

# REQUEST FOR COUNCIL ACTION

<b>DATE ACTION IS REQUESTED:</b> October 17, 2022	<b>TITLE:</b> Draft Ordinance Establishing a Three-Year Climate Change Work Plan.	<b>TYPE OF ACTION:</b> <input checked="" type="checkbox"/> ORDINANCE NO. 776 <input type="checkbox"/> RESOLUTION <input type="checkbox"/> MOTION <input type="checkbox"/> OTHER
<b>REVIEW:</b> February 12, 2022 October 10, 2022	<b>ATTACHMENTS:</b> A - Planning Commission Resolution 2022-06 B - Approved Climate Change Action Plan Items C - Climate Change Matrix Draft Ordinance, 3-year Work Plan	

**SUBMITTED BY:** Dave Bugher, Assistant City Manager/Community & economic Development Director.

**RECOMMENDATION:** It is recommended that the Mayor and City Council adopt the Draft Ordinance establishing a three-year climate change work plan.

**DISCUSSION:** On July 6, 2021, the Lakewood City Council adopted Ordinance No. 756 approving the slate of comprehensive docket amendments for 2021. One of these amendments included a new Energy & Climate Change Chapter (ECCC) to the City's Comprehensive Plan. The ECCC contained 89-action items. Council expressed concerns that the action items should be more focused.

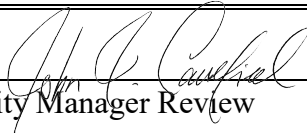
The subject of action items was returned to the Planning Commission. Commission met five times. On January 5, 2022 the Commission recommended a modified three-year work plan, reducing the 89-action items to 32-items.

On February 12, 2022, the City Council reviewed the Commission's recommendations; Council requested additional information from the Commission, including that the work plan be refined with tasks grouped and prioritized, and that targeted metrics, and associated costs be identified.

From March through July, 2022, the Planning Commission met five times to update the recommended Energy & Climate Change Chapter Work Plan. *(Continued on next page.)*

**ALTERNATIVE(S):** City Council has the option to remove/add/modify the list of action items identified in the Draft Ordinance.

**FISCAL IMPACT:** Excluding the South Sound Military Communities Partnership (SSMCP) I-5 Corridor project (\$95M), this proposed work plan represents about a \$900K commitment towards climate change over the next three years. Funds come from a variety of sources including fees, state grants, the City's stormwater account, and some General Fund revenues.

Dave Bugher	
Prepared by	City Manager Review
Department Director	

**DISCUSSION CONTINUED:** On June 20, 2022, the Commission adopted Resolution 2022-06 (Attachment A to this memorandum) that recommends an updated climate change work plan as described in Exhibit A to the Resolution. The Work Plan includes 14 items ranked highest by the following criteria:

- Difficulty/Effort (High, Medium, and Low);
- Priority (Critical, Important, Normal, Low); and
- Financial Considerations (In Budget, Not in Budget, and whether consultant services would be needed.)

The higher the point total assigned an item, the higher the item's ranking in setting the recommended implementation schedule (i.e., those ranked as 11s start first, then 10s, etc.).

The summary table below listing the 14 Work Plan action items includes community partners that will be optimal or essential to successful implementation of each action item. Estimated costs of the recommended items are included where possible, but should not be considered fully accurate. Various funding sources would need to be identified as appropriate for each item.

Several action items are included in the Planning Commission resolution that the City Council did not review previously, including:

- Developing a public engagement plan for climate change actions;
- Advocacy for improvements to the I-5 corridor the Nisqually Delta at both the state and federal levels as a member of SSMCP; and
- The installation of electric vehicle charging stations.

These new additions reflect the rapidly changing environment surrounding climate change programs and funding.

Council Discussion on October 11, 2022, reviewed the list of projects. Council added the promulgation of an urban forestry program to the three-year work plan. Urban forestry had been identified in the ECCC as Item No. 64.

## **ORDINANCE NO. 776**

### **AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF LAKEWOOD, WASHINGTON, ADOPTING A THREE-YEAR ENERGY & CLIMATE CHANGE WORK PLAN.**

WHEREAS, on July 6, 2021, the City Council of the City of Lakewood adopted Ordinance No. 756 approving the slate of Comprehensive Plan docket amendments for 2021; and

WHEREAS, one of these amendments was a new Energy & Climate Change Chapter (ECCC) for the City's Comprehensive Plan; and

WHEREAS, this new Energy & Climate Change Chapter contained 89 +/- implementation measures; and

WHEREAS, in the fall of 2021, the Lakewood Planning Commission began the assignment of narrowing down the number of implementation measures to a more manageable number; and

WHEREAS, the Lakewood Planning Commission discussed the appropriate length of a work plan and settled on a three (3)-year time frame; and

WHEREAS, the Lakewood Planning Commission met five times from October 2021, through January 2022 to develop a three-year work plan; and

WHEREAS, on January 5, 2022, the Lakewood Planning Commission conducted a duly noticed public hearing; and

WHEREAS, on January 5, 2022, the Lakewood Planning Commission closed the public hearing, and on a voice vote, recommended approval of a three-year work plan to the City Council; and

WHEREAS, on February 14, 2022, the Lakewood City Council reviewed the Lakewood Planning Commission's recommendations; and

WHEREAS, after review, Lakewood City Council requested additional information, that the work plan be refined with tasks grouped and prioritized, and targeted metrics and associated costs be identified; and

WHEREAS, on March 30, 2022, the Lakewood Planning Commission met and reviewed the direction of the City Council; and

WHEREAS, the Lakewood Planning Commission desired to prioritize and include: reducing greenhouse gases; address electric charging stations; and identify a means to track and measure annual progress; and

WHEREAS, on May 18, 2022 and July 13, 2022, a revised work plan was presented to the Lakewood Planning Commission for further review and recommendation to the Lakewood City Council; and

WHEREAS, on July 20, 2022, the Lakewood Planning Commission recommended approval of the three-year work plan by adoption of Resolution No. 2022-06; and

WHEREAS, the Lakewood Planning Commission's resolution and other related materials were forwarded to the Lakewood City Council; and

WHEREAS, on October 10, 2022, and October 17, 2022, the Lakewood City Council reviewed the Lakewood Planning Commission's resolution and recommendations.

**NOW, THEREFORE, THE COUNCIL OF THE CITY OF LAKEWOOD, WASHINGTON, DO ORDAIN AS FOLLOWS:**

Section 1. Adopts Exhibit "A" attached hereto, as the City's Three-Year Energy & Climate Change Work Plan.

Section 2. Severability. Should any section, subsection, paragraph, sentence, clause, or phrase of this Ordinance or its application to any person or situation be declared unconstitutional or invalid for any reason, such decision shall not affect the validity of the remaining portions of this ordinance or its application to any person or situation.

Section 3. Publication and Effective Date. A summary of this ordinance consisting of the title shall be published in the official newspaper. This Ordinance shall take effect thirty (30) days after publication.

ADOPTED by the City Council of the City of Lakewood this 17<sup>th</sup> day of October, 2022.

CITY OF LAKEWOOD

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Jason Whalen, Mayor

Attest:

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Briana Schumacher, City Clerk

Approved as to Form:

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Heidi Ann Wachter, City Attorney

**EXHIBIT “A”**  
**THREE YEAR CLIMATE CHANGE WORK PLAN**

2022 ECCC Three year Work Plan #	Implementation Measure*	Category	Partners	Estimated Cost	Total points (D, P, F)	Timeframe
1	Establish (and regularly update) a new climate change chapter to the City's Comprehensive Plan.	ALL: Energy & Built Environment; transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Puget Sound Energy; Tacoma Power; Lakeview Light & Power; Pierce County Sustainability Collaborative	Chapter adopted in 2021 at a cost of around \$20,000 which included a grant from Dept. of Commerce; funding for future updates' through another Dept. of Commerce grant \$50K issued in 2022.	14	Chapter already adopted; except some revisions as part of the 2024 comprehensive plan periodic update.
2	Develop a five-year plan for reducing greenhouse gas emissions. The action plan shall include four-main topics: a comprehensive greenhouse gas emissions inventory and forecast; emissions reduction target(s); Carbon Sequestration targets; & a program for monitoring and reporting out the implementation tasks found in this document.	Energy & Built Environment	Puget Sound Energy; Tacoma Power; Lakeview Light & Power; Pierce County Sustainability Collaborative	New Associate Planner FTE in 2022, with an estimate cost of \$115K. (An existing working group at the state level is in the process of determining specific targets for counties and cities. Materials should be available the beginning of 2023. First five-year plan would be more challenging to develop than subsequent plans.)	12	First five year plan, 2024.
3	Update the City's Non-motorized Transportation Plan (also referred to as Active Transportation Plan).	Transportation	Internal; Pierce College; Clover Park Technical College; Western State Hospital; Pierce College; CPSD; WSDOT; Steilacoom; UP; Tacoma; Pierce County	Contract approved by the City Council, July 18, 2022 in the amount of \$75K.	12	Completed by June 2023.
4	Clover Creek Floodplain Engineering Alternatives Analysis.	Energy & Built Environment	Internal; property owners; Pierce County Public Works & Planning; WA State DOT; FEMA	Contract approved by the City Council, November 1, 2021 in the amount of \$271,377.	12	Completed by November 2022.
5	Review, and as appropriate, update Lakewood Municipal Code (LMC) Title 14, Environmental Protections. Title 14 provides regulations for geologic hazard areas, flood hazard areas, and critical lands and natural resources. Climate	Energy & Built Environment	Washington Department of Ecology; Washington State Department of Commerce	Work is underway in two parts within 2024 Comprehensive Plan Periodic Review: - First part, Title 14 was updated as part of the City's proposed tree preservation regulations. - Second part, 2024 Critical Area	11	First part, adoption scheduled for October 2022.  Second part, June 2024.

