



TREE BOARD MEETING AGENDA

**Online via Zoom and In Person at
Tumwater Fire Department
Headquarters, Training Room, 311 Israel
Rd. SW, Tumwater, WA 98501**

**Monday, March 13, 2023
7:00 PM**

1. Call to Order
2. Roll Call
3. Changes to Agenda
4. Approval of Minutes
 - a. Tree Board Meeting Minutes 2/13/2023
5. Tree Board Member Reports
6. Coordinator's Report
7. Public Comment
8. Discussion – Heritage Tree Nomination at 1500 79th Ave SE
9. Discussion – Memorandum on Tree Planting & Retention Incentives
10. Discussion – Heritage Tree Storymap
11. Discussion - 2023 Arbor Day
12. Next Meeting Date - 04/11/2023
13. Adjourn

Meeting Information

The public are welcome to attend in person, by telephone or online via Zoom.

Watch Online

https://us02web.zoom.us/webinar/register/WN_6HH4XwVDRZuPDddnm5-IVw

Listen by Telephone

Call (253) 215-8782, listen for the prompts and enter the Webinar ID 886 0324 9800 and Passcode 246872.

Public Comment

The public is invited to attend the hearing and offer comment. The public may register in advance for this webinar to provide comment:

https://us02web.zoom.us/webinar/register/WN_6HH4XwVDRZuPDddnm5-IVw

After registering, you will receive a confirmation email containing information about joining the webinar.

The public may also submit comments prior to the meeting by sending an email to: AJonesWood@ci.tumwater.wa.us. Please send the comments by 1:00 p.m. on the date of the meeting. Comments are submitted directly to the Commission/Board Members and will not be read individually into the record of the meeting.

If you have any questions, please contact Sustainability Coordinator Alyssa Jones Wood at (360) 754-4140 or AJonesWood@ci.tumwater.wa.us.

Post Meeting

Audio of the meeting will be recorded and later available by request, please email CityClerk@ci.tumwater.wa.us

Accommodations

The City of Tumwater takes pride in ensuring that people with disabilities are able to take part in, and benefit from, the range of public programs, services, and activities offered by the City. To request an accommodation or alternate format of communication, please contact the City Clerk by calling (360) 252-5488 or email CityClerk@ci.tumwater.wa.us. For vision or hearing impaired services, please contact the Washington State Relay Services at 7-1-1 or 1-(800)-833-6384. To contact the City's ADA Coordinator directly, call (360) 754-4128 or email ADACoordinator@ci.tumwater.wa.us.

What is the Tree Board?

The Tumwater Tree Board is a citizen advisory board that is appointed by and advisory to the City Council on urban forestry issues, including drafting and revising a comprehensive tree protection plan or ordinance, or any other tree matter. Actions by the Tree Board are not final decisions; they are Board recommendations to the City Council who must ultimately make the final decision. If you have any questions or suggestions on ways the Tree Board can serve you better, please contact the Water Resources & Sustainability Department at (360) 754-4140.

**TUMWATER TREE BOARD MEETING
MINUTES OF VIRTUAL MEETING
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CONVENE: 7:00 p.m.

PRESENT: Chair Trent Grantham and Boardmembers Brent Chapman, Michael Jackson, Tanya Nozawa, and Dennis Olson.

Excused: Boardmember and Jim Sedore.

Staff: Sustainability Coordinator Alyssa Jones Wood.

CHANGES TO AGENDA: There were no changes to the agenda.

TREE BOARD MEMBER REPORTS: Coordinator Jones Wood reviewed a memo submitted by Boardmember Sedore correcting the Arbor Day event to reflect April 22, 2023 and comments about the proposed 2023 Arbor Day celebration in the City. He supports hosting a similar Arbor Day celebration as in 2022 but noted that last year, Earth Day participants left the park early for ivy removal prior to the tree seedling giveaway. In 2022, the Tree Board offered vine maple, Pacific crabapple, Saskatoon serviceberry, and Red Osier dogwood seedlings. Last year's seedlings represented a good collection as most of those receiving seedlings reside on small lots. He suggested adding native species of Milkweed plants to benefit Monarch butterflies that have been listed as endangered and offering the same number of seedlings for this year's event. He plans to volunteer at the event from 9 a.m. to closure. He also suggested it would be unnecessary for an arborist to attend the 2023 event. A tree planting does not necessarily need be concurrent with the Arbor Day seedling giveaway but could be scheduled when the City completes a new park or special project. He also recommends the Board should receive some feedback from seedling recipients including when and where the seedling was planted, a photo of the seedling in full leaf, and photos of the seedling in one year and after five years. The information could be forwarded to the Tree Board for its annual analysis before each Arbor Day event, as well as used by the City to promote quality landscaping.

Chair Grantham said the native milkweed, showy milkweed recommended by Boardmember Sedore is a perennial native to Eastern Washington.

MANAGER'S REPORT: Coordinator Jones Wood reported on the completion of the carbon sequestration paper by the Thurston Regional Planning Council for release on February 27, 2023. She offered to forward a copy to the Board.

Work continues on Tree and Vegetation Preservation and Landscaping code updates. Staff received draft Tree and Vegetation Preservation amendments and will forward comments to the consultant team. The Tree Board will receive a briefing on the draft in April. She is working on preparation of a memo on incentives for planting on public and private property for the Board's review in support of Urban Forestry Management Plan actions.

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Boardmember Chapman asked about efforts to recruit for the vacant Board position. Coordinator Jones Wood said a state employee who works with Boardmember Chapman has applied for the position. She has a degree in ecological forestry and is a Tumwater resident. Boardmember Sedore has also been actively recruiting individuals as well. The Mayor plans to interview after submittal of applications.

**PUBLIC
COMMENT:**

Walt Jorgensen asked about the procedure for applying for a position on the Tree Board.

Coordinator Jones Wood advised that interested individuals can complete an application located on the City's website and either send or electronically transmit the application with a letter of interest and resume to the address listed on the website.

Mr. Jorgensen asked about the number of positions on the Board. Coordinator Jones Wood said the Board is comprised of seven members. The Board has one vacancy.

Chair Grantham added that individuals can also apply to other boards and commissions by ranking their preference for serving on a particular board or commission.

**ARBOR DAY
DISCUSSION:**

Coordinator Jones Wood asked the Board to offer some recommendations on the species and quantity of giveaway trees/plants to assist in locating seedlings at different nurseries. She suggested including some alternates if some species are not available.

Boardmember Jackson commented that native Douglas fir and redcedar trees were conducive for planting in some yards last year. Last year, trees were potted increasing the price but improving the giveaway process.

Chair Grantham recommended exploring the availability of Western redcedar or a cultivar of Western redcedars in a gallon pot in addition to the species offered last year. Boardmember Jackson recommended limiting the quantity of dwarf Western redcedars to 10 and dividing the other species equally. Coordinator Jones Wood offered to follow up on sourcing native Milkweed plants.

Boardmember Chapman suggested considering a Monarch butterfly garden mix sourced through Territorial, a respected garden company in Oregon.

Coordinator Jones Wood said the cost of the gallon-sized plants last year was \$5.50 for each potted plant.

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In response to comments pertaining to remaining Tree Board funds each year, Coordinator Jones Wood explained that during the City's recent budgeting process, the Tree Board allocation was not approved; however, she was allocated a lump sum of funds for sustainability measures, which includes Tree Board expenses. Heritage Trees nominations cost the City approximately \$125-\$250 for each tree. Boardmember Sedore plans to nominate eight Garry oak trees as Heritage Trees this year.

Coordinator Jones Wood reported she plans to contact local nurseries to include the nursery that supplied plants last year to source the recommended trees, as well as Territorial's Monarch seed mix. She asked about the availability of the Board to assist in preparing handout materials if she is able to purchase dwarf Western redcedars. The Board offered to assist in preparing materials.

Chair Grantham asked about the inventory status of other giveaway items. Coordinator Jones Wood reviewed the current inventory of different giveaway items. Information for the Heritage Tree Program will be available as well as tree planting instructions from the Department of Natural Resources. Seventy-five giveaway bags have been prepared. Some additional materials are available from the National Wildlife Federation to add to each bag. Approximately 50 of two different tree posters are also available. Approximately 20 Tree City USA flags are available.

