

Meeting #2

March 15, 2022 5-6:30 pm Virtual	
Please click this URL to join.	
https://us06web.zoom.us/j/86883593925?pwd=QIJKMnZQMEpoUkJ5cUZ5L1p	OZEF1QT09
Passcode: 163841	

Meeting Objectives

- Share Tree Canopy Information
- Discuss Example Tree Canopy Goals
- Elect Chair/Vice Chair

Agenda

5:00-5:10 pm	Welcome and Introductions	Lisa
5:10-6:00 pm	Tree Canopy Data and Potential Goals	
Spatial Data	and Example Goals	Planlt Geo (Chris and Alex)
 Use of Goals 	in Lakewood Plan/Code	Lisa
 Discussion 		
6:00-6:20 pm	Chair/Vice Chair	
6:20-6:30 pm	Next Steps	Lisa

Upcoming engagement and code review

Enclosed Comments

- Public Comments & Committee Messages Received March 2- March 11th. Any additional comments received prior to the meeting will be forwarded to the committee.
 - Public Comment received from Christina Manetti dated March 2, 2022
 - Committee Member comment from Melissa Jackson received March 9, 2022



CITY OF LAKEWOOD | MEETING MINUTES | Meeting Date March 1, 2022

Note: meetings are hosted on Zoom and will be livestreamed via YouTube.

Zoom Link: <u>https://us06web.zoom.us/i/86883593925?pwd=QIJKMnZQMEpoUkJ5cUZ5L1pOZEF1QT09</u> Passcode: 163841

CALL TO ORDER

Lisa Grueter from BERK Consulting kicked off the meeting.

Mayor Jason Whalen called the meeting to order at 5:01pm, with welcoming remarks to the Ad Hoc Tree Advisory Committee members.

Jonathan Morales at BERK Consulting gave introductions, followed by Courtney Brunell, Planning Manager.

ROLL CALL

Committee members were invited to introduce themselves and share where they live, and what they are looking forward to in review of the Tree Code. They were also asked to state their favorite place in Lakewood. Committee members in attendance were:

	Name	Selected Affiliation from Application
1	J Alan Billingsley	Parks and Rec Advisory Board
2	John Boatman	Clover Park School District
3	Ed Brooks	Sunset Pacific General Contractors
4	Tichomir Dunlop	Washington Native Plant Society
5	Jeanne Ehlers*	Lakewood Multicultural Coalition

	Name	Selected Affiliation from Application
6	Jessie Gamble	Master Builder Association
7	Micah Glastetter	Ranger Tree Experts
8	Melissa Jackson	Nature Conservancy, Tahoma Audubon Society
9	Hank Jones	Youth Council
10	Sean Martin	Tacoma/ Pierce County Association of Realtors
11	Maya Neff	Lakewold Gardens Horticulturalist
12	Vacant	
13	Vacant	

*Jeanne Ehlers was not in attendance.

Lisa Grueter noted there are two open positions that are under consideration by City Council.

ITEMS FOR DISCUSSION

Open Public Meetings Act Review

City Attorney Heidi Wachter provided an overview of the Open Public Meetings Act (RCW 42.30). She explained what it means to be an appointed member. The Council formed the committee to have different perspectives, and it is likely that there will be discussions and disagreements by design. She provided the intent of parliamentary procedure.

City Attorney Heidi Wachter stated the Ad Hoc Committee is subject to the Open Public Meetings Act. Resources were presented to the Committee to review the Open Public Meetings Act and their responsibilities. She referenced the Public Records Act. Personal notes are not typically subject to public disclosure, but it depends on what is requested.

Mayor Whalen asked a question about Zoom and whether camera should be on during meetings since they are recorded. Heidi Wachter stated it looks more transparent if everyone can turn on their cameras, but in practice, not everyone can turn on their cameras. Council has been strong on having cameras on. There is a potential for hybrid meetings depending on trend.

Lisa Grueter (BERK Consulting) asked about email communications. Ms. Wachter noted that communication should be informational only and directed to Courtney Brunell or Lisa Grueter only; Committee members should not use emails to start a discussion, and should not reply all.

Project Scope and Schedule

Lisa Grueter led a presentation of project scope and schedule, including the tree canopy evaluation, and tree code evaluation (consultant deliverables). She went over the example activities by month.

