</b>	<b>MF1</b>	<b>MF2</b>	<b>MF3</b>	<b>ARC</b>	<b>NC1</b>	<b>NC2</b>	<b>TOC</b>	<b>CBD</b>	<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>IBP</b>	<b>I1</b>	<b>I2</b>	<b>PI</b>	<b>OSR 1</b>	<b>OSR 2</b>
Solid waste transfer station <a href="#">(B)(1)</a> , <a href="#">(B)(2)</a>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	C	C	C	-	-	-
Sound Transit facility <a href="#">(B)(1)</a>	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	-	-	-	P	-	-	-	C
Sound Transit railroad right-of-way <a href="#">(B)(1)</a>	-	-	-	-	-	-	-	-	-	-	-	P	P	-	P	P	-	-	P	-	-	-	P
Transit bus, train, or other high capacity vehicle bases <a href="#">(B)(1)</a>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-
Washington State Highway 512 <a href="#">(B)(1)</a>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	P	-	-	P	-	-	-	-
Work/training release facility <a href="#">(B)(1)</a> , <a href="#">(B)(2)</a>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	C	C	-	-	-	-	-	-	-

P: Permitted Use C: Conditional Use “-”: Not allowed

\* Numbers in parentheses reference use-specific development and operating conditions under subsection B of this section.

Applications for all uses must comply with all of subsection B of this section’s relevant general requirements.

## B. Development and Operating Conditions.

1. RCW 36.70A.200 requires cities to include in their comprehensive plans a process for identifying and siting essential public facilities (EPFs). EPFs are described in the Growth Management Act (GMA) as those facilities which are typically difficult to site, but are needed to support orderly growth and delivery of services. The GMA states that no local comprehensive plan or development regulation may preclude the siting of essential public facilities.
2. Except for special needs housing, existing electrical transmission lines of higher voltage than 115 kV, and military installations, essential public facilities shall require a conditional use permit. In addition to the regular conditional use permit review criteria, the following shall apply:
  - a. Documentation of Need. Project sponsors must demonstrate the need for their proposed EPFs. Included in the analysis of need should be the projected service population, an inventory of existing and planned comparable facilities and projected demand for this type of essential public facility.
  - b. Consistency with Sponsor's Plans. The proposed project should be consistent with the sponsor's own long-range plans for facilities and operations.
  - c. Consistency with Other Plans. The proposal must demonstrate the relationship of the project to local, regional and state plans. The proposal should be consistent with the comprehensive plan and other adopted plans of the prospective host community. In evaluating this consistency, consideration shall be given to urban growth area designations and critical area designations, population and employment holding capacities and targets, and the land use, capital facilities and utilities elements of these adopted plans.
  - d. Relationship of Service Area to Population. With the exception of linear transmission facilities, the facility's service area population should include a significant share of the host community's population, and the proposed site should be able to reasonably serve its overall service area population.
  - e. Minimum Site Requirements. Sponsors shall submit documentation showing the minimum siting requirements for the proposed facility. Site requirements may be determined by the following factors: minimum size of the facility, access, support facilities, topography, geology, and mitigation needs. The sponsor shall also identify future expansion needs of the facility.
  - f. Alternative Site Selection. The project sponsor shall search for and investigate two (2) alternative sites before submitting a proposal for siting review. The proposal shall indicate whether any alternative sites have been identified that meet the minimum site requirements of the facility. The sponsor's site selection methodology will also be reviewed. Where a proposal involves expansion of an existing facility, the documentation shall indicate why relocation of the facility to another site would be infeasible.

- g. Distribution of Essential Public Facilities. In considering a proposal, the City shall examine the overall distribution of essential public facilities within greater Pierce County to avoid placing an undue burden on any one community, especially overburdened communities as defined under RCW 70A.02.010(11).
- h. Public Participation. Sponsors shall encourage local public participation in the development of the proposal, including mitigation measures. Sponsors shall conduct local outreach efforts with early notification to prospective neighbors to inform them about the project and to engage local residents in site planning and mitigation design prior to the initiation of formal hearings. The sponsor's efforts in this regard shall be evaluated.
- i. Consistency with Local Land Use Regulations. The proposed facility shall conform to local land use and zoning regulations that are consistent with the applicable county-wide planning policies. Compliance with other applicable local regulations shall also be required.
- j. Compatibility with Surrounding Land Uses. The sponsor's documentation shall demonstrate that the site, as developed for the proposed project, will be compatible with surrounding land uses.
- k. Proposed Impact Mitigation. The proposal must include adequate and appropriate mitigation measures for the impacted area(s) and community(ies), including consideration of overburdened communities. Mitigation measures may include, but are not limited to, natural features that will be preserved or created to serve as buffers, other site design elements used in the development plan, and/or operational or other programmatic measures contained in the proposal. The proposed measures shall be adequate to substantially reduce or compensate for anticipated adverse impacts on the local environment.

### 3. Additional Siting Criteria for SCTFs.

- a. In no case shall a secure community transition facility (SCTF) be sited adjacent to, immediately across a street or parking lot from, or within the line-of-sight of risk potential activities or facilities in existence at the time a site is listed for consideration. Line-of-sight has been estimated to be six hundred (600) feet from a risk potential activity or facility, which distance has been determined to be the maximum distance at which it is possible to reasonably visually distinguish and recognize individuals. Through the conditional use process, line-of-sight may be considered to be less than six hundred (600) feet if the applicant can demonstrate that visual barriers exist or can be created which would reduce the line-of-sight to less than six hundred (600) feet.
- b. The site or building shall meet all of the security requirements of RCW 71.09.285.
- c. No SCTF may be located within six hundred (600) feet of any residentially zoned property.

4. Additional Siting Criteria for Mental Health Facilities – Purpose. The purpose of the public facilities master plan process is to encourage essential public facilities civic uses on large parcels of land to be developed holistically, with internally compatible uses and physical development and with accommodations made for natural site and environmental conditions, assuring that:
  - a. Appropriate provisions are made for water, sanitary sewer, drainage ways, utilities, roadways, emergency services, and any other applicable infrastructure or services;
  - b. Critical areas will be protected;
  - c. Usable open space will be provided;
  - d. Appropriate provisions are made for motorized and nonmotorized transportation circulation, including sidewalks and other planning features that assure safe walking conditions for students who walk to and from school;
  - e. Approval criteria and mitigation measures are established which include general design elements and linkage components; and
  - f. The safety of the general public as well as workers at and visitors to the facility is ensured.

5. Applicability.

A public facilities master plan is required for all essential public facilities civic uses which utilize contiguous parcels of land totaling twenty (20) acres or more and which are zoned Public/Institutional.

Exemption from a Public Facilities Master Plan. A public facilities master plan is not required for installation of portable classrooms as approved by the Director subject to Process Type I administrative action; permitted uses in the PI zoning district; renovations, remodeling and general maintenance, provided there is no expansion in occupiable space greater than one thousand (1,000) square feet of the structure proposed for renovation/remodeling; roof repairs; infrastructure improvements to existing systems (e.g., interior streets; sidewalks; lighting; security equipment; landscaping; and storm water, sewer, water, and power utilities); emergency repairs; and installation of fire/life safety equipment).

6. Uses. Uses not included in an approved public facilities master plan, except those listed in subsection (B)(5) of this section, shall not subsequently be allowed upon the site except by review and approval of an amended public facilities master plan following the same process as establishment of an initial public facilities master plan.

When a new essential public facility civic use is proposed which requires a public facilities master plan or amendment to an existing plan and it is located on the same property or site of an already established essential public facility civic use, the City shall require the project proponent to prepare a compatibility study which, at minimum, contains the following information on a form prescribed by the City:

- a. The purpose of the proposed essential public facility civic use;
  - b. An operational characteristics description of the proposed essential public facility civic use and an operational characteristics description of the existing use or uses;
  - c. An evaluation of the potential effects of the proposed essential public facility civic use upon the existing use or uses;
  - d. An evaluation of the potential effects of the proposed essential public facility civic use upon the adjacent properties;
  - e. An evaluation of the potential effects of the proposed essential public facility civic use upon overburdened communities or at-risk or special needs populations, including but not limited to children and the physically or mentally disabled; and
  - f. Identification of any applicable mitigation measures designed to address any potential effects identified through the evaluation required herein.
7. Previous Permits. A previously adopted public facilities permit issued under Pierce County predating City incorporation, or a previously adopted administrative use or other permit issued pursuant to LMC Title 18 or 18A after City incorporation, may constitute an adopted public facilities master plan for the purposes of fulfilling the requirements herein. Any subsequent amendment(s) sought to an existing public facilities permit shall follow the process for a public facilities master plan.
  8. Process. A public facilities master plan shall be reviewed as a Process Type III permit under LMC 18A.20.080.
  9. Termination and Expiration of Approval. If a condition of approval is violated, or if any provision of this code is violated, the Director may, in his sole discretion, initiate a revocation of the public facilities master plan which shall require a public hearing before and decision by the Hearing Examiner. Nothing in this section shall limit or affect the revocation of building permits, issuance of stop orders or other similar proceedings authorized by this code.

Recognizing that the nature of essential public facilities often requires approval of significant capital appropriations and that the appropriations process may be unpredictable, a public facilities master plan typically would not expire unless and until the slate of projects to be completed thereunder has been substantially completed, and new projects that are not included in the scope of the public facilities master plan are proposed. In such case, the proponent shall undertake an update which shall follow the same process as an initial public facilities master plan.

10. Discontinuance of Public/Institutional and/or Essential Public Facilities Civic Use. When a public/institutional and/or an essential public facilities civic use has been discontinued for a period of six (6) or more months, the use of land and/or structure(s) shall be considered discontinued. In the event of discontinuance, the public/institutional and/or essential public facilities civic use shall be demolished in accordance with the provisions of the International Building Code.

11. Adaptive Reuse. In the event that a public/institutional and/or an essential public facilities civic use is proposed for adaptive reuse, where buildings/structures are repurposed for viable new uses and modern functions, other than those originally intended, to address present-day needs, a public facilities master plan is required. Adaptive reuse does not constitute an exemption from a public facilities master plan as is outlined in subsection (B)(5) of this section. [Ord. 789 § 2 (Exh. A), 2023; Ord. 738 § 2 (Exh. A), 2020; Ord. 726 § 2 (Exh. B), 2019.]

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**18A.40.090 Lodging.**

A. *Lodging Land Use Table.* See LMC [18A.10.120\(D\)](#) for the purpose and applicability of zoning districts.

Lodging	Zoning Classifications																						
	R 1	R 2	R 3	R 4	M R 1	M R 2	M F 1	M F 2	M F 3	A R C	N C 1	N C 2	T O C	C B D	C 1	C 2	C 3	I B P	I 1	I 2	P I	O S R 1	O S R 2
Bed and breakfast guest houses <a href="#">(B)(1)*</a>	C	C	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hostels	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	-	-	-	-	-	-	-	-
Hotels and motels	-	-	-	-	-	-	-	-	-	-	-	-	-	P	P	C	P	P	-	-	-	-	-
Short term vacation rentals <a href="#">(B)(2)</a>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-

P: Permitted Use C: Conditional Use “-”: Not permitted

\* Numbers in parentheses reference use-specific development and operating conditions under subsection [\(B\)](#) of this section.

B. *Development and Operating Conditions.*

1. Bed and Breakfast Guest Houses

- a. Bed and breakfast guest houses may be converted from existing residences or newly constructed residences, but shall not contain more than four (4) bedrooms for guests.
- b. Parking for bed and breakfast guest houses shall be limited to that which can be accommodated in the guest house’s garage and driveway. No such garage or driveway shall be wider than that necessary to park three (3) vehicles abreast. No on-street parking shall be allowed.
- c. The establishment shall be operated in such a manner as to give no outward appearance nor manifest any characteristics of a business that would be incompatible with the ability of the neighboring residents to enjoy peaceful occupancy of their properties.
- d. The owner shall operate the establishment and reside on the premises.

e. Meal service shall be limited to serving overnight guests of the establishment. Kitchens shall not be allowed in individual guest rooms.

f. Signs for bed and breakfast uses in the R zones are limited to one (1) identification sign use, not exceeding four (4) square feet and not exceeding forty-two (42) inches in height.

## 2. Short Term Rentals (STRs)

a. An STR property owner is required to obtain a City business license.

b. As a condition of the business license, the STR property owner shall provide a notification letter describing the STR operations, in addition to the means by which to contact the property owner.

c. The STR shall be inspected by the City and Fire District to ensure the facility meets all applicable building and fire code requirements. Any deficiencies shall be corrected prior to the structure being made available for rental.

d. These regulations apply to all STRs proposed or located within a legally established dwelling unit, accessory apartment, or portion thereof.

e. Application procedure.

1. An STR permit application shall be a Type II procedure and processed consistent with LMC 18A.20.080.

2. An STR permit issued to one person or entity shall not be transferable to any other person or entity; nor shall an STR permit be valid at any address other than the one appearing on the permit.

3. An STR permit is considered valid until one or all the following criteria exist:

Ownership changes; or

A valid business license associated with the permit no longer exists.

f. Complete application. A complete STR permit application shall include the following:

1. Completed STR permit application.

2. A verified statement by the applicant that the property affected by the application is in the exclusive ownership of the applicant, or that the applicant has submitted the application with the consent of all owners of the affected property.

3. Written description of the proposed STR operation and affirmation that the proposed operation will meet the general requirements of LMC 18A.40.090 (B)(2).

4. Written description of the proposed location for the STR operation.

5. Number of off-street parking spaces provided at the location, or that are proposed to be dedicated for use by guests of the STR.



6. A completed Good Neighbor Policy form.

7. The STR permit fee as established by the City of Lakewood City Council.

g. Criteria for approval.

1. The proposed operation is found to be consistent with the definition for STR.

2. The application is found to be in compliance with all general regulations required by this chapter.

h. Annual business license renewal. Each annual renewal application of the owner's business license shall include a signed and notarized affidavit in a form approved by the director and the city attorney confirming that the general regulations of LMC 18A.40.090 (B)(2) have been met.

i. General regulations.

1. The STR permittee must maintain a valid STR permit and City of Lakewood business license.

2. The approved STR permit number and City of Lakewood business license shall be posted on every listing advertising or offering the STR, including listings on STR platforms.

3. A STR permittee is allowed only one (1) STR permit in the City of Lakewood.

4. STR permittee, or their designee, shall always be available and able to respond in person, or by telephone, within one hour to complaints, guest concerns, and inquiries.

5. Contact information for the STR permittee, or their designee, shall be clearly posted in a visible location within the main living space of the STR.

6. A good neighbor policy, in a form provided by the City, shall be posted in a visible location within the main living space of the STR. It shall be the responsibility of the applicant to ensure that their guests comply with the policy.

7. All off-street parking required for the primary use of the site shall be made available to guests.

8. On or off premise signs advertising the STR shall not be permitted.

9. STR guests are not permitted to host banquets, parties, or other gatherings for direct or indirect compensation. STR guests are permitted to hold non-commercial gatherings which do not infringe upon the right of the neighboring residents to enjoy a peaceful occupancy of their homes.

10. The STR shall be conducted in such a manner as to give no outward appearance nor manifest any characteristics of a business, in the ordinary meaning of the term, that would infringe upon the right of the neighboring residents to enjoy a peaceful occupancy of their homes.

11. Maximum occupancy shall be regulated consistent with LMC Title 15.

12. The STR shall maintain all applicable performance standards for the zoning district or shoreline environment designation and as otherwise required by local,

state and federal law.

13. The STR shall meet all local, state, and federal requirements regarding licenses and taxes.

14. Enforcement of this chapter shall be conducted consistent with the enforcement of land-use codes chapter of LMC Titles 18A, 18B, and 18C, the enforcement chapter of LMC Title 15, the purpose and policy chapter of LMC Title 5 and all other adopted and applicable enforcement chapters of LMC Titles.

## 18A.40.110 Residential uses.

A. Residential Land Use Table. See LMC 18A.40.110(B) for development and operating conditions. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts.

Residential Land Uses	Zoning Classifications																				
	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3	ARC	NC1	NC2	TOC	CBD	C1	C2	C3	IBP	I1	I2	PI
Accessory caretaker's unit	-	-	-	-	-	-	-	-	-	-	P	P	P	P	P	P	P	-	P	P	-
Accessory dwelling unit (ADU) (B)(1)*	P	P	P	P	P	P	P	P	-	-	-	-	P	-	-	-	-	-	-	-	-
Babysitting care	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-
Boarding house (B)(2)	C	C	C	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cottage housing (B)(3)	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Foster care facility	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-
Co-housing (dormitories, fraternities and sororities) (B)(4)	-	-	-	-	P	P	P	P	P	-	P	P	-	-	-	-	-	-	-	-	-
Detached single-family (B)(5)	P	P	P	P	P	P	-	-	-	P	-	-	-	-	-	-	-	-	-	-	-
Two-family residential, attached or detached dwelling units	<del>P</del>	<del>P</del>	<del>P</del>	<del>C</del>	P	P	P	-	-	P	P	P	-	-	-	-	-	-	-	-	-
Three-family residential, attached or detached dwelling units	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>C</del>	<del>C</del>	P	-	-	P	P	P	-	-	-	-	-	-	-	-	-
Four-family residential, attached or detached dwelling units	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>
Five- and six-family residential, attached or detached dwelling units	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>	<del>P</del>
Multifamily, <del>four</del> seven or more residential units	-	-	-	-	-	-	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-
Mixed use	-	-	-	-	-	-	-	-	-	-	P	P	P	P	-	-	-	-	-	-	-
Family daycare (B)(6)	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-
Home agriculture	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-
Home occupation (B)(7)	P	P	P	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mobile home parks (B)(8)	-	-	C	C	C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

**Zoning Classifications**

**Residential Land Uses**

	<b>R1</b>	<b>R2</b>	<b>R3</b>	<b>R4</b>	<b>MR1</b>	<b>MR2</b>	<b>MF1</b>	<b>MF2</b>	<b>MF3</b>	<b>ARC</b>	<b>NC1</b>	<b>NC2</b>	<b>TOC</b>	<b>CBD</b>	<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>IBP</b>	<b>I1</b>	<b>I2</b>	<b>PI</b>	
Residential accessory building <a href="#">(B)(9)</a>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-
Rooms for the use of domestic employees of the owner, lessee, or occupant of the primary dwelling	P	P	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Small craft distillery <a href="#">(B)(6)</a> , <a href="#">(B)(12)</a>	-	P	P	P	P	-	-	-	-	-	-	P	P	P	P	P	P	-	P	-	-	-
Specialized senior housing <a href="#">(B)(10)</a>	-	-	-	-	C	C	C	C	C	-	-	P	C	C	-	-	-	-	-	-	-	-
Accessory residential uses <a href="#">(B)(11)</a>	P	P	P	P	P	P	P	P	P	P	P	P	P	P	-	-	-	-	-	-	-	-

P: Permitted Use C: Conditional Use “-”: Not allowed

\* Numbers in parentheses reference use-specific development and operating conditions under subsection B of this section.

Applications for all uses must comply with all of subsection B of this section’s relevant general requirements.

B. Operating and Development Conditions.

1. Accessory dwelling units (ADUs) are permitted when added to, created within, or detached from a principal dwelling unit subject to the following restrictions:

a. ~~One (1)~~ Up to two (2) ADUs shall be allowed as ~~an~~ accessory use in conjunction with any detached single-family structure, duplex, triplex, townhome, or other housing unit. ADUs shall not be included in the density calculations. A lot shall contain no more than ~~one two (12)~~ ADUs.

~~x. Lots designated with critical areas or their buffers shall be allowed up to one (1) ADU as an accessory use in conjunction with any detached single-family structure, duplex, triplex, townhome, or other housing unit.~~

b. An ADU may be established by creating the unit within or in addition to the new or existing principal dwelling, or as a detached unit from the principal dwelling.

c. The ADU, as well as the main dwelling unit, must meet all applicable setbacks, lot coverage, and building height requirements.

d. The size of an ADU contained within or attached to an existing single-family structure shall be limited by the existing structure's applicable zoning requirements. The gross floor area requirement for both attached and detached ADUs shall be at least 1,000 square feet and no more than 1,200 square feet, excluding the garage. An attached ADU incorporated into a single-family house shall be limited to one thousand (1,000) square feet, excluding garage area. The size of a living space of a detached ADU shall be a maximum of one thousand (1,000) square feet excluding garage.

~~e. An ADU shall be designed to maintain the appearance of the principal dwelling as a single family residence.~~

f. Wherever practicable, a principal dwelling shall have one (1) entrance on the front, with additional entrances permitted on the side and rear. On corner lots, it is permissible to locate the entry door to the accessory dwelling unit on a street side of the structure other than the street side with the entry door for the principal dwelling unit. The entrance to an attached accessory dwelling unit may be on the front of the house only if (i) it is located in such a manner as to be clearly secondary to the main entrance to the principal dwelling unit; or (ii) it is screened from the street.

g. The design of an attached ADU, including the facade, roof pitch and siding, shall be complementary to the principal dwelling unit, ~~so as not to be obvious from the outside appearance that it is a separate unit from the principal dwelling unit.~~

h. A minimum of one (1) off-street parking space shall be required for the ADU, in addition to the off-street parking required for the principal dwelling, pursuant to LMC 18A.80.030(F). Such parking shall consist of a driveway, carport, garage, or a combination thereof, located on the lot they are intended to serve.

- i. For lots located within one-quarter (1/4) mile of a Pierce Transit bus route; or one-half (1/2) mile of the Sound Transit Lakewood Station, commuter rail or bus rapid transit stop, or other major transit stop providing fixed route service at intervals of at least fifteen minutes for at least five hours during weekday peak hours, and also zoned R1, R2, R3, R4, MR1, MR2, MF1, MF2, or TOC, off-street parking for an ADU may shall not be required provided there is adequate street capacity as determined by the Director, and there is curb, gutter, and sidewalk, constructed to City standards, adjoining the lot where an ADU is proposed. Parking may be required. Adequate street capacity is present if the ADU is in an area with a lack of access to street parking capacity, no physical space impediments, or and no other reasons to support indicate that on-street parking is infeasible for the ADU.
- j. Any legally constructed accessory building existing prior to the effective date of the ordinance codified in this title may be converted to an accessory dwelling unit; ~~provided the living area created within the structure does not exceed one thousand (1,000) square feet, excluding garage area.~~
- ~~k. Where the residential accessory building is detached from an existing single family structure, the building height shall be limited to twenty four (24) feet.~~
- l. If a structure containing an ADU was created without a building permit that was finalized, the City shall require a building inspection to determine if the structure is sound, will not pose a hazard to people or property, and meets the requirements of this section and building code. The ADU application fee will cover the building inspection of the ADU.
- x. Discrete ownership of an ADU may be created through the residential binding site plan and/or condominium declaration process pursuant to Chapter 17.30 LMC and Chapter 64.34 RCW as applicable.

2. Standards – Boarding House.

- a. Parking Requirements. At a minimum, there must be one (1) off-street parking stall per occupant, or 0.75 space per room if the lot is within one-quarter (1/4) mile of a commuter rail or bus rapid transit stop. An owner may reduce the off-street parking requirement if an affidavit is signed that an occupant does not own a vehicle.
- b. Solid Waste Management Regulations.
  - i. All occupied units shall have minimum garbage service as prescribed by the City pursuant to LMC Title 13.
  - ii. The owner is responsible to provide each occupant with the solid waste collection schedule and that schedule is to be posted within the unit as approved by the City.
- c. International Property Maintenance Code. Pursuant to LMC Title 15, International Property Maintenance Code occupancy requirements are applicable to a boarding house regardless of the number of individuals living in the residence.

- d. Amortization Schedule. Existing boarding houses have until December 31, 2015, to become compliant with the regulations outlined in this title and LMC Title 5 as it pertains to boarding house.
  - e. Additional Standards. The following additional standards are required to be met for any boarding house housing over four (4) unrelated individuals excluding Types 1, 2, 3, 4, and 5 Group Homes in LMC 18A.10.040; hotels and motels as defined in LMC 18A.10.040; and excluding state-licensed foster homes, in addition to the criteria for a conditional use permit under Chapter 18A.30 LMC, Article II.
    - i. Adequate living space based on the International Residential Code standards will be taken into account when a request for more than four (4) unrelated individuals is requested.
    - ii. A designated property manager that is available twenty-four (24) hours a day, seven (7) days a week, is required.
    - iii. The request for more than four (4) unrelated individuals will not adversely impact the surrounding community.
    - iv. General Business License Required. A boarding house falling under this subsection is deemed a business activity and is subject to the requirements of Chapter 5.02 LMC.
    - v. The applicant must adhere to the provisions of the City's noise control regulations found in Chapter 8.36 LMC.
3. Cottage housing is permitted subject to Chapter 18A.30 LMC, Article III.
  4. Dormitories, fraternities and sororities shall be permitted as accessory uses to public or private educational institutions or churches.
  5. Detached primary dwelling units, or single-family dwelling units, include site-built homes, manufactured homes and modular homes.
    - a. All detached single-family dwellings (including manufactured homes) located in residential zones shall meet all of the following criteria:
      - i. May not have previously had a title granted to a retail purchaser and may not be a used mobile home as defined by RCW 82.45.032(2), now or hereafter amended.
      - ii. Be built to meet or exceed the standards established by 42 U.S.C. Chapter 70 – Manufactured Home Construction and Safety Standards, now or hereafter amended.
      - iii. Be thermally equivalent or better to that required by the state energy code for new residential structures, now or hereafter amended.
      - iv. Be set on and securely attached to a permanent foundation as specified by the manufacturer.