Coordinator Jones Wood reviewed a draft of the Arbor Day proclamation and requested feedback on any proposed changes.

The Board discussed and agreed to revise the proclamation to reflect the following changes to the last *Whereas* reflecting, "the City of Tumwater will celebrate Arbor Day with a free event on Saturday, April 22, 2023, from 10:00 a.m. to 12:00 p.m. at Tumwater Historical Park. At this event, residents can take home Arbor Day memorabilia, a free potted native plant to the first 100 people, and have the opportunity to ask professional foresters, landscape architects, horticulturists, and professional tree enthusiasts about the proper care and planting of trees."

Coordinator Jones Wood asked the Board to consider volunteering during the event. Commissioner Sedore has indicated he plans to attend 9 a.m. through clean up. Boardmembers Jackson, Olson, Grantham, and Nozawa volunteered to attend.

Coordinator Jones Wood asked Boardmember Chapman to consider attending different Earth Day celebrations throughout the county. She received an email from the group sponsoring Earth Day events conveying their appreciation of a presentation he provided last year. She offered to follow-up with more information by email.

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Discussion ensued on the possibility of scheduling a tree planting during the Arbor Day event. The Board preferred not pursuing a tree planting during this year's event.

Boardmember Jackson commented on several trees that were destroyed by a vehicle off Second Avenue and the possibility of replacing those trees for future tree planting.

Coordinator Jones Wood reported the City's Tree Fund balance is approximately \$90,000; however, she has been directed to spend down the balance over the next three years. Some efforts will be overseen by Water Resources and Sustainability Department staff to spend approximately \$70,000 during the next two years on riparian restoration. She is reviewing incentives on other ways to expend the funds, such as tree plantings on private properties.

Boardmember Jackson suggested the replacement of the trees along Second Avenue could be funded from the Tree Fund. Boardmember Chapman supported reserving some funds to pursue Boardmember Sedore's suggestion of planting trees in different areas of the City during special occasions. Coordinator Jones Wood said she would coordinate the request with the Parks and Recreation Department. Boardmember Chapman offered that the Board should rely on the City to help guide the Board on the locations of trees or collaborate with the board during special events.

Boardmember Olson recommended developing a list of places and people the Board can contact for tree plantings.

Boardmember Chapman asked about the possibility of the Board receiving a list of stormwater retention ponds that could accommodate trees. He has recently visited the sites of numerous stormwater retention ponds throughout the City and it appears many are engineered to accommodate trees. The City could also ensure developers are required to plant trees in appropriate stormwater facilities.

Boardmember Jackson referred to two retention ponds located on the property housing the U.S. Post Office and recent actions removing overgrown scotch broom in one pond and trees in the second pond that served as prime habitat for birds. His understands the facility is federally regulated. Many areas within the City would benefit from tree plantings along the edge of stormwater facilities.

Boardmember Chapman shared that the state added trees along the Labor and Industries Building stormwater retention pond located off Israel Road.

Boardmember Olson recommended that the Board should assume the task of determining locations that would be conducive to tree plantings.

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Coordinator Jones Wood offered to follow-up with stormwater staff and plans to develop a list of candidate locations for a future review by the Board.

Boardmember Chapman recommended the City's update of the tree ordinance should address stormwater ponds and those that are eligible should be heavily planted.

Boardmember Nozawa noted the presence of numerous red-winged blackbirds at the post office before the removal of vegetation from the retention ponds.

Boardmember Jackson said the post office removed some hardwood species in the pond of up to four to five inches in diameter.

Boardmember Chapman asked about efforts the City plans to pursue to market Arbor Day. Coordinator Jones Wood advised that marketing would follow previous methods in coordination with the City's Communications Department. She invited suggestions on other marketing alternatives.

Boardmember Chapman referred to the City of Lacey's large banner advertising Arbor Day on College Street each year. The City has posts for banners on Tumwater Boulevard and it would be a good location to install a banner advertising the Arbor Day event. Coordinator Jones Wood said she would follow up with Communications staff about the possibility of purchasing a new banner as the older and smaller banner contains the City's old logo.

The Board discussed different locations near Tumwater Historical Park for displaying a banner advertising Arbor Day.

NEXT MEETING DATE: Future meetings include a joint meeting with the Planning Commission on February 14, 2023 and a regular meeting on March 13, 2023.

ADJOURNMENT: **With there being no further business, Chair Grantham adjourned the meeting at 7:45 p.m.**

Prepared by Valerie L. Gow, Recording Secretary/President
Puget Sound Meeting Services, psmsoly@earthlink.net

TO: Tree Board
FROM: Alyssa Jones Wood, Sustainability Coordinator
DATE: March 13, 2023
SUBJECT: Discussion – Heritage Tree Nomination at 1500 79th Ave SE

1) Recommended Action:

Discussion item for Tree Board and then recommendation to City Council.

2) Background:

After the City Council adopted the Urban Forestry Management Plan on March 2, 2021 by Ordinance No. 2020-004, the Tree Board began a discussion at their April 12, 2021 meeting of the actions that are the Tree Board's primary responsibility in implementing the Plan; among those actions are those that address heritage trees.

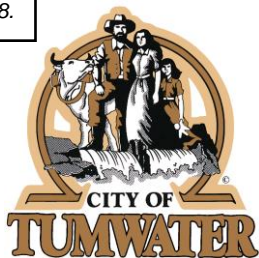
On February 3, 2023 Tumwater resident and Tree Board member Jim Sedore nominated a Garry Oak (also known as Oregon White Oak) at 1500 79th Ave SE. This nominated tree is located on City-owned property slated to become a Park. The Parks & Recreation Director Chuck Denney provided consent to the nomination. This nominated tree was assessed by the City's Tree Professional on February 8, 2023. This application is now submitted for consideration by the Tree Board and then a recommendation to the City Council for final action.

3) Alternatives:

☐ Schedule further discussion at the Tree Board's April 11, 2023 meeting

4) Attachments:

- A. Heritage Trees Discussion Memorandum
- B. Heritage Tree Nomination Form
- C. Photo & location of the Tree
- D. Heritage Tree Information Sheet provided by Jim Sedore
- E. Memorandum from Sound Urban Forestry



HERITAGE TREES

MEMORANDUM

TREE BOARD DISCUSSION – March 13, 2023

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Background

The Tumwater City Council adopted the Urban Forestry Management Plan on March 2, 2021 by Ordinance No. 2020-004. Among the Urban Forestry Management Plan actions to be implemented, two addressed heritage trees:

Action 2.1.J. Designate, register, and promote heritage trees.

Priority	Leads [Primary (P) & Secondary (S)]	Timing	Monitoring Action
#2	Community Development (P) Tree Board (S)	Start in Spring 2023 based on Peninsula Environmental Group work and update every five years thereafter	Track number of trees considered heritage trees on an ongoing basis

Action 8.1.B. Identify tree specimens, including heritage trees, on City property that illustrate proper tree care and discuss in articles on the City website and social media.

Priority	Leads [Primary (P) & Secondary (S)]	Timing	Monitoring Action
#2	Community Development (P) Parks and Recreation (S) Public Works (S) Tree Board (S)	Start in Spring 2023 and evaluate every five years thereafter	Evaluate program as compared to the Goals, Objectives, and Actions of the Plan

Heritage Tree Memorandum

Definition and Resources

From the City's Heritage Trees website, heritage trees are:

"Trees that have historical significance, by virtue of age, association to a historical structure, district, person or event, rare or unique species, or significant stand (grove) of trees can be designated as Heritage Trees, and therefore provided with special protections."

You can find out more about heritage trees on our website here:

<https://www.ci.tumwater.wa.us/departments/community-development/trees/heritage-trees>

And in TMC 16.08.075 *Heritage trees designated* here:

<https://www.codepublishing.com/WA/Tumwater/#!/Tumwater16/Tumwater1608.html#16.08.075>

Appendix 1 contains the definitions section of TMC 16.08 *Protection of Trees and Vegetation* as well as TMC 16.08.075 *Heritage trees designated*.

"Heritage trees" and "historic trees" are defined in TMC 16.08.030 as follows:

M. "Heritage tree(s)" means tree(s) designated by the city and their owners as historical, specimen, rare, or a significant grove of trees.