Jonathan Morales of BERK Consulting presented a brief overview of the targeted outreach plans and stakeholder engagement/public outreach. In addition to interviews and discussion groups, the team is anticipating a brief poll, possibly via Social Media, and perhaps a self-guided tree tour.

Lisa Grueter then presented an overview of the technical work underway, including a Tree Canopy Evaluation, with PlanIT Geo. Canopy percentages will be shared by zone, and canopy on public and private lands. She also presented the work planned for the Tree Code Evaluation, such as a look at best practices, issues and options, administrative procedures, and the potential for changes with Comprehensive Plan policies and other city regulations such as critical areas.

Discussion

Ed Brooks asked about the tree canopy and heat island methodology, and data gathering, and how it was done (referring to the maps presented). Ed Brooks asked how the data sourced was corroborated, to ensure accuracy of data.

Lisa Grueter responded that publicly available data was used, such as through American Forests, and Census Tract level data. For heat islands, the data was sourced through the Trust for Public Lands. She also responded the data shown provides a snapshot and illustrates a pattern that there is more tree canopy in the west where there is more recent and lower density development, and less tree canopy in commercial areas that developed earlier. It informed some of the public participation plans but is not the only information that would be shared with the group.

Mr. Brooks also asked about how the outreach groups were selected; Lisa Grueter said the Public Participation Plan provides a list of the potentially interested entities, but the outreach to specific groups has not been finalized. We are trying to cover the bases.

J Alan Billingsley stated the Parks Board is doing some Canopy Survey work, but not sure what the status is. Suggested to reach out to gather existing resources or avoid duplicative work. Courtney Brunell, Planning Manager indicated that the canopy work is not yet available but she would coordinate with other staff on the status.

Ad Hoc Committee Charge and Roles

Lisa Grueter showed the Ad Hoc Committee Charge and Roles, from Section 6 of the Resolution. She then went over the Operating Principles; the group will strive for consensus, and meetings will start and end on time. There were no questions at that time.

PUBLIC COMMENTS

Public comments for the March 1, 2022 meeting was limited to 15 minutes. Lisa Grueter opened with the rules of sharing comments respectfully and timely; individual comments were limited to 3 minutes. Comments received, in order:

- <u>Denise Franklin</u> is a former Youth Council member and native of Lakewood and was referred by Habitat for Humanity to be considered for a spot on the Ad Hoc Committee.
- <u>Eric Seibel</u> provided thanks to the City for instituting the process and to Committee members for their service to the issue.

- <u>Beth Mueller</u> asked if the plan is to preserve trees on Parks area or trees on private land? Beth also asked about specific tree types such as Oak trees. She asked about public comment period in future meetings.
 - Lisa Grueter responded the goal is to help the City consider tree canopy goals, city wide or at a neighborhood level. The Code will cover all types of trees and may get into standards for some particular types. The Tree Code would apply to anywhere that development is proposed.
 - Lisa Grueter responded that the Ad Hoc Committee is meeting in a limited timeframe and with limited time per meeting, and future agenda time for public comment is not anticipated. However, the public can make comment via letters to the Ad Hoc Committee as well as participating in outreach and attending Planning Commission and City Council meetings. Letters/correspondence can be sent to Courtney Brunell and Lisa Grueter.
- Amelia Escobedo asked about whether there will be participation from Tribes, and which Committee members are tree advocates versus other interests. Amelia asked if meetings will be recorded and livestreamed. Amelia asked how committee members were chosen and what qualifications they had to be chosen.
 - Lisa Grueter responded that City Council set forth in the Resolution forming the Committee about the perspectives they wanted represented. She referred to the City Council Resolution, and Council meeting recordings where recommendations were made. The Committee isn't the only way to for community to participate. The Public Participation Plan identifies outreach to Tribes and other groups. There are other opportunities to provide comments.
- Christina Manetti thanked the City Council for putting the Committee together, and to BERK, and everyone who agreed to be on the Committee. She mentioned that they could offer research support to the Committee.