- v. Proof of title elimination per the Pierce County Auditor identified process is required prior to manufactured housing building occupancy.
  - vi. Be connected to required utilities that include plumbing, heating and electrical systems.
- b. All single-family dwellings (including manufactured homes) shall comply with the following siting and design standards unless sited within manufactured/mobile home parks:
- i. The design and construction of the foundation must meet the requirements of the International Building Code, now or hereafter amended.
  - ii. The gap from the bottom of the structure to the ground, around the entire perimeter of the structure, shall be enclosed by concrete or other concrete product as approved by the building official, which may or may not be load-bearing.
  - iii. Modular homes on individual lots shall incorporate design features of typical site-built homes including but not limited to modulation, articulation, sloped roofs, and wood siding or siding of a material which imitates wood.
6. Family day care is a permitted use, subject to obtaining a state license in accordance with Chapter 74.15 RCW and the following:
- a. Compliance with all building, fire, safety, health code, and City licensing requirements;
  - b. Conformance to lot size, setbacks, building coverage, hard surface coverage, and other design and dimensional standards of the zoning classification in which the home is located;
  - c. Certification by the office of child care policy licensor that a safe passenger loading area, if necessary, is provided.
7. Home occupations are permitted subject to the following:
- a. The home occupation shall be subordinate to the primary use of the premises as a dwelling unit.
  - b. All activities of the home occupation shall be conducted indoors.
  - c. The business shall be conducted by a member of the family residing within the primary residential premises plus no more than one (1) additional person not residing in the dwelling unit.
  - d. Home occupations may have on-site client contact subject to the following limitations:
    - i. All the activities of the home occupation shall take place inside the primary residential structure or accessory building;

- ii. The home occupation shall generate no more than two (2) vehicle trips per hour to the licensed residence; and
  - iii. The home occupation shall not create a public nuisance.
- e. The following activities shall be prohibited:
- i. Automobile, truck, boat and heavy equipment repair;
  - ii. Auto or truck body work or boat hull and deck work;
  - iii. Parking and storage of heavy equipment;
  - iv. Storage of building materials for use on other properties;
  - v. Painting or detailing of autos, trucks, boats, or other items;
  - vi. The outside storage of equipment, materials or more than one (1) vehicle related to the business;
  - vii. Vehicles larger than ten thousand (10,000) pounds gross weight operated out of the premises or parked on the property or on adjacent streets; and
  - viii. Taxicab, van shuttle, limousine or other transportation services, except for office activities; provided all other requirements of this subsection concerning home occupations are met.
- f. Home occupations shall not be allowed in accessory buildings within the rear yard setback.
- g. Home occupations in accessory buildings shall not permit noise to intrude into another residential property at a level at or above forty-five (45) decibels outside the hours of 7:00 a.m. through 6:00 p.m. Monday through Friday, and 9:00 a.m. through 5:00 p.m. on Saturday.
- h. Home occupations are required to obtain a City business license.
8. Mobile and/or manufactured homes are allowed only in mobile/manufactured home parks developed in accordance with subsection (C) of this section.
9. Residential Accessory Building.
- a. The maximum height for residential accessory buildings shall be twenty-four (24) feet.
  - b. Detached residential accessory structures which are less than one hundred twenty (120) square feet in size and not higher than ten (10) feet, including garden sheds or greenhouses or combination of both; children's play equipment; arbors; and gazebos, when placed in a rear half of the lot shall have a minimum three (3) foot setback.

Attached accessory structures shall meet the same setbacks as the main building.

- c. Pools, hot tubs, and similar accessory structures may not be located in the rear or interior yard setbacks.
- d. Vehicle covers and other storage structures that are composed of pipes or poles with a fabric, plastic or other type of cover on the top of the framework are required to meet the development standards for the applicable zoning district, including lot coverage limitations and setback requirements. If the covering on such a structure is metal, wood, hard plastic or other rigid material and the structure exceeds one hundred twenty (120) square feet in size, a building permit is required for the structure. If the structure is used for recreational, sporting or utility vehicle storage, the storage requirements of LMC 18A.60.160, including a parking pad and screening, must be met. Fabric, vinyl, flexible plastic or other membrane material may be utilized to enclose the sides of the structure only if the structure is specifically designed and used for vehicle storage. Such enclosed structures are not exempt from the screening requirements of LMC 18A.60.160. Except as noted above, general storage is prohibited in tents, yurts or other tent-like structures.
- e. Railroad cars, shipping containers, and semi-truck trailers shall not be placed or maintained in any single-family residential, mixed residential, or multifamily residential zoning district. Modified shipping containers or cargo containers approved for use as part of residential construction shall comply with criteria included in LMC 18A.10.180 under "Cargo containers."

10. See LMC 18A.40.120, Special needs housing.

11. Residential accessory uses are secondary, subordinate permitted uses and include the following:

- a. Private docks and mooring facilities as regulated by applicable shoreline management regulations.
- b. Attached carports or garages for the sole use of occupants of premises and their guests, for storage of personal household goods and motor, recreational, and sporting vehicles.
- c. Detached carports or garages are allowed in conjunction with an approved access and driveway.
- d. Other accessory buildings and structures such as hobbyist greenhouses and storage buildings for personal household goods and yard maintenance equipment, but excluding accessory dwelling units, are allowed.
- e. Outdoor storage of one (1) recreational/sporting/utility vehicle, subject to LMC 18A.60.160.
- f. Minor maintenance of a vehicle owned by a resident or a relative of a resident of the site on which the activity is performed, where the activity is not performed for pay or the exchange of goods or services, and subject to the provisions of LMC 18A.60.180.

- g. Hobbyist crop or flower gardens which are noncommercial and serve one (1) or more neighborhood homes on an informal, cooperative basis.
  - h. "Pea patch" or community gardens, "tot lots," private parks and open space set-asides. May include private, on-site composting facility with less than ten (10) cubic yards' capacity.
  - i. On-site underground fuel storage tanks to serve a residential use.
  - j. Antennas and satellite dishes for private telecommunication services.
  - k. Decks and patios.
  - l. Noncommercial recreational facilities and areas, indoor and outdoor, including swimming pools and tennis courts, for exclusive use by residents and guests.
  - m. On-site soil reclamation in accordance with state regulations.
  - n. Retaining walls, freestanding walls, and fences.
  - o. Yard sales.
  - p. Continuation of equestrian uses, which are accessory to a single-family dwelling, already legally existing within the zone at the time of adoption of this title. Maintenance, repair and replacement of existing equestrian structures shall be permitted.
12. Small craft distilleries may contract distilled spirits for, and sell distilled spirits to, holders of distillery licenses, manufacturer's licenses and grower's licenses.
13. Conditions for Foster Care Facilities. Foster care facilities, including foster family homes and group-care facilities, must comply with Chapter 74.15 RCW and hold a business license as required thereunder.

...

**18A.40.120 Special needs housing.**

- A. Intent. It is found and declared that special needs housing facilities are essential public facilities which provide a needed community service. Public health and safety require that these facilities be subject to certain conditions.

B. Special Needs Housing Table. See subsection C of this section for development and operating conditions. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts. See Chapter 18A.50 LMC, Article III, for the emergency housing and emergency shelter overlay (EHESO) district map.

**Zoning Classifications**

<b>Description(s)</b>	<b>R1, R2, R3, R4</b>	<b>MR1, MR2</b>	<b>MF1, MF2, MF3</b>	<b>ARC, NC1, NC2</b>	<b>TOC, CBD</b>	<b>C1, C2, C3</b>	<b>IBP, I1, I2</b>	<b>OSR1, OSR2</b>	<b>PI</b>	<b>ML, CZ, AC1, AC2</b>
Assisted Living Facility	<del>P</del>	<del>EP</del>	P	P	P	P	-	-	-	-
Confidential Shelter <u>(C)(53)</u>	P	P	P	P	P	-	-	-	P	-
Continuing Care Retirement Community	-	<del>EP</del>	P	P	P	P	-	-	-	-
Emergency Housing <u>(1)</u>	-	-	-	-	P	P	-	-	-	-
Emergency Shelter <u>(1)</u>	-	-	-	-	P	P	-	-	-	-
Enhanced Services Facility	-	-	-	C	C	C (C2 zone only)	-	-	-	-
Hospice Care Center	C	C	P	-	-	-	-	-	-	-
Nursing Home	-	C	P	P	P	P	-	-	-	-
Permanent Supportive Housing	P	P	P	P	P	P	-	-	C	-
Rapid Re-Housing	P	P	P	P	P	-	-	-	C	-
Transitional Housing	P	P	P	P	P	P	-	-	C	-
Type 1 Group Home, adult family home <u>(C)(1)</u>	P	P	P	P	P	-	-	-	C	-
Type 2 Group Home	P	P	P	P	P	-	-	-	C	-
Type 3 Group Home	-	C	C	C	C	-	-	-	C	-
Type 4 Group Home	-	-	-	-	-	C (C1 and C2 zones outside Station District Subarea only)	-	-	-	-

Description(s)	Zoning Classifications									
	R1, R2, R3, R4	MR1, MR2	MF1, MF2, MF3	ARC, NCI, NC2	TOC, CBD	C1, C2, C3	IBP, I1, I2	OSR1, OSR2	PI	ML, CZ, AC1, AC2
Type 5 Group Home	-	-	-	C (NC2 zones outside Downtown and Station District Subareas only)	C-	C (C2 zones outside Station District Subarea only)	-	-	-	-

P: Permitted Use C: Conditional Use - : Not allowed

\* Numbers in parentheses reference use-specific development and operating conditions under subsection C of this section.

Applications for all uses must comply with all of subsection C of this section's relevant general requirements.

C. Development and Operating Conditions.

1. Adult Family Homes. Adult family homes are permitted, subject to obtaining a state license in accordance with Chapter 70.128 RCW, Chapter 220, Laws of 2020 and the following:

- a. Compliance with all building, fire, safety, health code, and City licensing requirements;
- b. Conformance to lot size, setbacks, building coverage, hard surface coverage, and other design and dimensional standards of the zoning classification in which the home is located.

2. Development Conditions for Special Needs Housing.

a. Applications for special needs housing facilities shall be processed in accordance with the standard procedures and requirements as outlined in Chapter 18A.20 LMC, Article I, and with the following additional requirements:

i. Required Submittals. Applications for special needs housing for special needs housing facilities are public records and shall include the following:

- (a) A land use permit application containing all of the required information and submissions set forth in Chapter 18A.20 LMC, Article I;
- (b) A copy of any and all capital funding grants or award contracts related to the construction of a new structure or conversion of an existing structure to operate as a special needs housing facility;
- (c) Written documentation from the applicant agreeing to hold a public informational community meeting within four (4) weeks, but no sooner than two (2) weeks, from the time of application. The purpose of the community meeting is to provide an early, open dialogue between the applicant and the neighborhood surrounding the proposed facility.

The community meeting should acquaint the neighbors of the proposed facility with the operators and provide for an exchange of information about the proposal, including the goals, mission, and operation and maintenance plans for the proposed facility; the background of the operator, including their capacity to own, operate, and manage the proposed facility. The meeting is also an opportunity for the community to make the operator aware of the characteristics of the surrounding community and any particular issues or concerns.

The applicant shall provide written notification of the meeting to the appropriate neighborhood council, qualified neighborhood and



community organizations, and to the owners of property located within three hundred (300) feet of the project site.

If the use is proposed in an existing facility, the community meeting shall be held following an inspection of the existing facility per subsection (C)(2)(a)(i)(d) of this section.

- (d) Written request from the applicant to the Fire Marshal and Building Official for an inspection of an existing facility to determine if the facility meets the building and fire code standards for the proposed use. The purpose of this inspection is not to ensure that a facility meets the applicable code requirements or to force an applicant to bring a proposed facility up to applicable standards prior to application for a permit, but instead is intended to ensure that the applicant, the City, and the public are aware, prior to making application, of the building modifications, if any, that would be necessary to establish the use.
  - (e) An operation plan that provides per subsection (C)(5)(b)(i)(c)(iii) of this section information about the proposed facility and its programs, per the requirements of the Community and Economic Development Department.
- ii. Participation in HMIS. All special needs housing facilities should participate in the Pierce County homeless management information system (HMIS).
3. Development Application Process – Residents of Domestic Violence Shelters – Special Accommodations. The Director may grant special accommodation to individuals who are residents of domestic violence shelters in order to allow them to live together in single-family dwelling units subject to the following:
- a. An application for special accommodation must demonstrate to the satisfaction of the Director that the needs of the residents of the domestic violence shelter make it necessary for the residents to live together in a group of the size proposed, and that adverse impacts on the neighborhood from the increased density will be mitigated.
  - b. The Director shall take into account the size, shape and location of the dwelling unit and lot, the building occupancy load, the traffic and parking conditions on adjoining and neighboring streets, the vehicle usage to be expected from residents, staff and visitors, and any other circumstances the Director determines to be relevant as to whether the proposed increase in density will adversely impact the neighborhood.
  - c. An applicant shall modify the proposal as needed to mitigate any adverse impacts identified by the Director, or the Director shall deny the request for special accommodation.

- d. A grant of special accommodation permits a dwelling to be inhabited only according to the terms and conditions of the applicant's proposal and the Director's decision. If circumstances materially change or the number of residents increases, or if adverse impacts occur that were not adequately mitigated, the Director shall revoke the grant of special accommodation and require the number of people in the dwelling to be reduced to six (6) unless a new grant of special accommodation is issued for a modified proposal.
  - e. A decision to grant special accommodation is a Process Type I action. The decision shall be recorded with the Pierce County Auditor.
4. Development Registration Process of Existing Special Needs Housing. The state intends to regularly allocate a number of people the City should expect to accommodate in special needs housing. To ensure that the City is aware of the existing special needs housing operating within the City, those operating special needs housing prior to the effective date of the ordinance codified in this title shall register with the Community and Economic Development Department within one (1) year after the effective date of the ordinance codified in this title. Such registration shall be in a form provided by the Community and Economic Development Department and shall include the following information:
- a. The type of facility;
  - b. The location of the facility;
  - c. The size of the facility, including the number of clients served and number of staff; and
  - d. Contact information for the facility and its operator.
5. General Development and Operating Conditions – Emergency Housing, Emergency Shelter, Permanent Supportive Housing, and Transitional Housing Development and Operation Conditions.
- a. Purpose and Applicability.
    - i. The purpose of this section is to establish reasonable standards for the safe operation and appropriate siting of emergency housing, emergency shelter, permanent supportive housing, and transitional housing facilities within the City of Lakewood, so as to protect public health and safety for both facility residents and the broader community. This section does not include regulations for foster care facilities or group homes.
    - ii. Supportive housing facilities are allowed in all residential districts, provided they are of a similar scale as surrounding development (e.g., lot coverage, setbacks, impervious surface requirements, building

height, etc.) ~~As the needs of residents increase and/or the size of the facilities increase, such facilities should be located within areas of the City that allow increasing intensity of use and are in proximity of services in accordance with state law.~~

b. Performance Standards.

i. General Requirements for Emergency Housing, Emergency Shelter, Permanent Supportive Housing, and Transitional Housing Operations and Development Conditions.

(a) General.

- (i) When a site includes more than one (1) type of facility, the more restrictive requirements of this section shall apply.
- (ii) Each facility application will be reviewed through the Type 1 administrative permit review process in Chapter 18A.20 LMC. In considering whether the permit should be granted, the Director shall use the requirements in this code to consider the effects on the health and safety of facility residents and the neighboring communities.
- (iii) All facilities shall comply with all federal, state, county and local requirements to ensure housing safety and habitability. See, e.g., the Pierce County, WA Homeless Housing Program Policy and Operations Manual Chapters 5, 6, 7, and 8.
- (iv) All facilities are subject to the business license requirements under Chapter 5.02 LMC as applicable.
- (v) All facilities must comply with the Building and Construction Code under LMC Title 15. All facilities must also comply with the relevant provisions of LMC Title 18A and with LMC Title 18B or 18C if applicable.
- (vi) All facilities must comply with the provisions of crime prevention through environmental design (CPTED) under LMC 18A.60.090, 18B.500.530 or 18C.500.530 as applicable and permitted under state law; ~~provided, however, that existing buildings being converted to emergency housing, emergency shelter, permanent supportive housing or transitional housing shall not be required to make structural changes solely to comply with CPTED unless the relevant structural elements of the building are being altered as part of the conversion.~~

(x) Existing buildings being converted to emergency housing, emergency shelter, permanent supportive housing or transitional housing shall not be required to make structural changes solely to

comply with CPTED requirements unless the relevant structural elements of the building are being altered as part of the conversion.

(b) Site and Transit.

- (i) Facilities shall match the bulk and scale of residential uses allowed in the zone where the facility is located.
- (ii) Exterior lighting must comply with LMC 18A.10.135.8 and 18A.60.095.
- (iii) The minimum number of off-street parking spaces required for each facility will be determined by the Director through the approval process per Chapter 18A.80 LMC, Chapter 18B.600 LMC, or Chapter 18C.600 LMC and taking into consideration factors such as the potential number of residents, site constraints, and impact on the surrounding neighborhood.
- (iv) A description of transit, pedestrian, and bicycle access from the subject site to services must be provided at time of application by the sponsor and/or managing agency.

(c) Facility Operations.

- (i) The sponsor or managing agency shall comply with all relevant federal, state, and local laws and regulations. The facility is subject to inspections by local agencies and/or departments to ensure such compliance and shall implement all directives resulting therefrom within the specified time period.
- (ii) Service providers must provide on-site supervision of facilities and program participants at all times, unless providers demonstrate in the operations plan that another level of supervision will be effective in keeping residents and the public healthy and safe.
- (iii) The sponsor or managing agency must provide the City with an operation plan at the time of the application per subsection (C)(2)(a)(i)(d) of this section that adequately addresses the following elements:
  - (A) Name and contact information for key staff;
  - (B) Roles and responsibilities of key staff;
  - (C) Site/facility management, including security policies and an emergency management plan;
  - (D) Site/facility maintenance;
  - (E) Occupancy policies, to the degree legally applicable, including resident responsibilities and a code of conduct that address, at a

minimum, the use or sale of alcohol and illegal drugs, threatening or unsafe behavior, and weapon possession;

(F) Provision for human and social services, including staffing plan, credentials or certification, and outcome measures;

(G) Outreach with surrounding property owners and residents and ongoing good neighbor policy; and

(H) Procedures for maintaining accurate and complete records.

(iv) Sponsors or managing agencies shall provide the City with accurate, written documentation demonstrating that the agency has applicable experience providing similar services to people experiencing homelessness.

(v) Sponsors or managing agencies shall provide the City with accurate, written documentation demonstrating that the agency has a stable funding source for the facility and any on-site or off-site human and social services offered as part of the operations plan.

ii. Special Conditions for Emergency Housing and Emergency Shelters. In addition to the requirements under subsection (C)(5)(b)(i) of this section, emergency housing and emergency shelters are required to comply with the following:

(a) Facility Standards.

(i) No ~~special needs housing~~ emergency housing or emergency shelter may be located within an eight hundred eighty ~~one thousand~~ (880) foot radius of another property with emergency housing or an emergency shelter unless sponsored by the same governmental, religious, or not-for-profit agency.

(ii) Emergency housing and emergency shelters must meet all federal, state, county and local requirements to ensure housing safety and habitability, including occupancy requirements under the fire code.

~~(ii) In residential zones, no more than one (1) adult bed per two hundred fifty (250) square feet of floor area is allowed per facility. For the purposes of this section the following zones are considered residential zones: R1, R2, R3, R4, MR1, MR2, MF1, MF2, and MF3.~~

~~(iii) In all other zones, no more than one (1) adult bed per thirty five (35) square feet of floor area is allowed per facility.~~

(b) Facility Operations.

- (i) Trash receptacles must be provided in multiple locations throughout the facility and site. A regular trash patrol in the immediate vicinity of the site must be provided.
  - (ii) No children under the age of eighteen (18) are allowed to stay overnight in the facility, unless: the child is emancipated consistent with Chapter 13.64 RCW; accompanied by a parent or guardian; or the facility is licensed to provide services to this population. If a nonemancipated child under the age of eighteen (18) without a parent or guardian present attempts to stay in a facility not specifically licensed for providing housing to youth, the sponsor and/or managing agency shall immediately contact Child Protective Services and actively endeavor to find alternative housing for the child.
  - (iii) No person under sex offender registration requirements can receive services from a provider, unless providing such services is consistent with the laws, regulations, and/or supervisory requirements related to such persons.
- (c) Facility Services.
- (i) Residents shall have access to the following services on site; if not provided on site, transportation shall be provided:
    - (a) For all facilities, medical services, including mental and behavioral health counseling.
    - (b) For emergency housing facilities, access to resources on obtaining permanent housing and access to employment and education assistance.
    - (c) For emergency shelter facilities, substance abuse assistance.
  - (ii) All functions associated with the facility, including adequate waiting space, must take place within a building or on the site proposed to house the facility.
  - (iii) Facilities serving more than five (5) residents shall have dedicated spaces for residents to meet with service providers.
  - (iv) The sponsor or managing agency shall coordinate with the homelessness service providers for referrals to their program and with other providers of facilities and services for people experiencing homelessness to encourage access to all appropriate services for their residents.
- iii. Special Conditions for Permanent Supportive and Transitional Housing. In addition to the requirements under subsection (C)(5)(b)(i) of this

section, permanent supportive housing and transitional housing are required to comply with the following:

(a) Facility Standards.

- (i) In residential zones, individual facilities ~~shall not have more than eighty (80) dwelling units and~~ are subject to the density standards of residential uses allowed in the zone where the facility is located. For the purposes of this section the following zones are considered residential zones: R1, R2, R3, R4, MR1, MR2, MF1, MF2, and MF3.

(b) Facility Services.

- (i) All residents shall have access to appropriate cooking and hygiene facilities.
- (ii) Facilities serving more than five (5) dwelling units shall have dedicated spaces for residents to meet with service providers.
- (iii) Residents shall have access to the following services on site or shall be provided transportation to such services by the sponsor or managing agency:

- (a) Medical services, including mental and behavioral health counseling.

- (b) Employment and education assistance.

- 6. Abandonment of Special Needs Housing Use. Any existing special needs housing facility that is abandoned for a continuous period of one (1) year or more shall not be permitted to be reestablished, except as allowed in accordance with the standards and requirements for establishment of a new facility. [Ord. 789 § 2 (Exh. A), 2023; Ord. 738 § 2 (Exh. A), 2020; Ord. 726 § 2 (Exh. B), 2019.]



## **Chapter 18A.50      OVERLAY DISTRICTS**

Sections:

- 18A.50.005      Definitions.**
- Article I.      Flood Hazard Overlay (FHO)**
  - 18A.50.010      Purpose.**
  - 18A.50.020      Applicability.**
  - 18A.50.030      Administration.**
  - 18A.50.040      Alteration of water courses.**
  - 18A.50.050      Interpretation of FIRM boundaries.**
  - 18A.50.060      Variances – Flood hazard overlay.**
  - 18A.50.070      Provisions for flood hazard reduction.**
  - 18A.50.080      Allowable activities within the Regulatory Floodplain.**
- Article II.      Senior Housing Overlay (SHO)**
  - 18A.50.110      Purpose.**
  - 18A.50.120      Applicability.**
  - 18A.50.130      Provisions.**
  - 18A.50.140      Monitoring.**
- Article III.      Sexually Oriented Businesses Overlay (SOBO)**
  - 18A.50.210      Purpose and intent.**
  - 18A.50.220      Applicability.**
  - 18A.50.230      Definitions.**
  - 18A.50.240      Findings and legislative record.**
  - 18A.50.250      Sexually oriented business overlays (SOBOS) created.**
  - 18A.50.260      Sexually oriented business location within SOBOS.**
  - 18A.50.270      Processing of applications for licenses and permits.**
  - 18A.50.280      Conforming and nonconforming sexually oriented businesses.**
  - 18A.50.290      Notice to nonconforming sexually oriented business land uses.**
  - 18A.50.300      Expiration of nonconforming status.**
  - 18A.50.310      Notice and order.**
  - 18A.50.320      Provision for conformance.**
  - 18A.50.330      Prohibition and public nuisance.**
- Article IV.      Lakewood Overlay Districts Map**

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### **Article I.    Flood Hazard Overlay (FHO)**

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## Article II. Senior Housing Overlay (SHO)

...

## Article III. Sexually Oriented Businesses Overlay (SOBO)

...

## Article XX. Residential Transit Overlay(R/TO)

### 18A.50.XXX Purpose.

To provide additional density in locations with frequent transit service to encourage the use of multimodal transportation options, the Comprehensive Plan defines an overlay area where additional density is allowed close to major transit stops, defined as within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail or bus rapid transit.

### 18A.50.XXX Applicability.

This article applies at the developer's discretion to land use applications for duplexes and multifamily housing in Residential (R) zoning districts generally within one-quarter (1/4) mile of major transit stops as defined above. The Council has the discretion of changing the boundaries of the overlay to consider access to transit stops and consistency of the boundaries of the overlay.

### 18A.50.XXX Provisions.

- A. For lots located within the Residential/Transit Overlay, additional development densities of at least four (4) units per lot are allowed as a maximum base density as per the provisions of RCW 36.70A.635(1)(a)(ii) and LMC 18A.60.030.
- B. The timing of updates to the Transit Overlay under the Comprehensive Plan and Municipal Code may be managed under LMC 18A.30.090(A).

## Article ~~IV~~XX. Lakewood Overlay Districts Map

[ MAP INCLUDED ]

[Ord. 726 § 2 (Exh. B), 2019.]

# Chapter 18A.60 SITE PLANNING AND GENERAL DEVELOPMENT STANDARDS

Sections:

- 18A.60.005 Definitions.
- 18A.60.010 Purpose.
- 18A.60.020 Interpretation of tables.
- 18A.60.030 Residential area and dimensions.
- 18A.60.040 Commercial area and dimensions.
- 18A.60.050 Industrial area and dimensions.
- 18A.60.060 Military lands area and dimensions.
- 18A.60.070 Open space area and dimensions.
- 18A.60.080 Public/institutional.
- 18A.60.090 General standards.
- 18A.60.095 Outdoor lighting code.
- 18A.60.100 Building transition area.
- 18A.60.110 Density standards.
- 18A.60.120 Height standards.
- 18A.60.130 Street improvements.
- 18A.60.140 Concurrency.
- 18A.60.150 Gated residential subdivisions.
- 18A.60.160 Outdoor storage of recreational, utility and sporting vehicles accessory to residential uses.
- 18A.60.170 Parking of commercial vehicles accessory to residential uses.
- 18A.60.180 Vehicle service and repair accessory to residential uses.
- 18A.60.190 Outdoor storage and commercial yard surfacing standards.
- 18A.60.195 Storage container standards.
- 18A.60.200 Standards for uses and accessory uses not otherwise listed.

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## 18A.60.030 Residential area and dimensions.