N. "Historic tree" means any tree designated as an historic object in accordance with the provisions of TMC Chapter 2.62.

Proposed Heritage Tree Nomination

Board Member Jim Sedore filed a nomination form for a Garry Oak tree at 1500 79th Avenue SE. The City's contracted Urban Forester visited the tree on February 8, 2023 and estimates the tree is 179 years old.

Next Steps

Staff suggests the Tree Board review the materials in the packet and discuss next steps at today's meeting.

Staff Contact

Alyssa Jones Wood, LEED Green Associate, Sustainability Coordinator
City of Tumwater Water Resources & Sustainability Department
360-754-4140
ajoneswood@ci.tumwater.wa.us

Appendix 1 – TMC 16.08 Protection of Trees and Vegetation

[...]

16.08.030 Definitions.

A. “Buildable area” is that portion of a parcel of land wherein a building, parking and other improvements may be located and where construction activity may take place. Buildable area shall not include streams, flood hazard areas, geological hazard areas or wetlands and their buffers as defined in TMC Chapter 18.04. For the purpose of calculating required tree protection open space area, existing and newly dedicated city rights-of-way shall not be included.

B. “City” means the city of Tumwater, Washington.

C. “Code administrator” means the director of the community development department or the director’s designated representative.

D. “Conversion option harvest plan (COHP)” means a voluntary plan developed by the landowner and approved by the Washington State Department of Natural Resources and the city of Tumwater, indicating the limits and types of harvest areas, road locations, and open space. This approved plan, when submitted to the Department of Natural Resources as part of the forest practice application and followed by the landowner, maintains the landowner’s option to convert to a use other than commercial forest product production (releases the landowner from the six-year moratorium on future development).

E. Critical Root Zone or CRZ. Unless determined otherwise by the tree protection professional, the root protection zone for trees means an area contained inside an area on the ground having a radius of one foot for every inch of tree diameter, measured from four and one-half feet above ground level, but in no event shall the root protection zone be less than a six-foot radius.

F. “Drip line” of a tree means an imaginary line on the ground created by the vertical projections of the foliage at its circumference.

G. “Environmentally sensitive area” means any lands with the following characteristics:

1. “Geologically hazardous areas” as defined in TMC Chapter 16.20;
2. Lakes, ponds, stream corridors, and creeks as defined in TMC Chapter 16.32;
3. Identified habitats with which endangered, threatened, or sensitive species have a primary association as defined in TMC Chapter 16.32;

4. Wetlands as defined in TMC Chapter 16.28.

H. “Grading” means excavation, filling, or any combination thereof. Excavation and grading is governed by the International Building Code (IBC).

I. “Greenbelt” means certain designated areas of a project or development that are intended to remain in a natural condition, and/or private permanent open space, or serve as a buffer between properties or developments.

J. “Greenbelt zone” means any area so designated on the official zoning map of the city and subject to the provisions of TMC Chapter 18.30.

K. “Ground cover” means vegetation that is naturally terrestrial excluding noxious or poisonous plants and shall include trees that are less than six inches in diameter measured at four and one-half feet above ground level.

L. “Hazardous tree” means any tree that, due to its health or structural defect, presents a risk to people or property.

M. “Heritage tree(s)” means tree(s) designated by the city and their owners as historical, specimen, rare, or a significant grove of trees.

N. “Historic tree” means any tree designated as an historic object in accordance with the provisions of TMC Chapter 2.62.

O. “Land clearing” or “clearing” means any activity which removes or substantially alters by topping or other methods the vegetative ground cover and/or trees.

P. “Open space” means unoccupied land that is open to the sky and which may or may not contain vegetation and landscaping features, subject to the provisions in TMC 17.04.325 and 17.12.210.

Q. “Parcel” means a tract or plot of land of any size which may or may not be subdivided or improved.

R. “Qualified professional forester” is a professional with academic and field experience that makes them an expert in urban forestry. This may include arborists certified by the International Society of Arboriculture, foresters with a degree in forestry from a Society of American Foresters accredited forestry school, foresters certified by SAF, or urban foresters with a degree in urban forestry. A qualified professional forester must possess the ability to evaluate the health and hazard potential of existing trees, and the ability to prescribe appropriate measures necessary for the preservation of trees during land development. Additionally, the

qualified professional forester shall have the necessary training and experience to use and apply the International Society of Arboriculture's Guide for Plant Appraisal and to successfully provide the necessary expertise relating to management of trees specified in this chapter.

S. "Topping" is the removal of the upper crown of the tree with no consideration of proper cuts as per the current ANSI A300 Standard. Cuts created by topping create unsightly stubs that promote decay within the parent branch and can cause premature mortality of a tree. Topping a tree is considered to be a removal, and may require a tree removal permit.

T. "Tree" means any healthy living woody plant characterized by one or more main stems or trunks and many branches, and having a diameter of six inches or more measured four and one-half feet above ground level. Healthy in the context of this definition shall mean a tree that is rated by a professional with expertise in the field of forestry or arbor culture as fair or better using recognized forestry or arbor cultural practices. If a tree exhibits multiple stems and the split(s) or separation(s) between stems is above grade, then that is considered a single tree. If a tree exhibits multiple stems emerging from grade and there is visible soil separating the stems, then each soil-separated stem is considered an individual tree. Appropriate tree species under six inches may be considered with approval of the city tree protection professional.

U. "Tree plan" is a plan that contains specific information pertaining to the protection, preservation, and planting of trees pursuant to this chapter.

V. "Tree protection open space" is a separate dedicated area of land, specifically set aside for the protection and planting of trees.

W. "Tree protection professional" is a certified professional with academic and field experience that makes him or her a recognized expert in urban tree preservation and management. The tree protection professional shall be either a member of the International Society of Arboriculture or the Society of American Foresters or the Association of Consulting Foresters, and shall have specific experience with urban tree management in the Pacific Northwest. Additionally, the tree protection professional shall have the necessary training and experience to use and apply the International Society of Arboriculture's Guide for Plant Appraisal and to successfully provide the necessary expertise relating to management of trees specified in this chapter.

(Ord. O2013-017, Amended, 08/19/2014; Ord. O2013-025, Amended, 01/07/2014; Ord. O2011-002, Amended, 03/01/2011; Ord. O2006-014, Amended, 04/17/2007; Ord. O2002-012, Amended, 07/16/2002; Ord. O97-029, Amended, 03/17/1998; Ord. O94-029, Amended, 09/20/1994; Ord. 1311, Amended, 04/07/1992; Ord. 1190, Added, 05/16/1989)

[...]

16.08.075 Heritage trees designated.

A. Trees can be nominated for designation by citizens, the Tumwater tree board, or city staff.

1. Application for heritage tree designation must be submitted to the community development department. The application must include a short description of the trees, including address or location, and landowner's name and phone number. The application must be signed by both the landowner and nominator.
2. The tree board reviews the application and makes a recommendation to the city council.
3. All heritage trees will be added to city tree inventory and public works maps.

B. Trees that are designated as heritage trees shall be classified as follows:

1. Historical – A tree which by virtue of its age, its association with or contribution to a historical structure or district, or its association with a noted citizen or historical event.
2. Specimen – Age, size, health, and quality factors combine to qualify the tree as unique among the species in Tumwater and Washington State.
3. Rare – One or very few of a kind, or is unusual in some form of growth or species.
4. Significant Grove – Outstanding rows or groups of trees that impact the city's landscape.

C. The city will provide an evaluation and recommendation for tree health and care and will provide up to one inspection annually upon request of the landowner. The city may, at its discretion, provide a plaque listing the owner's name and/or tree species/location.

D. Heritage Tree Removal.

1. A tree removal permit is required for removal of any heritage tree(s).

Heritage Tree Memorandum

2. The city tree protection professional shall evaluate any heritage trees prior to a decision on the removal permit. Recommendations for care, other than removal, will be considered.

3. Dead or hazardous trees are exempt from a tree removal permit after verification by the city tree protection professional.

E. Heritage Tree Declassification. Any heritage tree may, at any time, be removed from heritage tree status at the request of the landowner after providing two weeks' written notice to the community development department. Unless an agreement can be reached to preserve the tree, the tree will be removed from the heritage tree inventory list and the plaque, if any, will be removed.