NEXT STEPS

Lisa Grueter went over the next steps in the process, including:

- Select a Chair and Vice Chair for the Ad Hoc Committee.
- At the next meeting, tree canopy information will be shared, and there will be discussion on the goals.
- Courtney Brunell mentioned that a website has been created and it was also posted on the City's Facebook. Lisa Grueter suggested the Public Participation Plan would be posted on the website.
 - Website Link: <u>https://cityoflakewood.us/tree-committee/</u>
- Contact information was shared for Courtney Brunell (City of Lakewood) and Lisa Grueter (BERK Consulting, Inc.):
 - Courtney Brunell, MPA, Planning Manager | 253-983-7839 | cbrunell@cityoflakewood.us
 - Lisa Grueter, AICP, Principal | 206-493-2367 | Lisa@berkconsulting.com

Discussion

Melissa Jackson asked about the best way to bring forth any research or materials.

Lisa Grueter stated they can be sent to Courtney Brunell, and she will share with the technical team and the Ad Hoc Committee.

ADJOURNMENT

Meeting was adjourned at 6:11pm by Courtney Brunell.



7878 Wadsworth Boulevard Suite 340, Arvada, CO 80003 sales@planitgeo.com | 866.256.1787

City of Lakewood, WA Tree Advisory Board March 11, 2022

RE: PlanIT Geo Presentation on Lakewood's Tree Canopy Situation Assessment

Members of the Board,

As part of the City of Lakewood's project to review and consider amendments to the Tree Preservation Code, PlanIT Geo is providing subject matter expertise regarding tree standards and tree canopy information to support the code amendment process. Phase 2 in the project's scope of work includes *Task 2.2 Lakewood Tree Canopy Situation Assessment*. With this task, PlanIT Geo is preparing a canopy cover analysis to inform the tree preservation code update. The canopy cover analysis includes:

- Tree Canopy Cover %
 - Boundaries: City, U.S. Census Blocks, Block Groups, Zip Codes, HUC 12 Watershed
- Land Cover Metrics
 - o Types: Tree Canopy, Shrub, Grass/Open Space, Impervious, Bare Soil, Water
- 2 Custom Boundary Metrics
 - o 29 Zoning Districts
 - o Public/Private
- Canopy Change 2011 2019

Attachments and Resources

The following documents are attached:

- 1. PlanIT Geo's Presentation to the Ad Hoc Committee on March 11, 2022
- 2. EarthDefine's US Tree Map fact sheet
- 3. Lakewood's Tree Equity Score Report

The following website links are additional resources for the Ad Hoc Committee to explore as backup for the materials presented on March 11, 2022:

- EarthDefine US Tree Map
 - o https://www.earthdefine.com/treemap/
- EarthDefine Land Cover Methodology and Data Sources
 - o https://www.earthdefine.com/landcover/
- Tree Equity Score Methodology and Data Sources
 - o https://www.treeequityscore.org/methodology/

CITY OF LAKEWOOD, WA Tree Canopy Situation Assessment

Tree Advisory Board Meeting #2



March 15, 2022





06 Implementation

Intros

2	What is an Urban Forest?
,)	Tree Canopy Assessment
, -	Lakewood's Tree Canopy
	Canopy Goal Setting

Introductions





Chris Peiffer

Director of Urban Forestry Consulting



Alex Hancock

Urban Forestry Climate Consultant

Jeremy Cantor

Director of Geospatial Services

TREE INVENTORY & CANOPY ANALYSIS



Strategy, Policy, & **Climate Action**





)	What is an Urban Forest?
	Tree Canopy Assessment
, F	Lakewood's Tree Canopy
•	Canopy Goal Setting
.)	Implementation



"Urban trees and forests are considered integral to the sustainability of cities as a whole. Yet, sustainable urban forests are not born, they are made. They do not arise at random, but result from a community-wide commitment to their creation and management."

CLARK ET AL.: A MODEL OF URBAN FOREST SUSTAINABILITY

What is an Urban Forest?



Benefits of Urban Forests



Safe ties and crime	Save energy and Iower energy costs for buildings
dlife and	Boost Local and Regional Economies

Conflicts with Urban Forests



Benefits of Urban Forests



Benefits from a tree planted in adequate soil volume will continue to increase beyond 200 years.





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> Implementation 06

)	What is an Urban Forest?
)	Tree Canopy Assessment
, 	Lakewood's Tree Canopy
-	Canopy Goal Setting

Tree Canopy Data: How can you use it?