A. Development Standards Table.

	Zoning Classifications								
	R1	R2	R3	R4	MR1	MR2	MF1	MF2	MF3
Density (units per acre)	7.0 / 3.5 / 1.8	10.3 / 5.2 / 2.6	23.3 / 11.7 / 5.9	30.6 / 15.3 / 7.7	22	35			
(B)(1)	1.45-DUA	2.2-DUA	4.8-DUA	6.4-DUA	8.7-DUA	14.6-DUA	22-DUA	35-DUA	54-DUA

**Zoning Classifications**

	<b>R1</b>	<b>R2</b>	<b>R3</b>	<b>R4</b>	<b>MR1</b>	<b>MR2</b>	<b>MF1</b>	<b>MF2</b>	<b>MF3</b>
<b>Lot size</b>	25,000 GSF	17,000 GSF	7,500 GSF	5,700 GSF	5,000-GSF /unit No minimum lot size	3,000-GSF /unit No minimum lot size	No minimum lot size	No minimum lot size	No minimum lot size
<b>Building coverage</b>	35%	35%	45%	50%	55%	60%	60%	60%	60%
<b>Impervious surface</b>	45%	45%	60%	70%	70%	75%	70%	70%	70%
<b>Front yard/street setback</b>	25 feet	25 feet	10 feet	10 feet	5 feet	5 feet	15 feet	15 feet	15 feet
<b>Garage/carport setback</b>	30 feet	30 feet	20 feet	20 feet	20 feet	20 feet	20 feet	20 feet	20 feet
<b>Principal arterial and state highway setback</b>	25 feet	25 feet	25 feet	25 feet	25 feet	25 feet	25 feet	25 feet	25 feet
<b>Rear yard setback</b>	20 feet	20 feet	10 feet	10 feet	5 feet	5 feet	15 feet	15 feet	15 feet
<b>Interior setback</b>	8 feet	8 feet	5 feet	5 feet	Attached units: 0 feet; Detached units: 5 feet	Attached units: 0 feet; Detached units: 5 feet	8 feet	8 feet	8 feet
<b>Building height</b>	35 feet	35 feet	35 feet	35 feet	35 feet	50 feet	45 feet	65 feet	80 feet
<b>Design</b>	Design features shall be required as set forth in Chapter <a href="#">18A.70</a> , Article I.								
<b>Landscaping</b>	Landscaping shall be provided as set forth in Chapter <a href="#">18A.70</a> , Article II.								
<b>Tree Preservation</b>	Significant tree identification and preservation and/or replacement shall be required as set forth in LMC <a href="#">18A.70.300</a> through <a href="#">18A.70.330</a> .								
<b>Parking</b>	Parking shall conform to the requirements of Chapter <a href="#">18A.80</a> .								
<b>Signs</b>	Signage shall conform to the requirements of Chapter <a href="#">18A.100</a> .								

**B. Specific Development Conditions.**

**1. Residential (R) Maximum Density**

**a. Maximum density requirements for Residential (R) zoning districts are listed as three figures, which are interpreted as follows:**

**i. The first number refers to the maximum housing density (excluding accessory dwelling units) permitted on lots where additional affordable units are provided according to LMC 18A.90.XXX or is located within the Transit Overlay as defined in Article XX Chapter 18A.50 LMC, and do not include critical areas or their buffers as defined under Title 14 LMC.**

**i. The second number refers to the maximum housing density (excluding accessory dwelling units) permitted on lots that do not include critical areas or their buffers.**

ii. The third number refers to the maximum housing density (excluding accessory dwelling units) permitted on lots that include critical areas or their buffers.

b. For all Residential (R) zoning districts, a minimum of two (2) housing units per lot (excluding accessory dwelling units) are allowed on all lots that meet minimum lot size requirements and do not include critical areas or their buffers, or four (4) housing units per lot where additional affordable units are provided according to LMC 18A.90.XXX or additional units are permitted in locations close to a major transit stop under Article XX Chapter 18A.50 LMC.

**BC.** Tree Preservation Incentives.

1. The Director may reduce a rear yard and/or side yard building setback to compensate for significant or heritage tree preservation; provided, that the setback is not reduced more than five (5) feet, is no closer to the property line than three (3) feet, is the minimum reduction required for tree preservation, and complies with LMC 18A.60.100, Building transition area.
2. The Director may increase the amount of allowable impervious surface by five (5) percent to compensate for the preservation of a significant or heritage tree. [Ord. 794 § 2 (Exh. A), 2023; Ord. 775 § 1 (Exh. A), 2022; Ord. 726 § 2 (Exh. B), 2019.]

**18A.60.040 Commercial area and dimensions.**

A. Development Standards Table.

	Zoning Classifications							
	ARC	NC1	NC2	TOC	CBD	C1	C2	C3
<b>Density (units per acre)</b>	15-DUA	22-DUA	35-DUA	80 54-DUA	80 54-DUA			
<b>Lot size</b>	The minimum lot size for the ARC zoning district is 5,000 gross square feet (GSF), plus 2,750 GSF for each dwelling unit over 1 unit, where applicable.				There is no minimum established lot size for the commercial zoning districts. Proposed uses and their associated densities within these zoning districts, and the applicable community design standards shall be used to establish the minimum lot size for a project.			
<b>Lot coverage</b>	All building coverage and impervious surface maximums stated herein may be reduced at the time they are applied, because of storm water requirements. The maximum lot coverage standards for the commercial zoning districts shall be as follows:							
<b>Building coverage</b>	50%	70%	80%	100%	100%	100%	100%	100%
<b>Impervious surface</b>	60%	80%	90%	100%	100%	100%	100%	100%
<b>Setbacks</b>	The minimum yard setbacks for the commercial zoning districts shall be as follows, except where increased setbacks due to landscaping and building/fire code requirements apply:							
<b>Front yard/street setback</b>	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet

**Zoning Classifications**

	<b>ARC</b>	<b>NC1</b>	<b>NC2</b>	<b>TOC</b>	<b>CBD</b>	<b>C1</b>	<b>C2</b>	<b>C3</b>
<b>Garage/carport setback</b>	20 feet	20 feet	20 feet	0 feet	0 feet	0 feet	0 feet	0 feet
<b>Rear yard setback</b>	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet
<b>Interior setback</b>	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet	0 feet
<b>Building height</b>	40 feet	50 feet	60 feet	90 feet	90 feet	60 feet	60 feet	60 feet
<b>Design</b>	Design features shall be required as set forth in Chapter <a href="#">18A.70</a> LMC, Article I.							
<b>Landscaping</b>	Landscaping shall be provided as set forth in Chapter <a href="#">18A.70</a> LMC, Article II.							
<b>Tree Preservation</b>	Significant tree identification and preservation and/or replacement shall be required as set forth in LMC <a href="#">18A.70.300</a> through <a href="#">18A.70.330</a> .							
<b>Parking</b>	Parking shall conform to the requirements of Chapter <a href="#">18A.80</a> .							
<b>Signs</b>	Signage shall conform to the requirements of Chapter <a href="#">18A.100</a> LMC.							

B. Tree Preservation Incentives.

1. The Director may increase the amount of allowable impervious surface by five (5) percent to compensate for the preservation of a significant or heritage tree. [Ord. 775 § 1 (Exh. A), 2022; Ord. 726 § 2 (Exh. B), 2019.]

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**~~18A.60.090 (G)(1) Prohibited Uses and Development~~**

~~"1. No more than one (1) dwelling shall be permitted per lot in all single family residential zoning districts, except as provided in LMC 18A.40.110(B)(1), or as may be allowed by the specific use regulations of a particular district."~~

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# **Chapter 18A.70      COMMUNITY DESIGN, LANDSCAPING, AND TREE PRESERVATION**

Sections:

- 18A.70.005      Definitions.**
- Article I.      Community Design**
- 18A.70.010      Purpose.**
- 18A.70.020      Applicability.**
- 18A.70.030      Administration.**
- 18A.70.040      Specific uses design standards.**
- 18A.70.050      Special uses design standards.**
- Article II.      Landscaping**
- 18A.70.100      Purpose.**
- 18A.70.110      Applicability.**
- 18A.70.120      Exceptions.**
- 18A.70.130      Plan requirements.**
- 18A.70.140      Landscaping standards.**
- 18A.70.150      Landscaping types.**
- 18A.70.160      Landscaping regulations by zoning districts.**
- 18A.70.170      Street tree standards.**
- 18A.70.180      Water conservation and suggested plant materials.**
- 18A.70.190      Performance assurance.**
- 18A.70.200      Maintenance.**
- Article III.      Tree Preservation**
- 18A.70.300      Purpose.**
- 18A.70.310      Tree removal applicability/exemptions.**
- 18A.70.320      Significant tree preservation.**
- 18A.70.330      Oregon white oak preservation.**
- 18A.70.340      City Tree Fund.**
- 18A.70.350      Definitions.**

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## **Article I.    Community Design**

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## **Article II. Landscaping**

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## **Article III. Tree Preservation**

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## Chapter 18A.80      PARKING

Sections:

<b>18A.80.005</b>	<b>Definitions.</b>
<b>18A.80.010</b>	<b>Purpose.</b>
<b>18A.80.020</b>	<b>General requirements.</b>
<b>18A.80.025</b>	<b>Maintenance.</b>
<b>18A.80.030</b>	<b>Zoning district parking requirements.</b>
<b>18A.80.040</b>	<b>Development standards.</b>
<b>18A.80.050</b>	<b>Loading and unloading.</b>
<b>18A.80.060</b>	<b>Parking incentives.</b>

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### **18A.80.030 Zoning district parking requirements.**

- A. The requirements for any use not listed herein shall be those of the listed use most similar to the unlisted use. When similarity is not apparent, the Director shall determine the minimum and maximum for the unlisted use. The Director may require that the applicant conduct a parking study to evaluate the parking needs associated with a proposed use.
- B. For conditional uses, as identified and described in Chapter 18A.20 LMC, Article II, the parking requirement shall be as provided in that chapter or as determined by the Hearing Examiner.
- C. Residential Zoning District. Off-street parking requirements for residential districts are located in subsection (F) of this section.
- D. Commercial, Office and Industrial Uses. In commercial, industrial, and mixed use districts, off-street parking requirements shall be as shown in subsection (F) of this section; provided, that all of the property is controlled by a single person or corporation, or written agreements for shared parking, acceptable to the City, are filed with the Director.
- E. Rounding of Fractions. When the number of required parking spaces for a particular use or building results in a fractional space, any fraction less than one-half (1/2) shall be disregarded and any fraction of one-half (1/2) or over shall be counted as one (1) space.
- F. Parking Standards. Note the parenthetical numbers in the matrix identify specific requirements or other information which is set forth following the matrix in subsection (G).

**PARKING STANDARDS TABLE**

Use	Unit measure	Optional Minimum (TDM program only; see 18A.80.060(H));	Maximum	Required bicycle parking spaces
<b>BUSINESS PARK</b>				
<b>General business park</b>	Per 1,000 square feet	2	4	See offices
<b>COMMERCIAL</b>				
<b>Banks</b>	Per 1,000 gross square feet	2	3	See offices
<b>Billiard halls</b>	Per table	1	2	1 per 20 auto stalls. Minimum of 4
<b>Bowling alleys</b>	Per alley	3	5	1 per 20 auto stalls. Minimum of 4
<b>Commercial recreation</b>	Per 1,000 square feet	3	5	1 per 20 auto stalls. Minimum of 4
<b>Day care, preschools, nursery schools (1)</b>	Per staff member plus one drop-off/loading area per 7 students	0.5	1	1 per 25 auto stalls. Minimum of 1
<b>Hotels, motels (2)</b>	Per room or suite. Hotel/motel banquet and meeting rooms shall provide 6 spaces for each 1,000-square feet of seating area. Restaurants are figured separately.	1	2	See retail
	<u>Per 1,000 square feet of seating area of banquet and meeting rooms</u>	<u>6</u>	<u>N/A</u>	<u>See places of assembly without fixed seats</u>
<b>Medical and dental clinic and offices</b>	Per 1,000 square feet of GFA	2	4	See offices
<b>Mini storage</b>	Per 100 units or a minimum of 3 spaces plus 2 for permanent on-site managers	<u>1; or a minimum of 3 spaces plus 2 for permanent on-site managers</u>	<u>N/A</u>	None
<b>Mortuaries, funeral homes</b>	Per 4 seats	1	2	None
<b>Neighborhood commercial shopping area</b>	Per 1,000 square feet	1	2	See retail
<b>Per 1,000 square feet of GFA</b>				
<b>Office building</b>	· With on-site customer service	2	4	1 per 15 auto stalls. Minimum of 2
	· Without on-site customer service	1.5	3	
<b>Regional shopping centers, food and drug stores</b>	Per 1,000 square feet of GFA	3	6	See retail

**PARKING STANDARDS TABLE**

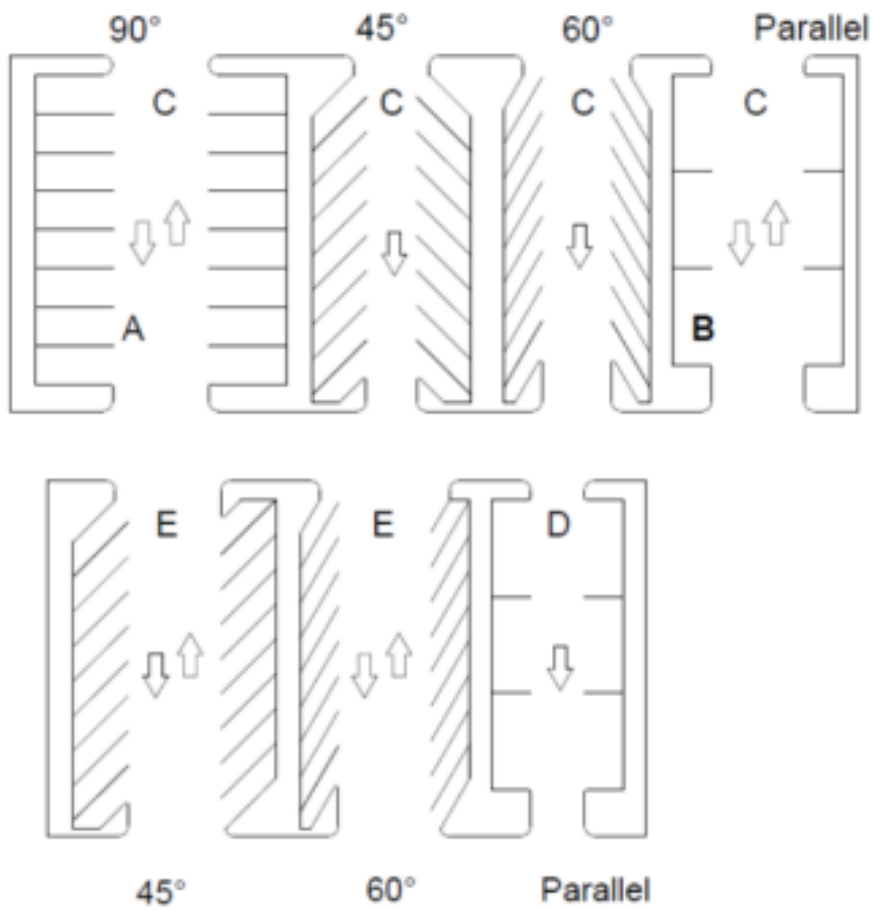
Use	Unit measure	Optional Minimum (TDM program only; see 18A.80.060(H));	Maximum	Required bicycle parking spaces
<b>Restaurants</b>	Per 100 square feet of dining area	1	4	See retail
<b>Retail</b>	Per 1,000 gross square feet	3	6	1 per 20 auto stalls. Minimum of 2
<b>Retail in mixed-use development</b>	Per 1,000 gross square feet	2	4	See retail
<b>Service stations (mini marts are retail uses)</b>	Per employee plus per service bay	0.5	1	None
<b>INDUSTRIAL</b>				
<b>General industrial</b>	Greatest number of employees on a single shift plus one space for each vehicle owned, leased or operated by the company	0.5	1	See offices
<b>Warehouse</b>	<u>Per 2,000 square feet of GFA plus per 400 square feet of GFA used for office or display area</u>	1	N/A	None
<b>INSTITUTIONAL</b>				
<b>Convalescent facilities, nursing homes</b>	Per 2 patient beds	1	3	See offices
<b>Hospital</b>	Per bed	0.5	1	See offices
<b>Libraries</b>	Per 200 square feet of GFA	0.5	1	1 per 20 auto stalls. Minimum of 2
<b>Schools, elementary and junior high</b>	Per classroom and office	1	1.5	1 per classroom
<b>Schools, senior high</b>	Per classroom and office plus per each 5 students of designated capacity	1	2	1 per 5 auto stalls. Minimum of 2
<b>PLACES OF ASSEMBLY</b>				
<b>Places of assembly without fixed seats</b>	Per 1,000 square feet of GFA	10	11	1 per 25 auto stalls. Minimum of 2
<b>Places of assembly with fixed seats</b>	Per 4 seats	1	2	1 per 40 auto stalls. Minimum of 4
<b>Stadiums, auditoriums,</b>	Per 4 seats of the permitted assembly occupants.	1	1.5	1 per 25 auto stalls. Minimum of 4

**PARKING STANDARDS TABLE**

Use	Unit measure	Optional Minimum (TDM program only; see 18A.80.060(H));	Maximum	Required bicycle parking spaces
<b>gymnasiums, theaters</b>				
<b>RESIDENTIAL</b>				
<b>Accessory dwelling unit (3)</b>	Per dwelling unit	1	N/A	None
	Per dwelling unit within 1/2 mile of a major transit stop (3)	0 / 1	N/A	None
<b>Affordable housing units within 1/4 mile of transit (any type) (4)</b>	Per dwelling unit within 1/4 mile of frequent transit service (4)	Studio – 0.75	N/A	1 per 7.5 auto stalls. 3 minimum per building
		1 bedroom – 1		
		2+ bedroom – 1.5		
<b>Single-family</b>	Per dwelling unit	2	N/A	None
	Per dwelling unit	2	N/A	None
<b>Duplexes (5)</b>	Per dwelling unit within 1/2 mile of frequent transit service (5)	0	N/A	0.5 per unit
	Per dwelling unit	Studio – 1 1 bedroom – 1.25 2+ bedroom – 1.5	N/A	2
<b>Multifamily structures with four to six units (5)</b>	Per dwelling unit within 1/2 mile of a major transit stop	0	N/A	0.5 per unit
		Studio – 1 1 bedroom – 1.25 2+ bedroom – 1.5	N/A	1 per 10 auto stalls. 2 minimum per building
<b>Multifamily structures with seven or more units (6)</b>	Per dwelling unit	(At least 10% of the total parking spaces must be set aside for unreserved guest parking)	N/A	1 per 10 auto stalls. 2 minimum per building
	Per dwelling unit within 1/2 mile of a major transit stop	Studio – 0.75 1 bedroom – 1 2+ bedroom – 1.5	N/A	1 per 7.5 auto stalls. 3 minimum per building
<b>Mobile home subdivision</b>	Per dwelling unit	2	N/A	None
<b>Mobile home parks (7)</b>	Per dwelling unit. (In mobile home parks, the parking spaces in excess of 1 per mobile home may be grouped in shared parking areas.)	1.5	N/A	None
<b>Rooming houses, lodging houses, bachelor or</b>	Per occupant	1	3	See multifamily
	Per room within 1/2 mile of a major transit stop	0.75	3	See multifamily

**PARKING STANDARDS TABLE**

Use	Unit measure	Optional Minimum (TDM program only; see 18A.80.060(H));	Maximum	Required bicycle parking spaces
efficiency units (6)				
Senior citizen apartments and housing for people with disabilities	Per 3 dwelling units	1	2	See multifamily
	Per dwelling unit within ¼ mile of frequent transit service (8)	0	N/A	0.25 per unit



**Off-Street Parking Dimension Table**

	45-Degree	60-Degree	90-Degree	Parallel
<b>Parking Stall Width (A)</b>	9' (Compact 8')	9' (Compact 8')	9' (Compact 8')	9' (Compact 8')
<b>Parking Stall Depth (B)</b>	18' (Compact 16')	18' (Compact 16')	18' (Compact 16')	18' (Compact 16')



### Off-Street Parking Dimension Table

	45-Degree	60-Degree	90-Degree	Parallel
Width of Driveway Aisle (C)	13'	18'	24'	12'
Width of One-Way Access Driveway (D)	14'	14'	14'	14'
Width of Parking Lot Access Driveway (E)	24'	24'	24'	24'

### X. Additional Provisions.

1. For day care, preschools, and nursery schools, one drop-off loading area must be provided per seven (7) students.
2. Restaurants in hotels and motels are managed as a separate use under parking requirements.
3. Accessory dwelling units within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail, bus rapid transit, or actual fixed route service at intervals of at least fifteen minutes for at least five hours during the peak hours of operation on weekdays, are not required to provide on-site parking spaces if adequate provision of on-street parking facilities is available as determined by the Director.
4. The requirements for reduced parking for affordable housing include the following:
  - a. Housing units must be affordable at fifty (50) percent of area median income or lower.
  - b. The housing unit is located within one-quarter mile of a transit stop that receives transit service at least two times per hour for twelve or more hours per day.
  - c. A covenant must be registered on title consistent with the requirements in Chapter 18A.90 LMC that will maintain units as affordable for a minimum of fifty (50) years.
5. For middle housing types, housing units that are within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail or bus rapid transit, are not required to provide on-site parking if adequate provision of on-street parking facilities is available as determined by the Director.
6. For multifamily housing types:
  - a. Housing units within one-half (1/2) mile of a transit stop that receives transit service at least two times per hour for twelve or more hours per day are required to provide 0.75 parking spaces per unit or one (1) space per bedroom, to a maximum of two (2) spaces per unit.

b. At least 10% of the total parking spaces must be set aside for unreserved guest parking.

7. In mobile home parks, parking spaces in excess of one (1) per mobile home may be grouped in shared parking areas.

8. For housing units that are specifically for seniors or people with disabilities and are within one-half (1/2) mile of a transit stop that receives transit service at least two times per hour for twelve or more hours per day, no on-site parking is required.

[Ord. 772 § 2 (Exh. A), 2022; Ord. 726 § 2 (Exh. B), 2019.]

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### **18A.80.060 Parking incentives.**

- A. When residential uses are combined with commercial uses in the same building, parking requirements may be reduced by twenty (20) percent, except when located within the CBD or TOC zoning districts for which parking requirements ~~are~~ may be reduced by thirty-five (35) percent.
- B. A structured parking space shall count as one and one-half (1.5) parking spaces towards the required number of parking spaces.
- C. When affordable housing is constructed pursuant to Chapter 18A.90 LMC, Housing Incentives Program, the parking space requirements shall be calculated employing any available modifications based upon LMC 18A.90.060.
- D. Shared Use Parking. Joint use of required parking spaces may be permitted where two (2) or more uses on the same site or separate sites in close proximity to one another are able to share the same parking spaces because their parking usage does not materially overlap (e.g., uses primarily of a daytime versus nighttime, or weekday versus weekend nature). Shared parking shall be legally encumbered and shall meet all of the applicable standards of this section pursuant to subsection (E) of this section, Off-Site Parking.
- E. Off-Site Parking. Joint use of required parking spaces may be authorized by the Director if the following documentation is submitted in writing to the Community and Economic Development Department:
  - 1. The names and addresses of the owners and/or tenants that are sharing the parking.
  - 2. The uses that are involved in the shared parking.

3. The location and number of parking spaces that are being shared.
  4. An analysis showing that the peak parking times of the uses occur at different times and/or that the parking area will be large enough for the anticipated demands of both uses.
  5. A legal instrument such as an easement or deed restriction that guarantees continuing access to the parking for both uses which shall be subject to review and approval by the Director.
- F. On-Street Parking Credit. Where adjacent roads are designed for on-street parking and approved by the Public Works Director, parking credit may be given for on-street parking.
- G. Electric Vehicle Charging Parking Provisions. For every electric vehicle charging station provided, the required number of parking spaces may be reduced by an equivalent number, provided the total reduction does not exceed five (5) percent of the total required parking spaces. For example, if forty (40) parking spaces are required and two (2) electric vehicle charging stations are provided, the total required parking may be reduced to thirty-eight (38) spaces, yielding thirty-six (36) "regular" parking spaces and two (2) electric vehicle charging parking spaces. Note that in this example the total reduction may not be in excess of two (2) spaces ( $40 \times 5\% = 2$ ), so if three (3) electric vehicle charging stations were provided instead, the total reduction in required parking would still be two (2) spaces, yielding thirty-five (35) "regular" parking spaces and three (3) electric vehicle charging parking spaces.
- H. Phased Reduction of Maximum Parking Standards. One technique for transportation demand management (TDM) is to reduce maximum allowable parking spaces. This reduction in parking can be accomplished by slowly phasing down the maximum allowable number of parking spaces over a period of years. This procedure has advantages of reducing vehicle trips and conserving urban commercial land that can be used for other purposes. However, TDM has the potential to have a significant adverse impact on the jurisdiction's economic development if other reasonable forms of alternative transportation are not available, and should be evaluated accordingly. ~~This technique should be periodically revisited to consider its viability but should not be implemented until its feasibility for Lakewood is established.~~
1. Minimum Optional Guidelines and Maximum Standards. To promote parking reduction, the optional minimum guideline listed in LMC 18A.80.030(F) serves as a suggested parking number but is not mandatory ~~for automobiles except for single family residential development~~. Applicants will be encouraged to provide less automobile parking than the minimum listed whenever possible based upon TDM, available on-street parking, and the potential for shared parking within walking distance and other factors. The minimum number listed for bicycle parking shall be provided as indicated in the table for both commercial and residential development.

2. The number of parking spaces needed to serve a project must be demonstrated to the Director based upon a parking plan considering TDM techniques and other relevant factors. Upon justification to the satisfaction of the Director, whatever number of parking spaces agreed upon shall be the number required, and this shall be an enforceable condition of the approval.
  3. The maximum parking standards may be increased if the Director finds compelling reasons to do so. Such determination shall be at the sole discretion of the Director based upon such factors as unique site or use requirements, historical data of a particular use or other relevant factors indicating additional parking is necessary to properly serve a use or uses at a site.
  4. For large projects where a traffic study is required and the proposal has one hundred (100) or more employees, a comprehensive TDM strategy ~~may be proposed to achieve a reduction in minimum parking listed in LMC 18A.80.030(F)~~ will be a requirement to meet parking needs.
- X. The reduction in parking permitted under TDM shall be commensurate with the permanence, effectiveness and demonstrated reduction in off-street parking demand effectuated by such alternative programs.