(Amended during 2011 reformat; O2006-014, Amended, 04/17/2007; Ord. O2002-012, Amended, 07/16/2002; Ord. O2000-012, Added, 07/18/2000)

A new entry to a form/survey has been submitted.

Form Name: Heritage Tree Nomination Form
Date & Time: 02/03/2023 9:17 AM
Response #: 21
Submitter ID: 11720
IP address: 97.113.28.59
Time to complete: 13 min. , 22 sec.

Survey Details

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Heritage Tree Nomination Form

Trees that have historical significance, by virtue of age, association to a historical structure, district, person or event, rare or unique species, or significant stand (grove) of trees can be designated as Heritage Trees, and therefore provided with special protections.

Who is submitting this nomination?

(o) Resident

Nominator contact information.

Nominator Name Jim Sedore
email lizardgym@gmail.com
Daytime Phone Number (136) 075-4790

What criteria does this tree meet?

(o) Rare: One or very few of a kind, or is unusual in some form of growth or species.

Please provide an address or location of the tree(s).

1500 79th Ave, SE Tumwater WA

Please provide as much information about the tree as you can (size, type, age).

This tree is a Garry Oak, *Quercus garryana*, the only native oak of Washington State. In the 2022 Tumwater Survey of Street trees, only 7 of Garry Oaks were identified.
The tree is large (100+ feet tall). According to the WA State Dept of Fish & Wildlife, mature Garry Oaks are

unique habitat for many animals, (Larsen, E. M., and J. T. Morgan. 1998. Management recommendations for Washington's priority habitats: Oregon white oak woodlands. Wash. Dept. Fish and Wildl., Olympia. 37pp
.://efaidnbmnnnibpcajpcglclefindmkaj/https://wdfw.wa.gov/sites/default/files/publications/00030/wdfw00030.pdf

The landowner must consent to the nomination prior to consideration. Has the landowner agreed to this nomination?

(o) No

Landowner contact information

Landowner Name Mayor or City Council of Tumwater
email council@ci.tumwater.wa.us
Daytime Phone Number (360) 754-5855

If you have a a photo you would like to share, please upload it here.

Garry Oak looking South 2023.01.26.jpg

Thank you,
City of Tumwater, WA

This is an automated message generated by Granicus. Please do not reply directly to this email.










Heritage Tree Information

1500 79th Avenue – Quercus garryana

Location:	1500 79 th Avenue SE Tumwater WA 98501 In the East-center of the property						
Map							
Property owner	City of Tumwater						
Genus species	Quercus garryana						
Common name(s)	Garry Oak, Oregon Oak						
Notes on species	https://www.monumentaltrees.com/en/usa-quercusgarryana/ <table><tr><th>Location</th><th>Girth ▲▼</th><th>Height ▲▼</th></tr><tr><td> Medford, Ken Denman Wildlife Area, OR</td><td>2.44 m</td><td>?</td></tr></table>	Location	Girth ▲▼	Height ▲▼	 Medford, Ken Denman Wildlife Area, OR	2.44 m	?
Location	Girth ▲▼	Height ▲▼					
 Medford, Ken Denman Wildlife Area, OR	2.44 m	?					
Date nominated	2023.03						
Nominator	Jim Sedore						
Supporting Tumwater Municipal Code regulations	<p>1. Tumwater Municipal Code Chapter 16.08 PROTECTION OF TREES AND VEGETATION</p> <p><u>16.08.030 Definitions.</u></p> <p>G. “Environmentally sensitive area” means any lands with the following characteristics:</p> <p>3. <u>Identified habitats with which endangered, threatened, or sensitive species have a primary association</u> as defined in TMC Chapter 16.32;</p> <p>Tumwater Municipal Code Chapter 16.32 FISH AND WILDLIFE HABITAT PROTECTION 16.32.03 Definitions</p> <p>J. “Priority habitat, state” or “state priority habitat” means a seasonal range or habitat element, <u>so identified by the Washington State Department of Wildlife, with which a given species has a primary association, and which, if altered, may reduce the likelihood that the species will maintain and reproduce over the long term.</u> These might include areas of high relative diversity or species richness, breeding</p>						

	<p>habitat, winter range and movement corridors. These might also include habitats that are of limited availability or high vulnerability to alteration.</p> <p>L. "Priority species, state" or "state priority species" means <u>those species that are so identified by the Washington State Department of Wildlife due to their population status and their sensitivity to habitat manipulation. Priority species include those which are state-listed endangered, threatened and sensitive species.</u></p>
WA State Dept of F&WL publications	<p>Larsen, E. M., and J. T. Morgan. 1998. Management recommendations for Washington's priority habitats: Oregon white oak woodlands. Wash. Dept. Fish and Wildl., Olympia. 37pp.</p> <p><i>Highlights from the Executive Summary; Pages ix-xi.</i></p> <ul style="list-style-type: none"> • <u>Oaks provide habitat for species that are state listed as Sensitive, ,,</u> • <u>In urban or urbanizing areas, single oaks, or stands of oaks <0.4 ha (1 ac), may also be considered priority habitat when found to be particularly valuable to fish and wildlife (i.e., they contain many cavities, have a large diameter at breast height [dbh], are used by priority species, or have a large canopy).</u> • <u>Many invertebrates, including various moths, butterflies, gall wasps, and spiders, are found exclusively in association with this oak species. Oak/conifer associations provide contiguous aerial pathways for animals such as the State Threatened western gray squirrel, and they provide important roosting, nesting, and feeding habitat for wild turkeys and other birds and mammals</u> • <u>Oaks in Washington may play a critical role in the conservation of neotropical migrant birds that migrate through, or nest in, Oregon white oak woodlands. The decline of Oregon white oak woodlands has been accelerated by human activities --primarily oak removal</u> • <u>Management recommendations are designed to maintain and enhance the integrity of Oregon white oak woodlands, reverse the trend of oak habitat loss, and promote the protection of oak habitat that is presently in good condition. Oaks west of the Cascades and in wetter sites along the Columbia Gorge should be cut only for stand enhancement.</u> • <u>Specific recommendations include the following:</u> <ul style="list-style-type: none"> • <u>Do not cut Oregon white oak woodlands except for habitat enhancement.</u> • <u>Create snags when thinning oaks or conifers instead of removing trees.</u> • <u>Leave fallen trees, limbs, and leaf litter for foraging, nesting, and denning sites.</u> • <u>Retain contiguous aerial pathways.</u> • <u>Other oak enhancement activities include the following:</u> <ul style="list-style-type: none"> • <u>Planting Oregon white oak acorns and seedlings.</u> • <u>Selling or donating oak woodlands to conservation and land trust organizations.</u> • <u>Purchasing contiguous or notable stands of oaks by local, state, and federal agencies.</u> • <u>Designating large, contiguous oak and oak/conifer stands as critical areas.</u>

- Encouraging aggressive oak enhancement/regeneration measures by local, state, and federal agencies.

Threatened, Endangered, or candidates for these listings.