2022 ECCC Three year Work Plan #	Implementation Measure*	Category	Partners	Estimated Cost	Total points (D, P, F)	Timeframe
	change impacts may require that new regulations be inserted into this chapter. (Types of critical areas: wetlands; aquifer recharge areas; fish & wildlife conservation; flooded areas; and geologic hazards.)			Regulation update being funded by Dept. of Commerce comprehensive plan periodic review grant.		
6	Work with Pierce County and Pierce County municipalities to develop a regional approach and best practices to address climate change. One strategy: adopt revised climate change Pierce Countywide Planning Policies.	ALL: Energy & Built Environment; transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Pierce County; loose consortium of Pierce County cities	Part of current CED operations. City Council adopted updated Pierce Countywide Planning Policies (CPPs), Motion 2022-62, September 6, 2022. The 2022 CPPs support strategies to slow and mitigate impacts of climate change.	11	Ongoing.
7	Develop a public engagement plan for climate change (and comprehensive plan periodic update.)*	Education & Outreach	University of Washington, Evans School of Public Policy & Governance	UW Evans School work completed summer 2022. Creating ECCC engagement plan funded by \$50K Commerce Grant.	11	April 2023.
8	Incorporate an environmental justice assessment into the Energy & Climate Change Chapter work plan.	Education & Outreach	City's communication manager; Korean Women's Association; neighborhood associations; Community Services Advisory Board; Youth Council; Lakewood's Promise; Pierce County Sustainability Collaborative; Tacoma Pierce County Health Department; WA State Department of Health	Part of 2024 Comprehensive Plan periodic review	10	June 2024.
9	Lakewood, as a member of the South Sound Military Communities Partnership (SSMCP), advocate for improvements to the I-5 corridor the	Energy & Built Environment; Transportation	SSMCP partnerships (multiple local, state, federal agencies, and private parties). Governor Inslee, Sen Cantwell and Congresswoman	Initial allocation from state funded grants - \$75M. Part of Move Ahead Washington. SSMCP in-house function.	10	Ongoing.

2022 ECCC Three year Work Plan #	Implementation Measure*	Category	Partners	Estimated Cost	Total points (D, P, F)	Timeframe
	Nisqually Delta at both the state and federal levels. Project has multiple factors: I-5 traffic congestion; sea level rise leading to increased flood risk; salmon habitat degradation; military readiness and national security; environmental remediation; and Treaty rights of the Nisqually Tribe.*		Strickland all support the project as a priority for the state			
10	Revise the Lakewood's tree preservation code.	Energy & Built Environment and Carbon Sequestration	Internal; Ad hoc tree committee	City Council approved one contract plus amendment. Total cost, \$81,550. Tree Code under review by City Council; tentative adoption date, October 17, 2022. Implementation = ~\$150K annually for contract arborist and associate planner FTE	10	Tentative adoption date, October 17, 2022.
11	Explore the feasibility of reducing the City hall footprint from three floors to two floors. (Potentially reducing energy consumption.)	Energy & Built Environment	Internal	Contract approved by the City Council May 20, 2022 in the amount of \$121,863. Feasibility study underway; report to City Council scheduled for December 12, 2022.	10	December 2022/ January 2023
12	Every two years, or as otherwise dictated by Washington State, update LMC Title 15, Buildings and Construction Codes to address hazards resulting from climate change.	Energy & Built Environment	WA State Building Code Council (SBCC); WA Assn. of Building Officials (WABO); Pierce County Master Builders Association; West Pierce Fire & Rescue	CED in-house function, part of existing budget.	10	Ongoing.
13	Support the implementation of the Tacoma-Pierce County Solid Waste Management Plan.	Waste Consumption; Education & Outreach	Pierce County; T-PC Health Department; Waste Connections; other Pierce County cities; Clover Park School District; Western State Hospital; Pierce College; Clover Park Technical College; Saint	CED, CM, Legal, PRCS, PWE in-house function.	10	Ongoing (three-year timeframe)

2022 ECCC Three year Work Plan #	Implementation Measure*	Category	Partners	Estimated Cost	Total points (D, P, F)	Timeframe
			Clare Hospital			
14	Coordinate a regional electric vehicle (EV) infrastructure strategy with neighboring cities, Pierce County and the State*	Energy & Built Environment; Transportation	Pierce County; other Pierce County cities; TPU; PSE, Lakewood Light & Power	As of this writing, the City's involvement will be limited to coordination between energy purveyors, transit providers, and private investors.	10	2023 – 2024
15	Develop/promote an urban forest management/master reforestation plan.	Energy & Built Environment;; Carbon Sequestration; Education & Outreach	Internal	Project would be initiated by the Evans School of Public Policy and Governance. Proposal would be to develop an initial program document. Cost, \$1,800.	N/A – added per City Council direction	2022-2024



**ATTACHMENT A**  
**PLANNING COMMISSION RESOLUTION NO. 2022-06**

**A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF  
LAKEWOOD, WASHINGTON, FORMALIZING ITS RECOMMENDATIONS  
REGARDING ADOPTION OF AN ENERGY & CLIMATE CHANGE WORK PLAN**

WHEREAS, on July 6, 2021, the Lakewood City Council adopted Ordinance No. 756 approving the slate of Comprehensive Plan docket amendments for 2021; and

WHEREAS, one of these amendments was a new Energy & Climate Change Chapter (ECCC) for the City's Comprehensive Plan; and

WHEREAS, this new Energy & Climate Change Chapter contained 89 +/- implementation measures; and

WHEREAS, in the fall of 2021, the Planning Commission began the assignment of narrowing down the number of implementation measures to a more manageable number; and

WHEREAS, the Planning Commission discussed the appropriate length of a work plan and settled on a 3-year time frame; and

WHEREAS, the Planning Commission met five times from October 2021, through January 2022 to develop a 3-year work plan; and

WHEREAS, on January 5, 2022, the Planning Commission conducted a duly noticed public hearing; and

WHEREAS, on January 5, 2022, the Planning Commission closed the public hearing, and on a voice vote, recommended approval of a 3-year work plan to the Lakewood City Council; and

WHEREAS, on February 14, 2022, the Planning Commission's recommendations were forwarded to the Lakewood City Council; and

WHEREAS, after review, Lakewood City Council requested additional information, that the work plan be refined with tasks grouped and prioritized, and targeted metrics and associated costs be identified; and

WHEREAS, on March 30, 2022, the Planning Commission reviewed the direction of the Lakewood City Council; and

WHEREAS, the Planning Commission desired to prioritize and include: reduce greenhouse gases; address electric charging stations; and identify a means to track and measure annual progress; and

WHEREAS, on May 18, 2022 and July 13, 2022, a revised work plan was presented to the Lakewood Planning Commission for further review and recommendation to the Lakewood City Council;

**NOW, THEREFORE, THE LAKEWOOD PLANNING COMMISSION OF THE CITY OF LAKEWOOD, WASHINGTON, DOES RECOMMEND AS FOLLOWS:**

Section 1. Recommends approval to the Lakewood City Council the attached Energy & Climate Change Work Plan.

**PASSED AND ADOPTED** at a regular meeting of the City of Lakewood Planning Commission this 20<sup>th</sup> day of July, 2022, by the following vote:

AYES: 6      Don Daniels, Ryan Pearson, Paul Wagemann, Phillip Combs, Brian Parsons, and Robert Estrada

NOES: 0

ABSTAIN: 0

ABSENT: 1      Linn Larsen

  
DON DANIELS, CHAIR  
PLANNING COMMISSION

ATTEST:

  
KAREN DEVEREAUX, SECRETARY

2022 ECCC Work Plan #	Implementation Measure*	Category	Partners	Total points (D, P, F)
1	Establish (and regularly update) a new climate change chapter to the City's Comprehensive Plan.	ALL: Energy & Built Environment; transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Puget Sound Energy; Tacoma Power; Lakeview Light & Power; Pierce County Sustainability Collaborative	14
2	Develop a five-year plan for reducing greenhouse gas emissions. The action plan shall include four-main topics: a comprehensive greenhouse gas emissions inventory and forecast; emissions reduction target(s); Carbon Sequestration targets; & a program for monitoring and reporting out the implementation tasks found in this document.	Energy & Built Environment	Puget Sound Energy; Tacoma Power; Lakeview Light & Power; Pierce County Sustainability Collaborative	12
3	Update the City's non-motorized transportation plan (also referred to as active transportation plan).	Transportation	Internal; Pierce College; Clover Park Technical College; Western State Hospital; Pierce College; CPSD; WSDOT; Steilacoom; UP; Tacoma; Pierce County	12
4	Clover Creek Floodplain Engineering Alternatives Analysis.	Energy & Built Environment	Internal; property owners; Pierce County Public Works & Planning; WA State DOT; FEMA.	12
5	Review, and as appropriate, update Lakewood Municipal Code (LMC) Title 14, Environmental Protections. Title 14 provides regulations for geologic hazard areas, flood hazard areas, and critical lands and natural resources. Climate change impacts may require that new regulations be inserted into this chapter. (Types of critical areas: wetlands; aquifer recharge areas; fish & wildlife conservation; flooded areas; and geologic hazards.)	Energy & Built Environment	Washington Department of Ecology; Washington State Department of Commerce.	11
6	Work with Pierce County and Pierce County municipalities to develop a regional approach and best practices to address climate change. One strategy: adopt revised climate change Pierce Countywide Planning Policies.	ALL: Energy & Built Environment; transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Pierce County; loose consortium of Pierce County cities	11
7	Develop a public engagement plan for climate change.	Education & Outreach	University of Washington, Evans School of Public Policy & Governance.	11



8	Incorporate an environmental justice assessment into the climate change work plan. (Dependent upon completion of climate perception study.)	Education & Outreach	City's communication manager; Korean Women's Association; neighborhood associations; Community Services Advisory Board; Youth Council; Lakewood's Promise; Pierce County Sustainability Collaborative; Tacoma Pierce County Health Department; WA State Department of Health	10
9	Lakewood, as a member of the South Sound Military Communities Partnership SSMCP), advocate at both the state and federal levels, improvements to the I-5 Nisqually Corridor. Project has multiple challenges: Transportation alternatives for I-5 traffic congestion; Sea level rise leading to increased flood potential; Mitigating salmon habitat degradation; Military readiness and national security; Environmental remediation; Population growth; and Treaty rights of the Nisqually Tribe.	Energy & Built Environment; Transportation	SSMCP partnerships (multiple local, state, federal agencies, and private parties). Governor Inslee, Sen Cantwell and Congresswoman Strickland all support the project as a priority for the state.	10
10	Revise the Lakewood's tree preservation code.	Energy & Built Environment and Carbon Sequestration	Internal; Ad hoc tree committee	10
11	Explore the feasibility of reducing the City hall footprint from three floors to two floors. (Potentially reducing energy consumption.)	Energy & Built Environment	Internal.	10
12	Every two years, or as otherwise dictated by Washington State, update LMC Title 15, Buildings and Construction Codes to address hazards resulting from climate change.	Energy & Built Environment	Washington State Building Code Council (SBCC); Washington Association of Building Officials (WABO); Pierce County Master Builders Association; & West Pierce Fire & Rescue.	10
13	Support the implementation of the Tacoma-Pierce County Solid Waste Management Plan.	Waste Consumption; Education & Outreach	Pierce County; Tacoma-Pierce County Health Department; Waste Connections; other Pierce County cities; Clover Park School District; Western State Hospital; Pierce College; Clover Park Technical College; Saint Clare Hospital	10
14	Coordinate a regional electric vehicle (EV) infrastructure strategy with neighboring cities, Pierce County and the State	Energy & Built Environment; Transportation	Pierce County; other Pierce County cities; TPU; PSE; Lakewood Light & Power	10

\*Several items have been added to this list that were not included in the original 89 ECCC action items.