Alternative programs that may be considered by the Director under this provision include, but are not limited to, the following:

- a. Private vanpool operation;
- b. Transit/vanpool fare subsidy;
- c. Imposition of a charge for parking;
- d. Provision of subscription bus services;
- e. Flexible work hour schedule;
- f. Capital improvements for transit services;
- g. Preferential parking for carpools/vanpools;
- h. Participation in the ride-matching program;
- i. Reduction of parking fees for carpools and vanpools;
- j. Establishment of a transportation coordinator position to implement carpool, vanpool and transit programs;
- k. Bicycle parking facilities including associated shower and changing facilities;
- l. Compressed work week;

- m. Telecommuting;
  - n. Other techniques and strategies approved by the Site Plan Review Committee.
5. Parking reduction under this subsection must provide information regarding the administration of the program to the Director. The information must include:
- a. Address each individual TDM strategy as part of the transportation impact analysis;
  - b. Provide the City with an estimate of peak hour employees as part of their development application and traffic impact analysis;
  - c. Provide estimated parking occupancy rates for the development as part of the transportation impact analysis showing average weekday use;
  - d. Demonstrate how TDM strategies will be used to minimize the need for parking.
- l. Credit for Tree Preservation. For every significant tree and/or heritage tree preserved within the property, the required number of parking spaces may be reduced by one-half (0.5) spaces, provided the total reduction does not exceed five (5) percent of the total required parking spaces, when combined with all parking incentive credits. [Ord. 775 § 1 (Exh. A), 2022; Ord. 726 § 2 (Exh. B), 2019.]

# Chapter 18A.90 HOUSING INCENTIVES PROGRAM

Sections:

- 18A.90.010 Definitions.
- 18A.90.020 Purpose.
- 18A.90.030 Applicability.
- 18A.90.040 General provisions.
- 18A.90.050 Inclusionary density bonuses.
- 18A.90.060 Development standard modifications.
- 18A.90.070 Fee reduction.
- 18A.90.080 Review process.
- 18A.90.090 Monitoring.

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## 18A.90.050 Inclusionary density bonuses.

A. Rate and Calculation. In return for the inclusion of a number of "qualified," as defined herein, on-site units dedicated to serving and reserved for occupancy by very low and/or extremely low income, as defined herein, persons, families, or groups qualified units, one (1) additional, on-site market-rate unit is permitted as a bonus for each qualified very low income unit provided that is affordable at fifty (50) percent of area median income or less, and 1.5 additional, on-site market rate units are permitted as a bonus for each qualified extremely low income unit provided that is affordable at thirty (30) of area median income or less, up to a maximum percentage 25% above the maximum density permitted in the underlying zoning district as shown below.

### Inclusionary density bonuses

Zoning district(s)	Maximum density increase as a percentage of the base zoning district
R1, R2, R3, R4	10%
MR1, MR2, ARC, NC1, NC2	15%
MF1, MF2, MF3	20%
EBD, TOC	25%

B. Duration. Prior to the final approval of any land use application for which density bonuses are being sought, the owner of the affected parcels shall deliver to the City a duly executed covenant running with the land, in a form approved by the City Attorney, requiring that the qualified dwellings units created pursuant to this section shall remain as such for a period of at least twenty (20) years from the commencement date. The covenant shall form an enduring contractual

~~agreement between the owner/applicant and the City. The owner/applicant shall be responsible for the cost of preparing and recording the covenant, and the owner/applicant or subsequent owner(s) or operator(s) shall be responsible for administering the covenant. The commencement date shall be the date that the first lease agreement with a qualified renter becomes effective~~ of the certificate of occupancy or final building inspection.

- C. Siting of Units. The qualified units constructed under these provisions shall be integrated and dispersed within the development for which the density bonus is granted. The physical segregation of qualified ~~housing~~ units from unqualified market-rate housing units, or the congregation of qualified ~~housing~~ units into a single physical portion of the development, is prohibited.
- D. Size of Units. The size of the qualified units constructed under the provisions of this ~~chapter~~ section shall be proportionate to the size of the units contained in the entire project; e.g., if fifty (50) percent of the units in the project are one (1) bedroom units and fifty (50) percent are two (2) bedroom units, then the qualified units shall be divided equally between one (1) and two (2) bedroom units.
- E. Appearance of Units. Qualified units shall possess the same style and architectural character and shall utilize the same building materials as market-rate units.
- F. Completion. If a project is to be phased, the proportion of qualified units to be completed with each phase shall be determined as part of the phasing plan approved by the Director. [Ord. 726 § 2 (Exh. B), 2019.]

X. Exclusivity of Bonus. This incentive cannot be used in conjunction with other density bonuses defined in this chapter.

### **18A.90.XXX Density bonuses – religious organizations.**

- A. Calculation. In accordance with RCW 35A.63.300 and 36.70A.545, additional housing density is provided for property developed in partnership with religious organizations where all units are reserved for occupancy by qualified households under subsection (B). The density bonus amounts to an increase of twenty-five (25) percent above the density of the underlying zoning district.
- B. Qualified Households. A household may qualify for housing units under this section if:
  - 1. For rental units, the household has an income of sixty (60) percent of area median income, adjusted for household size; or
  - 2. For ownership units, the household has an income of eighty (80) percent of area median income at the time of sale, adjusted for household size.
- C. Qualified Projects. An affordable housing development is allowed to receive the bonus described in subsection (A) provided that:



1. All housing units in the project are qualified units set aside for or occupied exclusively by qualified households as defined in subsection (B);
2. The affordable housing development is part of a lease or other binding obligation that requires the development to be used exclusively for affordable housing purposes for at least fifty (50) years from the date of the certificate of occupancy or final building inspection, even if the religious organization no longer owns the property; and
3. The affordable housing development does not discriminate against any person who qualifies as a member of a low-income household based on race, creed, color, national origin, sex, veteran or military status, sexual orientation, or mental or physical disability; or otherwise act in violation of the Federal Fair Housing Amendments Act of 1988 (42 U.S.C. Sec. 3601 et seq.).

D. Rehabilitated Property. The bonus may be applied to the rehabilitation of an existing property.

E. Resale of Owner-Occupied Units. Subsequent to the initial sale of a unit, a household purchasing a unit in a qualified project must also be considered a qualified household under subsection (B).

F. Covenant on Title. Prior to the final approval of any land use application for which the density bonus is being sought under this section, the owner of the affected parcels shall deliver to the City a duly executed covenant recorded on title in a form approved by the City Attorney stipulating the conditions provided under this section.

G. Exclusivity of Bonus. This incentive cannot be used in conjunction with other density bonuses defined in this chapter.

### **18A.90.XXX Density bonuses – residential districts.**

A. Calculation. In accordance with RCW 36.70A.635, additional housing density is provided for all lots in Residential (R) districts where units are reserved for occupancy by qualified households under subsection (B). This density bonus is defined in LMC 18A.60.030(A).

B. Qualified Households. A household may qualify for housing units under this section if:

1. For rental units, the household has an income of sixty (60) percent of area median income, adjusted for household size; or
2. For ownership units, the household has an income of eighty (80) percent of area median income at the time of sale, adjusted for household size.

C. Qualified Projects. An affordable housing development is allowed to receive the bonus described in subsection (A) provided that:

1. At least twenty-five (25) percent of housing units in the development are qualified units set aside for or occupied exclusively by qualified households as defined in subsection (B);
2. The qualified units are part of a lease or other binding obligation that requires them to be used exclusively for affordable housing purposes for at least fifty (50) years from the date of the certificate of occupancy or final building inspection;
3. Qualified units have the same style and architectural character and utilize the same building materials as market-rate units;
4. The proportions of qualified units by size constructed under the provisions of this section shall be consistent with the proportion of units by size that are not qualified; and
5. The lot does not include a critical area or buffer as defined under Title 14 LMC.

D. Rounding. For the calculation of required units reserved as qualified units under subsection (C)(1), all fractions are rounded up.

E. Resale of Owner-Occupied Units. Subsequent to the initial sale of a unit, a household purchasing a qualified unit must also be considered a qualified household under subsection (B).

F. Covenant on Title. Prior to the final approval of any land use application for which the density bonus is being sought under this section, the owner of the affected parcels shall deliver to the City a duly executed covenant recorded on title in a form approved by the City Attorney stipulating the conditions provided under this section.

G. Exclusivity of Bonus. This incentive cannot be used in conjunction with other density bonuses defined in this chapter.

### **18A.90.060 Development standard modifications.**

~~In order to accommodate bonus housing units awarded under this program, the~~ The development standards set forth separately in this code may be modified as follows for properties containing qualified housing units for projects receiving bonus housing units under this chapter:

- A. Lot Coverage. Where it does not conflict with surface water management requirements, the maximum percentage of lot coverage may be increased by up to five (5) percent of the total square footage over the maximum lot coverage permitted by the underlying zoning district.
- B. Parking Requirements. For ~~multifamily developments containing qualified housing~~ qualified projects, the percentage of compact parking stalls may be increased up to fifty (50) percent of the total required parking. In addition, for

multifamily developments containing qualified housing dedicated to extremely-low-income, as defined herein, persons, families, or groups, the number of required parking stalls serving such units shall be reduced by fifty (50) percent.

- C. In circumstances where housing serving qualified ~~populations~~ households is located within one quarter (1/4) mile of transit routes and can be shown to generate significantly lower-than-average parking demand, parking requirements may be further reduced at the Director's discretion. The applicant shall be responsible for preparing any additional studies or evaluation required to provide evidence of demand.
- D. Building Height. The maximum building height may be increased by up to twelve (12) feet for those portions of the building(s) at least twenty (20) feet from any property line. [Ord. 726 § 2 (Exh. B), 2019.]

**18A.90.070 Fee reduction.**

~~In order to further stimulate the provision of qualified units under this program, review~~ Review fees for land use applications and building permits for properties containing ~~housing-qualifying units dedicated to serving very low income and/or extremely low income, as defined herein, persons, families, and groups~~ shall be reduced by the percentage shown below at the time of application based on the number of qualified units and maximum incomes for qualified households (adjusted for size). Discounts shall be applicable to the entire scope of the application; ~~including both standard and qualified units, and shall correspond to the percentage of dedicated qualified units in the overall project.~~ For properties containing both levels of qualified units, the highest discount shall apply. For projects dedicating in excess of fifty (50) percent of units to qualified housing, a standard seventy-five (75) percent discount shall apply. Any available refunds for applications withdrawn in progress shall also be discounted correspondingly.

% of Qualified Units	Fee Reductions	
	<del>Discount for Very Low Income Qualified Units Affordable at 50% AMI or Below</del>	<del>Discount for Extremely Low income Qualified Units Affordable at 30% AMI or Below</del>
0 – 10 percent	10 percent	15 percent
11 – 20 percent	20 percent	25 percent
21 – 30 percent	30 percent	35 percent
31 – 40 percent	40 percent	45 percent
41 – 50 percent	50 percent	55 percent

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## **Chapter 18A.95      WIRELESS SERVICE FACILITIES**

Sections:

- 18A.95.005      Definitions.**
- Article I.      General**
- 18A.95.010      Purpose.**
- 18A.95.020      Applicability.**
- 18A.95.040      General provisions.**
- 18A.95.050      Controlling provisions.**
- Article II.      Macro Facilities**
- 18A.95.060      Application requirements.**
- 18A.95.070      Procedure for macro facilities permit.**
- 18A.95.080      Review criteria for macro facilities.**
- 18A.95.090      Priority of locations for macro facilities.**
- 18A.95.100      General siting and design requirements for macro facilities.**
- 18A.95.110      Structure-mounted macro facility siting and design requirements.**
- 18A.95.120      Tower siting and design requirements.**
- 18A.95.130      Collocation.**
- Article III.      Eligible Facility Requests**
- 18A.95.140      Purpose.**
- 18A.95.160      Application and review.**
- Article IV.      Small Wireless Facilities**
- 18A.95.170      Application requirements.**
- 18A.95.180      Review criteria.**
- 18A.95.190      Permit requirements.**
- 18A.95.200      Modifications.**
- 18A.95.210      Consolidated permit.**
- 18A.95.220      Design zones for small wireless facilities and deployments on pedestrian poles.**
- 18A.95.230      Small wireless facility design requirements.**
- 18A.95.250      Design requirements for new poles for small wireless facilities, deployments in design zones, and deployments on pedestrian poles.**

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## **Chapter 18A.100    SIGNS**

Sections:

- 18A.100.005    Definitions.**
- 18A.100.010    Purpose – Sign regulations.**
- 18A.100.030    Administration – Sign regulations.**
- 18A.100.040    Prohibited signs.**
- 18A.100.050    General provisions.**
- 18A.100.060    Provisions for permanent signs or continuous displays.**
- 18A.100.070    Provisions for temporary signs.**
- 18A.100.080    Nonconforming signs.**

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# **Title 18B            DOWNTOWN DEVELOPMENT CODE**

Chapters:

- 18B.100            Downtown District**
- 18B.200            Land Use and Zoning**
- 18B.300            Streets and Blocks**
- 18B.400            Site Design, Buildings, and Frontage**
- 18B.500            Landscaping, Open Space, and Green Infrastructure**
- 18B.600            Parking**
- 18B.700            Administration**



## **Chapter 18B.100     DOWNTOWN DISTRICT**

Sections:

- 18B.100.105     Purpose.**
- 18B.100.110     Vision and Objectives.**
- 18B.100.120     The Regulating Plan Map.**
- 18B.100.130     Definitions.**
- 18B.100.140     Relationship to Other Regulations.**

## Chapter 18B.200 LAND USE AND ZONING

Sections:

- 18B.200.210 Application within Downtown District.**
- 18B.200.220 Uses.**
- 18B.200.230 District-Wide Development Standards.**
- 18B.200.240 Colonial District Standards.**
- 18B.200.250 Transition Area Standards.**

...

### **18B.200.220 Uses.**

- A. All residential uses, civic uses, and commercial uses and their respective uses and their related accessory uses as defined in Chapter 18A.40 LMC are permitted within the Downtown District, except in the Low-Impact Mixed-Use Roads district. Permitted uses are subject to the approval of all required development permits; provided, that the following uses are prohibited:
1. Prohibited Agriculture.
    - a. Raising and keeping of animals for agricultural purposes.
  2. Prohibited Commercial and Industrial Uses.
    - a. Accessory industrial.
    - b. Auto vehicle sales and rental.
    - c. Building contractor, light.
    - d. Building contractor, heavy.
    - e. Commercial recreation – outdoor.
    - f. Construction/heavy equipment sales and rental.
    - g. Fuel dealer.
    - h. Furniture/furnishings, cabinet shop.
    - i. Furniture/furnishings, equipment store.
    - j. Laundry, dry cleaning plant.
    - k. Manufacturing, assembling and packaging, medium.

- l. Manufacturing, assembling and packaging, heavy.
  - m. Metal product fabrication, machine and welding.
  - n. Mobile home, RV, and boat sales.
  - o. Motion picture production studios.
  - p. Outdoor storage.
  - q. Pawn brokers and secondhand dealers.
  - r. Petroleum product storage and distribution.
  - s. Recycling facility – processing facility.
  - t. Repair service – equipment, large appliances.
  - u. Scrap and dismantling yards.
  - v. Sexually oriented businesses.
  - w. Solid waste transfer station.
  - x. Storage, personal storage facility.
  - y. Swap meet.
  - z. Vehicle services, major repair/body work.
  - aa. Vehicle storage.
  - bb. Warehouse.
  - cc. Warehouse retail.
  - dd. Wholesaling and distribution.
  - ee. Wildlife preserve or sanctuary.
  - ff. Wine production facility.
3. Prohibited Eating and Drinking Establishments.
- a. None.
4. Prohibited Government Services.
- a. Maintenance shops and vehicle and equipment parking and storage areas for general government services.
5. Prohibited Health and Social Services.

- a. Medical service hospital.
  - 6. Prohibited Lodging.
    - a. None.
  - 7. Prohibited Open Space.
    - a. Not applicable.
  - 8. Prohibited Residential Uses.
    - a. Boarding house.
    - b. Detached single-family.
    - c. Two-family residential, attached or detached dwelling units.
    - d. Three-family residential, attached or detached dwelling units.
    - e. Stand-alone residential uses within the Colonial Overlay (C-O) or Town Center Incentive Overlay (TCI-O) districts. Mixed-use development in the C-O and TCI-O incorporating multifamily residential uses is allowed.
    - f. Mobile home park.
    - g. Mobile and/or manufactured homes in mobile home parks.
  - 9. Special Needs Housing.
    - a. Hospice Care Center.
    - ~~b. Type 4 Group Home.~~
    - ~~c. Type 5 Group Home.~~
  - 10. AICUZ.
    - a. Not applicable.
  - 11. Transportation.
    - a. None.
  - 12. Utilities.
    - a. None.
- B. The following uses are allowed provided the conditions listed herein are met:
- 1. Drive-through facilities; provided:

- a. Drive-through facilities are limited to one drive-through lane per establishment;
- b. Drive-through facilities must have a primary customer entrance and cannot provide customer service exclusively from a drive-through or walk-up window;
- c. Drive-through facilities shall be designed so that vehicles, while waiting in line to be served, will not block vehicle or pedestrian traffic in the right-of-way;
- d. Drive-through facilities shall be appropriately and attractively screened from the public right-of-way:
  - i. Drive-through facilities shall not parallel the Green Street Loop;
  - ii. Drive-through lanes shall only be placed parallel to a road if separated by a distance of 30 feet, or if fully screened by a 15-foot landscape setback with a designed landscape berm (six feet high at center of berm in 15-foot landscape setback) or three-and-one-half-foot decorative masonry wall;
  - iii. Drive-through lanes oriented perpendicular to a public right-of-way shall include landscape screening to shield headlights from shining directly into an abutting or adjacent street right-of-way.

C. Conditionally Permitted Uses.

- 1. Pipelines.
- 2. Manufacturing, assembling and packaging, light allowed in the downtown district, except not allowed on retail streets, festival streets, or low-impact mixed-use streets. Where permitted, such uses shall be as part of mixed-use development with commercial, retail, or residential uses.

D. Low-Impact Mixed-Use Roads District. Permitted uses include professional office uses, personal services, private training schools, community and cultural services, single-family residential uses, multiple-family residential uses, and community and cultural services in areas not suitable for general commercial development or adjacent to residential development. The Director may permit other uses consistent with the uses allowed in the NC2 zoning district where the footprint of development and customer visits are compatible with adjacent single-family residential development within or outside the Downtown District. [Ord. 726 § 2(Exh. A), 2019; Ord. 695 § 2 (Exh. B), 2018.]

...

## **Chapter 18B.300 STREETS AND BLOCKS**

Sections:

**18B.300.310 Streets and Blocks.**

...

## **Chapter 18B.400 SITE DESIGN, BUILDINGS, AND FRONTAGE**

Sections:

**18B.400.410 Site Design, Buildings, and Frontage.**

...



## **Chapter 18B.500    LANDSCAPING, OPEN SPACE, AND GREEN INFRASTRUCTURE**

Sections:

- 18B.500.510    Basic Standards.**
- 18B.500.520    Special Landscape Treatments.**
- 18B.500.530    Common and Open Space Standards.**
- 18B.500.540    Green Infrastructure.**

...

## Chapter 18B.600 PARKING

Sections:

### 18B.600.610 Parking.

### 18B.600.610 Parking.

A. Off-Street Parking Requirements. The following off-street parking requirements supersede the requirements in Chapter 18A.80 LMC. Uses not listed below must comply with the requirements in Chapter 18A.80 LMC.

#### 18B-600-1. Off-Street Parking Requirements.

Land Use	Parking Requirement	Required Bicycle Parking Spaces
Residential	1 per dwelling unit	<u>1 per 10 auto stalls. 2 minimum per building</u>
Retail, Services, Restaurants	2 per 1,000 GSF minimum; 3 per 1,000 GSF maximum	<u>1 per 15 auto stalls. Minimum of 2</u>
Office	2 per 1,000 GSF minimum; 3 per 1,000 GSF maximum	<u>1 per 15 auto stalls. Minimum of 2</u>
Street level retail 3,000 sq. ft. or less per business	None where there is available public parking within 500' or abutting on-street parking designed to serve street level retail	<u>1 per 8,000 GSF of total retail. Minimum of 2</u>

B. Parking Reductions or Increases. The amount of required parking may be reduced or eliminated, or increased above the maximum, based on a site-specific parking study that demonstrates one or more of the following:

1. Reduction Due to Shared Parking at Mixed-Use Sites and Buildings. A shared use parking analysis for mixed-use buildings and sites that demonstrates that the anticipated peak parking demand will be less than the sum of the off-street parking requirements for specific land uses.
2. Reduction Due to Public Parking Availability. The availability of public parking to accommodate the parking demand generated by the site or building. The City may approve a reduction in the amount of required parking by up to 50 percent for any parking stalls that will be open and available to the public. On-street parking may be considered for the reduction; any new on-street parking provided will be counted toward the required parking availability.
3. Reduction Due to Lower Parking Demand or Increase Based on Greater Parking Demand. Demonstrating that anticipated parking demand will be less than the minimum parking required, or greater than the maximum allowed, based on collecting local parking data for similar land uses on a typical day for a minimum of eight hours.

C. Parking Location and Design. Parking shall be located behind the building or in a structure except in locations where the parking frontage type is permitted.

- D. Shared Parking. Shared parking is encouraged to support a walkable and pedestrian-oriented CBD where people can park once and visit multiple destinations. Off-site shared parking may be authorized per the standards in Chapter 18A.80 LMC.
- E. Public Parking. Public parking is permitted as a principal or accessory use in the Downtown District subject to the frontage and design standards.
- F. Dimensional Standards. Parking stall and circulation design shall meet the standards of Chapter 18A.80 LMC. [Ord. 726 § 2(Exh. A), 2019; Ord. 695 § 2 (Exh. B), 2018.]

## **Chapter 18B.700    ADMINISTRATION**

Sections:

- 18B.700.710    Form-Based Code Review.**
- 18B.700.720    Master Planned Development – Town Center Incentive Overlay.**
- 18B.700.730    Update of Nonconforming Lots.**

...

**18B.700.720 Master Planned Development – Town Center Incentive Overlay.**

A. *Purpose.* The purpose of a master planned development in the Downtown District Subarea is to provide the developer and the City the opportunity to implement the ~~e~~Downtown ~~p~~Plan in way that could not be achieved through strict application of the standards in this chapter. It also allows for the development of larger, more complex, and multi-phased projects to develop with certainty.

B. *Applicability.* Development within the Town Center Incentive Overlay Downtown Subarea may apply for a master plan for the development of ~~10~~ five (5) or more acres.

**Update all references to the Public Works Engineering Department (PWE) or its Director and the Community & Economic Development Department (CED) or its Director in LMC Titles 14, 16, 17, 18A, 18B, and 18C with references to the Planning & Public Works Department (PPW) or its Director.**

# **Title 18C            STATION DISTRICT DEVELOPMENT CODE**

Chapters:

- 18C.100            Station District**
- 18C.200            Land Use and Zoning**
- 18C.300            Streets and Blocks**
- 18C.400            Site Design, Buildings, and Frontage**
- 18C.500            Landscape, Open Space, and Green Infrastructure**
- 18C.600            Parking**
- 18C.700            Administration**

- ii. Drive-through lanes oriented perpendicular to a public right-of-way shall include landscape screening to shield headlights from shining directly into an abutting or adjacent street right-of-way.

C. Conditionally Permitted Uses.

1. Pipelines.
2. Manufacturing, assembling and packaging, light, is allowed in the Station District, but such uses shall be as part of mixed-use development with commercial, retail, or residential uses.

D. Additional permitted uses in the MF3 zone within the LSDS.

1. Rowhouses.
2. Townhouses.
3. Three (3) family residential, attached. [Ord. 751 § 2 (Exh. B), 2021.]

...



## **Chapter 18C.100 STATION DISTRICT**

Sections:

- 18C.100.100 Background.**
- 18C.100.105 Purpose.**
- 18C.100.110 Vision and objective.**
- 18C.100.120 The regulating plan map.**
- 18C.100.130 Definitions.**
- 18C.100.140 Relationship to other regulations.**

...

## Chapter 18C.200 LAND USE AND ZONING

Sections:

- 18C.200.210 Application within Station District.**
- 18C.200.220 Land use.**
- 18C.200.230 District-wide development standards.**

...

### **18C.200.220 Land use.**

A. Allowed and Prohibited Uses. All residential uses, civic uses, and commercial uses and their respective uses and their related accessory uses as defined in Chapter 18A.40 LMC are permitted within the Station District except for those prohibited uses listed below. Permitted uses are subject to the approval of all required development permits. Uses identified as prohibited below that legally existed prior to the adoption of this code are considered nonconforming.

1. Prohibited uses in the AC1 zoning district:
  - a. None.
2. Prohibited uses in the MF3 zoning district:
  - a. Building and landscape materials;
  - b. Convenience store;
  - c. General retail.
3. Prohibited uses in the NC2 zoning district:
  - a. Auto and vehicle sales/rental;
  - b. Building and landscape materials;
  - c. Solid waste transfer station;
  - d. Vehicle services, major repair/body work.
4. Prohibited uses in the TOC zoning district:
  - a. Accessory caretaker's unit.
5. Prohibited uses in the C2 zoning district:

- a. Auto and vehicle sales/rental;
  - b. Manufacturing, assembling, and packaging, medium;
  - c. Manufacturing, assembling, and packaging, heavy;
  - d. Metal products fabrication, machine and welding;
  - e. Mobile home, RV, and boat sales;
  - f. Recycling facility – processing facility;
  - g. Repair service – equipment, large appliances.
  - h. Vehicle services, major repair/body work;
6. Prohibited uses in the CI zoning district:
- a. Auto and vehicle sales/rental;
  - b. Building and landscape materials;
  - c. Construction/heavy equipment sales and rental;
  - d. Enhanced services facility;
  - e. Equipment rental;
  - f. Fuel dealer;
  - g. Furniture/fixtures manufacturing, cabinet shop;
  - h. Laundry, dry cleaning plant;
  - i. Manufacturing, assembling, and packaging, medium;
  - j. Manufacturing, assembling, and packaging, heavy;
  - k. Mobile home, RV, and boat sales;
  - l. Outdoor storage;
  - m. Pawnbrokers and secondhand dealers;
  - n. Recycling facility – processing facility;
  - o. Repair service – equipment, large appliances;
  - p. Secondhand stores;
  - q. Storage, personal storage facility;
  - r. Type 4 group home;

s. ~~Type 5 group home;~~

- t. Vehicle services, major repair/body work;
- u. Vehicle storage;
- v. Warehouse;
- w. Warehouse retail;
- x. Wholesaling and distribution.