- Map <u>actual and potential tree canopy</u>
- Identify <u>areas in need</u> of more canopy
- <u>Track changes</u> over time
- <u>Compare</u> with other cities
- Assess defensible space to <u>reduce wildfire risk</u>
- Map <u>risks</u> to infrastructure and buildings
- Model <u>ecosystem benefits</u>
- Measure carbon storage and sequestration

https://www.earthdefine.com/treemap



Tree Canopy Data: What's provided to Lakewood?

PlanIT Geo partnership with EarthDefine US Tree Map: High resolution tree canopy data

<u>Resolution</u> = 60-centimeter

- Compared to:
 - EarthDefine standard: 1-meter
 - National Land Cover Database: 30-meter

<u>Accuracy</u> = 98.3% (all State of WA via EarthDefine)

- Compared to 96.6% Nationwide via EarthDefine
- Assessed using 48,000 random points
 - 1,000 points/state

https://www.earthdefine.com/treemap



Comparison 30m resolution vs. 60cm resolution



Land Cover Data: How can you use it?

- Monitor <u>urban growth and land cover change</u>
- Model factors like <u>carbon storage, stormwater</u> <u>runoff, and impervious surfaces</u> in relation to land cover types
- Analyze <u>risk and vulnerability</u> related to natural disasters
- Measure <u>current and potential tree canopy</u> coverage, inform <u>policy and tree preservation</u>
- <u>Wildfire risk modeling</u> and mitigating post fire ecological impacts

https://www.earthdefine.com/treemap

Bexley, Ohio Land Cover



Land Cover Data: What's provided to Lakewood?

Land Cover Classifications

	all surfaces with non-woody
Grass / Open Space	vegetation - lawns, cropland,
	grasses, etc.
	non-vegetated non-impervious
Bare Soil	cover - snow, sand, barren
	farmland, rock, etc.
	impermeable built-up surfaces -
	roads and transportation
impervious	infrastructure, sidewalks,
	buildings, parking lots, etc.
Water	open water - lakes, rivers,
Water	streams, sea, ponds, etc.
Tree Canopy	trees
Shrubs	low woody vegetation - early
	stage or stunted trees



https://www.earthdefine.com/landcover/

Comparison 30m resolution vs. 60cm resolution





Intros

)	What is an Urban Forest?
,)	Tree Canopy Assessment
, †	Lakewood's Tree Canopy
-	Canopy Goal Setting

Lakewood's Land Cover Classification

all surfaces with non-woody Grass / Open Space vegetation - lawns, cropland, grasses, etc. non-vegetated non-impervious **Bare Soil** cover - snow, sand, barren farmland, rock, etc. impermeable built-up surfaces roads and transportation Impervious infrastructure, sidewalks, buildings, parking lots, etc. open water - lakes, rivers, Water streams, sea, ponds, etc. Tree Canopy trees low woody vegetation - early Shrubs stage or stunted trees

*Tree Canopy in the Land Classification includes water. This is omitted for UTC.



Urban Tree Canopy (UTC) Cover

Lakewood's citywide UTC = 26.3% Of the citywide UTC:

- 72% is on private land
- 28% is on public land

In total:

- 28% of private land has UTC
- 22% of public land has UTC

Lakewood's canopy has grown (2011-2019)!

• UTC gain = 53.5 acres or 0.5%





UTC by Zoning Category

Arterial Residential/Commercial, 0.2%





Pierc College Steilaco

How does Lakewood compare to other cities in the region?

City	Tree Canopy	Year		ree	Car
	Cover		Auburn		
Auburn	32%	2017	Renton		
Renton	29%	2017	Kent		
Seattle	28%	2016	Seattle		
Kent	28%	2017	Lakewood		
Lakewood	26%	2019	Everett		
Everett	21%	2017	Tacoma		
Tacoma	20%	2018		0%	ς 0/
	1	1	7	11/0	

nopy Cover Comparison







•	What is an Urban Forest?
)	Tree Canopy Assessment
, -	Lakewood's Tree Canopy
	Canopy Goal Setting
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Tree canopy targets should be localized and consider obstacles:

Development densities

 i.e., dense development patterns with more impervious surfaces have less opportunity for cover

Land use patterns

 i.e., residential areas may have more opportunity for canopy than commercial areas, but canopy cover tends to be less in residential areas of disadvantaged communities versus wealthy ones

Ordinances

• i.e., parking lot shade ordinances promote cover over some impervious areas

Climate

i.e., canopy cover in desert cities is often less than tropical cities

Community

Does the neighborhood support local canopy goals?