*Note:* The ECCC Implementation Plan will likely be subject to periodic review and update over time.

**ATTACHMENT B**  
**Approved Climate Change Action Plan Items**  
Ordinance No. 756, adopted July 26, 2021

**PROVIDE LEADERSHIP & ADVOCACY**

1. Develop a five-year plan for reducing greenhouse gas emissions. The action plan shall include five-main topics:
  - Incorporation of an environmental justice assessment into the five (5)-year action plan;
  - A comprehensive greenhouse gas emissions inventory and forecast;
  - Emissions reduction target(s);
  - Carbon sequestration targets; &
  - A program for monitoring and reporting out the implementation tasks found in this document.

Since this is a new program for the city, start with easy-to-accomplish tasks, or easy to-solve problems.

Also, consider the impact of the end-user, recognizing that that the more stringent the implementation targets, the higher the mitigation costs, although delays, in the long-term, result in net increases in mitigation costs. As the city matures in its efforts to address climate change, move forward with more challenging action items.

2. Inform city residents and businesses, the city council, planning commission, staff, and other stakeholders of the city's emission reduction targets and overall progress. Add targets and progress to the Lakewood dashboard.

3. Where feasible, enter into formal interlocal cooperation agreements with utility providers to reduce waste, promote water conservation, and improve energy efficiencies.
4. Collaborate with Pierce Transit, Sound Transit, WSDOT Rail Division, Amtrak and major employers in Lakewood to promote greater transit opportunities and use.
5. Amend/revise the current strategic plan that will help guide and focus city resources and program initiatives to: reduce greenhouse gas production and the carbon footprint of city government and the Lakewood community; and, reduce and minimize the potential risks of climate change.
6. Collaborate with neighboring jurisdictions to share best practices and implement regional programs to help residents and businesses meet regional demand reduction targets.
7. Work with energy providers (Puget Sound Energy, Lakeview Light & Power, and city of Tacoma Power) to develop strategies that will reduce energy demand and promote energy conservation.
8. Collaborate with local workforce development programs so that city of Lakewood can lead Pierce County in green jobs.

9. If warranted, if enabling legislation is in place, and as a means to meet carbon-cutting targets, participate in Washington State's cap-and-trade program. (Program does not go into effect until January 2023, and provided there is a new, approved transportation-spending funding package.)
10. Develop a Request for Proposal whose primary objective is to raise the community's awareness about sources of greenhouse gas emissions and mitigation through climate change action identified in policy documents with the intended result of changing behaviors. Three primary tasks are envisioned: a) Identifying behavior solutions to reducing GHG emissions; b) development and implementation of a community education, engagement and activation guide; and c) development of public facing tools. Project to include an equity screening exercise. Successful engagement with historically under-served groups would be a priority.

## **IMPROVE CLEAN AND EFFICIENT TRANSPORTATION OPTIONS**

11. Develop fleet electrification plan including necessary charging infrastructure and implement electric first policy when purchasing replacement vehicles and other fuel burning equipment. When electric vehicle options are inappropriate, hybrid vehicles should be the second choice.
12. Work with Clover Park School District to promote an anti-idling program for school buses. Encourage the District to educate parents and transportation providers to avoid idling during pick-up/drop-off times.
13. Continue to collaborate with Pierce Transit, Sound Transit, Washington Department of Transportation (WDOT), and major employers in Lakewood that provide shuttle services, to explore the potential for expanding transit in the evenings for people with special needs. This includes:
  - Exploring the potential to enhance Lakewood's paratransit service.
  - Collaborate with regional transportation agencies to maintain and enhance service within the city and region.
  - Explore strategies to address affordability, access and safety.
14. Coordinate and partner with transit partners to develop an incentives program to expand transit use among residents and employees in Lakewood.

This includes exploring the potential for supporting fare-free transit zones in major commercial areas, free or very low-cost bus passes for target groups, pre-tax passes, rebates to employees who give up use of employer parking facilities, and online tools for providing real time information to transit riders. Expand outreach and information programs to promote transit use.
15. Coordinate with both Pierce Transit and Sound Transit to expand service, increase affordability and accessibility for seniors, youth, and low-income households. Ensure that all transit

stations and routes to and from these stations are safe.

16. Coordinate with both Pierce Transit and Sound Transit to ensure public transit service connects major destinations in Lakewood including education institutions, community facilities, employment centers, regional open space areas, and major commercial corridors to serve a greater number of riders and reduce commuter vehicle miles. Encourage development of a bus rapid transit system that connects Downtown Tacoma to Lakewood.
17. Work with both Pierce Transit and Sound Transit to develop a non-motorized connectivity study specific to Lakewood.
18. Update the city's non-motorized transportation plan to make Lakewood a more pedestrian and bicycle-friendly city. This includes identifying gaps in the network and explore developing potential pedestrian and bicycle priority areas or districts.
19. Collaborate with Pierce County, University Place, the Town of Steilacoom, Tacoma, and WSDOT to ensure links to a regional commuter trail network.
20. As part of the non-motorized transportation plan update, explore bicycle-sharing programs.
21. Encourage new businesses, schools and residential developments, install and maintain secured bicycle parking facilities.
22. As part of the non-motorized transportation plan update, review design guidelines and standards for bicycle and pedestrian facilities and amenities that meet local, state and federal standards. Include a uniform citywide signage plan and comply with all Americans with Disabilities Act (ADA) and Washington State accessibility requirements.
23. As feasible and appropriate, the city shall require new development and redevelopment to provide pedestrian connections and safety improvements to foster use of non-motorized transportation. This includes connections between retail, living, and working places and transit connections and facilities. It includes traffic calming and other safety-related improvements; development of new sidewalks and trails; and new pedestrian and bicycle amenities.
24. Pursue grant funding to plan and construct missing pedestrian and bicycle connections between major destinations, such as, parks, open spaces, civic facilities, employment centers, retail, and recreation areas.
25. Coordinate and partner with the Clover Park School District and Safe Routes to Schools to expand educational programs and events to encourage and promote walking and biking, including a Bike to School Day, walking school bus, and sidewalk painting for safe routes.

26. Coordinate with Washington State Department of Transportation, Sound Transit, and Amtrak about adding an Amtrak Cascades stop within the city.
27. Work with Sound Transit to provide for extended hours of operations at the Sound Transit Lakewood Station and to expand the existing parking garage.
28. Work with Sound Transit to require parking permits and associated fees for commuters who use the Lakewood Station parking garage, but who reside outside the Sound Transit district area boundary.
29. Coordinate with Lakewood Chamber of Commerce to inform local employers on the options for and benefits of compressed work weeks, telecommuting, and other schedule adjustments that reduce commute trips.

#### **INCREASE SUSTAINABLE & ENERGY-EFFICIENT SYSTEMS**

30. Encourage and support the generation, transmission and use of locally distributed renewable energy. Advocate at the regional and state level for upgrades to the existing power grid so that it can support renewable energy production and transmission.
31. Evaluate incentives that promote the inclusion of solar power with commercial, industrial, and residential development.
32. Establish a Green Energy and Building Fund to provide incentives to increase

building electrification conversions and battery storage.

33. Reduce the City Hall footprint from three floors to two floors.
34. Work with all utility providers to raise awareness about existing rebate and assistance programs that will increase energy conservation.
35. Work with utilities to explore strategies to reduce GHG emissions in multifamily housing.
36. If necessary, consider financially subsidizing the RHSP to promote energy conservation for rental properties. Alternatively, increase rental housing licensing fees.
37. Support the implementation of the Tacoma-Pierce County Solid Waste Management Plan.
38. Develop a comprehensive recycling and composting program for all city-owned facilities.
39. Work with Pierce County Conservation District to provide residential and business education regarding composting and natural yard care.
40. Continue to support neighborhood events such as garage sales and clean-up/recycling events.
41. Support tool libraries, repair cafes, and other collaborative consumption projects.



42. Require that all commercial entities participate in recycling and a green waste program, once established.
43. Implement water conservation efforts for households, businesses, industries and public infrastructure. Include measures such as the following:
  - Enforce the Uniform Plumbing Code (IPC), which requires low-flow appliances and fixtures in all new development;
  - Work with the Lakewood Water District to create an incentives program that encourages retrofitting existing development district-wide with low-flow water fixtures;
  - Require new development and landscaped public areas to use state-of-the-art irrigation systems that reduce water consumption including graywater systems and rainwater catchment; and
  - Encourage use of drought-tolerant and native vegetation.
44. Install hydration stations in all municipal facilities to allow refills of reusable water
45. Require hydration stations all new development that includes private and public parks
46. Establish a trip reduction policy that includes a remote work strategy, and appropriate technology.
47. Conduct a feasibility study on using treated greywater and rainwater harvesting for non-potable water needs at city facilities
48. Work with energy partnerships to develop and implement an electrification action plan for all city facilities. In new and existing buildings, incorporate strategies to address electricity storage, and focus on highlighting any hurdles or solutions that would be applicable to the broader community
49. Develop a city-wide environmentally preferable purchasing policy (EPP). Consider life-cycle costing as one of the decision-making tools in the process and promote purchasing of local products.
50. Replace all non-energy star office equipment and appliances at their end of their life cycle with energy and water efficiency as a primary consideration for all future purchasing decisions.
51. Examine city practices for opportunities to reduce paper consumption in the workplace. Implement a document management information system.

## ENCOURAGE SUSTAINABLE DEVELOPMENT

52. Regularly update the Downtown Subarea Plan and the Lakewood Station District as market conditions and climate conditions change.
53. Develop plans for key commercial corridors in the city to guide

redevelopment of these areas into mixed-use, pedestrian and transit-oriented corridors and nodes. Possible corridors include South Tacoma Way, Steilacoom Boulevard SW, Bridgeport Way, and Union Avenue SW. Include development standards and urban design guidelines.