[://efaidnbmnnnibpcajpcglclefindmkaj/https://wdfw.wa.gov/sites/default/files/publications/00030/wdfw00030.pdf](https://efaidnbmnnnibpcajpcglclefindmkaj/https://wdfw.wa.gov/sites/default/files/publications/00030/wdfw00030.pdf) **Page 9 – Executive Summary**

Health
assessment

Images



Garry Oak looking South 2023.01.26 by Jim Sedore



Quercus garryana looking East– 1500 79th Ave. 2023.01.26 by Jim Sedore

History
of the
propert
y

From the Thurston County Historical Journal
Number 6
August, 2018
[efaidnbmnnnibpcajpcglclefindmkaj/https://laceyparks.org/wp-content/uploads/2022/04/Number-6-August-2018.pdf](https://laceyparks.org/wp-content/uploads/2022/04/Number-6-August-2018.pdf)

Helen Shank, Children's Advocate
Written by Karen Johnson

1951+

Between 1951 and 1953, Helen purchased several adjoining parcels of land and cobbled together around 300 acres on Bush Prairie in Tumwater. This land was attle's Capitol Hill. Finally, Helen's dream became reality in the old refurbished house where sixteen young women at a time could be eased back into society. "To many, it will be the first real home they have ever had." 72 destined to become Trails End Ranch and Trails End Stables. Apparently, when Helen bought the acreage around what would be named Trails End Lake (earlier known as Bush Lake and Drewry Lake), a single

	17cabin in the world. That same year, Helen's like home existed on the north end of the lake. Workers constructed the camp during the winter of 1953 and spring of 1954, and the ranch opened for business in the summer of 1954. Helen also petitioned the county for the establishment of a road to access her property. 73 S
1963+	Helen publicized the Trails End Ranch in newspapers, campers' association publications, and other venues. One of her 1963 press releases said, "The three hundred acre ranch, located at the end of the Oregon Trail, affords young campers an opportunity to enjoy horseback riding, swimming, water skiing, firearms training, overnight camping trips, and a three day pack trip on horseback into Washington's Cascade Mountain Range." Other activities included fishing, camp-outs, boating, archery, softball, volleyball, badminton, ping-pong, crafts, and evening campfires. Press releases also usually included a brief description of a particular camper being of interest to a specific newspaper; for example, "Pamela Haverlock, daughter of Mr. and Mrs. Bert Haverlock of Bellingham, is spending part of her summer vacation enjoying the unique camping facilities of Trails End Ranch near Olympia, Washington."91

SUF

SOUND URBAN FORESTRY, LLC

Appraisals ~ Site Planning ~ Urban Landscape Design and Management
Environmental Education ~ Risk Assessments

2/17/2023

City of Tumwater
Water Resources and Sustainability Department
Alyssa Jones Wood, Sustainability Coordinator
555 Israel Rd SW
Tumwater, WA 98501

RE: Proposed Heritage Tree – 1500 79th Ave SE Oregon White Oak

Ms. Wood:

Upon the request of the City of Tumwater, I have conducted an assessment of a tree located within the City's property at 1500 79th Ave SE. This tree has been nominated as a heritage tree by a member of the Tree Board. I visited the site on February 8, 2023.

Findings

The identified tree is an Oregon white oak (*Quercus garryana*). Diameter at breast height measures 42" with an approximate height of 85'. Canopy spread measures 60'. Overall condition is fair. There are two fungal fruiting bodies at the base on the north side.

Based on a 6" core sample and calculations the approximate age of the tree is 179 years (+/- 10 years).

Comments

The identified fungal fruiting bodies are associated with Inonotus Root and Butt Rot (*Inonotus dryophilus*). Infection is likely due to past grading that occurred on the north side, within 5' of the base. It is probable that the grading resulted in the tearing or ripping of large root(s) which allowed the wood decaying pathogen to establish. The extent of the infection is not significant at this time and has not caused instability or decline in the tree condition. I recommend it be monitored for any change in health.

The tree would benefit from selective pruning to clean the crown of dead or damaged branches measuring 3" or greater in diameter.

Professionally Submitted,



Kevin M. McFarland, Principal
Consulting Forester, Contracted City of Tumwater Tree Protection Professional
ISA Certified Arborist PN-0373 & Tree Risk Assessment Qualified

Sound Urban Forestry, LLC
P.O. Box 489
Tahuya, WA 98588
360-870-2511

Location of Nominated Tree



TO: Tree Board
FROM: Alyssa Jones Wood, Sustainability Coordinator
DATE: March 13, 2023
SUBJECT: Discussion – Memorandum on Tree Planting & Retention Incentives

1) Recommended Action:

Discussion item for Tree Board.

2) Background:

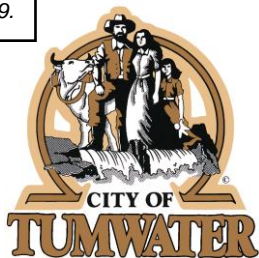
The City Council adopted the Urban Forestry Management Plan (UFMP) on March 2, 2021 by Ordinance No. 2020-004. Actions 1.1 D and 2.1 D in the UFMP direct staff to explore non-regulatory programs and incentives to engage the community to plant more trees, retain trees, and replant or reforest both public and private property. This memorandum reviews various non-regulatory incentives and programs mainly from the Cascadia bioregion which may be good examples to replicate in the City of Tumwater.

3) Alternatives:

☐ Schedule further discussion at the Tree Board's April 11, 2023 meeting

4) Attachments:

A. Memorandum on Tree Planting & Retention Incentives



Memorandum

Date: March 13, 2023
To: Tree Board
From: Alyssa Jones Wood, Sustainability Coordinator
Subject: Tree Planting & Retention Incentives

Introduction

The Tumwater Urban Forestry Management Plan, adopted in 2021, includes actions to:

Objective 1.1, Action D: *Explore non-regulatory programs and incentives to engage the community, plant more trees, and reforest property owned by the City.*

Objective 2.1, Action D: *Explore non-regulatory programs and incentives to engage the community and allow for the retention, planting, and replanting of more trees.*

This memorandum provides examples of incentives and programs from other Cities, mostly in the Pacific Northwest, that are used to promote tree planting and tree retention on public and private properties. This memorandum is organized in two sections: incentives and programs for (1) public property and (2) private property.

Public Property

When it comes to community plantings at properties owned by a municipality there appear to be three approaches: aspirational goals to plant a certain number of trees in an established timeframe, partnerships with non-profits or multiple organizations, and giveaways/refunds for residents to plant specifically and only in City-owned right-of-way.

Tacoma

The City of Tacoma advertises volunteer planting opportunities provided by Green Tacoma Partnership and Tacoma Tree Foundation.

The City of Tacoma's Grit City Program provides free street trees and supporting supplies with the intention for them to be placed in City right-of-way. Applications are online with no set deadline. Only applications with a signed Tree Care Agreement from the property owner will be approved. 59% of trees go to

March 13, 2023

Tree Planting & Retention Incentives Memorandum

communities with the greatest need as identified on the City of Tacoma Equity Index Map. The City will provide free street trees to be planted in the right-of-way, tree stakes, ties, compost, and watering supplies for the dry months. When a group of neighbors organize to participate in this program together they can receive free delivery of the trees and other materials. Individual applicants are responsible to pick-up the trees and materials from a centralized location. Once an application is approved, City staff submit the planting permit on behalf of the applicant. Educational resources such as a webpage on proper tree placement and selection, guidance on planting in right-of-way, and long-term care and maintenance are provided on the program webpage.

The City of Tacoma also offers multiple neighborhood-scale grants including the Make a Splash Grant, Neighborhood Innovative Grants, Spark Grant, Grants from Alliance for Community Trees, or the Sustainability Small Grant Program to support tree planting and care. Example projects include new street plantings, pruning existing street trees for crown clearing and crown raising, removal of stumps or hazardous/dying trees especially with replanting, reclaiming your planting strip, and starting a community orchard. Education is available on the program webpage including recommended Street Tree Lists and information on how to properly select, plant, maintain, and prune trees.

Vancouver

The City of Vancouver offers a Street Tree Refund program. The value of the refund is 50% of the cost of the tree, up to \$50. The application process is as follows:

- Apply for a street tree work permit prior to purchasing the tree. City staff will measure the right-of-way and assign a list of appropriate list of trees to plant along that street;
- Visit a local nursery, purchase the tree, and plant it in the approved location;
- Save the receipt and mail it to the City's Urban Forestry Department; and
- City staff visits the tree at the site and the applicant receives their refund by mail.

The City of Vancouver partners with non-profit Friends of Trees for volunteer tree planting events. Gloves, tools, and training are provided. Neighborhood volunteers will provide a potluck lunch right after planting.

Seattle

The City of Seattle's Green Seattle Partnership is a collaboration between the City of Seattle, community groups, non-profits, businesses, schools, and thousands of volunteers working together to restore and actively maintain the City's forested parklands. Over the program's 17 years of operation, Green Seattle Partnership has restored 1,889 acres, planted 8,595 trees, 61,418 native plants, and employed 123 paid staff people.

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Tree Planting & Retention Incentives Memorandum

Non-Pacific Northwest Cities

Outside of the Pacific Northwest, there are multiple examples of municipal-led reforestation goals and efforts. With the exception of New York City, there is no reporting available regarding the success or progress of these goals and programs.

