CITY OF OREGON CITY
NATURAL RESOURCES COMMITTEE
AGENDA

Virtual Meeting
Wednesday, June 09, 2021 at 6:00 PM

This meeting will be held online via Zoom; please contact planning@orcity.org for the meeting link. In-person attendance will not be available.

CALL TO ORDER

ADOPTION OF THE AGENDA

Committee members have the opportunity to move items to New Business/Discussion Items from Communications if they are interested in discussion. The Committee may also add an item to the agenda with the consensus of the Committee.

PUBLIC COMMENT

Citizens are allowed up to 3 minutes to present information relevant to the City but not listed as an item on the agenda. The Chair has the discretion to waive limitations. Prior to speaking, citizens shall complete a comment form and deliver it to the Staff Member. The Natural Resources Committee does not generally engage in dialog with those making comments but may refer the issue to the City Manager.

NEW BUSINESS/DISCUSSION ITEMS

1. Oregon City Tree Recovery Program - Restoring Tree Canopy Damage from the 2021 Ice Storm

OLD BUSINESS

2. Street Tree List Update

APPROVAL OF MINUTES

Please review minutes prior to meeting.

3. Approval of NRC Minutes for July 8, 2020

COMMUNICATIONS

FUTURE AGENDA ITEMS

ADJOURNMENT

PUBLIC COMMENT GUIDELINES

Complete a Comment Card prior to the meeting and submit it to the City Recorder. When the Mayor/Chair calls your name, proceed to the speaker table, and state your name and city of residence into the microphone. Each speaker is given three (3) minutes to speak. To assist in tracking your speaking time, refer to the timer on the table.

As a general practice, the City Commission does not engage in discussion with those making comments.

Electronic presentations are permitted but shall be delivered to the City Recorder 48 hours in advance of the meeting.

ADA NOTICE

The location is ADA accessible. Hearing devices may be requested from the City Recorder prior to the meeting. Individuals requiring other assistance must make their request known 48 hours preceding the meeting by contacting the City Recorder's Office at 503-657-0891.

Agenda Posted at City Hall, Pioneer Community Center, Library, City Website.

Video Streaming & Broadcasts: The meeting is streamed live on the Oregon City's website at www.orcity.org and available on demand following the meeting. The meeting can be viewed on Willamette Falls Television channel 28 for Oregon City area residents as a rebroadcast. Please contact WFMC at 503-650-0275 for a programming schedule.

CITY OF OREGON CITY

Staff Report

625 Center Street
Oregon City, OR 97045
503-657-0891

To: Natural Resources Committee **Agenda Date:** 6/3/2021

From: Planner Kelly Reid

SUBJECT:

Oregon City Tree Recovery Program - Restoring Tree Canopy Damage from the 2021 Ice Storm

STAFF RECOMMENDATION:

Discuss and provide feedback to staff and forward an endorsement to the City Commission.

EXECUTIVE SUMMARY:

Planner Kelly Reid will present the draft Tree Recovery Program. The program addresses the proposed tree replanting and recovery effort, related programs and partnerships, waivers and exemptions to streamline compliance with city codes, publicity, and an application process.

BACKGROUND:

Please review attached draft Tree Recovery Program Summary and the Draft Utility Bill insert attached to this agenda item.

OPTIONS:

1. Discuss and endorse the program.
2. Discuss and recommend modifications or additions to assure program success, and endorse the program
3. Do not endorse the program.

BUDGET IMPACT:

Amount: $ 200,000 + additional funds

FY(s): TBD

Funding Source(s): Tree Mitigation Fund

OREGON CITY

DRAFT

Tree Recovery Program

Restoring Tree Canopy Damage from the 2021 Ice Storm

TREE REPLANTING AND PRESERVATION EFFORTS

- Planting up to 415 trees in the right of way and in front yards through our typical tree planting program. Trees planted on private property would not require recording a covenant. Anticipated price: $145,000
- Two pruning workshops. The pruning would be on smaller trees (<8 years old or 6" in caliper) and would be done from the ground. Anticipated price: $11,000
- Arborist advice and consultations for trees >18" DBH. May also include funding for removal of large, dangerous branches. The City will hire arborists to provide tree assessments on a first come, first served basis. Anticipated price: $18,000
- Water bill insert and Trail News insert to advertise program. Anticipated price: $6,000
- Replacement of approximately 35 trees along main corridors in tree wells and medians. Including removal and stump grinding of dead trees. Anticipated price: Combing tree funds with public works funds: $30,000
- Community tree workshop/Ask the Expert An event for the community to ask questions, sign up for a tree, fulfill permitting requirements, and learn about tree species selection. Anticipated price: $2,500.
- Tree vouchers for property owners who face replacement requirements – see code compliance section. Anticipated price: $2,500

The overall budget for this project is $200,000, with some additional funding from Public Works for the tree well tree replacement work. The tree mitigation fund is the major funding source.

OTHER EFFORTS

The following efforts may be grant-funded or coordinated internally with partners such as Metro, Clackamas Community College, the Natural Resources Committee, Watershed Councils, etc. Details of each are TBD.

- Ivy removal efforts in parks and city-owned property
- Street tree inventory project
- Update of street tree species list

TREE CODE COMPLIANCE

A resolution will be presented to City Commission June 16, 2021 to waive code compliance for trees that came down due to the ice storm. The resolution would include the following:

- Waiver of requirements for tree code compliance for trees that failed or were removed due to the ice storm, provided the trees were not subject to review for compliance with an overlay district. Trees must have been removed between February 11, 2021 and Oct 30, 2021 due to ice storm damage. Resolution waiving this the code will expire October 30, 2021 pursuant to declaration of emergency for ice storm.
- Streamlining code compliance process for trees subject to an overlay district approval process. Simplify replacement requirements and create a single application form for all property owners to fill out.

Suggested overlay zone tree replacement requirements

Description of Tree Removed	**Number of Trees to be Replanted (native species only)**
Tree removed is in NROD, Geologic Hazard, or Historic overlay	One ½" caliper
Tree removed is in WRG Compatibility area (150 feet)	1" caliper for every 6" DBH
Tree removed in floodplain	None

Trees located in multiple overlapping overlays would utilize the NROD or WRG replanting requirements only, whichever results in more.

Each application would be posted online, rather than be subject to the notification processes identified in the code, and application fees will be waived. The City reserves the right to require full mitigation per code in extreme or hazardous circumstances where severe environmental damage, erosion or slope stability is a concern. If there is insufficient space to replant trees onsite, we could direct the extra plantings (or funding therefore) to city property or parks.

CONTENT FOR UTILITY BILL INSERT

This information will be formatted and edited for a utility bill insert in July 2021

The damage from the February 2021 ice storm was extensive, resulting in widespread tree loss throughout Oregon City. The Planning Division's goal is to work toward restoring our lost tree canopy through a Tree Recovery Program. The City Commission recognizes the burden that the ice storm and COVID-19 has placed on the community and has initially directed $200,000 towards tree recovery throughout our community!

IF YOU LOST TREES DUE TO THE ICE STORM

The Commission is waiving most street tree removal permits and non-residential tree removal permits for trees that came down or had to be removed because of the ice storm. By submitting your information through **this online form** before October 30, the City will add you to a list of properties where street tree removal permits are not required. The waiver will apply to trees removed between February and October 2021.

There are a small number of exceptions where the City is not able to waive tree replacement requirements. Trees in some overlay zones (i.e. environmental overlays) will be required to be replaced. The environmental protections are required by the State, so the City is unable to completely waive the protections. However, the City Commission intends to make the process as streamlined as possible. Further, some of the tree recovery funding is planned to be used to help affected property owners find and pay for new trees. If we notice that a tree you have submitted in the online form needs replacement, we will follow up with you over the summer. The streamlined replacement process will also be posted on this webpage after it is approved by the City Commission in June.

Starting this fall, the City will sponsor tree planting efforts throughout our community, and those who submitted their information online will be first in line for a replacement street tree or front yard tree. Stay tuned!