54. Continue to incentivize mixed-use and infill development (fee waivers, density bonuses, development impact fee, tax benefits, etc.)

55. Continue to expand and enhance open space lands throughout the city through property acquisition.

56. Conduct a sustainability audit that evaluates existing plans, ordinances, and development standards to identify regulatory barriers to infill development.

57. Conduct a feasibility study to determine how best to allow alternative uses and designs within vacant low-density residential areas. Provide outreach in identified neighborhoods.

58. Consider the use of incentives for new construction projects that exceed energy efficiency standards with a focus on affordable and multifamily housing.

59. Using the data from the Carbon Sequestration Analysis, complete an analysis and findings of forested landscapes, ecological function and ecosystem processes, including carbon sequestration, into land use decisions.

The city shall keep statistics from each land use decision for a biannual report.

60. Review and if appropriate, update the city's street design standards so that they support public transit, and non-motorized transportation policies. The updated standards should be consistent with and tailored to street or trail function and adjacent land use type.

- Update street design standards based on recommendation from the updated non-motorized transportation plan.
- Identify on a case-by-case basis priority thoroughfares for developing new green streets in the city to implement a natural systems approach for stormwater management and to expand urban greenery.

61. Evaluate the feasibility of reducing the number or width of travel lanes on future, key mixed-use streets that may have excess capacity and using the capacity and/or regained width for wider sidewalks and bicycle lanes.

62. Ensure that roadway medians include native plants and trees and are wide enough to support their long-term viability with the least demand for irrigation and maintenance.

63. Continue to prioritize the use of locally propagated native drought-tolerant vegetation and discourage the use of invasive non-native species in home landscaping.

64. Develop and promote an urban forest management/master reforestation plan.

65. Evaluate the feasibility of expanding tree planting within the city, including an evaluation of potential carbon sequestration as well as GHG emissions. Specific task includes:

- Provide information to the public, including landscape companies, gardeners, and nurseries, on carbon sequestration rates, drought tolerance, and fire resistance of different tree species.

66. Evaluate the benefits and tradeoffs of regulations that require all-electric buildings. Potential tools to require all-electric buildings include city mandates, building code updates, or ordinances. Ideally, these regulations would cover new construction and major renovations.

67. Install energy efficient appliances; where appropriate consider the conversion of power to all electricity, and upgrade structures to improve energy conservation.

68. Beginning in 2021, adopt and enforce the 2018 Washington State Energy Code.

69. Enforce the 2018 International Building Code, Section 429, Electric Vehicle and Charging Infrastructure. This section includes charging infrastructure for accessible parking spaces.

70. Develop a new program to encourage the installation of public electric vehicle charging infrastructure in public spaces.

71. Consider local amendments to the building codes to allow for, encourage, or require integration of passive solar design, green roofs, active solar, and other renewable energy sources.

72. Support the addition of performance-based alternatives to energy codes and appropriate sections of the building code.

73. Evaluate the feasibility of incorporating Washington State Department of Commerce Incentivizing Low-impact Development report into the development code and as a resource for developers.

74. Evaluate the feasibility of creating a sustainable site planning score to evaluate a development.

75. Assess opportunities for sustainable Urban Agriculture.

Work with non-profits and regulatory agencies to explore the potential for creating, expanding and sustaining local urban agriculture, including community gardens, orchards and farmers' markets. The assessment should explore the feasibility of implementing the following strategies:

- Developing a site inventory and a management plan to administer the use of potential urban agricultural sites;

- Expanding the number and frequency of farmer's markets throughout Lakewood;
- Promoting urban agriculture as a desirable civic activity that improves the quality of urban life, food security, neighborhood safety and environmental stewardship;
- Establishing a community-based support system for urban growers such as tool banks, shared processing facilities, farmers' markets, community supported agriculture ventures, funding streams and technical service providers;
- Offering locally grown food to local schools, hospitals, nursing homes, food banks, daycare centers, correction facilities and businesses such as restaurants, while creating economic opportunities for urban growers and related industries;
- Creating training programs for unemployed people to work in urban food-related businesses as a source of jobs;
- Working with representatives of community gardening and urban farming organizations to meet needs unique to urban farm enterprises;
- Ensuring long-term land commitment for community gardens, entrepreneurial farms and other urban agriculture ventures;
- Updating building codes to encourage rooftop gardening.

76. Coordinate with Clover Park School District in developing school-based programs that integrate nutrition and gardening in order to raise awareness about the connection between healthy food choices and locally grown fresh produce and the environmental benefits of urban agriculture.

### **DEVELOP A HAZARDS MANAGEMENT PLAN (developing a climate-resilient community)**

77. Perform a climate change assessment report for the community's lakes.

78. Develop a community wildfire protection plan using community assistance grants.

79. Review, and as appropriate, update Lakewood Municipal Code based on Community Wildfire Protection Plan recommendations and best management practices.

80. Review, and as appropriate, update Lakewood Municipal Code (LMC) Title 14, Environmental Protections. Title 14 provides regulations for geologic hazard areas, flood hazard areas, and critical lands and natural resources. Climate change impacts may require that new regulations be inserted into this chapter.

81. Review, and as appropriate update the city's hazard mitigation plan to address climate change.

82. Every two years, or as otherwise dictated by Washington State, update LMC Title 15, Buildings and Construction Codes to address hazards resulting from climate change.

83. Analyze climate risks and benefits of resilience measures to property value and city revenue streams.

84. Map vulnerable community assets and disadvantaged neighborhoods.

85. Include resilience requirements in local building and zoning codes.

86. Communicate climate risks and resilience activities to the public.

87. Engage economic development organizations in city resilience planning efforts.

88. Update city budget process to ensure equitable resource allocation.

89. Address household financial and climate vulnerability in a holistic manner by coordinating complementary programs.

ATTACHMENT C

Implementation Measure #	Description	Action Steps	Category	Partners	Difficulty/ Effort			Priority			Subtotal points (D, P)	Financials (2022)			Total points (D,P,F)	Timing (Where budget constraints were identified, completion dates have been extended.)				Notes		
					High 3	Medium 2	Low 1	Critical 4	Important 3	Normal 2		Low 1	In budget 4 (\$931,199)	Not in budget 2		Consulting services? (no points)	Timeframe	Progress	Frequency		Start Date	Completion Date
1	Develop a five-year plan for reducing greenhouse gas emissions. The action plan shall include four-main topics: a comprehensive greenhouse gas emissions inventory and forecast; emissions reduction target(s); carbon sequestration targets; & a program for monitoring and reporting out the implementation tasks found in this document.	<p>1. Continue to use Google Environmental Insights and ICLEI's software to refine the city's production of GHG emissions;</p> <p>2. Monitor utility companies' tariffs with the Washington State Utilities &amp; Transportation Commission (provides insights on the number/location of future electric charging stations);</p> <p>3. Monitor vehicles miles travelled within Lakewood;</p> <p>4. Determine if it is possible to obtain data from the Department of Licensing on the number of electric vehicles and non-electric vehicles registered in the City;</p> <p>5. Monitor Pierce Transit ridership;</p> <p>6. Monitor new construction data; use energy calculations to determine possible reductions in GHG emissions.</p> <p>Washington State Department of Ecology; Washington State Department of Commerce; Greenhouse Gas Analysis Tools: <a href="https://deptofcommerce.app.box.com/s/dsdx3345b67vk6m6j9ajsrsz9ye9f6ov">https://deptofcommerce.app.box.com/s/dsdx3345b67vk6m6j9ajsrsz9ye9f6ov</a></p> <p>American Planning Association, Washington Chapter; Climate Change in Washington <a href="https://apawa.memberclicks.net/2--climate-change-in-washington">https://apawa.memberclicks.net/2--climate-change-in-washington</a></p> <p>United States Environmental Protection Agency Climate Change Indicators in the United States <a href="https://www.epa.gov/climate-indicators">https://www.epa.gov/climate-indicators</a></p> <p><a href="https://www.epa.gov/ghgemissions/state-and-tribal-greenhouse-gas-data-and-resources">https://www.epa.gov/ghgemissions/state-and-tribal-greenhouse-gas-data-and-resources</a></p> <p>City of Palo Alto, CA 2020 Greenhouse Gas Inventory Report <a href="https://www.cityofpaloalto.org/files/assets/public/sustainability/reports/palo-alto-2020-greenhouse-gas-emissions-inventory.pdf">https://www.cityofpaloalto.org/files/assets/public/sustainability/reports/palo-alto-2020-greenhouse-gas-emissions-inventory.pdf</a></p>	Energy & Built Environment	Puget Sound Energy; Tacoma Power; Lakeview Light & Power; Pierce County Sustainability Collaborative	3	0	0	4	0	0	0	7	4	0	\$36,000	11	Early action	Started	Unique	Oct 22	Apr 23	First reports will be basic; content of reports will expand over time. Costs for measuring Lakewood's carbon sequestration difficult to determine.
5	Review, and as appropriate, update Lakewood Municipal Code (LMC) Title 14, Environmental Protections. Title 14 provides regulations for geologic hazard areas, flood hazard areas, and critical lands and natural resources. Climate change impacts may require that new regulations be inserted into this chapter. (Types of critical areas: wetlands; aquifer recharge areas; fish & wildlife conservation; flooded areas; and geologic hazards.)	<p>1) Establish a work program (including a public participation plan) and schedule;</p> <p>2) Review, and revise where needed, relevant plans and regulations;</p> <p>3) Conduct a public engagement process;</p> <p>4) Submit notice to the state; and</p> <p>5) Take legislative action on proposed amendments</p> <p>Comprehensive Plan Update: <a href="https://mrsc.org/Home/Explore-Topics/Planning/General-Planning-and-Growth-Management/GMA-Plan-Development-Regulations-Updates.aspx">https://mrsc.org/Home/Explore-Topics/Planning/General-Planning-and-Growth-Management/GMA-Plan-Development-Regulations-Updates.aspx</a></p> <p>Washington State Department of Commerce: <a href="https://www.commerce.wa.gov/consulting-communities/growth-management/growth-management-topics/critical-areas/">https://www.commerce.wa.gov/consulting-communities/growth-management/growth-management-topics/critical-areas/</a></p>	Energy & Built Environment	Washington Department of Ecology; Washington State Department of Commerce.	3	0	0	4	0	0	0	7	4	0	\$0	11	Early action	Not started	GMA periodic update schedule; due date Dec 2024	Not started	Dec 24	Timing dates subject to change. CED may speed up reviews.
6	Work with Pierce County and Pierce County municipalities to develop a regional approach and best practices to address climate change. One strategy: adopt revised climate change Pierce Countywide Planning Policies.	<p>The Pierce County Sustainability Office is heading the project. Currently in the process of gleaning interest from other communities. As of April 2022, two meetings have been conducted. Lakewood has participated in both. No formal actions have been proposed at this time. Lack of financial resources has already been identified as a significant problem.</p> <p>Pierce County Office of Sustainability: <a href="https://issuu.com/pierceco/docs/2017_sustainability_report?e=10586050/63055279">https://issuu.com/pierceco/docs/2017_sustainability_report?e=10586050/63055279</a></p>	ALL: Energy & Built Environment; Transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Pierce County; loose consortium of Pierce County cities.	3	0	0	4	0	0	0	7	4	0	\$0	11	Early action	Started	Quarterly meetings	Jan 22	Continual	The Pierce County Sustainability Office is heading the project. Currently in the process of gleaning interest from other communities. As of April 2022, two meetings have been conducted. Lakewood has participated in both. No formal actions have been proposed at this time. Lack of financial resources has already been identified as a
7	Update the city's non-motorized transportation plan (also referred to as active transportation plan).	<p>1. Establish a work program (including a public participation plan) and schedule;</p> <p>2. Hire a consultant;</p> <p>3. Review, and revise where needed, relevant plans and regulations (focus on future improvements that can reduce GHG emissions);</p> <p>4. Conduct a public engagement process;</p> <p>5. Submit notice to the state; &amp;</p> <p>6. Take legislative action on proposed amendments.</p> <p>Nonmotorized Transportation Planning: <a href="https://www.vtpl.org/tdm/tdm25.htm">https://www.vtpl.org/tdm/tdm25.htm</a></p> <p>Washington State Active Transportation Plan: <a href="https://wsdot.wa.gov/sites/default/files/2021-12/ATP-2020-and-Beyond.pdf">https://wsdot.wa.gov/sites/default/files/2021-12/ATP-2020-and-Beyond.pdf</a></p> <p>Puget Sound Regional Council (PSRC):</p>	Transportation	Internal: Pierce College; Clover Park Technical College; Western State Hospital; Pierce College; CPSD; WSDOT; Steilacoom; UP; Tacoma; Pierce County.	3	0	0	4	0	0	0	7	4	0	\$75,139	11	Early action	Started	Every 5 years	May 22	Jun 23	General Fund. See also adopted action plan items 18, 19, 20, 21, 22, 23, and 24.
11	<del>NEW!</del> Develop a public engagement plan for climate change - was not part of implementation plan; however integral to environmental justice.	<p>1. Submitted request for proposal to Evans School;</p> <p>2. Proposal was approved;</p> <p>3. Develop work plan;</p> <p>4. Student team chosen;</p> <p>5. Pay UW fee;</p> <p>6. Conduct qualitative interviews;</p> <p>7. Conduct surveys;</p> <p>8. Prepare report to the City of Lakewood;</p> <p>9. Provide presentation to WA APA.</p> <p>Resources for the Future</p>	Education & Outreach	University of Washington, Evans School of Public Policy & Governance.	3	0	0	4	0	0	0	7	4	0	\$0	11	Early action	In process	Unique	Sep 21	May 22	Project turned out to be more difficult than expected. Outreach used to low-income neighborhoods was ineffective.
18	Clover Creek Floodplain Engineering Alternatives Analysis.	<p>1. Execute contract with engineering consultant;</p> <p>2. Contract management/administration;</p> <p>3. Public engagement;</p> <p>4. Flood mitigation conceptual alternative development;</p> <p>5. Hydraulic modelling and analysis;</p> <p>6. Preferred concept evaluations;</p> <p>7. Funding strategy;</p> <p>8. Draft and final engineering reports.</p> <p>FEMA, Guidance for Flood Risk Analysis and Mapping</p>	Energy & Built Environment	Internal: property owners; Pierce County Public Works & Planning; WA State Department of Transportation; FEMA.	3	0	0	4	0	0	0	7	4	0	\$271,377	11	Early action	Started	Unique	Jan 22	Jan 23	SWM funds.