- The Million Trees NYC initiative, led by New York City Mayor Bloomberg aims to create 2,000 acres of forest on City parkland and other public open spaces by establishing new, ecologically healthy, multi-story forests.
- The Tucson Million Trees initiative, led by the City's Mayor, aims to plant one million trees by 2030 to increase the City's tree canopy and help mitigate the effects of climate change. This program is science-based, planting native, shade, and drought-tolerant trees in heat vulnerable communities.
- The City of New Orleans partners with a non-profit group Sustaining Our Urban Landscape (SOUL) and plans to plant about 7,000 trees per year between now and 2040.
- The City of Boston partnered with American Express to establish Grow Boston Greener, an effort to plant 100,000 trees by 2020. It is unclear if that goal was achieved and now the City's Grow Boston webpage is focused on urban agriculture.
- The Mayor of Chicago established the "Our Roots Chicago" program in 2022 which has a goal to plant 75,000 trees over the next five years. Trees planted are focused in historically marginalized and underserved communities where the City's current tree canopy displays a shortage of trees.
- The Greening of Detroit is a non-profit organization that, since 1989, has planted 135,000 trees in two parks in the City of Detroit. This organization pairs the tree planting with adult workforce development training and a youth Green Corps.

Private Property

Multiple cities throughout the Pacific Northwest provide incentives to facilitate tree planting. Additionally, there are three examples included in this memorandum that speak to non-regulatory financial incentives for retaining trees, but only one of which is at a municipal scale.

Common, but not universal, components of programs include education, commitment to support the trees for at least a few years, watering bags, mulch, compost, follow-up assessments, and equity drivers for the distribution of the trees.

Kirkland

The City of Kirkland has two programs – a Rebate and a Certificate. Both programs are:

- run by the City's Storm & Surface Water Division;
- have a rolling deadline for applications;

March 13, 2023

Tree Planting & Retention Incentives Memorandum

- are valued at \$500 per property with a lifetime maximum of \$1,000 per property;
- include the costs of trees, 2-3 bags of compost and mulch per tree, and watering bags; and
- Require that applicants purchase trees that are included on a pre-approved tree list.

The Certificate approach is designed so there is little to no out-of-pocket costs for the property owner or tenant. The application process for the Certificate approach is as follows:

1. Take and pass an online tree planting course;
2. Visit a WSNLA nursery;
3. Submit a certificate application;
4. The City reviews the application and mails the certificate;
5. The applicant uses the certificate to purchase the tree(s) from a WSNLA nursery;
6. The applicant plants the tree(s); and
7. City staff conduct annual follow up with applicants to check on tree health and provide maintenance/care recommendations.

The Rebate approach is simpler and allows applicants to purchase trees anywhere, but it does involve out-of-pocket costs. The application process for the Rebate approach is as follows:

1. Take and pass an online tree planting course;
2. Purchase and plant the tree(s);
3. Submit the rebate form; and
4. City staff will conduct annual follow-up with participants to check on the tree health and provide maintenance/care recommendations.

The City's website includes a webpage with links to a Tree Planting PDF and Tree Care PDF guide. The City will not provide additional rebates for trees that do not survive. Rebates or Certificates cannot be used to remove/replace existing trees on the property. If an applicant's property had a tree removal permit issued in the last 12 months, they will only be eligible for 50% of the normal value. All trees planted must be within the City of Kirkland city limits. This program does not permit these trees to be planted in the City right-of-way. Trees must be planted at least 10 feet from buildings, 5 feet from property lines, 5 feet from pavement edges, 20 feet from streetlights and other trees, 30 feet from corner curbs, and 10 feet from underground utilities.

Lynnwood

The City of Lynwood offers a Certificate program. The program appears to have a rolling deadline and is valued at up to \$500. City residents can apply for this program once per year. The program can only be utilized with WSNLA nurseries. There are no tree species or planting location restrictions.

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Tree Planting & Retention Incentives Memorandum

The application process is as follows:

1. Confirm eligibility (within City limits and haven't received vouchers in the last 12 months);
2. Go to a participating WSNLA nursery;
3. Fill out the online application;
4. The City reviews the application;
5. If the request is approved, the applicant will receive tree vouchers in the mail which must be used within one year; and
6. Once the tree is planted, call the number on the voucher approval. The City may do an inspection of the newly planted trees.

There is no education component to this program.

Portland

The City of Portland has a "Treebate" program run by its Stormwater utility. The program is open from September 1 to April 30 each year. The Treebate program credits up to \$10 for edible fruit trees, \$20 for small trees, \$30 for medium trees, and \$40 for large trees. This credit is applied to the property owner's City utility bill. Trees planted and credited under the Treebate program are intended to be planted in the yard of a single-family home or duplex. If an applicant is applying for more than five trees, they must include a site plan to show that all the trees will be enough space to reach their full mature height and width. Tree species planted within this program cannot be on the City's Nuisance Tree list and must be 4 feet tall measured from the top of the soil. Tenants of rental properties can participate in the program with permission of the property owner, but the rebate will be issued to the utility account holder. Treebate is for new trees only and cannot be used to replace existing or dead trees.

The application process is as follows:

1. Apply online
 - a. Include your City of Portland Water, Sewer, and Stormwater Account Number;
 - b. Scan or photograph receipts;
 - c. Agree to a "Tree Care Pledge" to provide adequate water and care for at least three years; and
 - d. Authorize staff to enter the applicant property to verify the planting and care of trees.

There is no education component to this program.

Seattle

The City of Seattle has a "Trees for Neighborhoods" program. Applications open on July 11 and close on August 8th. The trees are made available in October. The

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Tree Planting & Retention Incentives Memorandum

giveaway includes four free trees per household, a watering bag, and mulch. There is a lifetime maximum for six trees per household.

The application process is as follows:

1. Apply online including what species you're requesting from the tree option list;
2. Attend a Right Tree, Right Place webinar in July or an in-person Planting and Care workshop;
3. Applications are picked at random and those who are selected are notified; and
4. Selected applicants pick up the trees themselves and bring them home.

Renters can participate in this program with permission from the property owners. Participants can receive help selecting the right tree for the right location, training on proper planting and care, assistance for applying for street tree planting permits, ongoing care reminders, and future pruning workshop opportunities. The City can provide assistance planting trees for folks who need physical assistance, but on a limited basis. There are no commitments required to participate in this program.

Shoreline

The City of Shoreline has a "Trees for Shoreline" program. Applications open July 15 and close August 15. Giveaways happen late in September. The giveaway includes 1 tree per household, a watering bag, and bag of mulch for the tree. It is unclear how often residents can participate. Trees given away as part of this program must be planted on private property and are not permitted to be planted along streets or in right-of-way.

The application process is as follows:

1. Apply online including what species you're requesting from the tree option list;
2. Attend one in-person Tree Planting & Care Workshop; and
3. The trees and supplies are distributed at the Tree Planting & Care Workshop. Participants are responsible for transporting trees from the pick-up site to their home.

Renters of single-family homes and duplexes are eligible to participate with property owner permission. Renters of apartments are not eligible to participate. Planting assistance is subject to volunteer availability. There are no commitments required to participate in this program.

Tacoma

The City of Tacoma offers a Tree Coupon program. Applications are online and open from October 1 to March 15. Coupons must be redeemed by March 31. The coupon value is \$30 off each tree purchased and can apply to up to three trees per coupon. Coupons are accepted at nurseries that the City has developed this relationship with. Trees purchased with the Tree Coupons can be planted on private property or right-of-way. However, if the tree is planted in right-of-way, it must be a species

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Tree Planting & Retention Incentives Memorandum

included on the recommended tree planting list and a no-fee permit is required. Tree coupons are one-time use per residential property. If there is a new owner of a property, they can contact the City and re-apply. The City produces an in-depth report on the program each year including maps for the addresses where the coupons were distributed overlaid over the Tacoma Equity Index and qualitative survey information from participants. The City has a “Planting and Growing” webpage with information on how to properly plant and care for trees.