If you would like to replant trees on your own, be sure to consult our street tree species list and placement requirements, or, for trees in your yard, the Arbor Day Foundation has a helpful guide for tree species selection and planting. We recommend planting October through April, NOT during the summer!

IF YOU HAVE DAMAGED TREES DUE TO THE ICE STORM

If your tree(s) is still standing and you need arborist advice, the City may be able to assist you. Please email trees@orcity.org if you would like to request a risk assessment for your

tree to find out if it is likely to survive and not become a safety hazard. Note that pruning or removal services are not being offered, this is for assessment only.

If you submitted information about a tree on city property, and it has not yet been addressed, please email Public Works Operations Manager Vance Walker at vwalker@orcity.org

Tree care and pruning informational videos can be found on the Arbor Day Foundation website.

CITY OF OREGON CITY

Staff Report

625 Center Street
Oregon City, OR 97045
503-657-0891

To: Natural Resources Committee **Agenda Date:** 06/9/2021

From: Senior Planner Pete Walter

SUBJECT:

Street Tree List Update

STAFF RECOMMENDATION:

Discussion

EXECUTIVE SUMMARY:

The City Commission requests that the NRC review and update the City's Street Tree list. Staff will provide a brief presentation followed by discussion.

BACKGROUND:

Street Trees

All trees provide benefits such as stormwater retention, wildlife habitat, and reduced energy consumption. A street tree is a community-owned tree that grows on City property, generally located within a planter strip between the sidewalk and the street. Oregon City Municipal Code Chapter 12.08 – *Public and Street Trees*[1] like most agencies, identifies the abutting property owner as the responsible party for sidewalk repairs and maintenance and replacement of abutting street trees. Having a code that regulates the care of public trees is one of the four requirements set forth by the Arbor Day Foundation for being a Tree City USA (regulation of trees on private property is not a Tree City USA requirement)[2]. The most significant factors contributing to the longevity of a street tree include:

- planting the right species,
- in the right location,
- with the right method,
- with proper maintenance of the tree over time.

[1] https://library.municode.com/or/oregon_city/codes/municipal_code?nodeId=TIT12STSIPUPL_CH12.08PUSTTR
[2] https://www.arborday.org/programs/treecityusa/standards.cfm

Though trees provide benefits, they can cause damage to abutting sidewalks when tree roots lift sidewalk panels. This in turn may create tripping hazards, for which the abutting property owner is potentially liable if they do not repair the sidewalk. Trees and their roots will grow wherever there is sufficient soil, space, water, air and nutrients. If the wrong tree is planted in the wrong place, or constraints exist such as clay soils and insufficient space, the life of the street tree, and the sidewalk, may be foreshortened considerably.

Since the City began consistently requiring street trees to be installed with land divisions in the 1980s, development standards have evolved significantly. Today, these standards specify minimum planter strip widths, minimum sidewalk width, curb and gutter sections, tree planting requirements, and pavement thickness have evolved to improve and extend the life of these amenities. The code has changed to require larger planting areas, review of tree species, and installation of root barriers.

City staff is currently reviewing our process for review and inspection of street trees that are planted by developers.

Street Tree List - Current

The last time the street tree list was updated was in 2013, also in response to widespread concerns about sidewalk damage. Starting in 2011, public outreach was extensive. In addition to the NRC, Planning Commission and City Commission, planning staff gave presentations to and sought input from the Barclay Hills, Caufield, Gaffney Lane, South End, Tower Vista, and McLoughlin Neighborhood Associations, the Citizen Involvement Committee, and the Transportation Advisory Committee. At that time, NRC – Tree Subcommittee member Erik Carr, a Certified Arborist working for Clackamas Soil and Water District, and NRC member Bryon Boyce, an avid naturalist and botanist, were particularly helpful reviewing the street tree list and providing advice on appropriate tree species for the list. Staff also reviewed current street tree lists from around the region including Gresham, Lake Oswego, Milwaukie, Gladstone, Tualatin, Beaverton, Hillsboro, West Linn, Tigard, and Metro, and talked to City of Portland tree inspectors about their procedures. The City Commission adopted the revised street tree by Resolution 13-27 in December 2013 (attached).