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					High 3	Medium 2	Low 1	Critical 4	Important 3	Normal 2	Low 1			In budget 4 (\$931.199)	Not in budget 2		Consulting services? (no points)		Timeframe	Progress	Frequency	
21	Review, and as appropriate, update the city's hazard mitigation plan to address climate change. The hazard mitigation and adaptation plan identifies and prioritizes potential and existing hazards across jurisdictional borders, including hazards that may be further amplified by climate change.	1. Organize the planning process and resources specific to potential climate change issues (flooding, severe weather, severe wind, drought, potential wildfire, and lakes' water quality); 2. Assess risks: Hazard identification; Profiling of hazard events; Inventory of assets; and Estimation of potential human and economic losses based on the exposure and vulnerability of people, buildings, and infrastructure; 3. Develop a mitigation strategy; 4. Adopt & implement the plan.  FEMA <a href="https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/create-hazard-plan/process">https://www.fema.gov/emergency-managers/risk-management/hazard-mitigation-planning/create-hazard-plan/process</a>  Washington State Emergency Management Division <a href="https://mil.wa.gov/enhanced-hazard-mitigation-plan#:~:text=The%20Washington%20State%20Enhanced%20Hazard,a%20multi%20agency%20statewide%20document.">https://mil.wa.gov/enhanced-hazard-mitigation-plan#:~:text=The%20Washington%20State%20Enhanced%20Hazard,a%20multi%20agency%20statewide%20document.</a>  Planning for Hazards Land Use Solutions for Colorado <a href="https://planningforhazards.com/hazard-mitigation-plan">https://planningforhazards.com/hazard-mitigation-plan</a>	Energy & Built Environment	Internal: FEMA; Washington State Emergency Management Division; Pierce County: West Pierce Fire & Rescue	3	0	0	4	0	0	0	7	4	0	\$0	11	Early action	Not started	Unique	Unknown	Unknown	
22	Establish (and regularly update) a new climate change chapter to the city's comprehensive plan.	1. Inventory; Reduction targets; 2. Forecast projected emissions; 3. Reduction measures; 4. Relationships with regional plans; & 5. Monitoring/updating  Washington State Department of Commerce, Planning for Climate Change <a href="https://deptofcommerce.app.box.com/s/za1cy5wb0mubgd7417dadowjua296zh">https://deptofcommerce.app.box.com/s/za1cy5wb0mubgd7417dadowjua296zh</a>  Washington State Department of Commerce, Greenhouse Gas Analysis Tools <a href="https://deptofcommerce.app.box.com/s/ds6x3345b67vk6m6j9ajrsz9ye9f6ov">https://deptofcommerce.app.box.com/s/ds6x3345b67vk6m6j9ajrsz9ye9f6ov</a>  Washington State Department of Ecology, Preparing for a Changing Climate <a href="https://www.cakex.org/sites/default/files/documents/1201004_0.pdf">https://www.cakex.org/sites/default/files/documents/1201004_0.pdf</a>	ALL: Energy & Built Environment; Transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Puget Sound Energy; Tacoma Power; Lakeview Light & Power; Pierce County Sustainability Collaborative	3	0	0	0	3	0	0	6	4	0	\$4,000	10	Early action	Started	Unique	Jun 20	Jun 21	Some of the action plan items are difficult to carry out since the only utility the City owns and operates is stormwater. Water is operated by the Lakewood Water District. Sewer is operated by Pierce County Public Works. Electricity is operated by three separate utilities: Tacoma Power; Lakeview Light & Power; and Puget Sound Energy. Garbage collection services are provided by Waste Connections under contract with the City. <i>Primary efforts to address climate change are focused on: 1) agency coordination; 2) hazards mitigation; 3) nonmotorized transportation systems, 4) land use, 5) building code enforcement, and, to some extent: 6) carbon sequestration.</i>
25	Every two years, or as otherwise dictated by Washington State, update LMC Title 15, Buildings and Construction Codes to address hazards resulting from climate change.	1. SBCC Council & Standing Committee Review; 2. SBCC Legislative Review Committee; 3. Technical & Advisory Committees; 4. WABO review; 5. State legislative action; & 6. Local legislative action & incorporation into LMC Title 15.  State Codes, Regulations & Guidelines <a href="https://sbcc.wa.gov/state-codes-regulations-guidelines">https://sbcc.wa.gov/state-codes-regulations-guidelines</a>  WABO <a href="https://www.wabo.org/">https://www.wabo.org/</a>	Energy & Built Environment	Washington State Building Code Council (SBCC); Washington Association of Building Officials (WABO); Pierce County Master Builders Association; & West Pierce Fire & Rescue.	3	0	0	0	3	0	0	6	4	0	\$0	10	Early action	Not started	Ongoing	Jan 23	Continual	Program funded through general fund & permit fees. The International Code Council (ICC) promulgates a new International Building Code every 3 years through the ICC Code Development Process, and subject to amendments by the Washington Legislature and Lakewood City Council. Most current version of codes was delayed because of pandemic. The current version of the IBC is the 2018 edition. Next code cycle is in 2021. Possible areas of concern – wildfire resilience and wind storms. <i>(NOTE: Ongoing issues - lack of of qualified workers, supply chain disruption &amp; material sourcing issues, COVID-19, &amp; inflation.)</i>
28	Enforce the 2018 International Building Code, Section 429, Electric Vehicle and Charging Infrastructure. This code section also includes basic charging infrastructure for accessible parking spaces. Staff is expecting building codes to be modified with new standards in the very near future. There is the possibility of the city having to perform new assignments.	1. Review plans; requires five percent of parking spaces to be set aside for EV charging; 2. Charging stations for specific use-types only: hotels/motels; apartment complexes; and offices. No requirement for EV stations for retail uses; 3. Current code requires that EV "infrastructure" be installed. City interprets the language to mean underground conduit and space within the electrical room for EV-related facilities. Does not include the electrical vehicle supply equipment (EVSE) There are three types of EVSEs: 3a. Level 1 EVSE. Uses a standard 120-volt plug that you can plug into any outlet. You do not need a separately installed EVSE for this level of charging. However, it takes longer to fully charge the car. This will give you two to five miles of range per charging hour. 3b. Level 2 EVSE. For speedier charging that can charge your car in about two hours. Level 2 uses a 240-volt residential or 208-volt commercial plug and needs to plug into a separately installed charging station. Requires a 40-amp outlet to handle this faster charger. A level 2 EVSE gives you anywhere from 10 to 60 miles of range per charging hour. 3c. DC Fast Chargers, also known as Level 3 or CHAdeMO chargers. CHAdeMO comes from a Japanese term meaning "charge while moving" or "charge and go," referring to the fact that the charger is super-fast. These chargers can charge a standard EV in about 20 minutes, but they require specialized equipment and regular maintenance. Fast chargers are not compatible with all EV's and are mostly used in commercial applications.	Energy & Built Environment; Transportation	Washington State Building Code Council (SBCC); Washington Association of Building Officials (WABO); Pierce County Master Builders Association.	3	0	0	0	3	0	0	6	4	0	\$0	10	Early action	Started	Ongoing	Dec 2020	Continual	Significant concern over installation, maintenance and service, and vandalism regarding public EVSEs. While the City can require the set aside for parking spaces and make minimum infrastructure requirements for electric vehicles, it does not mean the EVSE infrastructure will be installed. Payment process is another issue. In order to pay using credit/debit cards, or a smartphone, public EVSEs require WIFI. In a recent focus group discussions, it was suggested that cities be responsible for installing public EVSE infrastructure. City representatives