Vancouver

The City of Vancouver has a “Yard Tree Giveaway Program”. There are no specific application dates listed on the program’s webpage. The giveaway includes 1 tree per household, 1 bag of mulch, and tree planting and care information. It is unclear how often residents can participate. Trees are intended to be planted on private residential property within the city of Vancouver city limits. Trees may not be planted in containers, as street trees, or to fulfill planting requirements. Trees should be planted 10 feet from one’s home, 2 feet from property lines, and 5 feet away from driveways and water meters. Applicants register for the giveaway online and trees are distributed first-come first-served. The event is drive-through. Tenants are eligible to participate in the program with approval from the property owner.

Free planting and delivery is available for people with limited mobility by request. The City’s website has a webpage with tree planting and care instructions and a summer tree care video. Tree recipients must commit to watering, mulching, and caring for their trees.

The City of Vancouver also has a “Treefund” refund program. This program is funded by the City’s Tree Fund where donations, penalties, and mitigation funds are deposited. The refund is for 50% of the cost of up to 5 trees, up to \$50 per tree. The application process is as follows:

- Review list of approved yard trees;
- Visit your local nursery and purchase your approved yard tree and plant it in your yard within the City of Vancouver;
- Complete your application and mail it and the purchase receipt to the City; and
- You receive the refund in the mail.

The Vancouver Urban Forestry program also provides a series of free, educational workshops. Current offerings include:

- Fruit Tree Pruning Workshop;
- Winter Tree ID Workshop;
- Tree & Shrub Pruning Workshop; and
- Tree Pests & Diseases Workshop.

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Tree Planting & Retention Incentives Memorandum

Vancouver, British Columbia

The City of Vancouver, BC has developed a “Citizen Coolkit on Climate Change and Urban Forestry” to engage its residents in learning about climate change and the benefits of green infrastructure. This toolkit is intended to be used by families, neighbors, and friends. The Coolkit specifically includes pledges at the end to plant a suitable tree in the reader’s yard, to water street trees during dry seasons, and to volunteer at planting events with friends/family/neighbors. This Coolkit also includes information on good tree and native plant species, how to find the right place to plant a tree, how to plant the tree, and tree care.

This Coolkit, while a stand-alone tool, is also paired with Tree Giveaways by the City of Vancouver Board of Parks and Recreation. This giveaway, called “Branch Out”, focuses on distribution of resilient, adaptable species to private property owners in areas of the City with less than 15% canopy cover.

Tigard, Oregon

The City of Tigard, Oregon provides permanent financial and technical assistance with tree maintenance and preservations for Heritage Trees. Specifically, the City maintains the tree including:

- Pruning;
- Pest Control;
- Unwanted planted removal;
- Fertilization;
- Soil amendment; and
- Cabling and bracing.

State of Hawaii

Property owners who have designated exceptional trees on their property can deduct up to \$3,000 per exceptional tree for qualified expenditures made during the taxable year to maintain the tree on their property. Exceptional trees must be designated by the local county arborist advisory committee.

Payment for Ecosystem Services

Payment for Ecosystem Services (PES) is “a voluntary transaction where well-defined Ecosystem Service (or land-use likely to secure that service) is being bought by a minimum of one Ecosystem Service buyer from an Ecosystem Service provider if and only if the Ecosystem Service provider secures the Ecosystem Service (Bauchet, 2020). In 1997 Costa Rica became the first country to offer payments for ecosystem services. Following the success of Costa Rica’s program, other Countries have followed suit including but not limited to Mexico, China, Uganda, Honduras, and Bolivia. As an example., in Uganda a local non-profit – the Chimpanzee Sanctuary and Wildlife Conservation Trust – designed the program and paid an annual payment of \$28 per hectare for the property owners to not cut down any mature trees. The results in each country have shown to be promising.

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Tree Planting & Retention Incentives Memorandum

A 2011 report asserts that the United States participates in PES for forest-based ecosystem services mostly through wetland mitigation, averaging a payment of \$5.22 per acre of forestland (Mercer et al., 2011). Other Federal programs that provide PES for private landowners include:

- Conservation Reserve Program
- Conservation Reserve Enhancement Program
- Forest Land Enhancement Program
- Forest Legacy Program
- The Environmental Quality Incentives Program
- Wetlands Reserve Program
- Healthy Forests Reserve Program; and
- Conservation Security Program.

Additionally, some non-regulatory incentives for tree retention exist within the voluntary carbon market.

Cited Sources

Bauchet, Jonathan, Nigel Asquith, Zhao Ma, Claudia Radel, Ricardo Godoy, Laura Zanotti, Diana Steele, Benjamin M. Gramig, and Andrea Estrella Chong. "The practice of payments for ecosystem services (PES) in the Tropical Andes: Evidence from program administrators." *Ecosystem Services* 45 (2020): 101175.

Mercer, David, David Cooley, and Katherine Hamilton. "Taking Stock: Payments for Forest Ecosystem Services in the United States." *Https://Www.Forest-Trends.Org/Wp-Content/Uploads/Imported/ForestPES_Final.Pdf*, 2011.
https://www.forest-trends.org/wp-content/uploads/imported/ForestPES_Final.pdf.

TO: Tree Board
FROM: Alyssa Jones Wood, Sustainability Coordinator
DATE: March 13, 2023
SUBJECT: Discussion – Heritage Tree Storymap

1) Recommended Action:

Review the Heritage Tree Storymap and provide feedback.

2) Background:

At the August 8, 2022 Tree Board Meeting, multiple Tree Board members expressed a desire for an interactive online map to showcase the City's Heritage Trees. Beginning in January 2023 City staff worked together, along with Board Member Jim Sedore, to develop such a map in the form of a "Storymap".

The Heritage Tree Storymap is based off a model from the City of Portland, Oregon. This Storymap allows website visitors to see where all the Heritage Trees are, what neighborhood they're in, and allows visitors to click on the individual trees to look at photographs and data about the tree. Many of the Heritage Trees designated before the formal Heritage Tree program are missing data related to their age, Diameter at Breast Height (DBH), height, or the story behind their designation. If the Tree Board has any institutional knowledge about the trees with missing data, Staff asks that they share that information so this Storymap can be as complete as possible.

The Storymap is available on the City's Heritage Tree webpage.

3) Alternatives:

☐ Schedule further discussion at the Tree Board's April 11, 2023 meeting

4) Attachments:

TO: Tree Board
FROM: Alyssa Jones Wood, Sustainability Coordinator
DATE: March 13, 2023
SUBJECT: 2023 Arbor Day Discussion

1) Recommended Action:

Review the attached materials and be prepared to discuss.

2) Background:

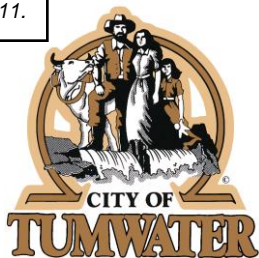
The City of Tumwater's Arbor Day Celebration will be 10 AM – 12 Noon Saturday, April 22, 2023 at Historical Park. It will be held in the same place and date as the Earth Day Celebration, which will be from 9:00 AM – 12 Noon.

3) Alternatives:

☐ No alternatives are suggested.

4) Attachments:

- A. 2023 Arbor Day Memorandum
- B. 2023 Draft Arbor Day Plants Handout



Memorandum

Date: March 13, 2023

To: Tree Board

From: Alyssa Jones Wood, Sustainability Coordinator

Subject: 2023 Arbor Day Memorandum

Issue

The Tree Board is planning for the City of Tumwater's 2023 Arbor Day Celebration and this memorandum discusses actions to consider while preparing for it.

Background

The Mayor and City Council will make their annual Arbor Day Proclamation as a special item at their Tuesday, April 4, 2023 regular meeting. Tree Board Chair Trent Grantham will be present to receive the Proclamation.

The City of Tumwater's Joint 2023 Earth Day and Arbor Day Celebration will be Saturday, April 22, 2023 at Tumwater Historical Park. Like last year, the Arbor Day Celebration will be held in the same place and date as the Earth Day Celebration, which will be from 9:00 AM to noon.

The Tree Board will host an annual celebration of Arbor Day:

10 AM – 12 noon
 Saturday, April 22, 2023
 Tumwater Historical Park
 802 Deschutes Way SW, Tumwater, WA

Set up for the Arbor Day event will begin at 9:00 AM at the large picnic shelter.