Climate change and street trees

Some cities are modifying their recommended street tree lists so that tree species are chosen which are more resilient to climate change. For example, the City of Portland has included “climate forward” species such as southern magnolia and live oaks in their updated list, since these species do well in extended droughts but can also manage cooler, wetter winters when they occur[3].

The City Commission is appreciative that the Natural Resources Committee has been proactive in reviewing the Oregon City Street Tree list[4] in preparation for climate change. Additional considerations include the tree species hardiness and ability to

[3] https://www.portland.gov/trees/tree-planting/street-tree-planting-lists

[4] https://www.orcity.org/sites/default/files/fileattachments/planning/page/4264/adopted_street_tree_list_12.4.2013_0.pdf

withstand events such as the recent ice storm, although proper planting, maintenance and structural pruning is just as important to the long-term resilience of a tree than just choosing the right species. The City of Portland evaluated tree species for their list based on the following criteria:

- tree dimensions and growing habit to ensure that it is the "Right Tree, Right Place"
- site dimensions, soil volume, presence or absence of high voltage power lines
- status on the Portland Plant List (no nuisance trees)
- resistance to pests and disease
- ability to thrive in Portland's current and future climate
- current canopy diversity to ensure no tree types are overplanted
- good structure for a street tree to avoid conflicts with buildings, sidewalks, roads, cars, bikes, and people
- good strength to survive storms
- potential for wildlife habitat or pollinator attraction
- showy flowers and/or fall color
- minimal fruit or seed drop
- representation of trees native to the Willamette Valley
- local availability at nurseries or growers

Summary of Request from City Commission

While the NRC is reviewing the list for climate change, the City Commission would like the NRC's advice on the following items related to the street tree list:

- Street trees have caused significant damage to adjacent sidewalks. Though the City has adopted a street tree list and updated that list to address issues such as this, the City Commission requests that the NRC review the list with particular attention to tree species that will not cause damage to the adjacent sidewalk.
- The street tree list identifies replacement species for planter strips as narrow as 2.5 feet. The City Commission requests that the NRC identify the minimum width of a planter strip sufficient for planting.
- The City has a standard planting detail[5] which includes installation of a root barrier, but owners who are replacing trees are not required to install the barrier. The City Commission requests the NRC review the planting detail and assemble a list of planting tips to ensure that all trees have the best possible opportunity for success.
- The Planning Division maintains the following webpages under our "How Do I…?"[6] section to assist residents who are seeking information about street trees and the permitting process. Staff welcomes the NRC's suggestions for how to improve and better publicize this information.
    - How to Remove and Replace a Public / Street Tree

[5] https://mccmeetingspublic.blob.core.usgovcloudapi.net/oregoncity-meet-4fb1cd78cb8b4246a2314647384c1ff1/ITEM-Attachment-001-672cf0f5f1ac4fbf90c42af8cd9ca2d6.pdf

[6] https://www.orcity.org/planning/how-do-i

- What is the Process to Plant a Street Tree In Front of My House?
- How to Know if You Need a Tree Removal Permit

OPTIONS:

1. Discussion and direction to City staff

BUDGET IMPACT:

Amount: $

FY(s): TBD

Funding Source(s): TBD

RESOLUTION NO. 13-27

A RESOLUTION RESCINDING RESOLUTION NUMBER 98-14 AND ADOPTING A NEW OREGON CITY STREET TREE SPECIES LIST

WHEREAS, on May 6th, 1998, the City Commission adopted Resolution 98-14, a resolution by the City of Oregon City establishing a permitted street tree species list; and

WHEREAS, the Oregon City Municipal Code, Section 12.08.015 – Street Tree Planting and Maintenance Requirements, requires, in part, that species of street trees shall be selected from the Oregon City Street Tree List or be approved by a certified arborist; and

WHEREAS, City staff has worked with the Natural Resources Committee and Planning Commission to research, review and prepare the Oregon City Street Tree List that is attached as Exhibit 1, which identifies the appropriate species of tree to plant within a planter strip of a certain width; and

WHEREAS, regulating the species of trees installed in the public right of way is in the best interest of the City to insure that public infrastructure is not impacted by the planting of trees and that they do not cause maintenance problems.