B. Allowed Use Conditions. The following uses are allowed, provided the conditions listed below are met:

1. Uses in the MF3 zone within the LSDS boundary with an approved master plan per LMC 18C.700.720:
  - a. Multifamily use, four (4) or more units;
  - b. Mixed uses, when consistent with the following:
    - i. The commercial use is only permitted on the ground floor of the development; and
    - ii. A minimum ratio of four (4) square feet of multifamily use to one (1) square foot of commercial use is maintained.
2. Drive-through facilities; provided:
  - a. Drive-through facilities are limited to one (1) drive-through lane per establishment;
  - b. Drive-through facilities must have a primary customer entrance and cannot provide customer service exclusively from a drive-through or walk-up window;
  - c. Drive-through facilities shall be designed so that vehicles, while waiting in line to be served, will not block vehicle or pedestrian traffic in the right-of-way;
  - d. Drive-through facilities shall be appropriately and attractively screened from the public right-of-way:
    - i. Drive-through lanes shall only be placed parallel to a road if separated by a distance of thirty (30) feet, or if fully screened by a fifteen (15) foot landscape setback with a designed landscape berm six (6) feet high at center of berm in fifteen (15) foot landscape setback) or three-and-one-half (3.50) foot decorative masonry wall;

## **Chapter 18C.300 STREETS AND BLOCKS**

Sections:

**18C.300.310 Streets and blocks.**

...

## **Chapter 18C.400 SITE DESIGN, BUILDINGS, AND FRONTAGE**

Sections:

**18C.400.410 Site design, buildings, and frontage.**

...

## **Chapter 18C.500    LANDSCAPE, OPEN SPACE, AND GREEN INFRASTRUCTURE**

Sections:

- 18C.500.510    Basic standards.**
- 18C.500.520    Special landscape treatments.**
- 18C.500.530    Common and open space standards.**
- 18C.500.540    Green infrastructure.**

...



## Chapter 18C.600 PARKING

Sections:

### 18C.600.610 Parking.

### 18C.600.610 Parking.

A. Off-Street Parking Requirements. The following off-street parking requirements supersede the requirements in Chapter 18A.80 LMC. Uses not listed below must comply with the requirements in Chapter 18A.80 LMC.

**Table 18C.600-1. Off-Street Parking Requirements**

Land Use	Vehicular Parking Requirement	Bicycle Parking Requirement
Residential	<p><b>Single-family:</b> 2 per dwelling unit</p> <p><b>Accessory dwelling:</b> 1 per dwelling unit; <del>provided, that no additional parking is required or zero</del> when located within one-quarter-half mile of the Sounder Station <u>or a bus rapid transit stop.</u> (RCW <a href="#">36.70A.698</a>)</p> <p><b>Senior citizen apartments:</b> 1 per 3 dwelling units*</p> <p><b>Multifamily housing:*</b></p> <p>Studio – <u>1 per unit</u></p> <p>1+ bedroom – <u>1.25 per unit</u></p> <p>(At least 10% of the total parking spaces must be set aside for unreserved guest parking)*</p> <p><i>*See process in subsection (B) of this section to prepare parking study to reduce further near station.</i></p>	Meet rates and standards of: Chapter <a href="#">18A.80</a> LMC
	<p>Retail, Services, Restaurants</p> <p>2 per 1,000 GSF minimum; 3 per 1,000 GSF maximum</p>	Meet rates and standards of: Chapter <a href="#">18A.80</a> LMC
Office	<p>2 per 1,000 GSF minimum; 3 per 1,000 GSF maximum</p>	Meet rates and standards of: Chapter <a href="#">18A.80</a> LMC
Street-Level Retail 3,000 sq. ft. or less per business	None where there is available public parking within 500' or abutting on-street parking designed to serve street level retail	Meet rates and standards of: Chapter <a href="#">18A.80</a> LMC

B. Parking Reductions or Increases. The amount of required parking may be reduced or eliminated, or increased above the maximum, based on a site-specific parking study that demonstrates one (1) or more of the following:

1. Reduction Due to Shared Parking at Mixed-Use Sites and Buildings. A shared use parking analysis for mixed-use buildings and sites that demonstrates that the anticipated peak parking demand will be less than the sum of the off-street parking requirements for specific land uses.
2. Reduction Due to Public Parking Availability. The availability of public parking to accommodate the parking demand generated by the site or building. The

City may approve a reduction in the amount of required parking by up to fifty (50) percent for any parking stalls that will be open and available to the public. On-street parking may be considered for the reduction; any new on-street parking provided will be counted toward the required parking availability.

3. Reduction Due to Lower Parking Demand or Increase Based on Greater Parking Demand. Demonstrating that anticipated parking demand will be less than the minimum parking required, or greater than the maximum allowed, shall be based on collecting local parking data for similar land uses on a typical day for a minimum of eight (8) hours.
4. Reduction for Housing in Proximity to Sounder Station or Bus Rapid Transit (RCW 36.70A.620). When located within one-quarter (0.25) mile of the Sounder Station, a bus rapid transit stop, or a fixed route transit stop receiving transit service at least four times per hour for twelve or more hours per day, an applicant may apply for an exception allowing minimum parking requirements to be reduced at least to one (1) parking space per bedroom or three-quarters (0.75) space per unit, as justified through a parking study prepared to the satisfaction of the Community Development Director or their designee. At the discretion of the Director, this may require evidence that there is sufficient on-street capacity to accommodate parking requirements.

This exemption can apply to the following residential uses:

- a. Housing units that are affordable to very low-income or extremely low-income individuals, which may be exempted from parking requirements if serviced by a fixed route transit stop receiving transit service at least twice per hour for twelve or more hours per day;
  - b. Housing units that are specifically for seniors or people with disabilities, which may be provided with an exemption for all parking requirements;
  - c. Market rate multifamily housing.
5. Credit for Tree Preservation. For every significant tree and/or heritage tree preserved within the property, the required number of parking spaces may be reduced by one-half (0.5) spaces, provided the total reduction does not exceed five (5) percent of the total required parking spaces, when combined with all parking incentive credits.

In determining whether to grant a parking reduction, the Community Development Director may also consider if the project is proposed in an area with a lack of access to street parking capacity, physical space impediments, or other reasons supported by evidence that would make on-street parking infeasible for the unit.

In determining whether to grant a parking reduction, the Community Development Director may also consider if the project is proposed in an area

with a lack of access to street parking capacity, physical space impediments, or other reasons supported by evidence that would make on-street parking infeasible for the unit.

- C. Parking Location and Design. Parking shall be located behind the building or in a structure except in locations where the parking frontage type is permitted.
- D. Shared Parking. Shared parking is encouraged to support a walkable and pedestrian-oriented Station District where people can park once and visit multiple destinations. Off-site shared parking may be authorized per the standards in Chapter 18A.80 LMC.
- E. Public Parking. Public parking is permitted as a principal or accessory use in the Station District subject to the frontage and design standards.
- F. Dimensional Standards. Parking stall and circulation design shall meet the standards of Chapter 18A.80 LMC. [Ord. 775 § 1 (Exh. A), 2022; Ord. 772 § 2 (Exh. A), 2022; Ord. 751 § 2 (Exh. B), 2021.]

## **Chapter 18C.700    ADMINISTRATION**

Sections:

- 18C.700.710    Form-based code review.**
- 18C.700.720    Optional master planned development.**
- 18C.700.730    Update of nonconforming lots.**

**ATTACHMENT D**

# **Lakewood Comprehensive Plan: Development Regulations Partial Audit**

**WORKING DRAFT | August 2024**

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# Introduction

## Overview

As part of the updates to the Lakewood Comprehensive Plan, a thorough audit of the existing development regulations is essential to ensure alignment between policies and the Lakewood Municipal Code. This audit will ensure that these regulations do not conflict with the goals and policies of the Comprehensive Plan and can guide Lakewood's future growth in a sustainable and balanced manner.

This review provides a clear framework for Council, city staff, stakeholders, and the broader community to understand the recommended changes as part of this process. The revisions included provide both the changes necessary to reflect changes in the policies included in the Plan, and other required edits due to adjustments in the Growth Management Act and other enabling state statutes.

## Structure of the Audit

The audit of the City of Lakewood's development regulations is organized into a table format with three main columns, ensuring a clear and effective review process:

- **Original Code:** This column lists the current text of the Lakewood Municipal Code.
- **Rationale for Changes:** This column provides the reasons for proposed changes to the code, linking the adjustments to necessary alignment with the Comprehensive Plan and state statutory changes.
- **Final Edited Code:** This column shows the proposed amended code, with the final text provided in line to allow for comparison with the original code.

This structured table format ensures that the audit process is transparent and easy to understand for decision-makers and stakeholders, focusing particularly on improving housing policies. Note that there is also a full version of the relevant code provided at the end of this document with markups to show the proposed changes. (Note for the August 2024 version that renumbering of the policies has not been performed; this will not be done until the edits have been finalized.)

These edits included the following Titles:

- Title 18A (Land Use and Development Code)
- Title 18B (Downtown Development Code)
- Title 18C (Station District Development Code)

**Note: This Audit does not include certain revisions to Title 18A included in the August 2024 draft development regulations. This Audit also does not contain the proposed revisions to Title 18D (Environmental Protection) and Title 18E (Subdivisions)**



# Code Audit

## Title 18A LAND USE AND DEVELOPMENT CODE

### Chapter 18A.10 BASIC PROVISIONS

Revisions	Rationale for Change
<b>18A.10.010 Title.</b>	
This title shall be <del>shall be</del> known and may be cited as the “Lakewood Land Use and Development Code,” hereinafter referred to as “this title” or “this code.” [Ord. 726 § 2 (Exh. B), 2019.]	<ul style="list-style-type: none"><li>▪ Proofing change.</li></ul>
<b>18A.10.020 Purpose.</b>	
...	
Specifically, this code is intended to:	
A. Foster improved relationships and harmony among land uses in order to overcome past, haphazard development patterns.	
B. Preserve the qualities of those residential neighborhoods that offer desirable living environments, while encouraging improvement to others whose character undermines good-quality living conditions.	
C. Diminish the reliance of current development patterns on automobile use and, over time, integrate multi-modal transportation opportunities into new development and redevelopment to support pedestrians, bicycles, and transit as well as cars.	
<u>X. Plan for housing to ensure affordability across all income levels, support different housing types to meet a range of household needs, and support the preservation of existing affordable housing stock.</u>	<ul style="list-style-type: none"><li>▪ Provide a clear policy note in this document to highlight the importance of housing.</li></ul>
D. Provide for adequate public facilities and services to support land development.	
E. Promote social and economic well-being through integration of aesthetic, environmental, and economic values.	
F. Encourage protection of environmentally critical or historically significant resources.	
G. Ensure provision of adequate space for <del>housing,</del> commercial/industrial endeavors, and other activities necessary for public welfare.	

**Revisions**

**Rationale for Change**

H. Provide for effective and equitable administration and enforcement of the regulations contained herein. [Ord. 726 § 2 (Exh. B), 2019.]

...

**18A.10.120 Establishment of zoning districts**

...

B. Each zoning district and the abbreviated designation suffix are listed below. See subsections (C) and (D) of this section and Chapter 18A.40 LMC for more details about each zoning district.

[ TABLE ]

- This table is adjusted to rename “Single-Family Residential” to “Residential”. Changes that allow middle housing in these areas means that the name should be broader in scope.

C. Relationship between Comprehensive Plan Land Use Designations Map Designations and Zoning Districts.

[ TABLE ]

D. Purpose and Applicability of Zoning Districts.

1. ~~Single-Family~~ Residential Zoning Districts.

- “Single-Family Residential” is renamed to “Residential” as changes that allow middle housing in these areas means that the name should be broader in scope.

a. Purpose. The Residential 1 (R1) ~~and Residential 2 (R2)~~ zoning districts ~~provide for a continuation of large residential lots in specific areas where a pattern of large lots and extensive tree coverage exists. These zoning districts seek to preserve the identity of these residential areas, preserve significant tree stands and riparian environments along lake shores and within stream corridors, and reduce traffic volumes in the east-west arterial corridors, primarily consists of larger residential lots where environmental factors would prevent more intensive development. This includes environmentally sensitive areas where development may impact lakes, creek habitat and Lakewood Water District wellheads.~~

- This has been rewritten as R1 zones will remain as larger lots, but should be targeted to areas where critical areas prevent additional development. In this case, R2/R3 should be combined.

~~The Residential 3 (R3) and Residential 4 (R4) zoning districts are the City’s primary residential zones, which provide for single-family dwellings in established residential neighborhoods. The Residential 4 (R4) designation provides for increased residential density through smaller lot sizes and allowance for residential development comprising two (2) units per lot.~~

- This is removed to realign R2 and R3, and provide a new definition for R4 areas.

The Residential 2 (R2) and Residential 3 (R3) zoning districts accommodate a range of detached and attached housing types, including middle housing, accessory dwelling units (ADUs), and smaller- and moderate-scale multi-family housing.

- This is added to indicate that R2 and R3 zones will largely accommodate middle housing options given the increased density allowed on individual lots.

## Revisions

## Rationale for Change

The Residential 4 (R4) zoning districts include single-family, middle housing, ADUs, and smaller- and moderate-scale multi-family housing with greater densities and smaller lot sizes. These areas are typically allocated in neighborhoods where housing on individual lots is expected, but the area includes supporting infrastructure, amenities, and services that allow for higher-density development.

- This is added to acknowledge that the revised density of R4 zones is now comparable to the previous MR1/MR2 zones, and can accommodate additional development.

b. Applicability. The R1, ~~and R2, R3, and R4~~ zoning districts are applicable to lands designated Residential ~~Estate~~ in the comprehensive plan.

- “Residential Estate” is removed under this new land use framework.

~~The R3 and R4 zoning districts are applicable to lands designated Single-Family in the comprehensive plan.~~

- See above. All single-use residential zones are now included under one category.

...

### 3. Multifamily Zoning Districts.

a. Purpose. The Multifamily designation supports a mix of low- and moderate-density housing options that provides a variety of options for diverse families and lifestyles. This designation represents a transition to areas that include a greater amount of multifamily housing on larger lots.

- An introduction is provided to be consistent with other sections.

The Multifamily 1 (MF1) zoning district provides for a variety of medium-density housing types and designs offering a wide choice of living accommodations for families of diverse composition and lifestyles. The designation incorporates a combination of urban design elements to enhance the living environment while integrating the housing into a neighborhood. ~~Urban design elements such as private and public open space, pedestrian orientation and connections, and security are integrated into the housing to create a high standard of community cohesion and character.~~

- The urban design elements are removed as these are not a defining characteristic specifically of the MF zones.

The Multifamily 2 (MF2) zoning district provides for high-density housing types and designs, especially of a multiple-story design, that combine urban design elements to enhance the living environment. ~~Urban design elements stress pedestrian orientation and connections, security, transportation, and integration of housing.~~

- The urban design elements are removed as these are not a defining characteristic specifically of the MF zones.

The Multifamily 3 (MF3) zoning district is intended to integrate urban, high-density, multi-story housing in close proximity to a principal or minor arterial, with commercial/residential districts. The MF 3 zoning districts are predominantly located adjacent to land zoned NC2, CBD, or SD.

...

### 18A.10.130 Establishment of overlay districts.

...

## Revisions

## Rationale for Change

B. Each overlay district and the abbreviated designation suffix are listed below.

[ TABLE ]

The boundaries of overlay districts are shown on the City's official Overlay Districts Map included in Article XX Chapter 18A.50, which is included below as Figure 1 and hereby adopted as part of this title, and are further described as follows:

- This adds the transit overlay district and specifically highlights the article that discusses the overlay districts in more depth to ensure that the map is not duplicated.

...

X. The boundaries of the Transit (T) overlay shall be areas designated as Residential that are found within one-quarter (1/4) mile of a major transit stop for bus rapid transit (BRT) and commuter rail. These areas allow for increased residential densities beyond what is allowed under Residential designations for locations once service is available.

- This incorporates the transit overlay into the development regulations. Note that this is done versus providing a simple distance measure to ensure that the city has the flexibility to change the boundaries as needed.

...

### 18A.10.180 Definitions.

...

"Accessory dwelling unit (ADU)" means a habitable dwelling unit added to, created within, or detached from and on the same lot with a single family dwelling, a single-family housing unit, duplex, triplex, townhome, or other housing unit that provides basic requirements for living, sleeping, eating, cooking, and sanitation.

- This removes the conflict in the definition with the attached/detached ADU definition below, which indicates that they may be provided with other types of housing units.

...

"Affordable housing" means residential housing that is rented by a person or household whose monthly housing costs, including utilities other than telephone, do not exceed thirty (30) percent of the household's monthly income. ~~For the purposes of housing intended for owner occupancy, "affordable housing" means residential housing that is within the means of low- or moderate-income households. If not otherwise defined, affordable housing means housing that is within the means of:~~

- This definition is provided to clarify the term affordable housing to be consistent with statute and Department of Commerce recommendations.

1. Households in rental units earning sixty (60) percent of area median income or less; or

2. Households in ownership units earning eighty (80) percent of area median income or less.

...

"Emergency amendment" means any proposed change or revision to the Comprehensive Plan due to a situation that requires expeditious action to preserve the health, safety or welfare of the public; and when adherence to the annual amendment process would be further detrimental to public health, safety or welfare. Emergency amendments may be reviewed and acted upon outside the annual amendment review cycle.

- Added to provide a clear definition for the revised section on emergency amendments.

## Revisions

## Rationale for Change

“Emergency housing” means temporary indoor accommodations for individuals or families who are homeless or at imminent risk of becoming homeless that is intended to address the basic health, food, clothing, and personal hygiene needs of individuals or families. Emergency housing may or may not require occupants to enter into a lease or an occupancy agreement. ~~RCW 36.70A.030(9)~~. Emergency housing is not a group home under LMC Title 18A, 18B, or 18C.

- Remove RCW reference as it is currently incorrect.

“Emergency shelter” means a facility that provides a temporary shelter for individuals or families who are currently homeless. Emergency shelter may not require occupants to enter into a lease or an occupancy agreement. Emergency shelter facilities may include day and warming centers that do not provide overnight accommodations. ~~RCW 36.70A.030(10)~~. Emergency shelter facilities are not a group home under LMC Title 18A, 18B, or 18C.

- Remove RCW reference as it is currently incorrect.

...

“Permanent supportive housing” means subsidized, leased housing with no limit on length of stay that prioritizes people who need comprehensive support services to retain tenancy and utilizes admissions practices designed to use lower barriers to entry than would be typical for other subsidized or unsubsidized rental housing, especially related to rental history, criminal history, and personal behaviors ~~(RCW 36.70A.030(19))~~. ~~Permanent supportive housing does not mean multifamily housing projects with fewer than fifty (50) percent of the units providing permanent supportive housing.~~ Permanent supportive housing is paired with on-site or off-site voluntary services designed to support a person living with a complex and disabling behavioral health or physical health condition who was experiencing homelessness or was at imminent risk of homelessness prior to moving into housing to retain their housing and be a successful tenant in a housing arrangement, improve the resident's health status, and connect the resident of the housing with community-based health care, treatment, or employment services. Permanent supportive housing is subject to all of the rights and responsibilities defined in chapter 59.18 RCW.

- This definition is provided to clarify the term to be consistent with statute and Department of Commerce recommendations.
- Remove RCW reference as it is currently incorrect.

...

“Qualified household” means a household which has been assessed to meet the eligibility requirements to rent or purchase a qualified unit.

- This provides a definition to support Chapter 18A.70 LMC.

“Qualified project” is a residential or mixed-use development which includes qualified units and receives a bonus under Chapter 18A.90 LMC.

- This provides a definition to support Chapter 18A.70 LMC.

Revisions	Rationale for Change
<p>“Qualified unit” means residential housing <del>for rental occupancy which, as long as the same is occupied by a very low income or extremely low income, as defined herein;</del> requires payment of monthly housing costs, including utilities other than telephone, of no more than thirty (30) percent of <del>the resident’s or residents’ income(s) household income.</del> If not otherwise specified, these units shall be affordable to households with incomes of:</p> <ol style="list-style-type: none"> <li>1. Sixty (60) percent of area median income adjusted for household size for rental housing; or</li> <li>2. Eighty (80) percent of area median income at the time of sale adjusted for household size for owner-occupied housing.</li> </ol>	<ul style="list-style-type: none"> <li>▪ This clarifies the definition included in the Code and highlights the definition given the different possible income levels where this can be applied.</li> </ul>
<p>...</p> <p>“Religious organization” means the <u>federally protected practice of a recognized religious assembly, school, or institution that owns or controls real property.</u></p>	<ul style="list-style-type: none"> <li>▪ This definition is provided to clarify the term to be consistent with statute and Department of Commerce recommendations.</li> </ul>
<p>...</p> <p>“STEP housing” means <u>emergency shelter, transitional housing, emergency housing and permanent supportive housing.</u></p>	<ul style="list-style-type: none"> <li>▪ New definition provided to be consistent with Department of Commerce guidelines.</li> </ul>
<p>...</p> <p>“Transitional housing” means a project that provides housing and supportive services to homeless persons or families for up to two (2) years and that has as its purpose facilitating the movement of homeless persons and families into independent living (RCW 84.36.043(2)(c)). <del>Transitional housing does not mean multifamily housing projects with</del> <u>This definition does not apply if fewer than fifty (50) percent of the units in a multifamily project are providing transitional housing.</u></p>	<ul style="list-style-type: none"> <li>▪ Edited for clarity.</li> </ul>

## Chapter 18A.20 ADMINISTRATION

(no change)

## Chapter 18A.30 DISCRETIONARY PERMITS

Original Goal/Policy	Rationale for Change
<p>...</p> <p><b>Article I. Comprehensive Plan Amendment</b></p>	
<p>...</p> <p><b>18A.30.020 Plan amendment procedures – Comprehensive plan.</b></p>	<ul style="list-style-type: none"> <li>▪ This section was difficult to read as a single paragraph, and has been split into subsections for readability.</li> </ul>
<p><u>X.</u> Individual and agency initiated proposals to amend the Lakewood Comprehensive Plan shall be submitted to the Department on forms provided by the City.</p>	

**Original Goal/Policy**

**Rationale for Change**

X. Proposals may be submitted at any time; however, to be considered in the same calendar year, they must be submitted by the deadline set by the City Council, unless otherwise specifically authorized by the City Council.

X. All proposals shall be considered collectively once each year except in the case of an emergency as determined by the City Council (see LMC 18A.30.090, Timing and exemptions).

X. The comprehensive plan amendment calendar shall be approved by the City Council. No fee shall be charged at this proposal stage.

X. The Department shall maintain a log or docket of all such proposals including a summary of the proposal, the principal proponent’s name and address, the date on which the proposal was submitted, and its review status. [Ord. 726 § 2 (Exh. B), 2019.]

...

**18A.30.090 Timing and exemptions.**

A. The City will consider proposed amendments to the comprehensive plan only once each year, except when amendments are adopted as part of:

...

3. The response to an existing emergency, as specified in LMC 18A.30.XXX;

▪ This is included to reference new code language regarding emergency amendments.

...

5. The resolution of an appeal filed with the Growth Management Hearings Board or with a court; ~~or~~

6. The amendment of a capital facilities element that occurs concurrently with the adoption or amendment of the City budget; or

7. An update to the Transit Overlay under Article XX Chapter 18A.50.XXX consistent with changes in transit service.

▪ This is added to ensure that changes in transit can be reflected immediately and do not require waiting for the yearly update.

...

**18A.30.XXX Emergency amendments.**

A. Emergency amendments to the Comprehensive Plan are those required in situations where regulatory action is needed to provide for the immediate protection of public health, safety, and welfare; and when adherence to the annual amendment process would be further detrimental to public health, safety or welfare.

▪ This section has been added to be consistent with [RCW 36.70A.130\(2\)\(b\)](#).  
▪ This provides a definition for an emergency under [RCW 36.70A.130\(2\)\(b\)](#) and [WAC 365-196-640](#). Note that there is no definition of “emergency” in Chapter RCW 36.70A, although this is specifically managed differently from a development moratorium.

B. The process to amend the Comprehensive Plan will be initiated by the City Council upon adoption of a resolution specifying the nature of the emergency.

▪ This is consistent with the process provided in [WAC 365-196-640](#).



**Original Goal/Policy**

**Rationale for Change**

C. Emergency amendments will be assessed by City staff at the direction of Council and reviewed by the Planning Commission at a public hearing consistent with the requirements of LMC 18A.30.030. A subsequent recommendation from the Planning Commission on the proposed emergency amendment will be forwarded to the City Council.

▪ This is consistent with the process provided in [WAC 365-196-640](#).

D. The City Council will evaluate the proposed emergency amendments based on recommendations of the Planning Commission. The Council may take action on the proposed emergency amendment after a public hearing.

▪ This is consistent with the process provided in [WAC 365-196-640](#).

...

**Article III. Cottage Housing**

**18A.30.250 Development standards.**

Cottage housing development shall be subject to the following development standards:

A. Density.

1. In the R1 and R2 zoning districts, cottage housing development shall be allowed a density not to exceed ~~three (3)~~ 1.5 times the base density allowed in the underlying zone.

▪ This has been adjusted given the increases in density required under [RCW 36.70A.635\(1\)\(a\)](#).

~~2. In R3 and R4 zoning districts, cottage housing developments shall be allowed a density not to exceed two (2) times the base density allowed in the underlying zone.~~

▪ This has been removed given the increases in density required under [RCW 36.70A.635\(1\)\(a\)](#).

...

**18A.30.280 Parking.**

A. A minimum of two (2) parking spaces per cottage shall be provided for the entire development. An additional fifteen (15) percent of total required spaces shall be designated for guests. If the lot is within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail or bus rapid transit, no parking is required if adequate provision of on-street parking facilities is available as determined by the Director.

▪ This has been changed to reflect the adjustments in parking requirements for areas located close to major transit stops as per [RCW 36.70A.635\(6\)\(d\)](#). Note that cottage housing is considered "middle housing" under [RCW 36.70A.030\(26\)](#).

...

**Article VIII. Temporary Use Permits**

**18A.30.740 Standards.**

...

E. No temporary use shall occupy a site or operate within the City for more than forty-five days (45) days within any calendar year, except as follows:

...