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					High 3	Medium 2	Low 1	Critical 4	Important 3	Normal 2	Low 1		In budget 4 (\$931.199)	Not in budget 2	Consulting services? (no points)		Timeframe	Progress	Frequency	Start Date		
3	Proactively work with energy providers to market existing energy conservation programs with Lakewood property owners. Where appropriate propose new programs to better fit Lakewood's needs. Consider the use of HUD grants and low-interest loans to complement energy provider conservation programs.	1. Participate in PSE focus group discussions; 2. Request that the three energy purveyors participate in the Pierce County Sustainability Collaborative; 3. Review current energy conservation programs offered by energy purveyors; 4. Through the RHSP database, promote and advertise energy conservation programs offered by energy purveyors; 5. Discuss with Department of Commerce the availability of grants to reduce energy use and promote energy conservation in apartment complexes; 6. Lobby at the state level energy conservation grants programs for older commercial buildings.  Washington State Utilities & Transportation Commission: <a href="https://www.utc.wa.gov/regulated-industries/utilities/energy/conservation-and-renewable-energy-overview/company-conservation-programs">https://www.utc.wa.gov/regulated-industries/utilities/energy/conservation-and-renewable-energy-overview/company-conservation-programs</a>  Washington State Utilities & Transportation Commission & N.C. Clean Energy Technology Center at N.C. State University <a href="https://programs.dsireusa.org/system/program?state=WA">https://programs.dsireusa.org/system/program?state=WA</a>  Washington State Utilities & Transportation Commission/ Energy Assistance Programs: <a href="https://www.utc.wa.gov/consumers/energy/energy-assistance-programs">https://www.utc.wa.gov/consumers/energy/energy-assistance-programs</a>  Washington State Department of Commerce: <a href="https://www.commerce.wa.gov/growing-the-economy/energy/energy-independence-act/eia-reporting/">https://www.commerce.wa.gov/growing-the-economy/energy/energy-independence-act/eia-reporting/</a>	Energy & Built Environment	Washington State Utilities & Transportation Commission; Puget Sound Energy; Lakeview Light & Power; Tacoma Power.	3	0	0	4	0	0	0	7	0	2	\$0	9	Early action	Started	N/A	Unknown	Continual	Some initial conversations with PSE are underway.
4	Incorporate an environmental justice assessment into the climate change work plan. (Dependent upon completion of climate perception study.)	1. Complete the climate change perception study; 2. Develop a public engagement plan; 3. Consider conducting paid surveys and interviews with frontline communities; 4. Review survey data with state and county departments of health data; 5. Reevaluate/reprioritize climate change implementation measures; 6. Review plan with the city manager.  Providence, RI, Climate Justice Plan:	Education & Outreach	City's communication manager; Korean Women's Association; neighborhood associations; Community Services Advisory Board; Youth Council; Lakewood's Promise; Pierce County Sustainability Collaborative; Tacoma Pierce County Health Department; WA State Department of Health.	3	0	0	4	0	0	0	7	0	2	\$30,000	9	Early action	Not started	Unique	Jun 23	Oct 23	
9	<b>NEW!</b> Use a supplemental greenhouse gas/climate change impact worksheet of climate change impacts and potential mitigation when conducting an environmental review process under the State Environmental Policy Act.	1. Instruction sheet; 2. Develop worksheet using spreadsheet; 3. Amend SEPA checklist; 4. Determine if the worksheet is to be used for mitigation purposes, to track emissions only, or if it is a voluntary tool only?  King County, WA: <a href="https://kingcounty.gov/-/media/depts/permitting-environmental-review/dper/documents/forms/SEPA-Greenhouse-Emissions-Worksheet-Instructions.ashx?la=en">https://kingcounty.gov/-/media/depts/permitting-environmental-review/dper/documents/forms/SEPA-Greenhouse-Emissions-Worksheet-Instructions.ashx?la=en</a>  City of Bremerton, WA: <a href="https://www.bremertonwa.gov/DocumentCenter/View/1588/Greenhouse-Gas-Brochure-PDF">https://www.bremertonwa.gov/DocumentCenter/View/1588/Greenhouse-Gas-Brochure-PDF</a>  City of Los Angeles, CA: <a href="https://planning.lacity.org/eir/SanPedro/DEIR/Vol%20II/04_AppC_GreenHouseGasEmissionsData.pdf">https://planning.lacity.org/eir/SanPedro/DEIR/Vol%20II/04_AppC_GreenHouseGasEmissionsData.pdf</a>	Energy & Built Environment	Pierce County Sustainability Collaborative; Puget Sound Clean Air Agency; Washington State Department of Ecology.	0	2	0	0	3	0	0	5	4	0	\$0	9	Early action	Not started	Unique	Dec 22	Mar 23	Some cities are already using a revised/modified checklist.
10	<b>NEW!</b> Lakewood, as a member of the South Sound Military Communities Partnership SSMCP), advocate at both the state and federal levels for improvements to the I-5 Nisqually Corridor. Project has multiple challenges: Transportation alternatives for I-5 traffic congestion; Sea level rise leading to increased flood potential; Mitigating salmon habitat degradation; Military readiness and national security; Environmental remediation; Population growth; and Treaty rights of the Nisqually Tribe.	1. Imperative that the I-5 Nisqually River projects is placed into the WA Transportation Improvement Program (TIP); 2. Determine the level of NEPA analysis required; 3. Emphasize strategies that require EA/EIS; 4. Conceptual project development; 5. Prepare environmental discipline reports related to EA/EIS process; 6. Ongoing coordination with partners and regulatory agencies; & 7. Support legislative advocacy for federal funding.	Energy & Built Environment; Transportation	SSMCP partnerships (multiple local, state, federal agencies, and private parties). Governor Inslee, Sen Cantwell and Congresswoman Strickland all support the project as a priority for the state.	3	0	0	4	0	0	0	7	0	2	\$125,000,000	9	Long term action	In process	Ongoing with multiple tasks at play at various government al layers	Dec 17	Multi-year; tentative construction dates, 2027/2028 (?)	State funding at this point. Most recently \$5M for NEPA and \$75M for engineering pre-design. Possible shortfall of \$50M for pre-design will require federal assistance for funding. Federal funding required in the near future should construction schedule stay in the 2027/2028 timeframe. The I-5 Nisqually Corridor is now defined as a WA State mega-project and is about to be listed on the state TIP, PSRC and TRPC TIPs. This is a
12	Conduct a sustainability audit that evaluates existing plans, ordinances, and development standards to identify regulatory barriers to infill development. (fee waivers, density bonuses, development impact fee, tax benefits, etc.).	1. Review with utility providers current infrastructure limitations; 2. Perform a regulatory process assessment regarding the City's land use and development codes; 3. Perform a regulatory process assessment for Lakewood Water District, Pierce County Public Works and Planning, West Pierce Fire District, and power purveyors; 4. Provide recommendations for suggested improvement; 5. Implement recommendations.  City of Tacoma Residential Infill Pilot Program <a href="https://www.cityoftacoma.org/UserFiles/Servers/Server_6/File/cms/Planning/Residential%20Infill%20Pilot%20Program/Handbook%202020.pdf">https://www.cityoftacoma.org/UserFiles/Servers/Server_6/File/cms/Planning/Residential%20Infill%20Pilot%20Program/Handbook%202020.pdf</a>  Berkeley Law Right Type Right Place Assessing the Environmental and Economic Impacts of Infill Residential Development through 2030 <a href="https://www.law.berkeley.edu/wp-content/uploads/2017/03/Right-Type-Right-Place.pdf">https://www.law.berkeley.edu/wp-content/uploads/2017/03/Right-Type-Right-Place.pdf</a>  Denver Council of Governments Regulatory Strategies for Encouraging Infill & Redevelopment	Energy & Built Environment	Pierce County Planning and Public Works (sewers); Lakewood Water District (water); SSHAP.	0	2	0	0	3	0	0	5	4	0	\$60,000	9	Early action	Started	Unique	Unknown	Unknown	Some information will be collected as part of the Housing Element update currently underway; may begin to see initial data September 2022.
16	Revise the Lakewood's tree preservation code.	1. Public participation plan; 2. Kickoff meeting and ongoing coordination; 3. Lakewood tree canopy situation assessment; 4. Lakewood tree code evaluation; 5. Tree advisory committee facilitation; 6. Stakeholder engagement; 7. Legislative review process.  City of Oak Harbor Garry oak tree protection <a href="https://www.codepublishing.com/WA/OakHarbor/html/OakHarbor20/OakHarbor2016.html">https://www.codepublishing.com/WA/OakHarbor/html/OakHarbor20/OakHarbor2016.html</a>  Island County Code <a href="https://library.municode.com/wa/island_county/codes/code_of_ordinances?nodeId=TITXVIIIZO_CH17.03ISCOZOZO_17.03.180L_AUSST">https://library.municode.com/wa/island_county/codes/code_of_ordinances?nodeId=TITXVIIIZO_CH17.03ISCOZOZO_17.03.180L_AUSST</a>  Pierce County Code, Table 18.1.15.030.1, Significant Trees	Energy & Built Environment and Carbon Sequestration	Internal; Ad hoc tree committee.	3	0	0	4	0	0	0	7	0	2	\$60,000	9	Early action	Started	Unique	Sep 21	Aug 22	General fund. Once the new code is adopted, depending on proposed regulations, additional staffing may be required. Cost for ½ FTE, \$45,432; for full FTE, \$90,864.