Fremont, CA: Canopy Goal Setting

Canopy Goal Strategies and Planting Priorities:

- Priority Land Use/Zoning Types
- Public and Private Ownership
- Low Tree Canopy Areas
- High Surface Temperature Areas
- Underserved Populations (lower income households)
- Vulnerable Populations (under 18) and over 65)
- Areas with Low Tree Equity
- Priorities for Preservation
- Climate Goals e.g., sequestration





Simulation of Future Tree Canopy Cover

tree canopy cover guided by canopy goals

American Forests Tree Equity Score

A Tree Equity Score is a metric that helps cities assess how well they are delivering equitable tree canopy cover to all residents. The score combines measures of tree canopy cover need and priority for trees in urban neighborhoods (defined as Census Block Groups). It is derived from tree canopy cover, climate, demographic and socioeconomic data.



Tree Equity Score Find your score and help create Tree Equity in cities and towns across America.





Lakewood, WA: Tree Equity Score









Los Banos, CA: Canopy Goal Setting

Year	Canopy Goal	Total Trees (City + Public) in Timeframe	Total Trees Per Year
2025	15%	3,502	876
2040	20%	16,635	876
2050	25%	25,391	876
2065	30%	38,524	876

- Total Added Benefits in 44 Years: \$437k
- Total Added Tree Canopy: 1,111 acres
 - (850 football fields of canopy)
- City-led Tree Plantings: 50% or 440 trees/year
- Assumptions: Trees planted are large-statured at maturity, no-net-loss from development or public tree population





875 trees per year on average





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Intros

	Implementation
-	Canopy Goal Setting
ŕ	Lakewood's Tree Canopy
,)	Tree Canopy Assessment
)	What is an Urban Forest?



Implementation



Use of Canopy Data in Canopy Goals

Use of Canopy Goals in Code Updates

Tree Advisory Board Meeting #3: Share Code Evaluation



Use the chat box!

Contact Information

Chris Peiffer

Director of Urban Forestry Consulting, PlanIT Geo UFMP Project Manager (717) 579-9890 chrispeiffer@planitgeo.com

Alex Hancock

Urban Forestry Climate Consultant PlanIT Geo alexhancock@planitgeo.com





US Tree Map





Can the US Tree Map be used for change analysis?

The US Tree Map AI model can be employed to map tree canopy using aerial imagery from previous years. For most areas in the US, we have access to historical imagery starting from 2005. Using older aerial imagery multiple snapshots of tree cover can be derived for change analysis.

What is the US Tree Map?

Accurate and updated tree cover data is critical for effectively managing our tree resources. The US Tree Map (UTM) is the most detailed and up-to-date source of tree cover data for the country. It provides information on presence/absence of trees at 1-meter resolution, accurately capturing individual trees and small gaps in the forest. The data is refreshed annually to capture changes in tree cover due to deforestation, urbanization, land-use change and natural disasters.

How is this data created?

EarthDefine has leveraged advancements in computer vision and AI to solve geospatial classification challenges. We developed a robust AI model that can consistently classify tree cover in aerial imagery across the continental US. The AI model was used to classify over 120 terabytes of high-resolution color-infrared aerial imagery spanning over 3.1 million square miles to create the US Tree Map.



www.earthdefine.com

How can I use this data?

High resolution tree canopy data is used for performing a wide range of mapping and analytical applications including:

- Mapping actual and potential tree canopy in urban communities • through Urban Tree Canopy (UTC) assessments
- Assessing defensible space around buildings to reduce wildfire risk •
- Mapping risks to utility infrastructure like powerlines .
- Modeling of tree services like air and water pollutions mitigation
- Measuring carbon storage and sequestration •
- Wildfire modeling
- Assessing tree risks to residential properties

How accurate is the US Tree Map?

The US Tree Map has an overall accuracy of 96.6%. In census defined urban areas the overall accuracy is higher at 97.3%. Accuracy was assessed using 48,000 random points (1,000 points/state).