**Original Goal/Policy**

**Rationale for Change**

3. Hosting the homeless by a religious organization is permitted for a total of six months during a year, with a three-month separation required between continuous hosting terms of a maximum of four months at any one time.

- This is adjusted to account for the requirements on timing included under [RCW 35A.21.360\(d\) and \(e\)](#).

...

**Chapter 18A.40 LAND USES AND INTERPRETATION TABLES**

**Original Goal/Policy**

**Rationale for Change**

**18A.40.010 Purpose.**

The purpose of this chapter is to establish permitted land uses for the City of Lakewood. The use of a property is defined by the activity for which the building or lot is intended, designed, arranged, occupied, or maintained. The use is considered permanently established when that use will be or has been in continuous operation for a period exceeding sixty (60) days, except that in no case shall a transitory accommodation, which may be allowed to operate continuously for a period of up to ~~ninety (90)~~ one hundred twenty (120) days. A use which will operate for sixty (60) days or less, and hosting the homeless by religious organizations, are considered temporary uses and are subject to the requirements of Chapter 18A.30 LMC, Article VIII. All applicable requirements of this code, or other applicable state or federal requirements, shall govern a use located within the Lakewood City limits. [Ord. 756 § 2, 2021; Ord. 726 § 2 (Exh. B), 2019.]

- This is adjusted to account for the requirements on timing included under [RCW 35A.21.360\(d\) and \(e\)](#).

...

**18A.40.020 Interpretation of land use tables.**

...

F. If a parenthetical designation number "(B)(-)" appears in the box describing the use, or in the box at the intersection of a column and a row, the use is subject to specific development and/or operational requirements which may be in addition to or in place of general requirements of this and other applicable titles. Such use-specific requirements typically follow the table and correspond to the number in the table, although some such requirements, such as those for specialized senior housing, are set forth in separate chapters.

- This has been changed to acknowledge that the designation may differ for the summary table included in this section and provide consistency accordingly.

**Original Goal/Policy**

**Rationale for Change**

G. Any proposed use not listed in the land use table(s) shall be classified by the Director as permitted, conditional, or not permitted, based on the listed use to which the proposed use is most similar. Where there is a question regarding the inclusion or exclusion of a particular proposed use within a particular zoning district, use category, or use type, the Director shall have the authority to make the final determination. If the Director determines that the proposed use is not similar to any use in the land use table(s), the proposed use shall not be permitted.

~~The determination of the Director shall be appealable to the Hearing Examiner as set forth in Chapter 18A.20 LMC, Part IV.~~

~~The Director shall report interpretation decisions to the Planning Commission when it appears desirable and necessary to amend this title.~~

- This has been split between different subsections to aid in readability.

X. The determination of the Director shall be appealable to the Hearing Examiner as set forth in Chapter 18A.20 LMC, Part IV.

- This has been added as noted above.

X. The Director shall report interpretation decisions to the Planning Commission when it appears desirable and necessary to amend this title.

- This has been added as noted above.

...

X. Summary Land Use Table. This table provides a summary of the land use tables included in this chapter, excluding open space. In cases where there are differences between this table and other land use tables in this chapter, the other table will take precedence. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts.

[ NEW TABLE + FOOTNOTES ]

- This summary table has been added at the request of the city. Two points will need to be considered with managing this section going forward:

First, if this is essentially a duplicate chart in the code, there will be a need to ensure that there are no conflicts between this table and the individual use tables. (And that any conflicts can be resolved clearly, as noted in this provision.)

Second, the land uses included specifically for parks and open space do not map well to other categories and should be treated differently.

Over the longer term, the city may consider consolidating Chapter 18A.40 to only include the summary table, but this would likely involve a more detailed review of code references in the document which would be challenging to manage as part of changes from a Comprehensive Plan update.

**18A.40.060 Essential public facilities.**

A. Essential Public Facilities Land Use Table. See LMC 18A.40.060(B) for development and operating conditions. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts.

[ TABLE ]

- This table has been edited to include “Organic materials (OM) management facilities”, as per [RCW 36.70A.142](#). Note that while this is not required until January 1, 2025, this should be included if these developments regulations are not updated by that point.

B. Development and Operating Conditions.

...

**Original Goal/Policy**

**Rationale for Change**

2. Except for special needs housing, existing electrical transmission lines of higher voltage than 115 kV, and military installations, essential public facilities shall require a conditional use permit. In addition to the regular conditional use permit review criteria, the following shall apply:

...

g. Distribution of Essential Public Facilities. In considering a proposal, the City shall examine the overall distribution of essential public facilities within greater Pierce County to avoid placing an undue burden on any one community, especially overburdened communities as defined under RCW 70A.02.010(11).

- This provides an update that explicitly includes a mention of "overburdened communities" as defined under [RCW 70A.02.010\(11\)](#). This is consistent with objectives in the Comprehensive Plan to manage racially disparate impacts in the community.

...

k. Proposed Impact Mitigation. The proposal must include adequate and appropriate mitigation measures for the impacted area(s) and community(ies), including consideration of overburdened communities. Mitigation measures may include, but are not limited to, natural features that will be preserved or created to serve as buffers, other site design elements used in the development plan, and/or operational or other programmatic measures contained in the proposal. The proposed measures shall be adequate to substantially reduce or compensate for anticipated adverse impacts on the local environment.

- This provides an update that explicitly includes a mention of "overburdened communities" as defined under [RCW 70A.02.010\(11\)](#). This is consistent with objectives in the Comprehensive Plan to manage racially disparate impacts in the community.

**18A.40.110 Residential uses.**

A. Residential Land Use Table. See LMC 18A.40.110(B) for development and operating conditions. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts.

[ TABLE ]

- Additional allowances for middle housing types are provided to ensure compliance with [RCW 36.70A.635\(5\)](#).
- Duplex/triplex uses have been adjusted to allow them to be accommodated across all residential zones.
- Four- to sixplex uses have been separated from other multifamily uses to allow them to be accommodated across all residential zones to meet requirements under [RCW 36.70A.635\(5\)](#).

B. Operating and Development Conditions.

1. Accessory dwelling units (ADUs) are permitted when added to, created within, or detached from a principal dwelling unit subject to the following restrictions:

a. ~~One (1)~~ Up to two (2) ADUs shall be allowed as ~~an~~ accessory uses in conjunction with any detached single-family structure, duplex, triplex, townhome, or other housing unit. ADUs shall not be included in the density calculations. A lot shall contain no more than ~~one two (12)~~ ADUs.

- This has been updated to consider requirements under [RCW 36.70A.681\(1\)\(c\)](#).

Original Goal/Policy	Rationale for Change
<p>x. <u>Lots designated with critical areas or their buffers shall be allowed up to one (1) ADU as an accessory use in conjunction with any detached single-family structure, duplex, triplex, townhome, or other housing unit.</u></p>	<ul style="list-style-type: none"> <li>This considers the exception under <a href="#">RCW 36.70A.681(4)</a>, and ensures that larger lots that may have more than one ADU.</li> </ul>
...	
<p>e. <del>An ADU shall be designed to maintain the appearance of the principal dwelling as a single-family residence.</del></p>	<ul style="list-style-type: none"> <li>This considers the limitation on design requirements under <a href="#">RCW 36.70A.681(f)(h)</a>.</li> </ul>
...	
<p>g. The design of an attached ADU, including the facade, roof pitch and siding, shall be complementary to the principal dwelling unit, <del>so as not to be obvious from the outside appearance that it is a separate unit from the principal dwelling unit.</del></p>	<ul style="list-style-type: none"> <li>This considers the limitation on design requirements under <a href="#">RCW 36.70A.681(f)(h)</a>.</li> </ul>
<p>h. A minimum of one (1) off-street parking space shall be required for the ADU, in addition to the off-street parking required for the principal dwelling, pursuant to LMC 18A.80.030(F). Such parking shall consist of a driveway, carport, garage, or a combination thereof, located on the lot they are intended to serve.</p>	<ul style="list-style-type: none"> <li>Note that this is consistent with <a href="#">RCW 36.70A.681(2)</a>.</li> </ul>
<p>i. For lots located within one-quarter (1/4) mile of a Pierce Transit bus route; <del>or one-half (1/2) mile of the Sound Transit Lakewood Station, commuter rail or bus rapid transit stop, or other major transit stop providing fixed route service at intervals of at least fifteen minutes for at least five hours during weekday peak hours, and also zoned R1, R2, R3, R4, MR1, MR2, MF1, MF2, or TOC,</del> off-street parking <del>for an ADU may</del> shall not be required provided there is adequate street capacity <del>as determined by the Director, and there is curb, gutter, and sidewalk, constructed to City standards, adjoining the lot where an ADU is proposed. Parking may be required.</del> Adequate street capacity is present if the ADU is in an area with <del>a lack of</del> access to street parking capacity, <del>no</del> physical space impediments, <del>or</del> <u>and no</u> other reasons to <del>support</del> <u>indicate</u> that on-street parking is infeasible for the ADU.</p>	<ul style="list-style-type: none"> <li>This retains the existing relaxation of parking requirements, and includes the conditions under <a href="#">RCW 36.70A.681(f)(c)</a>.</li> </ul>
...	
<p>k. <del>Where the residential accessory building is detached from an existing single family structure, the building height shall be limited to twenty four (24) feet.</del></p>	<ul style="list-style-type: none"> <li>This is not permitted under <a href="#">RCW 36.70A.681(f)(g)</a></li> </ul>
...	
<p>x. <u>Discrete ownership of an ADU may be created through the residential binding site plan and/or condominium declaration process pursuant to Chapter 17.30 LMC and Chapter 64.34 RCW as applicable.</u></p>	<ul style="list-style-type: none"> <li>This ensures that there is clarity that this is not prohibited under <a href="#">RCW 36.70A.681(f)(k)</a>. Note that no changes to subdivision/condo regulations have been proposed, as the process may align with the current framework.</li> </ul>

2. Standards – Boarding House.

**Original Goal/Policy**

**Rationale for Change**

a. Parking Requirements. At a minimum, there must be one (1) off-street parking stall per occupant, or 0.75 space per room if the lot is within one-quarter (1/4) mile of a commuter rail or bus rapid transit stop. An owner may reduce the off-street parking requirement if an affidavit is signed that an occupant does not own a vehicle.

▪ This relaxation of parking requirements is intended to generally align with [RCW 36.70A.620](#).

**18A.40.120 Special needs housing.**

....

B. Special Needs Housing Table. See subsection C of this section for development and operating conditions. See LMC 18A.10.120(D) for the purpose and applicability of zoning districts. ~~See Chapter 18A.50 LMC, Article III, for the emergency housing and emergency shelter overlay (EHESO) district map.~~

▪ Mention of the EHESO is removed, as the underlying zoning designations meet the necessary requirements.  
▪ Edits to the table are provided to include special needs housing in additional areas and remove type 4 and 5 group homes from areas as defined in the Subarea Plans.

[TABLE]

C. Development and Operating Conditions.

5. General Development and Operating Conditions – Emergency Housing, Emergency Shelter, Permanent Supportive Housing, and Transitional Housing Development and Operation Conditions.

a. Purpose and Applicability.

...

ii. Supportive housing facilities are allowed in all residential districts, provided they are of a similar scale as surrounding development (e.g., lot coverage, setbacks, impervious surface requirements, building height, etc.) ~~As the needs of residents increase and/or the size of the facilities increase, such facilities should be located within areas of the City that allow increasing intensity of use and are in proximity of services in accordance with state law.~~

▪ This has been edited for clarity.

b. Performance Standards.

i. General Requirements for Emergency Housing, Emergency Shelter, Permanent Supportive Housing, and Transitional Housing Operations and Development Conditions.

(a) General.

(vi) All facilities must comply with the provisions of crime prevention through environmental design (CPTED) under LMC 18A.60.090, 18B.500.530 or 18C.500.530 as applicable and permitted under state law. ~~provided, however, that existing buildings being converted to emergency housing, emergency shelter, permanent supportive housing or transitional housing shall not be required to make structural changes solely to comply with CPTED unless the relevant structural elements of the building are being altered as part of the conversion.~~

▪ Edited to indicate that CPTED requirements are suggested in all areas and required where state law does not prohibit them.  
▪ Separated the final sentence to a new provision below.

**Original Goal/Policy**

**Rationale for Change**

(x) Existing buildings being converted to emergency housing, emergency shelter, permanent supportive housing or transitional housing shall not be required to make structural changes solely to comply with CPTED requirements unless the relevant structural elements of the building are being altered as part of the conversion.

- Separated for readability.

...

ii. Special Conditions for Emergency Housing and Emergency Shelters. In addition to the requirements under subsection (C)(5)(b)(i) of this section, emergency housing and emergency shelters are required to comply with the following:

(a) Facility Standards.

(i) No ~~special needs housing~~ emergency housing or emergency shelter may be located within an eight hundred eighty ~~one thousand (1,000)~~ 880 foot radius of another property with emergency housing or an emergency shelter unless sponsored by the same governmental, religious, or not-for-profit agency.

- Per [Commerce HB 1220 guidance \(Book 2\)](#), maximum spacing should not exceed 880 feet.
- Note that this excludes other “special needs housing”, which may encompass a broader range of housing types outside (ii).

(ii) Emergency housing and emergency shelters must meet all federal, state, county and local requirements to ensure housing safety and habitability, including occupancy requirements under the fire code.

- This is included to highlight the potential role for using the fire code to enforce occupancy requirements.

~~(ii) In residential zones, no more than one (1) adult bed per two hundred fifty (250) square feet of floor area is allowed per facility. For the purposes of this section the following zones are considered residential zones: R1, R2, R3, R4, MR1, MR2, MF1, MF2, and MF3.~~

- The definition of “reasonable occupancy requirements” under [RCW 35A.21.430](#) has not been included. Relying on capacity limitations under the fire code as indicated above may have a stronger foundation if these requirements are identified as being arbitrary.

~~(iii) In all other zones, no more than one (1) adult bed per thirty five (35) square feet of floor area is allowed per facility.~~

- The definition of “reasonable occupancy requirements” under [RCW 35A.21.430](#) has not been included. Relying on capacity limitations under the fire code as indicated above may have a stronger foundation if these requirements are identified as being arbitrary.

...

iii. Special Conditions for Permanent Supportive and Transitional Housing. In addition to the requirements under subsection (C)(5)(b)(i) of this section, permanent supportive housing and transitional housing are required to comply with the following:

(a) Facility Standards.

(i) In residential zones, individual facilities ~~shall not have more than eighty (80) dwelling units and~~ are subject to the density standards of residential uses allowed in the zone where the facility is located. For the purposes of this section the following zones are considered residential zones: R1, R2, R3, R4, MR1, MR2, MF1, MF2, and MF3.

- The definition of “reasonable occupancy requirements” under [RCW 35A.21.430](#) has not been included. Relying on capacity limitations under the fire code as indicated above may have a stronger foundation if these requirements are identified as being arbitrary.



Original Goal/Policy	Rationale for Change
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...

## Chapter 18A.50 OVERLAY DISTRICTS

Original Goal/Policy	Rationale for Change
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...

**Article XX. Transit (T)**

- This section implements the increased density identified under [RCW 36.70A.635](#).

**18A.50.XXX Purpose.**

To provide additional density in locations with frequent transit service to encourage the use of multimodal transportation options, the Comprehensive Plan defines an overlay area where additional density is allowed close to major transit stops, defined as within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail or bus rapid transit.

- This links to the requirements under [RCW 36.70A.635](#) and the definition under the Comprehensive Plan

**18A.50.XXX Applicability.**

This article applies at the developer's discretion to land use applications for duplexes and multifamily housing in Residential (R) zoning districts generally within one-quarter (1/4) mile of major transit stops as defined above. The Council has the discretion of changing the boundaries of the overlay to consider access to transit stops and consistency of the boundaries of the overlay.

- This is aligned with the requirements under [RCW 36.70A.635](#). Note that other districts where housing is allowed can generally include more than four units per acre.

**18A.50.XXX Provisions.**

A. For lots located within the Transit Overlay, additional development densities of at least four (4) units per lot are allowed as a maximum base density as per the provisions of RCW 36.70A.635(1)(a)(ii) and LMC 18A.60.030.

- While this is aligned with the requirements under [RCW 36.70A.635](#), this needs to be careful as the provisions of LMCC 18A.30.090(A) and (B) include allowable housing as units per acre and not as units per lot.

B. The timing of updates to the Transit Overlay under the Comprehensive Plan and Municipal Code may be managed under LMC 18A.30.090(A).

- Note that adjustments to this overlay should be made due to the availability of transit and not the

## Chapter 18A.60 SITE PLANNING AND GENERAL DEVELOPMENT STANDARDS

Original Goal/Policy	Rationale for Change
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...

**18A.60.030 Residential area and dimensions.**

A. Development Standards Table.

[ TABLE ]

- This table is changed to account for the increased density required under [RCW 36.70A.635](#). The conditions are specified under (B)(1)(a) below.

**B. Specific Development Conditions.**

**1. Residential (R) Maximum Density**

## Original Goal/Policy

## Rationale for Change

a. Maximum density requirements for Residential (R) zoning districts are listed as three figures, which are interpreted as follows:

i. The first number refers to the maximum housing density (excluding accessory dwelling units) permitted on lots where additional affordable units are provided according to LMC 18A.90.XXX or is located within the Transit Overlay as defined in Article XX Chapter 18A.50 LMC, and do not include critical areas or their buffers as defined under Title 14 LMC.

ii. The second number refers to the maximum housing density (excluding accessory dwelling units) permitted on lots that do not include critical areas or their buffers.

iii. The third number refers to the maximum housing density (excluding accessory dwelling units) permitted on lots that include critical areas or their buffers.

b. For all Residential (R) zoning districts, a minimum of two (2) housing units per lot (excluding accessory dwelling units) are allowed on all lots that meet minimum lot size requirements and do not include critical areas or their buffers, or four (4) housing units per lot where additional affordable units are provided according to LMC 18A.90.XXX or additional units are permitted in locations close to a major transit stop under Article XX Chapter 18A.50 LMC.

▪ This is done as the requirements under [RCW 36.70A.635](#) provide for three different situations: development where affordable housing is provided or it is close to transit, general increases in density under the section, and situations where these requirements do not apply due to critical areas or buffers.

▪ This represents areas where four units per acre are allowed. Note that this is translated into densities based on minimum lot sizes for these areas.

▪ This represents general increases in density to two units per acre. Note that this is translated into densities based on minimum lot sizes for these areas.

▪ Note that these densities are consistent with current values and represent situations where [RCW 36.70A.635](#) does not apply due to critical areas or buffers.

▪ This ensures that the strict requirements of [RCW 36.70A.635](#) are maintained in development regulations.

### 18A.60.040 Commercial area and dimensions.

A. Development Standards Table.

[TABLE]

▪ Densities for the MR zones are increased, as as-of-right densities in R4 zones could exceed them if they are not adjusted.

▪ Densities for TOC and CBD zones are increased to be more consistent with the subarea plans in Titles 18B and 18C, as well as assumptions provided regarding densities.

## Chapter 18A.80 PARKING

### Original Goal/Policy

### Rationale for Change

...

### 18A.60.030 Residential area and dimensions.

...

F. Parking Standards. Note the parenthetical numbers in the matrix identify specific requirements or other information which is set forth following the matrix in subsection (G).

▪ This has been added to remove text information from the table and to be consistent with other tables previously found in the code.

## Original Goal/Policy

## Rationale for Change

[ TABLES ]

- The table has been adjusted for consistency with the format.
- Reduced parking requirements for multifamily housing from [RCW 36.70A.620](#), including very low income, disabled, and senior housing has been incorporated into this table.
- Reduced parking requirements for middle housing under [RCW 36.70A.635\(6\)\(d\)](#) have been incorporated.
- Reduced parking requirements for accessory dwelling units under [RCW 36.70A.681\(2\)](#) have been included.

### X. Additional Provisions.

1. For day care, preschools, and nursery schools, one drop-off loading area must be provided per seven (7) students.

- These provisions were included in the table and have been pulled out separately.

2. Restaurants in hotels and motels are managed as a separate use under parking requirements.

- These provisions were included in the table and have been pulled out separately.

3. Accessory dwelling units within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail, bus rapid transit, or actual fixed route service at intervals of at least fifteen minutes for at least five hours during the peak hours of operation on weekdays, are not required to provide on-site parking spaces if adequate provision of on-street parking facilities is available as determined by the Director.

- This represents considerations for reduced parking requirements for accessory dwelling units under [RCW 36.70A.681\(2\)](#).

4. The requirements for reduced parking for affordable housing include the following:

- This represents considerations for reduced parking requirements for affordable multifamily housing from [RCW 36.70A.620](#).

a. Housing units must be affordable at fifty (50) percent of area median income or lower.

b. The housing unit is located within one-quarter mile of a transit stop that receives transit service at least two times per hour for twelve or more hours per day.

c. A covenant must be registered on title consistent with the requirements in Chapter 18A.90 LMC that will maintain units as affordable for a minimum of fifty (50) years.

5. For middle housing types, housing units that are within one-half (1/2) mile of a major transit stop, defined as a stop for commuter rail or bus rapid transit, are not required to provide on-site parking if adequate provision of on-street parking facilities is available as determined by the Director.

- This represents considerations for middle housing under [RCW 36.70A.635\(6\)\(d\)](#).

### 6. For multifamily housing types:

a. Housing units within one-half (1/2) mile of a transit stop that receives transit service at least two times per hour for twelve or more hours per day are required to provide 0.75 parking spaces per unit or one (1) space per bedroom, to a maximum of two (2) spaces per unit.

- This represents considerations for reduced parking requirements for market-rate multifamily housing from [RCW 36.70A.620](#).

b. At least 10% of the total parking spaces must be set aside for unreserved guest parking.

- These provisions were included in the table and have been pulled out separately.

## Original Goal/Policy

## Rationale for Change

7. In mobile home parks, parking spaces in excess of one (1) per mobile home may be grouped in shared parking areas.

- These provisions were included in the table and have been pulled out separately.

8. For housing units that are specifically for seniors or people with disabilities and are within one-half (1/2) mile of a transit stop that receives transit service at least two times per hour for twelve or more hours per day, no on-site parking is required.

- This represents considerations for reduced parking requirements for senior/special needs multifamily housing from [RCW 36.70A.620](#).

### 18A.80.060 Parking incentives.

A. When residential uses are combined with commercial uses in the same building, parking requirements may be reduced by twenty (20) percent, except when located within the CBD or TOC zoning districts for which parking requirements ~~are~~ may be reduced by thirty-five (35) percent.

- Edited to ensure this is voluntary (if required).

...

H. Phased Reduction of Maximum Parking Standards. One technique for transportation demand management (TDM) is to reduce maximum allowable parking spaces. This reduction in parking can be accomplished by slowly phasing down the maximum allowable number of parking spaces over a period of years. This procedure has advantages of reducing vehicle trips and conserving urban commercial land that can be used for other purposes. However, TDM has the potential to have a significant adverse impact on the jurisdiction's economic development if other reasonable forms of alternative transportation are not available, and should be evaluated accordingly. This technique should be periodically revisited to consider its viability but should not be implemented until its feasibility for Lakewood is established.

- Edited to reinforce that TDM can currently be used if desired.

1. Minimum Optional Guidelines and Maximum Standards. To promote parking reduction, the optional minimum guideline listed in LMC 18A.80.030(F) serves as a suggested parking number but is not mandatory ~~for automobiles except for single family residential development.~~ Applicants will be encouraged to provide less automobile parking than the minimum listed whenever possible based upon TDM, available on-street parking, and the potential for shared parking within walking distance and other factors. The minimum number listed for bicycle parking shall be provided as indicated in the table for both commercial and residential development.

- This is only considered for auto parking spaces. The potential for TDM for single-family housing is possible and should not be excluded completely, but note that this is at the discretion of the Director.

...

4. For large projects where a traffic study is required and the proposal has one hundred (100) or more employees, a comprehensive TDM strategy ~~may be proposed to achieve a reduction in minimum parking listed in LMC 18A.80.030(F)~~ will be a requirement to meet parking needs.

- This makes the provision of a TDM to ensure parking needs are met mandatory if a traffic study is required and the development will include a significant number of employees.

**Original Goal/Policy**

**Rationale for Change**

X. The reduction in parking permitted under TDM shall be commensurate with the permanence, effectiveness and demonstrated reduction in off-street parking demand effectuated by such alternative programs.

Alternative programs that may be considered by the Director under this provision include, but are not limited to, the following:

[LIST]

- Edited for clarity.

**Chapter 18A.90**

**HOUSING INCENTIVES PROGRAM**

**Original Goal/Policy**

**Rationale for Change**

...

**18A.90.050 Inclusionary density bonuses.**

A. Rate and Calculation. In return for the inclusion of ~~a number of "qualified," as defined herein, on-site units dedicated to serving and reserved for occupancy by very low and/or extremely low income, as defined herein, persons, families, or groups~~ qualified affordable units, one (1) additional, on-site market-rate unit is permitted as a bonus for each qualified ~~very low income~~ unit provided that is affordable at fifty (50) percent of area median income or less, and 1.5 additional, on-site market rate units are permitted as a bonus for each qualified ~~extremely low income~~ unit provided that is affordable at thirty (30) of area median income or less, up to ~~a maximum percentage 25%~~ above the maximum density permitted in the underlying zoning district ~~as shown below~~.

~~{ TABLE }~~

B. Duration. Prior to the final approval of any land use application for which density bonuses are being sought, the owner of the affected parcels shall deliver to the City a duly executed covenant running with the land, in a form approved by the City Attorney, requiring that the qualified ~~dwellings units~~ created pursuant to this section shall remain as such for a period of at least twenty (20) years from ~~the commencement date. The covenant shall form an enduring contractual agreement between the owner/applicant and the City. The owner/applicant shall be responsible for the cost of preparing and recording the covenant, and the owner/applicant or subsequent owner(s) or operator(s) shall be responsible for administering the covenant. The commencement date shall be the date that the first lease agreement with a qualified renter becomes effective~~ of the certificate of occupancy or final building inspection.

- 
- 
- Given the provision of two extra market-rate housing units for one affordable unit in Residential zones, limiting the maximum number of affordable units in ARC, MR, and MF zones below 25% would be inconsistent. This provides a uniform 25% for all multifamily zones.
- Revisions to provide consistency in defining bonuses in terms of percent AMI.
- This table has been removed, as per above.
- This shortens the regulation, and provides a date for the commencement of the covenant that is clearer for record-keeping purposes.