Parks and Recreation Department staff will help with setting up tables and hanging banners. We will be able to use the front of the picnic shelter with a couple of picnic tables and long built in table for Tree Board materials.

I have sent the City Communications staff updated event descriptions and have asked them to contract the School District to advertise.

The Tree Board's available biennial budget for 2023-24 is \$2,000.00 with \$1,000 budgeted for 2023 and another \$1,000 for 2024. This budget covers the cost of the Arbor Day celebration, Heritage Tree assessments, and other Tree Board related

February 13, 2023
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expenses.

At the event, residents can take home Arbor Day memorabilia, free native plant seedlings for the first one-hundred people, free wildflower, prairie, and Showy Milkweed seeds, and have the opportunity to ask tree professionals about the proper care and planting of trees.

I have ordered the following:

- 25 count #2 Vine Maple
- 25 count #1 Pacific Crabapple
- 25 count #1 Saskatoon Serviceberry
- 25 count #1 dwarf Western Redcedar.

Additionally, I have ordered 50 packets of Showy Milkweed seeds. I have an existing stock of native wildflower and native prairie seed mixes that we can give out as well.

The Arbor Day celebrations are also intended to raise awareness of Urban Forestry Management Plan. We will have an Urban Forestry Management Plan brochure available.

Communication Department staff will be publicizing the event.

Actions for the Tree Board to Consider

1. Review the 2023 City of Tumwater Arbor Day Plants attachment and provide any changes that need to be made prior to the event.
2. Clarify any other logistical details necessary for a successful event, including those listed as other notes below.

Schedule

- Monday, March 13, 2023, Tree Board discussion of Arbor Day Event
- Tuesday, April 4, 2023, City Council approves Arbor Day proclamation
- Monday, April 11, 2022, Tree Board discussion of final details for the Arbor Day Event
- Saturday, April 22, 2023, Arbor Day Celebration

Other Notes

- As part of the tree seedlings handouts, include a tag for social media with information on uploading pictures of tree plantings and then after one or more years afterwards.
- As part of the tree seedlings handouts, find participants to interview and photograph them as they plant their tree. The City could follow-up with the

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families a year or two later to observe the condition of the tree to create a storyline for the Arbor Day event.

- City communications staff could conduct interviews and publish an article in the City's newsletter.
- Establish a relationship with a local nursery to raise tree seedlings as a source of trees for the City's Arbor Day tree giveaway.
- The survivability of the trees would be increased if the giveaway offered quart or gallon stock. Providing a larger specimen creates transportation and storage issues in addition to the increased expense.
- Provide a variety of plant species for compatibility with smaller lot sizes.
- Another potential way to celebrate Arbor Day by planting trees at local schools and involving students, where the City work with the School District to schedule events at several schools or rotate schools each year.

2023 City of Tumwater Arbor Day Plants



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Vine Maple (native) *Acer circinatum*

Height: 15 feet
Width: 20 feet

Considered one of the best native trees for the home landscape, and an important part of the Northwest Forest. Vine Maple is widely enjoyed for its rugged growth habit, interesting back coloration, and beautiful fall leaf color.

Sun: Full sun

Soil Moisture: Medium

Wildlife: Birds use the seed stalks and leaves for nest building. Small mammals and birds eat the seeds. Caterpillars of the Brown Tissue Moth and Polyphemus Moth forage on the leaves.



Pacific Crabapple (native) *Malus fusca*

Height: 18 feet
Width: 15 feet

At maturity, it forms a rounded pyramidal shape. It forms branches low on the trunk.

Fragrant flowers form in April and typically last for 10 days. Small crab apples mature in the fall. They will hang on the tree well into the winter months, providing songbirds with a steady food supply.

Due to its smaller stature, it can be grown under power lines and in narrow boulevard planting strips

Bloom color: White, Pink

Bloom Time: April and May

Light Requirement: Sun

Soil Moisture: Moist and Wet

Wildlife: Fruit attracts multiple bird species. Host plant for many moth caterpillars, including the Western Tent Caterpillar Moth.



2023 City of Tumwater Arbor Day Plants



Dwarf Western Redcedar (native) *Thuja plicata*

Height: 4 to 5 feet

Width: 4 to 5 feet

A dwarf multi-stemmed evergreen shrub. Foliage turns bronze-green in winter.

Sun: Part or Full Sun

Soil Moisture: Moist and well-drained

Wildlife: Western Redcedar species are a host plant for the Cedar Hairstreak Butterfly.



Saskatoon serviceberry (Native) *Amelanchier alnifolia*

Height: 4 to 6 feet

Width: 4 to 6 feet

Bloom Time: April

Flower Color: White, Showy

Sun: Full sun to part shade

Water: Medium

Fall Color: Variable shades of yellow

Fruit: Showy, edible. Resembles blueberry in size, color, and taste. Berries may be eaten fresh off the plant or used in jams, jellies, and pies.

Wildlife: Flowers supply pollen and nectar for a large number of bees as well as hummingbirds. Fruit attracts birds including waxwings and tanagers. Host plant for swallowtail, brown elfin, Lorquin's admiral, and California hairstreak butterfly larvae. Provides dense cover for birds and small mammals.



2023 City of Tumwater Arbor Day Seeds

Showy Milkweed (Native)

Asclepias speciose

Height: 1 to 3 feet

Bloom Time: Summer

Flower Color: Pink, Showy

Sun: Full

Soil Moisture: Drought-tolerant

Wildlife: Host plant to the Monarch Butterfly

Notes: Toxic to cats, dogs, horses, and humans.



Native Pollinator Mix (Native)

Attracts bees, butterflies, hummingbirds, and beneficial insects. Mix of native annuals and perennials. This seed mix includes native bunch grasses to provide nesting habitat for bees and to reduce weed encroachment.



Douglas Meadowfoam (*Limnanthes douglasii*), Globe Gilia (*Gilia capitata*), Farewell to Spring (*Clarkia amoena*), Sea Blush (*Plectritis congesta*), Tomcat Clover (*Trifolium willdenovii*), Fragrant Popcorn flower (*Plagiobothrys figuratus*), Bicolor Lupine (*Lupinus bicolor*), Winecup Clarkia (*Clarkia purpurea*), Menzie's Fiddleneck (*Amsinckia menziesii*), Self Heal (*Prunella vulgaris*), Western Yarrow (*Achillea millefolium*), Large Camas (*Camassia leichtlinii*), Puget Sound Gumweed (*Grindelia integrifolia*), Canada Goldenrod (*Solidago canadensis*), Riverbank Lupine (*Lupinus rivularis*), Bigleaf Lupine (*Lupinus polyphyllus*), Meadow Checkermallow (*Sidalcea campestris*), Woolly Sunflower (*Eriophyllum lanatum*), Western Buttercup (*Ranunculus occidentalis*), Showy Fleabane (*Erigeron speciosus*), Common Camas (*Camassia quamash*), Prairie Cinquefoil (*Potentilla gracilis*), Roemer's Fescue (*Festuca romerii*), Tufted Hairgrass (*Deschampsia cespitosa*), and Meadow Barley (*Horedum brachyantherum*).

Northwest Prairie Mix (Native)

This plant assemblage does include species that will flower from spring to fall, providing a source of pollen and nectar throughout the growing season.

Globe Gilia (*Gilia capitata*), Farewell to Spring (*Clarkia amoena*), Menzie's Fiddleneck (*Amsinckia menziesii*), Self Heal (*Prunella vulgaris*), Western Yarrow (*Achillea millefolium*), Large Camas (*Camassia leichtlinii*), Big Leaf Lupine (*Lupinus polyphyllus*), Riverbank Lupine (*Lupinus rivularis*), Woolly Sunflower (*Eriophyllum lanatum*), Showy Fleabane (*Erigeron speciosus*), Roemer's Fescue (*Festuca romerii*), Tufted Hairgrass (*Deschampsia cespitosa*), Meadow Barley (*Horedum brachyantherum*), Blue Wild Rye (*Elymus glaucus*), California Brome (*Bromus carinatus*), Red Fescue (*Festuca rubra*), Slender Wheatgrass (*Elymus trachycaulus*), Pine Bluegrass (*Poa secunda*).