Alabama	98.7%	Nebraska	98.2%
Arizona	98.7%	Nevada	99.3%
Arkansas	95.7%	New Hampshire	98.6%
California	98.7%	New Jersey	98.6%
Colorado	97.6%	New Mexico	91.3%
Connecticut	95.2%	New York	91.7%
Delaware	95.2%	North Carolina	92.1%
Florida	99.1%	North Dakota	99.7%
Georgia	97.8%	Ohio	100.0%
Idaho	98.1%	Oklahoma	98.2%
Illinois	96.7%	Oregon	98.8%
Indiana	98.0%	Pennsylvania	93.4%
lowa	98.6%	Rhode Island	93.4%
Kansas	99.2%	South Carolina	92.2%
Kentucky	99.4%	South Dakota	92.7%
Louisiana	98.6%	Tennessee	99.9%
Maine	95.0%	Texas	97.0%
Maryland	89.9%	Utah	98.4%
Massachusetts	93.8%	Vermont	97.9%
Michigan	97.4%	Virginia	95.3%
Minnesota	98.8%	Washington	98.3%
Mississippi	99.1%	West Virginia	97.2%
Missouri	92.3%	Wisconsin	94.0%
Montana	96.4%	Wvoming	99.1%

How can I learn more?

Product page and evaluation data: https://www.earthdefine.com/treemap Contact us at: info@earthdefine.com Phone: 800-579-5916

www.earthdefine.com



How does this data compare to other existing datasets?

Currently, the National Land Cover Database (NLCD) provides nationwide tree canopy at 30-meter resolution. However, the coarse resolution and a 5-year update cycle makes it unsuitable for many kinds of geospatial analyses. The US Tree Map overcomes these limitations by classifying tree canopy at 900 times the spatial resolution and updating the data annually (see comparison above).





MUNICIPALITY **Tree Equity Score**

Lakewood

Tree Equity Score: 69

Urbanized Area Summary

Urbanized area population	70,774
People of color	51%
People in poverty	40%

Seniors	14%
Children	23%
Unemployment rate	7%

% Tree Canopy vs.



Distribution of Tree Equity Scores



Each bar represents the mean tree canopy % for block groups within the specified range of people of color . The amount above or below the thick horizontal line indicates the difference from the area-wide mean canopy %.

© Mapbox © OpenStreetMap

Download Data

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Get all block groups to a Tree Equity Score of 75

28 of 50 have a Tree Equity Score below 75.

59,634 trees will be needed to get all block groups to a score of **75**. See the significant benefits to the community this will create.

Sources: i-Tree Landscape, American Forests. For more details, review our methodology.

Total Canopy Added	Annual Ecosystem Service Value	Jobs Supported
5.5 %	\$1.0 Million	434.0
Annual Service Benefits		
Carbon Sequestered	Carbon Monoxide	Nitrogen Dioxide
858.2 tons	0.2 tons	2.9 tons
Sulfur Dioxide	PM10* Pollution	PM2.5 Pollution
0.5 tons	6.7 tons	0.6 tons
Ozone	Runoff Avoided	Rain Interception
11.7 tons	260,417 m ³	359,359 m ³



TO:Tree Advisory Adhoc CommitteeFROM:Courtney Brunell, Planning ManagerDATE:March 15, 2022SUBJECT:Election of Chair and Vice-Chair

I. Background

Resolution 2021-15 which approved the formation of the Tree Advisory Adhoc Committee required that the committee appoint a chair and vice chair.

II. Chair, Vice Chair responsibilities

Consistent with Lakewood Municipal Code Chapter 2.48.030, the Chair:

- A. Shall preside over all meetings of the Board, and retain the full right to vote in all board deliberations.
- B Decides all points of order and procedural matters subject to the rules and By-Laws.

The Vice Chair will serve as the Chair in the Chair's absence.

III. Process for Making Nominations

- 1. The presiding officer opens the floor for nominations.
- 2. A board member makes a nomination for a specific office.
- 3. Nominations do not require a second.
- 4. A Board Member can nominate himself/herself.
- 5. A Board Member should not offer more than one nomination until all other Commissioners have had the opportunity to make nominations.
- 6. The presiding officer can continue presiding, even if he/she is one of the nominees for the office.
- 7. A Board Member can decline the nomination during the nomination process.
- 8. After each nomination, the presiding officer repeats the name of the nominee to the

Board Members and public.