## Original Goal/Policy

## Rationale for Change

C. Siting of Units. The qualified units constructed under these provisions shall be integrated and dispersed within the development for which the density bonus is granted. The physical segregation of qualified ~~housing~~ units from unqualified market-rate housing units, or the congregation of qualified ~~housing~~ units into a single physical portion of the development, is prohibited.

- Edited for consistency of term.

D. Size of Units. The size of the qualified units constructed under the provisions of this ~~chapter~~ section shall be proportionate to the size of the units contained in the entire project; e.g., if fifty (50) percent of the units in the project are one (1) bedroom units and fifty (50) percent are two (2) bedroom units, then the qualified units shall be divided equally between one (1) and two (2) bedroom units.

- Minor change to consider that this chapter includes other incentives.

...

G. Exclusivity of Bonus. This incentive cannot be used in conjunction with other density bonuses defined in this chapter.

- This provision ensures that bonuses from the different sections of the chapter cannot be stacked.

### **18A.90.XXX Density bonuses – religious organizations.**

- This section implements the provisions of [RCW 36.70A.545](#). While this is not mandatory, this should be considered as it must be allowed.

A. Calculation. In accordance with RCW 35A.63.300 and 36.70A.545, additional housing density is provided for property developed in partnership with religious organizations where all units are reserved for occupancy by qualified households under subsection (B). The density bonus amounts to an increase of twenty-five (25) percent above the density of the underlying zoning district.

- This bonus is consistent with the bonuses provided above.

B. Qualified Households. A household may qualify for housing units under this section if:

1. For rental units, the household has an income of sixty (60) percent of area median income, adjusted for household size; or

- This provision has a lower income threshold for rental housing.

2. For ownership units, the household has an income of eighty (80) percent of area median income at the time of sale, adjusted for household size.

C. Qualified Projects. An affordable housing development is allowed to receive the bonus described in subsection (A) provided that:

1. All housing units in the project are qualified units set aside for or occupied exclusively by qualified households as defined in subsection (B);

2. The affordable housing development is part of a lease or other binding obligation that requires the development to be used exclusively for affordable housing purposes for at least fifty (50) years from the date of the certificate of occupancy or final building inspection, even if the religious organization no longer owns the property; and

- Note that the 50-year duration is the minimum required under [RCW 36.70A.545\(1\)\(b\)](#).

## Original Goal/Policy

## Rationale for Change

<p><u>3. The affordable housing development does not discriminate against any person who qualifies as a member of a low-income household based on race, creed, color, national origin, sex, veteran or military status, sexual orientation, or mental or physical disability; or otherwise act in violation of the Federal Fair Housing Amendments Act of 1988 (42 U.S.C. Sec. 3601 et seq.).</u></p>	<ul style="list-style-type: none"><li>▪ This is required under <a href="#">RCW 36.70A.545(1)(c)</a>.</li></ul>
<p><u>D. Rehabilitated Property. The bonus may be applied to the rehabilitation of an existing property.</u></p>	<ul style="list-style-type: none"><li>▪ This is required under <a href="#">RCW 36.70A.545(6)</a>.</li></ul>
<p><u>E. Resale of Owner-Occupied Units. Subsequent to the initial sale of a unit, a household purchasing a unit in a qualified project must also be considered a qualified household under subsection (B).</u></p>	<ul style="list-style-type: none"><li>▪ This is included to ensure long-term affordability of ownership units after the initial sale. While it is not required, it is good practice to ensure that these units are maintained as affordable.</li></ul>
<p><u>F. Covenant on Title. Prior to the final approval of any land use application for which the density bonus is being sought under this section, the owner of the affected parcels shall deliver to the City a duly executed covenant recorded on title in a form approved by the City Attorney stipulating the conditions provided under this section.</u></p>	<ul style="list-style-type: none"><li>▪ This is included to ensure long-term affordability of rental units, even if the project is transferred to another property owner.</li></ul>
<p><u>G. Exclusivity of Bonus. This incentive cannot be used in conjunction with other density bonuses defined in this section.</u></p>	<ul style="list-style-type: none"><li>▪ This provision ensures that bonuses from the different sections of the chapter cannot be stacked.</li></ul>
<p><b><u>18A.90.XXX Density bonuses – residential districts.</u></b></p>	<ul style="list-style-type: none"><li>▪ This provision implements the bonus density provided under <a href="#">RCW 36.70A.635(1)(a)(iii)</a>.</li></ul>
<p><u>A. Calculation. In accordance with RCW 36.70A.635, additional housing density is provided for all lots in Residential (R) districts where units are reserved for occupancy by qualified households under subsection (B). This density bonus is defined in LMC 18A.60.030(A).</u></p>	<ul style="list-style-type: none"><li>▪ This connects this measure to the relevant code.</li></ul>
<p><u>B. Qualified Households. A household may qualify for housing units under this section if:</u></p>	
<p><u>1. For rental units, the household has an income of sixty (60) percent of area median income, adjusted for household size; or</u></p>	<ul style="list-style-type: none"><li>▪ This provision has a lower income threshold for rental housing versus owner-occupied housing. This bonus is limited to 80% of AMI under <a href="#">RCW 36.70A.545</a>.</li></ul>
<p><u>2. For ownership units, the household has an income of eighty (80) percent of area median income at the time of sale, adjusted for household size.</u></p>	<ul style="list-style-type: none"><li>▪ This maintains the income limit for owner-occupied units.</li></ul>
<p><u>C. Qualified Projects. An affordable housing development is allowed to receive the bonus described in subsection (A) provided that:</u></p>	
<p><u>1. At least twenty-five (25) percent of housing units in the development are qualified units set aside for or occupied exclusively by qualified households as defined in subsection (B);</u></p>	<ul style="list-style-type: none"><li>▪ This adapts the requirement for one unit per lot as affordable to situations where larger lots could accommodate more housing units under a density-based measure.</li></ul>
<p><u>2. The qualified units are part of a lease or other binding obligation that requires them to be used exclusively for affordable housing purposes for at least fifty (50) years from the date of the certificate of occupancy or final building inspection;</u></p>	<ul style="list-style-type: none"><li>▪ This is included to ensure long-term affordability of ownership units after the initial sale. While it is not required, it is good practice to ensure that these units are maintained as affordable.</li></ul>



## Original Goal/Policy

## Rationale for Change

3. Qualified units have the same style and architectural character and utilize the same building materials as market-rate units;

- This ensures that the affordable units are not substantively different from market-rate units.

4. The proportions of qualified units by size constructed under the provisions of this section shall be consistent with the proportion of units by size that are not qualified; and

- This ensures that the affordable units are not substantively different from market-rate units.

5. The lot does not include a critical area or buffer as defined under Title 14 LMC.

- This excludes lots with critical areas from consideration as per [RCW 36.70A.545\(8\)\(a\)](#).

D. Rounding. For the calculation of required units reserved as qualified units under subsection (C)(1), all fractions are rounded up.

- This adapts the requirement for one unit per lot as affordable to situations where larger lots could accommodate more housing units under a density-based measure.

E. Resale of Owner-Occupied Units. Subsequent to the initial sale of a unit, a household purchasing a qualified unit must also be considered a qualified household under subsection (B).

- This is included to ensure long-term affordability of ownership units after the initial sale. While it is not required, it is good practice to ensure that these units are maintained as affordable.

F. Covenant on Title. Prior to the final approval of any land use application for which the density bonus is being sought under this section, the owner of the affected parcels shall deliver to the City a duly executed covenant recorded on title in a form approved by the City Attorney stipulating the conditions provided under this section.

- This is included to ensure long-term affordability of units. While it is not required, it is good practice to ensure that these units are maintained as affordable.

G. Exclusivity of Bonus. This incentive cannot be used in conjunction with other density bonuses defined in this section.

- This provision ensures that bonuses from the different sections of the chapter cannot be stacked.

### **18A.90.060 Development standard modifications.**

~~In order to accommodate bonus housing units awarded under this program, the~~ The development standards set forth separately in this code may be modified as follows ~~for properties containing qualified housing units for~~ projects receiving bonus housing units under this chapter:

- This clarifies that these changes to development standards are specific to projects receiving bonuses under this chapter.

...

B. Parking Requirements. For ~~multifamily developments containing qualified housing~~ qualified projects, the percentage of compact parking stalls may be increased up to fifty (50) percent of the total required parking. In addition, for multifamily developments containing qualified housing dedicated to extremely-low-income, as defined herein, persons, families, or groups, the number of required parking stalls serving such units shall be reduced by fifty (50) percent.

- Edited to streamline the requirements as the provision for qualified housing is tied to the overall section requirements.

C. In circumstances where housing serving qualified ~~populations~~ households is located within one quarter (1/4) mile of transit routes and can be shown to generate significantly lower-than-average parking demand, parking requirements may be further reduced at the Director's discretion. The applicant shall be responsible for preparing any additional studies or evaluation required to provide evidence of demand.

- Edited for consistency of terms.

...

**18A.90.070 Fee reduction.**

~~In order to further stimulate the provision of qualified units under this program, review~~ Review fees for land use applications and building permits for properties containing ~~housing-qualifying units dedicated to serving very low income and/or extremely low income, as defined herein, persons, families, and groups~~ shall be reduced by the percentage shown below at the time of application ~~based on the number of qualified units and maximum incomes for qualified households expressed as a percent of area median income (adjusted for size)~~. Discounts shall be applicable to the entire scope of the application, ~~including both standard and qualified units, and shall correspond to the percentage of dedicated qualified units in the overall project~~. For properties containing both levels of qualified units, the highest discount shall apply. For projects dedicating in excess of fifty (50) percent of units to qualified housing, a standard seventy-five (75) percent discount shall apply. Any available refunds for applications withdrawn in progress shall also be discounted correspondingly.

- This text has been edited to maintain consistency with the other sections of this chapter.

[ TABLE ]

- Note that the table has been edited to be consistent with the text above.

## Chapter 18A.95 WIRELESS SERVICE FACILITIES

(no change)

## Chapter 18A.100 SIGNS

(no change)

# Title 18B DOWNTOWN DEVELOPMENT CODE

## Chapter 18B.100 DOWNTOWN DISTRICT

(no change)

## Chapter 18B.200 LAND USE AND ZONING

Original Goal/Policy	Rationale for Change
...	
<b>18B.200.220</b> <b>Uses.</b>	
A. All residential uses, civic uses, and commercial uses and their respective uses and their related accessory uses as defined in Chapter 18A.40 LMC are permitted within the Downtown District, except in the Low-Impact Mixed-Use Roads district. Permitted uses are subject to the approval of all required development permits; provided, that the following uses are prohibited:	
...	
9. Special Needs Housing.	
a. Hospice Care Center.	
<del>b. Type 4 Group Home.</del>	▪ This use has been removed from consideration in these areas in the land use tables in Chapter 18A.40.
<del>c. Type 5 Group Home.</del>	▪ This use has been removed from consideration in these areas in the land use tables in Chapter 18A.40.
...	

## Chapter 18B.300 STREETS AND BLOCKS

(no change)

## Chapter 18B.400 SITE DESIGN, BUILDINGS, AND FRONTAGES

(no change)

## Chapter 18B.500 LANDSCAPING, OPEN SPACE, AND GREEN INFRASTRUCTURE

(no change)

## Chapter 18B.600 PARKING

Original Goal/Policy	Rationale for Change
...	
<b>18B.600.610 Parking.</b>	
A. Off-Street Parking Requirements. The following off-street parking requirements supersede the requirements in Chapter 18A.80 LMC. Uses not listed below must comply with the requirements in Chapter 18A.80 LMC.	<ul style="list-style-type: none"><li>▪ This section has been amended to include bike parking requirements consistent with the general requirements in Chapter 18A.610.</li></ul>

## Chapter 18B.700 ADMINISTRATION

(no change)

# Title 18C STATION DISTRICT DEVELOPMENT CODE

## Chapter 18C.100 STATION DISTRICT

(no change)

## Chapter 18C.200 LAND USE AND ZONING

Original Goal/Policy	Rationale for Change
...	
<b>18C.200.220 Land use.</b>	
A. Allowed and Prohibited Uses. All residential uses, civic uses, and commercial uses and their respective uses and their related accessory uses as defined in Chapter 18A.40 LMC are permitted within the Station District except for those prohibited uses listed below. Permitted uses are subject to the approval of all required development permits. Uses identified as prohibited below that legally existed prior to the adoption of this code are considered nonconforming.	
...	
6. Prohibited uses in the C1 zoning district:	
...	
<del>r. Type 4 group home;</del>	▪ This use has been removed from consideration in these areas in the land use tables in Chapter 18A.40.
<del>s. Type 5 group home;</del>	▪ This use has been removed from consideration in these areas in the land use tables in Chapter 18A.40.
...	

## Chapter 18C.300 STREETS AND BLOCKS

(no change)

## Chapter 18C.400 SITE DESIGN, BUILDINGS, AND FRONTAGE

(no change)

## Chapter 18C.500 LANDSCAPE, OPEN SPACE, AND GREEN INFRASTRUCTURE

(no change)

# Chapter 18C.600 PARKING

Original Goal/Policy	Rationale for Change
<p><b>18C.600.610 Parking.</b></p>	
<p>A. Off-Street Parking Requirements. The following off-street parking requirements supersede the requirements in Chapter 18A.80 LMC. Uses not listed below must comply with the requirements in Chapter 18A.80 LMC.</p>	
<p>[ TABLE ]</p>	
<p>B. Parking Reductions or Increases. The amount of required parking may be reduced or eliminated, or increased above the maximum, based on a site-specific parking study that demonstrates one (1) or more of the following:</p>	
<p>...</p>	
<p>4. Reduction for Housing in Proximity to Sounder Station or Bus Rapid Transit (RCW 36.70A.620). When located within one-quarter (0.25) mile of the Sounder Station, a bus rapid transit stop, or a fixed route transit stop receiving transit service at least four times per hour for twelve or more hours per day, an applicant may apply for an exception allowing minimum parking requirements to be reduced at least to one (1) parking space per bedroom or three-quarters (0.75) space per unit, as justified through a parking study prepared to the satisfaction of the Community Development Director or their designee. <u>At the discretion of the Director, this may require evidence that there is sufficient on-street capacity to accommodate parking requirements.</u></p>	<ul style="list-style-type: none"> <li>This expands these provisions to be consistent with the requirements included under <a href="#">RCW 36.70A.620</a>.</li> </ul>
<p><u>This exemption can apply to the following residential uses:</u></p>	
<p>a. Housing units that are affordable to very low-income or extremely low-income individuals, <u>which may be exempted from parking requirements if serviced by a fixed route transit stop receiving transit service at least twice per hour for twelve or more hours per day;</u></p>	<ul style="list-style-type: none"> <li>This includes the provisions for affordable housing included in <a href="#">RCW 36.70A.620(1)</a> that allow for lower thresholds of transit service.</li> </ul>
<p>b. Housing units that are specifically for seniors or people with disabilities, <u>which may be provided with an exemption for all parking requirements;</u></p>	<ul style="list-style-type: none"> <li>This includes the provisions for senior housing included in <a href="#">RCW 36.70A.620(2)</a> that allow for no parking. Note that parking for staff/visitors may still be required and should be considered as per on-street capacity as noted above.</li> </ul>
<p>c. Market rate multifamily housing.</p>	
<p>...</p>	

# Chapter 18C.700 ADMINISTRATION

(no change)

**TECHNICAL MEMORANDUM**

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Date:	August 2, 2024
To:	City of Lakewood, Planning and Public Works
Cc:	Tiffany Speir, Planning Division Manager
From:	Laura Jones, Environmental Planner Dan Nickel, Principal of Planning
Project Name:	Lakewood SMP 2024

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## Stream Buffers Assessment

### Purpose of Memorandum

In accordance with the Washington State Growth Management Act (GMA), the purpose of this memorandum is to briefly review the applicable Best Available Science (BAS) related to stream buffers and consider recommended changes to the Lakewood Municipal Code (LMC) Title 14: Environmental Protection for the protection of riparian ecosystems. Specifically, this review evaluates the Washington Department of Fish and Wildlife (WDFW) Riparian Management Zone (RMZ) guidance and provides a technical analysis of existing buffers. Further, this technical memorandum is intended to provide an overview of the WDFW RMZ guidance, recommend updates to the Title 14.154.050: Habitat Protection of Rivers and Streams, and document how proposed changes comply with state law (WAC 365-195-915(1)(c)) which requires that when departures from the best available science are made in polices and regulations, scientifically based, reasoned justifications should be provided in the record.

This memo does not review WDFW guidance as it pertains to the Lakewood Shoreline Master Program (SMP), governed by the Shoreline Management Act (Chapter 90.58 RCW). Any locally initiated SMP amendment to update critical area protections within the shoreline jurisdiction will be evaluated separately and consistent with Washington State Department of Ecology procedural guidance.

The City's objective is to be consistent with state laws to ensure no net loss of critical areas functions and values while balancing all state law requirements by identifying a practical and predictable approach to application review of critical area requirements in LMC Title 14.

### *Executive Summary:*

WDFW Guidance recommends that a Riparian Management Zone (RMZ) width (i.e. stream buffer) be set at a minimum distance of 100 feet, to achieve 95% or more removal efficacy of phosphorous, sediment, and most pesticides, and an 80% removal efficacy for nitrogen (Rentz et al. 2020).



Additionally, as demonstrated in Figure 1. *FEMAT Curves*, cumulative effectiveness may be achieved at roughly 75% Site Potential Tree Height (SPTH<sub>200</sub>). The proposed City of Lakewood buffers shown in Table 2 meet the minimum 100-foot width recommendation for Type Np and Ns streams and 75% SPTH<sub>200</sub> for Type F streams. These dimensions should achieve 95% removal of phosphorous, sediment, and most pesticides, and an 80% removal efficacy for nitrogen.

In an analysis of riparian zone ordinances, Wenger and Fowler (2000) support using approaches that allow some flexibility in how policies are implemented on a parcel scale. Whereas variable-width policies provide greater flexibility and adaptability to address site-specific conditions, it is noted that fixed buffer widths are more easily established, require a lesser degree of scientific knowledge to implement, and generally require less time and money to administer (Castelle, 1998). Thus, although stream and riparian conservation measures should be based on BAS, some level of policy interpretation must be made by a local jurisdiction.

The proposed fixed-width buffers will meet or exceed the WDFW SPTH<sub>200</sub> buffers along Chambers Creek and Flett Creek along the northern City limits as well as other small sections of other streams. This should provide enhanced protection of these streams and ensure no net loss of critical habitat or ecological function.

Other streams such as Clover Creek, Ponce De Leon Creek, and sections of stream near Wards Lake are proposed to have a smaller buffer than WDFW's SPTH<sub>200</sub> RMZ model. This should not have a negative impact or result in a net loss of ecological function from the existing condition as these areas of the City are already built out and there is little land available for development. The areas around Lake Louise, Ponce De Leon Creek, and Clover Creek consist primarily of residential uses and utilizing the SPTH<sub>200</sub> RMZ model would likely have little to no benefit over the use of fixed buffers as these areas are already built out. Regulations focused on redevelopment and enhancement of existing buffer conditions may have a higher likelihood to improve riparian ecological functions in the City of Lakewood.

## Regulatory Framework

The Growth Management Act (GMA) requires counties and cities to designate critical areas and adopt policies and regulations for the protection under RCW 36.70A.040 and Washington Administrative Code (WAC) 365-196-830. WAC 365-196-830(2) requires critical areas and ecosystems protection including Fish and Wildlife Habitat Conservation Areas (FWHCA).

Further, RCW 36.70A.172 requires that "*in designating and protecting critical areas under this chapter, counties and cities shall include the best available science in developing policies and development regulations to protect the functions and values of critical areas.*"

Current BAS from WDFW is summarized in the publication, *Riparian Ecosystems, Volume 1: Science Synthesis and Management Implications* (Quinn et al. 2020) with WDFW implementation guidance summarized in the publication, *Riparian Ecosystems, Volume 2: Management Recommendations* (Rentz et al. 2020). To assist in the implementation of the updated guidance, WDFW also released a Riparian

Management Zone Checklist for Critical Areas Ordinances in April 2023 with an addendum in August 2023. The RMZ checklist is intended to be a voluntary technical assistance tool that is supplemented with the Department of Commerce’s CAO Checklist.<sup>1</sup>

WDFW Riparian Ecosystems Volume 2: Management Recommendations (Rentz et al. 2020) states, *“Local governments are encouraged to use information provided through PHS to guide critical area ordinance (CAO) updates and other land use policies, plans, or regulations. More specifically, WDFW advises using the information in this PHS Riparian Volume 2 for designating riparian areas as Fish and Wildlife Habitat Conservation Areas (FWHCAs) and protecting them for their inherent value, rather than just as buffers for rivers and streams. This is because riparian areas are so important for helping sustain endangered, threatened, and sensitive species; providing habitat connectivity for both aquatic and terrestrial wildlife; and for their critical role in protecting salmonid habitat (WAC 365-190-130).”* As current BAS, WDFW’s Volume 1 document must be considered when developing policies and regulations to protect critical area functions and values consistent with criteria under (WAC 365-195-915).

Further, the broader goals of the GMA must also be considered. The GMA includes 13 goals under RCW 36.70A.020 including the topics of urban growth, reduce sprawl, transportation, housing, economic development, property rights, permits, natural resource industries, open space and recreation, environment, citizen participation and coordination, public facilities, and services, as well as historic preservation. In 2023 through HB 1181, the state legislature expanded the GMA goals to 15 by including climate change and resiliency, and shorelines of the state. RCW 36.70A.040 notes GMA’s planning goals are not listed in order of priority and shall be used exclusively for the purpose of guiding the development of comprehensive plans, development regulations and regional planning.

## WDFW Guidance & Riparian BAS Review

### Overview

A Riparian Management Zone (RMZ) is a scientifically based description of the area adjacent to rivers and streams that has the potential to provide full function based on the Site Potential Tree Height (SPTH) (Rentz et. al 2020). RMZ is another term for a stream and its protective buffer. WDFW guidance recommends characterizing RMZs as delineable, regulatory critical areas and designating them as FWHCAs. The guidance recommends jurisdictions incorporate the following into their CAO (Rentz et al. 2020):

- Watershed-scale management considerations;
- Specific guidance for how to delineate a RMZ;
- Include Channel Migration Zones (CMZs) in the delineation of a RMZ;
- Establish a monitoring and adaptative management framework; and
- Consider the needs of relevant terrestrial species.

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<sup>1</sup> [Washington Department of Commerce Growth Management Critical Areas](#) dated December 2022.

In the delineation of a RMZ, WDFW has prepared a SPTH<sub>200</sub> model to establish RMZ widths based on conditions, using soil types. The SPTH<sub>200</sub> of an area is defined as “...the average maximum height of the tallest dominant trees (200 years or more) for a given site class.” (Rentz et al. 2020, as defined by FEMAT, 1993 p. V-34). The SPTH<sub>200</sub> model is supported by WDFW’s GIS-based online mapping tool<sup>2</sup> developed to assist in the determination of the SPTH<sub>200</sub> based on specific ecoregions. The WDFW guidance recommends the SPTH<sub>200</sub> model be applied for determining RMZ widths for all streams, regardless of stream type or size. Based on WDFW’s Volume 1, the guidance suggests that there are no significant differences in riparian ecosystem functions along non-fish-bearing streams relative to fish-bearing streams (Rentz et al. 2020). Riparian functions, for all stream types, include support for aquatic and riparian-obligate wildlife; corridors for wildlife movement; inputs of matter and energy that benefit wildlife habitat; connection between riparian vegetation and geomorphic processes; and cool water contributions to downstream reaches (Rentz et al. 2020). As such, maintaining significant riparian ecosystem functions through increased regulatory protections along non-fish bearing streams will also benefit fish-bearing streams. WDFW guidance further notes impacts of climate change in Washington State including increased stream temperatures that are anticipated to further increase with time. Implementation of the guidance is intended to improve climate resiliency and provide increased protection of riparian ecosystems functions and values.

Where the SPTH<sub>200</sub> or the width of the riparian vegetative community is less than 100 feet, WDFW recommends assigning a RMZ minimum width of 100 feet to provide adequate biofiltration and infiltration of runoff for water quality protection from most pollutants and to consider other habitat-related factors. A 100-foot-wide buffer is estimated to achieve 95% overall pollution removal and approximately 85% surface nitrogen removal to protect water quality (Rentz et al. 2020). WDFW also recommends measuring RMZ widths from the outer edge of the channel migration zone, where present, or from the Ordinary High-Water Mark (OHWM) where a channel migration zone is not present.

Additionally, WDFW guidance emphasizes the importance of watershed-scale management to better achieve ecosystem protection and restoration (Rentz et al. 2020). Anthropogenic changes at the watershed-scale can reduce protection of aquatic habitat and riparian ecosystems functions. For example, stormwater inputs from impervious surfaces without mitigation can increase peak stream flows, alter channel form, and can reduce the capacity of riparian areas to remove pollutants (Rentz et al. 2020). Additionally, culverts that block fish passage can reduce stream network connectivity and in turn reduce available habitat. Policies and regulations should consider watershed-scale protection efforts to improve the protection of ecosystem functions and values.

In April 2023, WDFW released a RMZ Checklist to help jurisdictions review regulations for consistency with the RMZ guidance that was recently amended in August 2023. The RMZ Checklist includes consideration of incorporating standards for RMZ delineation, RMZ width based on water quality and SPTH, habitat connectivity and Priority Habitats and Species protections, mitigation sequencing, restoration incentives, and adaptive management. WDFW recommends maintaining the most

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<sup>2</sup> WDFW RMZ Online Mapping Tool: [Priority Habitats And Species: Riparian Ecosystems and the Online SPTH Map Tool \(arcgis.com\)](https://arcgis.com)

protective provision when regulatory conflicts occur. To support ecosystem functions, WDFW recommends jurisdictions encourage and incentivize riparian restoration that goes 'above and beyond' minimum requirements<sup>3</sup>.

As described in WAC 365-196-380, "Avoidance is the most effective way to protect critical areas. If development regulations allow harm to critical areas, they must require compensatory mitigation of the harm. Development regulations may not allow a net loss of the functions and values of the ecosystem that includes the impacted or lost critical areas." To meet this requirement, the regulations must ensure that no net loss of riparian ecological function is achieved, and that adequate mitigation sequencing is required beginning with avoidance as the first consideration.