Implementation Measure #	Description	Action Steps	Category	Partners	Difficulty/ Effort			Priority				Subtotal points (D, P)	Financials (2022)			Total points (D,P,F)	Timing (Where budget constraints were identified, completion dates have been extended.)					Notes
					High 3	Medium 2	Low 1	Critical 4	Important 3	Normal 2	Low 1		In budget 4 (\$931,199)	Not in budget 2	Consulting services? (no points)		Timeframe	Progress	Frequency	Start Date	Completion Date	
20	Explore the feasibility of reducing the city hall footprint from three floors to two floors. (Potentially reducing energy consumption.)	1. Internal discussion/establish a review committee; 2. Collect city hall as-built drawings; 3. Release RFP; 4. Review proposals; 5. Select preferred candidate; 6. Enter into contract for services; 7. Perform a needs assessment and obtain the space needs for each department; 8. Produce three floor plans informed by the needs assessment results, categorized by low, medium, and high costs; 9. Produce cost estimates for each floor plan.  Designing Government Offices for the Post-COVID Era <a href="https://www.gensler.com/blog/designing-government-offices-for-the-post-covid-era">https://www.gensler.com/blog/designing-government-offices-for-the-post-covid-era</a>  7 Urban Planning Ideas for Smarter Workplace Design <a href="https://www.newdayoffice.com/blog/7-urban-planning-ideas-for-smarter-workplace-design">https://www.newdayoffice.com/blog/7-urban-planning-ideas-for-smarter-workplace-design</a>  Lake Oswego City Hall Facilities Assessment <a href="https://www.ci.oswego.or.us/sites/default/files/fileattachments/citymanager/cityprojects/19150/city_hall.pdf">https://www.ci.oswego.or.us/sites/default/files/fileattachments/citymanager/cityprojects/19150/city_hall.pdf</a>  City of Tukwila Facilities Needs Assessment and Feasibility Study <a href="https://www.tukwila.wa.gov/departments/mayors-office/key-city-plans-and-projects/facilities-needs-assessment-and-feasibility-study/">https://www.tukwila.wa.gov/departments/mayors-office/key-city-plans-and-projects/facilities-needs-assessment-and-feasibility-study/</a>  City of Leavenworth, WA	Energy & Built Environment	Internal.	0	2	0	0	3	0	0	5	4	0	\$130,000	9	Early action	Started	Unique	Jan 22	Aug 22	\$100,000 ARPA funds; \$30,000 General Fund; RFP in-process.
23	Regularly update the Downtown Subarea Plan and the Lakewood Station District as market conditions and climate conditions change.	David Bueher: ACTION STEPS - 1. Obtain docket approval; 2. Review, and revise where needed, relevant plans and regulations; 3. Conduct a public engagement process; 4. Perform SEPA; submit notice to the state; & 5. Take legislative action on proposed amendments.	Energy & Built Environment	Internal; Lakewood Water District; Pierce County Public Works; Pierce Transit; Lakeview Light & Power; Tacoma Power.	0	2	1	0	0	2	0	5	4	0	\$0	9	Early action	Started (underway)	Every 2 years	Sep 21	Aug 22	
30	Support the implementation of the Tacoma-Pierce County Solid Waste & Hazardous Management Plan.	1. Determine Planning Area and Responsibilities 2. Involve the local SWAC; 3. Develop scope of work; 4. Develop preliminary draft 5. Public review; 6. Ecology review; 7. SEPA; 8. Submit final draft to Ecology; 9. Adopt final draft; 10. Submit adopted plan to Ecology; 11. Implement the plan (new interlocal agreement);	Waste Consumption; Education & Outreach	Pierce County; Tacoma-Pierce County Health Department; Waste Connections; other Pierce County cities; Clover Park School District; Western State Hospital; Pierce College; Clover Park Technical College; Saint Clare Hospital	0	2	0	0	3	0	0	5	4	0	\$0	9	Early action	Started	Unique	Mar 22	Continual	Project underway. Original plan adopted in 2000 & updated in 2016. A new plan is under review. City Council was provided a presentation on March 14, 2022. City staff persons assigned to monitor plan's promulgation and eventual adoption. A new plan may require amendments to the City's current contract with Waste Connections.
2	Inform city residents and businesses, the city council, planning commission, staff, and other stakeholders of the city's emission reduction targets and overall progress. Add targets and progress to the Lakewood dashboard.	1. Review metrics of other jurisdictions; 2. Choose KPIs and metrics to track; 3. Select data sources; 4. Understand the intended audience; 5. Build reports and dashboard with meaningful and straightforward graphs. 6. Review the dashboard with stakeholders.	Education & Outreach	Not applicable in early stages; may establish a uniform reporting process through the Pierce County Sustainability Collaborative.	0	2	0	0	0	2	0	4	4	0	\$0	8	Early action	Not started	Annual	Dec 22	Continual	
8	Develop plans for key commercial corridors in the city to guide redevelopment of these areas into mixed-use, pedestrian and transit-oriented corridors and nodes. Possible corridors include South Tacoma Way, Steilacoom Boulevard SW, Bridgeport Way, and Union Avenue SW. Include development standards and urban design guidelines.	1. Determine which corridor goes first; 2. Establish a work program (including a public participation plan) and schedule; 3. Hire a consultant; 4. Develop corridor planning process 5. Review transportation topics (street classification, transit, pedestrian & bicycles, parking freight, proposed capital projects, TDM, & ITS); 6. Regulations & studies; 7. Conduct a public engagement process; 8. Submit notices to the state; & 9. Take legislative action on proposed amendments.  Corridor Planning Guide: <a href="https://www.dvrpc.org/reports/07028.pdf">https://www.dvrpc.org/reports/07028.pdf</a>  City of des Moines Corridor Management Plan: <a href="https://www.seatacwa.gov/home/showpublisheddocument/14703/636301021452800000">https://www.seatacwa.gov/home/showpublisheddocument/14703/636301021452800000</a>  City of Pasco Corridors & Gateway Plan: <a href="https://www.pasco-wa.gov/DocumentCenter/View/2555/Corridors-and-Gateways-Plan-11-17-2008-INFO-08-07?bidd=-">https://www.pasco-wa.gov/DocumentCenter/View/2555/Corridors-and-Gateways-Plan-11-17-2008-INFO-08-07?bidd=-</a>	Energy & Built Environment	Lakewood PWE; Pierce Transit; neighborhood groups affiliated with specific corridors; and utility companies/public agencies.	3	0	0	0	3	0	0	6	0	2	\$400,000	8	Early action	Not started	Unique	Unknown	Unknown	General Fund; currently not budgeted, but based on other subarea plan development, \$100,000 per corridor for a total of \$400,000.
17	Examine City practices for opportunities to reduce paper consumption in the workplace. Implement a document management information system.	1. Review/amend retention schedules; 2. Prepare the documents to be converted and stored in the document management software; documents may be paper or electronic ones stored in different folders, drives or cloud services. Ensure that you have all the documents ready to be converted into the electronic format; 3. Establishing a new set of practices to accommodate, and make use of new software; 4. Add users (city departments) to the document management database. Users are added one at a time; 5. Create user roles and assign privileges; 6. Define a document organization structure; 7. Scan paper documents including building construction documents; 8. Create standardized workflows; 9. Establish 'day-forward' filing systems; 10. Train employees.  Access, How to go Paperless at Your Office <a href="https://www.accesscorp.com/blog/4-steps-to-going-paperless/">https://www.accesscorp.com/blog/4-steps-to-going-paperless/</a>  Centric Business Systems, Be Green and Sustainable Using Digital Document Management and MPS <a href="https://www.centricbiz.com/be-green-and-sustainable-using-digital-document-management-and-mps/">https://www.centricbiz.com/be-green-and-sustainable-using-digital-document-management-and-mps/</a>	Waste Consumption	Internal.	0	2	0	0	0	2	0	4	4	0	\$300,000	8	Early action	Started	Unique	Feb 21	Feb 26	General fund.