- 9. Nominations are taken for successive offices in the order they are listed in the bylaws (Chair and Vice-Chair).
- 10. Motions to close nominations are unnecessary because the nomination process simply continues until no one wishes to make further nominations.
- 11. Officers are elected after the presiding officer requests a vote, the board member with the highest number of votes is elected to the office.

Public Comment- Tree Advisory Adhoc Committee

Courtney Brunell

From:	Christina Manetti <manetti.christina@gmail.com></manetti.christina@gmail.com>
Sent:	Wednesday, March 2, 2022 12:17 PM
То:	Courtney Brunell; lisa@berkconsulting.com
Subject:	offer of research support
•	

This email originated outside the City of Lakewood. Use caution when following links or opening attachments as they could lead to malicious code or infected web sites. When in doubt, please contact the HelpDesk. - helpdesk@cityoflakewood.us ext. 4357

Dear Ad Hoc Tree Committee Members,

It was very nice to "meet you" virtually yesterday during all of your introductions at the first ad hoc tree committee meeting!

My colleagues and I would like to offer our research support in case you have questions during your work on the committee.

Over the past year, during our group's sustained efforts to save Lakewood's trees, we have become very familiar with the topic of trees, canopy cover and Garry oak habitat, and have been in contact with a wide range of specialists in the field.

We'd be more than happy to help you get answers to your questions. Our group has members with a variety of specialized expertise.

Please send your questions to: manetti@uw.edu

One of us will answer without delay if we happen to know the answer, and research the question and write up our findings for you if we don't know the answer already.

Thank you for your enthusiasm and efforts to protect Lakewood's trees!

Sincerely, Christina Manetti, Ph.D., cell 253 341 3331, <u>manetti@uw.edu</u>

Committee Comment- Tree Advisory Adhoc Committee

Courtney Brunell

From:	Melissa Jackson <meljck@yahoo.com></meljck@yahoo.com>
Sent:	Wednesday, March 9, 2022 9:54 AM
То:	Courtney Brunell
Subject:	Information To Consider - Tree Advisory Committee
Attachments:	Protecting Garry Oaks During Land Development.pdf; Garry Oak Eco Recovery Team
	Publications.html; Oregoan White Oak in Urban and Suburban Landscapes.pdf; Prairie
	Landowner Guide-W WA.pdf

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Good Afternoon Courtney,

On last week's Ad Hoc call, I mentioned that there were a few resources that might be of use to the committee as we make our recommendations.

These documents and links are the "tip of the iceberg" of the resources available. I am sending them to you so that you may determine the best way to disseminate the information.

Our Canadian neighbors have created resources for legislatures, contractors/developers, residents and gardeners. These links can be found below:

Both WA and Oregon have created guidelines for oaks in urban landscapes and properties:

Finally, here are a few examples of tree ordinances and guidelines that have been implemented across the U.S:

- North Carolina

https://content.ces.ncsu.edu/developing-successful-tree-ordinances

• D.C.'s Heritage Tree Ordinance:

https://code.dccouncil.us/dc/council/code/sections/8-651.04a.html#:~:text=8%E2%80%93651.04a.-,Protection%20of%20Heritage%20Trees.,or%20destroy%20any%20Heritage%20Tree.

- Somerville, Massachusetts Tree Protection Ordinance: https://www.somervillema.gov/departments/tree-removal-guidelines
- Sonoma County, CA Heritage or Landmark Trees Ordinance: <u>https://library.municode.com/ca/sonoma_county/codes/code_of_ordinances?nodeId=CH26DHELATR</u>

https://www.codepublishing.com/CA/Sonoma/html/Sonoma12/Sonoma1209.html

• Westmont, IL Heritage Trees Ordinance: https://www.westmont.illinois.gov/AgendaCenter/ViewFile/Item/4814?fileID=4352

- San Mateo County, Heritage Trees Ordinance:
- <u>https://planning.smcgov.org/tree-trimming-and-removal-permit</u>

Additional Tree Ordinance Examples/Ideas: <u>Vibrant Cities Lab</u> which provides <u>examples of tree protection ordinances</u>.

Again, this is a small cross section of the information available. Hopefully the committee might find some of the information useful.

Best, Melissa Jackson Lakewood Ad Hoc Committee Member