### *Buffer Functions & Values*

The intent of critical area policies and regulations are to ensure no net loss of ecological functions and values comply with WAC 365-196-380. This no net loss requirement serves as a benchmark to evaluate BAS and identify gaps by reviewing existing development regulations to determine if updates are needed. The City must also give special consideration to conservation or protection measures necessary to preserve or enhance anadromous fisheries (WAC 365-195-925).

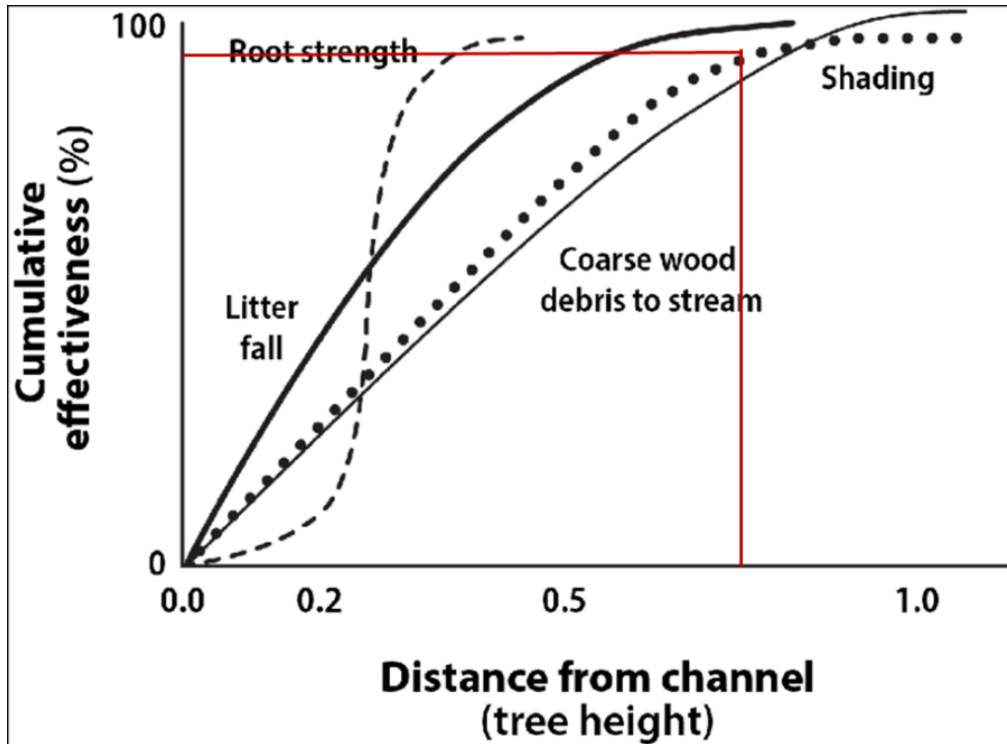
Figure 1 provides a graphical representation of the Forest Ecosystem Management Assessment Team<sup>4</sup> (FEMAT) curves, similar to that included in WDFW's recommendations for establishing the bounds of RMZs (Quinn et al. 2020). The curves show the percentage of full function for riparian habitat attributes with increasing distance from a stream channel. The "FEMAT Curves" are a generalized conceptual model describing contributions of four key riparian ecosystem functions to aquatic ecosystems as the distance from a stream channel increases.

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<sup>3</sup> Recommendations are included in the [WDFW August 2023 RMZ Checklist Addendum](#)

<sup>4</sup> "In 1993, a group of experts (Forest Ecosystem Management Assessment Team [FEMAT]) was convened to develop a conceptual model to determine how to protect riparian areas in forested landscapes. This model has come to be known as the FEMAT curves (FEMAT 1993). Though this model is over 25 years old, it continues to be one of the most useful conceptual models informing riparian management (Rentz et al. 2020)."

Figure 1. FEMAT Curves



Source: FEMAT 1993

Note: "Tree height" refers to average height of the tallest dominant tree (200 years old or greater), referred to as site potential tree height (SPTH).

Rentz et al. (2020) includes this graphic to justify recommending one full SPTH for the width of a RMZ to attain "full" riparian function. An examination of the graphed habitat functions shown in the red intersection lines demonstrates that most of the four referenced functions level off before reaching one full SPTH from the channel, indicating that cumulative effectiveness may be achieved at roughly 75% SPTH. Exceptions to this include coarse wood recruitment, but only a slight improvement of cumulative effectiveness is shown beyond approximately 0.75 SPTH. Where old-growth conditions no longer exist within a buffer or RMZ, up to 200 years would be needed for this added small percentage of habitat benefit to accrue. Figure 1 indicates that the majority of RMZ function is experienced at 70-80% of SPTH, with only slight, if any, improvements beyond that. Cumulative effectiveness can be achieved with a width of no less than 75% of one full SPTH, as is demonstrated by the FEMAT curves, though arguably, some additional small gains for aquatic habitat would be realized even beyond 100% SPTH.

Overall, the highest rates of return on aquatic habitat function generally occur at and near the streambank and diminish from there with distance. However, it is acknowledged that the FEMAT curves only evaluate four ecological functions for the benefit of aquatic species. The WDFW guidance

references that RMZs can also provide habitat for many terrestrial wildlife species including movement corridors and that regulations should consider their protection, as well as aquatic habitat. Since riparian protections benefit both aquatic and terrestrial wildlife species, concentrating protections around riparian areas may be an efficient use of resources (Rentz et al. (2020)).

To evaluate the range of SPTH that would likely be experienced in Lakewood, a random sampling of SPTH values for each predominate tree species in the region were documented to determine the corresponding range of SPTH based on the WDFW web-based mapping tool. It should be acknowledged that the list below is not an exhaustive evaluation. The following ranges of values were found for the range of SPTH in feet for various dominant forest types, with Douglas-fir being the predominant species and red alder present to a lesser extent, predominately along Chambers Creek and Flett Creek.

Table 1. Range of sample SPTH values in Lakewood

Species	SPTH Range
Douglas-fir	187-196 feet
Red Alder	105 feet

Habitat and wildlife corridor functions are critical for supporting endangered, threatened, and sensitive species. These corridors provide habitat connectivity for aquatic and terrestrial wildlife and serve a critical role in protecting salmonid habitat as described in WAC 365-190-130 and WAC 365-195-925.

WDFW categorizes riparian ecosystems as a Priority Habitat. WDFW's Priority Habitats and Species (PHS) program provides recommended designation maps through an online mapping tool<sup>5</sup> and provides performance standards for FWPCA.

Outside of the PHS program, federal protections are also in effect, including the Migratory Bird Treaty Act and the Endangered Species Act (ESA). The ESA provides federal protection for fish, wildlife, and plants that are listed as threatened or endangered species. The ESA also provides methods for adding species to and removing species from the list of threatened and endangered species and prepares and implements plans to aid in their recovery, including the issuance of permits for otherwise prohibited activities.

The WDFW guidance recommends RMZ width be based on the STPH according to site specific conditions, with no less than 100 feet to protect water quality. This 100-foot minimum RMZ width is referenced for the pollution removal function to meet the target of 95% removal for most pollutants. However, there are several variables that impact the overall effectiveness of the riparian area to remove pollutants. Several variables may impact the ability of the RMZ to effectively remove pollutants based on the site-specific conditions, including the type of pollutant, slope, and vegetation structure (Quinn et al. 2020). The WDFW guidance discusses that ecosystem structures and processes responsible for pollutant removal functions of riparian areas are complex, can be spatially and temporally variable, and

<sup>5</sup> [Priority Habitats And Species: Riparian Ecosystems and the Online SPTH Map Tool \(arcgis.com\)](https://www.wdfw.wa.gov/priority-habitats-and-species-riparian-ecosystems-and-the-online-spth-map-tool)

are dependent on site-level environmental conditions (Quinn et al. 2020). As such, the effectiveness of the stream buffers within the City of Lakewood can vary depending on local conditions.

Volume 1 (Quinn et al. 2020) discusses that nearly all research and literature reviews focus on how riparian buffer widths affect pollutant removal efficacy. The primary conclusions include that removal efficacy increases as buffer width increases, topographic slope and vegetation type are strongly correlated with the efficacy of removal, and the relationship between removal efficacy and buffer width is highly variable based on the site conditions (Quinn et al. 2020).

The WDFW Guidance recommends that an RMZ width be set at a minimum distance of 100 feet, to achieve 95% or more removal efficacy of phosphorous, sediment, and most pesticides, and an 80% removal efficacy for nitrogen (Rentz et al. 2020). The guidance emphasizes that the WDFW values nitrogen removal the same as other pollutants, but that literature indicates that the risk of excess nitrogen and efficacy of removal based on the site-specific conditions can be highly variable. To address this, the guidance recommends that in instances where upland uses contribute excess nitrogen, at locations with steep slopes, areas of high land use intensity, or poorly drained soils, increasing the 100-foot minimum pollution removal distance should be considered to provide additional protection of water quality functions (Rentz et al. 2020).

Streams receive surface, subsurface, and groundwater flow inputs. Subsurface and groundwater stream inputs infiltrate the ground prior to discharge. Infiltration is known to provide some pollutant removal through chemical and biological processes, including attachment to soil, microbial degradation, and plant uptake. Some contaminants can move through shallow subsurface soil and groundwater. Pollutant transport rates vary based on site-specific conditions (Quinn et al. 2020).

The state water typing system is described in WAC 222-16-030. The stream types addressed include:

- Type S (Shorelines of the State),
- Type F (Fish bearing streams),
- Type Np (Non-fish perennial streams), and
- Type Ns (Non-fish seasonal streams).

This system is used by many local jurisdictions and state agencies, including WDFW, Washington State Department of Ecology, and Washington Department of Natural Resources (DNR). DNR has prepared water typing maps for the referenced stream types for forested areas of the state based on a multiparameter, field-verified geographic information system (GIS) logistic regression model as described in WAC 222-16-030. The model is used to identify fish habitat by using geomorphic parameters intended to achieve a 95% accuracy in separating fish and non-fish habitat streams. In the case where a stream type is unknown or if there are questions regarding accuracy, field verification is recommended by a qualified consultant or WDFW Habitat Biologist. In the City of Lakewood's 2023 draft CAO update, it was recommended the City incorporate the state's stream typing system.

The recent WDFW guidance suggests shifting away from this typing system and focusing on the SPTH<sub>200</sub> model. However, the state stream typing system will still be utilized for forest practices, determining fish passage culverts/fish presence, as well as federal and other state permitting practices.



Moving away from stream typing all together and transitioning to a soil-based model may cause conflicts. Additionally, eliminating the stream classifications may result in a reduction in standards compared to current conditions for fish bearing streams.

### *WDFW's SPTH<sub>200</sub> Tool Review*

As previously referenced, WDFW's online GIS-based mapping tool provides 200-year SPTH values statewide largely based on ecosystem type. The online tool contains designated SPTH values for forested ecoregions and selected urban areas based on the National Resource Conservation Service (NRCS) soil polygons. However, in areas of dryland ecosystems, the SPTH<sub>200</sub> tool derives a RMZ width based on delineation using three factors including SPTH<sub>200</sub> (if trees are present), the riparian vegetative community, or pollution removal function (WDFW SPTH Tool). There are also areas that have no SPTH<sub>200</sub> values associated with them that must be evaluated at a site-specific level with coordination of a WDFW Habitat Biologist to determine the appropriate RMZ width.

The online tool uses the 200-year site-potential tree height for most species, extrapolated based on soil type. WDFW considers the SPTH as the maximum height attainable within the typical life span for short lived species (maximum age of approximately 100 years).<sup>6</sup>

Challenges encountered when using the WDFW SPTH Mapping Tool include:

- No parcel information.
- NRCS soil data to determine SPTH<sub>200</sub> values are from 1955 and were collected on a regional basis.
- Soil data and associated SPTH information is missing in some areas of the City.
- Channel Migration Zone (CMZ) mapping is integrated.
- Stream data may be less accurate than the other existing GIS databases, particularly for urban areas.
- A single parcel may contain multiple SPTH<sub>200</sub> values, resulting in a variable RMZ widths.
- No implementation guidance is provided to support parcel-specific applications.

The issues above make parcel-specific implementation on a project application basis challenging. A lack of parcel boundaries could lead to interpretation issues or inaccuracies with application to an individual property. The soil data utilized to determine SPTH<sub>200</sub> values is 68 years old and was not conducted for parcel-level accuracy. There are also gaps in soil data in certain areas, resulting in no SPTH<sub>200</sub> provided, and certain soil types do not have an inferred SPTH<sub>200</sub> associated with them. Since the SPTH<sub>200</sub> can vary across a parcel the accuracy of the data is imperative for ensuring state law requirements are met. If the data is inaccurate, lacks precision, or has gaps, this can cause issues with the implementation of RMZ delineations and can lead to variations in effectiveness. The irregular soil class boundaries are also difficult to interpret without an overlay of SPTH<sub>200</sub> values, and additional technical review. These gaps are anticipated to be difficult for landowners and regulatory staff to predict or verify without substantial effort.

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<sup>6</sup> [Priority Habitats And Species: Riparian Ecosystems and the Online SPTH Map Tool \(arcgis.com\)](#)

The WDFW guidance does not include recommendations for how jurisdictions should address all these issues. Where data gaps occur, users are instructed to contact local WDFW Habitat Biologists to determine the RMZ width based on other site conditions. We anticipate this may result in extended permit review times. Additionally, this may also increase the need for subjective interpretations, and increase resources needed to resolve by both WDFW as well as City permit review and enforcement programs. It's also unclear from the guidance what implementation methods WDFW recommends at a project-by-project level and what methods would be applied in those instances to ensure predictability.

The WDFW SPTH<sub>200</sub> model lacks detailed guidance for application of the online tool or a supporting model ordinance. Without detailed guidance, users and jurisdictions have the potential to interpret the tool differently. For example, along streams with more than one dominant tree species, multiple SPTH<sub>200</sub> widths would apply. In these situations, it may be difficult or confusing to determine which SPTH to apply to determine the regulatory RMZ width. Similarly, when RMZ widths change along the length of a stream due to changes in soil types and associated SPTH<sub>200</sub>, it is unclear how the transition would be administered during the permitting process. It is unclear if the delineation boundary when RMZ widths abruptly change should be extrapolated as a perpendicular line or as an arc from the mapped change. This interpretation could meaningfully alter the RMZ on a property and could be applied inconsistently. The guidance also does not note what to do when the RMZ interacts with wetlands, or floodplains as other regulatory requirements will be triggered. This may cause conflicts or interpretation issues at the application level.

## Discussion and Recommendations for CAO Update

The current CAO references the Shoreline Master Program (SMP) for the identification of stream buffers (including lakes and streams) as listed in SMP Chapter 4, Section C, Table II. These current buffer requirements do not consider the state water typing system described in WAC 222-16-030. While the recent WDFW guidance suggests shifting away from the state water typing system and focusing on the SPTH<sub>200</sub> model, it has been recommended under LMC 14.154.050(B) to incorporate this stream typing system to remain in alignment with forest practices, determining fish passage culverts/fish presence, as well as federal and other state permitting practices.

The current buffers outlined in the SMP range from a minimum of 65' in shoreline residential and urban stream protection designations to 150' for conservancy and natural designations. These existing buffer requirements are not in complete alignment with BAS and guidance from WDFW to use a SPTH model that uses parcel specific conditions. However, in an analysis of riparian zone ordinances, Wenger and Fowler (2000) support using approaches that allow some flexibility in how policies are implemented on a parcel scale. Whereas variable-width policies provide greater flexibility and adaptability to address site-specific conditions, it is noted that fixed buffer widths are more easily established, require a lesser degree of scientific knowledge to implement, and generally require less time and money to administer

(Castelle, 1998). Thus, although stream and riparian conservation measures should be based on BAS, some level of policy interpretation must be made by a local jurisdiction.

If fixed-width buffers are implemented, buffers should be sufficiently wide to ensure that riparian buffers are effective under a range of variable conditions and meet the intent of local regulations. The following fixed-width buffers have been recommended based on existing buffers requirements, existing development, WDFW SPTH<sub>200</sub> recommendations, and adaptability of the City to adopt and regulate these buffers.

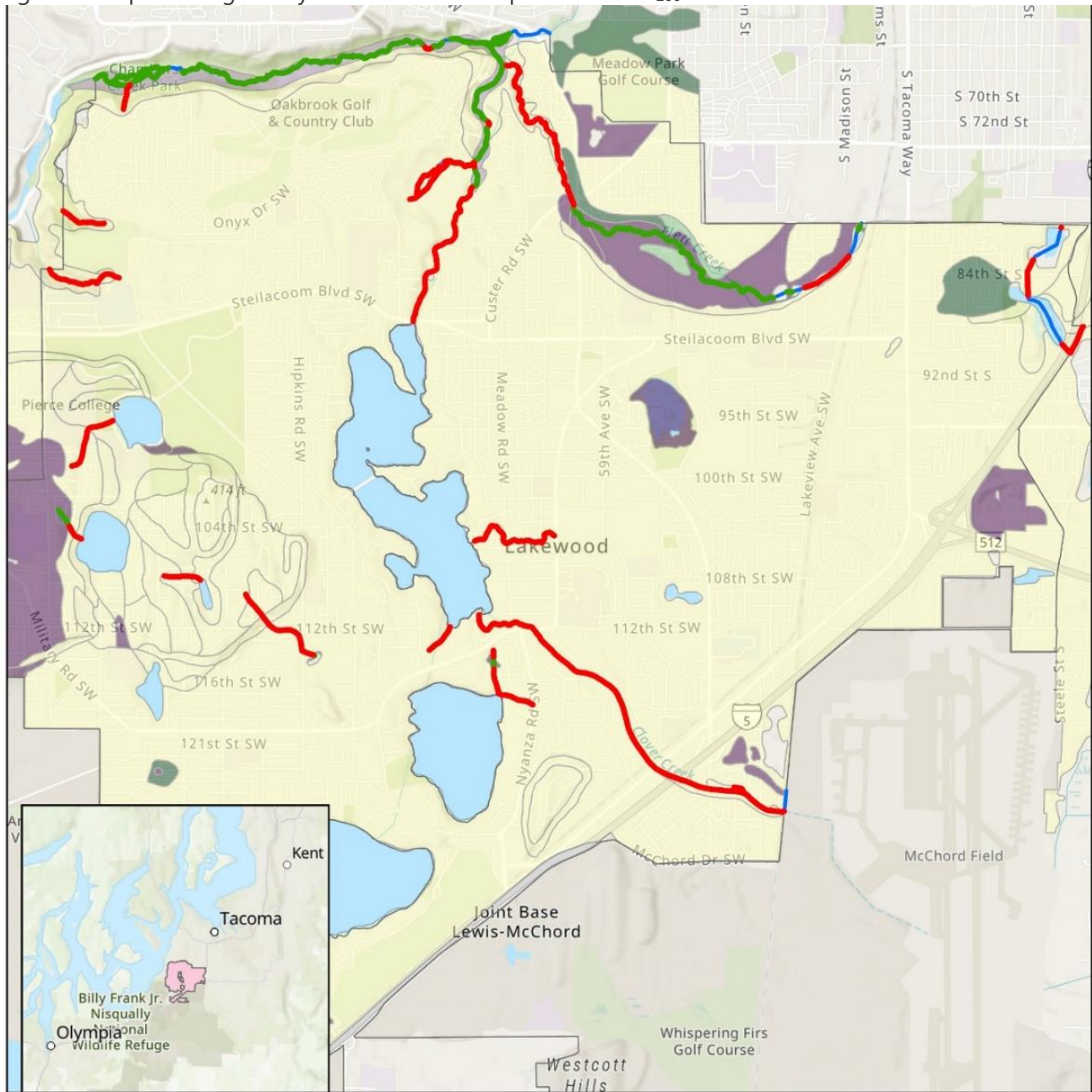
Table 2. Standard buffers from ordinary high water mark of the water body (draft regulations to LMC 14.154.050(B)(1))

<b>Water Type</b>	<b>Standard buffer</b>
Type F Waters	150 ft
Type Np Waters	100 ft
Type Ns Waters	100 ft

As discussed earlier in this memorandum the WDFW Guidance recommends that an RMZ width be set at a minimum distance of 100 feet, to achieve 95% or more removal efficacy of phosphorous, sediment, and most pesticides, and an 80% removal efficacy for nitrogen (Rentz et al. 2020). Additionally, as demonstrated in Figure 1. *FEMAT Curves*, most of the four referenced functions level off before reaching one full SPTH from the channel, indicating that cumulative effectiveness may be achieved at roughly 75% SPTH. The proposed buffers shown in Table 2 meet the minimum 100-foot width recommendation and 75% SPTH<sub>200</sub> for the tallest Douglas-fir sites. While these buffers are below the recommendations from WDFW they still will achieve 95% removal of phosphorous, sediment, and most pesticides, and an 80% removal efficacy for nitrogen while providing a cumulative effectiveness.

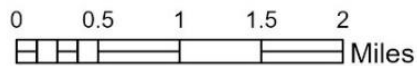
The image below shows an analysis of proposed fixed-width stream buffers versus WDFW SPTH<sub>200</sub> buffer recommendations and stream locations within the City of Lakewood.

Figure 2. Proposed Regulatory Buffer Widths Compared to SPTH<sub>200</sub> RMZ Values



- Streams with out SPTH Value
- 100 Ft (SPTH)
- 101 - 150 Ft (SPTH)
- 151 - 200 Ft (SPTH)
- 201 - 220 Ft (SPTH)
- 221+ Ft (SPTH)
- Regulatory buffer larger than or equal to SPTH RMZ
- Regulatory buffer less than SPTH RMZ
- City Limits

**City of Lakewood**  
Regulatory buffer widths compared to  
SPTH<sub>200</sub> RMZ values



The proposed fixed-width buffers will meet or exceed the WDFW SPTH<sub>200</sub> buffers along Chambers Creek and Flett Creek along the northern limit as well as other small sections of other streams. This should provide enhanced protection of these streams and ensure no net loss of critical habitat or ecologic function.

Other streams such as Clover Creek, Ponce De Leon Creek, and sections of stream near Wards Lake are proposed to have a smaller buffer than the SPTH<sub>200</sub> RMZ model. This should not have a negative impact or result in a net loss of ecological function from existing conditions as these areas of the City are already built out and there is little land available for development. The areas around Lake Louise, Ponce De Leon Creek, and Clover Creek consist primarily of residential uses and utilizing the SPTH<sub>200</sub> RMZ model would likely have little to no benefit over a fixed buffer approach as these areas are already built out. Regulations focused on redevelopment and enhancement of existing buffer conditions may have a higher likelihood to improve riparian ecological functions.

The below table show the miles of streams within the city and how the proposed fixed-width buffers compare to the WDFW SPHT<sub>200</sub> recommended buffers. **Note, in all cases, the stream buffers presented in Table 2 should provide 95% or more removal efficacy of phosphorous, sediment, and most pesticides, and an 80% removal efficacy for nitrogen for all streams in the City of Lakewood with these minimum stream buffer dimensions.**

Table 3. Length of Streams that Meet or Exceed SPTH<sub>200</sub> RMZ Values.

Type	Miles			Feet		
	Meets or exceeds SPTH <sub>200</sub>	Less than SPTH <sub>200</sub>	Grand Total	Meets or exceeds SPTH <sub>200</sub>	Less than SPTH <sub>200</sub>	Grand Total
F	4.8	4.5	9.3	25,317	23,536	48,853
N	0.2	3.7	3.7	1,117	19,326	20,443
Grand Total	5	8.1	13.1	26,433	42,862	69,295

## Conclusions

This technical memorandum is intended to review and summarize approaches to regulating critical area requirements based on the WDFW RMZ Guidance and BAS. The summary of findings and recommendations include:

### Recommendation 1:

- The current Lakewood Municipal Code Title 14 has not adopted the most recent state water typing system.
  - For consistency of application, it is recommended that the existing stream types be updated to the state typing system contained within WAC 222-16-030 and that the stream protections be evaluated to ensure no net loss of ecological function.
- Type S waters should continue to be regulated under the Lakewood Shoreline Master Program (SMP) pursuant to Chapter 90.58.030 RCW as part of Lakewood Municipal Code Title 14

### Recommendation 2:

- For increased consistency with the WDFW guidance, and to provide equivalent or greater riparian protections based on existing conditions, it is recommended the City include the proposed riparian protection area widths provided in Table 2 above, proposed in LMC 14.154.050(B)(1).

Recommendation 2 is supported by the following:

- The riparian protection areas vary by stream classification to allow for predictable and consistent implementation at the permit application level.
- Buffers will protect the inherent value of the FWHCAs.
- If harm to critical areas is anticipated, the LMC requires compensatory mitigation of the harm while requiring no net loss of the functions and values of the ecosystem that includes the impacted or lost critical areas.

## References

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- Rentz, R., A. Windrope, K. Folkerts, and J. Azerrad. 2020. *Riparian Ecosystems, Volume 2: Management Recommendations*. Habitat Program, Washington Department of Fish and Wildlife, Olympia.
- Washington Administrative Code (WAC). *WAC 222-16-010: General Definitions*.  
<https://apps.leg.wa.gov/wac/default.aspx?cite=222-16-010>
- Washington Department of Fish and Wildlife (WDFW). April 2023 (Amended August 2023). *Riparian Management Zone Checklist for Critical Area Ordinances, A Technical Assistance Tool*. (RMZ Checklist). <https://wdfw.wa.gov/sites/default/files/2023-08/rmr-cao-checklistaddendum.pdf>
- Wenger, S.J. and Fowler, L., 2000. Protecting stream and river corridors: creating effective local riparian buffer ordinances. University of Georgia.



## ATTACHMENT F

### **18B.700.720 Master Planned Development – Town Center Incentive Overlay.**

A. *Purpose.* The purpose of a master planned development in the Downtown District Subarea is to provide the developer and the City the opportunity to implement the ~~e~~Downtown ~~p~~Plan in way that could not be achieved through strict application of the standards in this chapter. It also allows for the development of larger, more complex, and multi-phased projects to develop with certainty.

B. *Applicability.* Development within the Town Center Incentive Overlay Downtown Subarea may apply for a master plan for the development of ~~10~~ five (5) or more acres.

**Update all references to the Public Works Engineering Department (PWE) or its Director and the Community & Economic Development Department (CED) or its Director in LMC Titles 14, 16, 17, 18A, 18B, and 18C with references to the Planning & Public Works Department (PPW) or its Director.**