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					High 3	Medium 2	Low 1	Critical 4	Important 3	Normal 2	Low 1		In budget 4 (\$931.199)	Not in budget 2	Consulting services? (no points)		Timeframe	Progress	Frequency	Start Date	Completion Date	
26	Adopt and enforce the 2018 Washington State Energy Code.	<p>1. SBCC Council &amp; Standing Committee Review;</p> <p>2. SBCC Legislative Review Committee;</p> <p>3. Technical &amp; Advisory Committees;</p> <p>4. WABO review;</p> <p>5. State legislative action; &amp;</p> <p>6. Local legislative action &amp; Incorporation into LMC Title 15.</p> <p>Washington State Building Code Council, Energy Code  <a href="https://sbcc.wa.gov/state-codes-regulations-guidelines/state-building-code/energy-code">https://sbcc.wa.gov/state-codes-regulations-guidelines/state-building-code/energy-code</a></p> <p>RDH, 2021 Update: Understanding the 2018 Washington State Energy Code and Seattle Energy Code Changes  <a href="https://www.rdh.com/blog/2021-update-understanding-the-2018-washington-state-energy-code-and-seattle-energy-code-changes/">https://www.rdh.com/blog/2021-update-understanding-the-2018-washington-state-energy-code-and-seattle-energy-code-changes/</a></p> <p><i>Leveled: Changes to Washington State Energy Code Requirements Cause Backlash From Contractors</i></p>	Energy & Built Environment; Consumption Management	Washington State Building Code Council (SBCC); Washington Association of Building Officials (WABO); Pierce County Master Builders Association	0	2	0	0	0	2	0	4	4	0	\$0	8	Early action	Started	Ongoing	Not applicable	Continual	New code became effective February 1, 2021. New codes have increased costs for new residential construction. Often difficult to incorporate new requirements into older residential structures. City's position is to apply flexibility in such situations.
27	Support the creation of a South Tacoma Way Bus Rapid Transit System (BRT) that connects Downtown Tacoma, Lakewood, and Joint Base Lewis McChord.	<p>1. June 2021, Pierce Transit allocates \$812,000 to study four BRT corridors, one of which includes Route 3, also known as BRT B. BTR B runs from Downtown Tacoma, along South Tacoma Way to the LakewoodSR-512 Park-and-Ride.</p> <p>2. Current project schedule (subject to change): Environmental 2028-2029; Final design 2030-2032; Final construction 2033-2034.</p> <p>3. City right-of-way permits.</p> <p>Lakewood City Council Agenda, April 11, 2022  <a href="https://cityoflakewood.us/wp-content/uploads/2022/04/2022-04-11-Council-Agenda.pdf">https://cityoflakewood.us/wp-content/uploads/2022/04/2022-04-11-Council-Agenda.pdf</a></p> <p>Pierce Transit, BRT Expansion Study  <a href="https://www.piercetransit.org/brt-expansion-study/">https://www.piercetransit.org/brt-expansion-study/</a></p> <p>The Urbanist, Pierce Transit Plans 'Stream' BRT Expansion, Bus Lane Cutbacks on First Line</p>	Transportation	Pierce Transit, Lakewood neighborhood associations, Korean business community, City of Tacoma, & JBLM.	3	0	0	0	3	0	0	6	0	2	\$0	8	Long term action	Early planning stages	Ongoing	Jun 21	2034 (tentative)	See Lakewood City Council minutes, April 11, 2022.
32	Implement water conservation efforts for households, businesses, industries, and public infrastructure. Include measures to encourage installation of drought-tolerant and native vegetation.		Waste Consumption; Carbon Sequestration; Education & Outreach	Internal, Lakewood Water District	0	0	1	0	3	0	0	4	4	0	\$0	8	Early action	Started	Ongoing	Dec 20	Continual	Project completed: City's land use and development code already have provisions which require drought-tolerant and native plants.
13	Establish a trip reduction policy that includes a remote work strategy, and appropriate technology. Consider incorporation into the city's land use and development code.	<p>1. Determining whether measures should be compulsory or voluntary, and what the appropriate methods of enforcement should be for employers and developers that do not comply;</p> <p>2. Technical support programs to assist developers, businesses, and local agencies in implementing ordinances;</p> <p>3. Baseline understanding of existing employee commute behavior and the availability of alternatives (typically gained through surveys);</p> <p>4. Methods for collecting data on travel patterns, mode sharing, and other metrics to evaluate the effectiveness of trip reduction ordinances;</p> <p>5. Examine the types of remote work models currently in practice;</p> <p>6. Merge TDM with remote work models;</p> <p>7. Take legislative action on proposed amendments.</p> <p>Washington State Revised Code, RCW 70.94.531, Transportation demand management - Requirements for employers.  <a href="http://app.leg.wa.gov/RCW/default.aspx?cite=70.94.531">http://app.leg.wa.gov/RCW/default.aspx?cite=70.94.531</a></p> <p>WSDOT Commute Trip Reduction (CTR) program website.  <a href="https://www.wsdot.wa.gov/transit/ctr/overview">https://www.wsdot.wa.gov/transit/ctr/overview</a></p> <p>Harvard Business Analytics Services; Is Remote Work Actually Better for the Environment?  <a href="https://hbr.org/2022/03/is-remote-work-actually-better-for-the-environment">https://hbr.org/2022/03/is-remote-work-actually-better-for-the-environment</a></p>	Transportation	WSDOT; Washintion Department of Commerce.	3	0	0	0	0	2	0	5	0	2	\$25,000	7	Early action	Not started	Unique	Unknown	Unknown	
15	Develop an urban forest management plan (public properties only).	<p>1. Authorization and scoping;</p> <p>2. Begin work plan development;</p> <p>3. Initial meeting(s) to gather input and assign responsibilities;</p> <p>4. Develop vision statement with input;</p> <p>5. Begin inventories and assessments: establish data collection parameters and protocols;</p> <p>6. Data collections;</p> <p>7. Strategic planning - data analysis and synthesis;</p> <p>8. Data presentation and initial goal setting meetings;</p> <p>9. Develop goals, objectives, and actions;</p> <p>10. Gain approval of the strategic plan;</p> <p>11. Implementation Plan - develop a matrix with who will complete the action and when;</p> <p>12. Monitoring plan - establish monitoring protocols, matrix;</p> <p>13. Compile draft plan;</p> <p>14. In-house review of draft plan;</p> <p>15. Public presentation of draft plan;</p> <p>16. Edit draft, compile/format final draft;</p> <p>17. Final plan approval;</p> <p>18. Begin implementation;</p> <p>19. Begin monitoring and adaptive management.</p> <p>Urban Forest Management Plan Toolkit <a href="https://ufmptoolkit.net/two/">https://ufmptoolkit.net/two/</a></p> <p>City of Tacoma Urban Forest Action Plan  <a href="https://s3-usa.s3.amazonaws.com/c/308468772/media/30025e8e44288d21005853766553642/Tacoma%2C%20WA%20Urban%20Forest%20Master%20Plan%20-%20202019.pdf">https://s3-usa.s3.amazonaws.com/c/308468772/media/30025e8e44288d21005853766553642/Tacoma%2C%20WA%20Urban%20Forest%20Master%20Plan%20-%20202019.pdf</a></p> <p>City of Seattle 2020 Urban Forest Management Plan  <a href="http://www.seattle.gov/Documents/Departments/Trees/Mangement/UrbanForestManagementPlanFinal.pdf">http://www.seattle.gov/Documents/Departments/Trees/Mangement/UrbanForestManagementPlanFinal.pdf</a></p>	Energy & Built Environment; Carbon Sequestration	Internal: Puget Sound Energy, Tacoma Power, Lakeview Light and Power, neighborhood associations, USDA Forest Service Urban and Community Forestry Program, and State of Washington Department of Natural Resources Urban and Community Forestry Program.	3	0	0	0	0	2	0	5	0	2	\$750,000	7	Early action	Not started	Unique	Unknown	Unknown	Possible funding sources to prepare a management plan may be available through the USDA Forest Service Urban and Community Forestry Program, administered through the State of Washington Department of Natural Resources Urban and Community Forestry Program. Cost to prepare plan, \$250,000. Annual maintenance costs, based on population, \$500,000.
19	Amend/revis the city council's golas that will help guide and focus city resources and program initiatives to: reduce greenhouse gas production and the carbon footprint of city government and the Lakewood community; and, reduce and minimize the potential risks of climate change.	<p>Biennially:</p> <p>1. Confirm or revise strategies advantages and disadvantages;</p> <p>2. Confirm or revise the assumptions about the future; &amp;</p> <p>3. Confirm or revise critical planning issues.</p> <p>City of Lakewood Work Plan  <a href="https://www.lakewoodwa.gov/DocumentCenter/View/1000/2020-2022-Work-Plan">https://www.lakewoodwa.gov/DocumentCenter/View/1000/2020-2022-Work-Plan</a></p>	ALL: Energy & Built Environment; Transportation; Consumption & Waste Management; Carbon Sequestration; Education & Outreach	Internal.	0	0	1	0	0	2	0	3	4	0	\$0	7	Early action	Not started	Annual	Dec 22	Continual	

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					High 3	Medium 2	Low 1	Critical 4	Important 3	Normal 2	Low 1		In budget 4 (\$931,199)	Not in budget 2	Consulting services? (no points)		Timeframe	Progress	Frequency	Start Date	Completion Date	
24	Enforce the Uniform Plumbing Code (IPC), which requires low-flow appliances and fixtures in all new development.	1. SBCC Council & Standing Committee Review; 2. SBCC Legislative Review Committee; 3. Technical & Advisory Committees; 4. WABO review; 5. State legislative action; & 6. Local legislative action & incorporation into LMC Title 15.  State Codes, Regulations & Guidelines <a href="https://sbcc.wa.gov/state-codes-regulations-guidelines">https://sbcc.wa.gov/state-codes-regulations-guidelines</a>  Water footprint calculator	Energy & Built Environment; Consumption & Waste Management	Washington State Building Code Council (SBCC); Washington Association of Building Officials (WABO); Lakewood Water District.	0	0	1	0	0	2	0	3	4	0	\$0	7	Early action	Started	Ongoing	Not applicable	Continual	Program funded through general fund & permit fees. 2018 code update was effective February 1, 2021.
29	Continue to support neighborhood events such as parks appreciation day, garage sales, and clean-up/recycling events.	1. Pick dates for events; 2. Coordinate with Waste Connections; 3. Review/revise cleanup rules; 4. Advertise; 5. Volunteers; 6. Security through LPD; 7. If feasible count volunteers or number of vehicles.  Waste Connections	Waste consumption; Education & Outreach	Waste Connections	0	0	1	0	0	2	0	3	4	0	\$0	7	Early action	Started	Ongoing	Not applicable	Continual	
14	Consider local amendments to the building codes to allow for, encourage, or require integration of passive solar design, green roofs, active solar, and other renewable energy sources.	1. Hire a consultant; 2. Initial/kick-off staff workshop; 3. Developer engagement workshop; 4. Public engagement exercises; 5. Develop design principles for "good" green development standards; 6. Update and review internal planning application review processes/staff training; 7. Develop implementation process; 8. Track and monitor the uptake of the sustainability metrics; 9. Develop incentive programs (requires coordination with utility companies); 10. Take legislative action to incorporate/expand green design principles into building, and land use and development codes.  Clean Air Partnership <a href="https://cleanairpartnership.org/cac/wp-content/uploads/2020/05/Green-Development-Standards-Implementation-CAC-May-22.pdf">https://cleanairpartnership.org/cac/wp-content/uploads/2020/05/Green-Development-Standards-Implementation-CAC-May-22.pdf</a>  City Lab, Hamilton, Ontario	Energy & Built Environment	Washington Association of Building Officials; Pierce County Master Builders Association; partnerships with surrounding cities and Pierce County; Puget Sound Energy; Tacoma Power; Lakeview Light and Power; Washington State Department of Commerce	3	0	0	0	0	0	1	4	0	2	\$300,000	6	Long term action	Not started	Unique	Unknown	Unknown	<b>NOT RECOMMENDED.</b> Assume an initial investment of a \$300,000 consultant contract plus additional building division staff. City of Olympia attempted green development standards, but dropped the program because of expense. Only available for new construction, not used for tenant improvement projects. Existing incentives will not sufficiently offset costs. Few building projects will incorporate voluntary green building techniques.
31	<b>NEW!</b> Map vulnerable community assets and disadvantaged neighborhoods.		ALL: Energy & Built Environment; Transportation; Consumption & Waste Management; Carbon Sequestration; Education &	Internal: Washington State Department of Health; Tacoma-Pierce County Health Department; West Pierce Fire & Rescue	0	0	1	0	3	0	0	4	0	2	\$0	6	Early action	Started	Ongoing	Not applicable	Continual	Project completed. Work performed by the Washington Department of Health.