NOW, THEREFORE, OREGON CITY RESOLVES AS FOLLOWS:

Section 1: The City hereby rescinds Resolution Number 98-14 and adopts the Oregon City Street Tree List, set forth herein as Exhibit "1", as the designed Street Tree List for the City, which will become effective December 4th, 2013.

Approved and adopted at a regular meeting of the City Commission held on the 4th day of December 2013.

DOUG NEELEY, Mayor

Attested on this 4th day of December 2013:

Nancy Ide, City Recorder

Approved as to legal sufficiency:

City Attorney

Exhibits:

1. Oregon City Street Tree List

OREGON CITY STREET TREE LIST - Resolution No. 13-27

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR 2.5' TO 3' PLANTING STRIP								
Cornelian Cherry Dogwood	*Carnus mas*	15	20	Yes	upright rounded to upright spreading	medium to dark green		
Eddie's White Wonder Dogwood	*Cornus nuttallii x Carnus florida*	40	15	Yes	Dense horizontal drooping habit.	Good fall color	White flowers	
Flowering Dogwood	*Cornus florida*	20	25	Yes	Upright	Bright green, lighter underside turning glowing	Small clusters before leaves appear in May	
Japanese Dogwood	*Cornus kousa*	25	25	Yes	Vine shaped	Lustrous medium green turning yellow to scarlet	Small clusters with raspberry like fruit, blooms later than most	
Starlight Dogwood	*Cornus kousa X nuttallii*	30	20	Yes	Upright, oval	Deep green, Fall red	Large, creamy white flower, fruit 3/4" , orange	
Carolina Silverbell	*Halesia carolina*	35	15'	Yes	Rounded, often low branched	yellow to yellow green autumn color.	White, bell-shaped flowers in spring offer mild interest;	
Bigleaf Snowbell Tree	*Styrax obassia*	35	25'	Yes	upright and pyramidal-oval when	dark green above, pubescent beneath	Flowers white, fragrant	
Blireiana Plum	*Prunus x blireiana*	20	20'	Yes	rounded, dense branching, trunk often	first purple but fade to green	Blooms early spring, Flowers pink, fragrant. Fruit purplish red	
Chinese Pistache	*Pistachia chinensis*	25	25'	Yes	Oval, Rounded or Umbrella	Green. Red, Gold, Orange or Multicolored in Fall.	Inconspicuous. Flowers in Spring. Fruit Prolific, Red or Mostly	
Crape Myrtle	*Lagerstroemia cultivars*	20	20'	Yes	Oval, Rounded, Umbrella or Vase	Dark green, usually with a slight gloss.	Showy, Lavender, Pink, Red, Rose or White. Flowers in Summer.	
Amur Maple	*Acer ginnala*	20	20	Yes	Round	Medium green turning orange to scarlet red	Bright red, winged fruit	
Hedge Maple	*Acer campestre*	35	30	Yes	Round to oval	Dark green turning yellow	Corky bark that is striking in winter	
Japanese Maple	*Acer palmatum*	25	25	Yes	Upright, low branching	Green, yellow or red turning scarlet, orange or		
Paperbark Maple	*Acer griseum*	25	20	Yes	Narrow to rounded	Dark green above, silvery below turning brilliant	thin strips	
Roughbark Maple	*Acer triflorum*	25	20'	Yes	Oval	dark green, becoming yellow, orange and/or	Flower yelllow.	
Vine Maple	*Acer circinatum*	25	10	Yes	Upright, spreading	Medium green turning orange to bright red	Winged fruit resembling bow ties, thrives in shade	Native
Japanese Snowbell	*Styrax japonicus*	25	25'	Yes	Rounded, horizontal	Medium to dark green, glabrous above.	Flowers perfect, bell-shaped, 2 cm wide, white with yellow	
Japanese Tree Lilac	*Syringa reticulata*	25	20'	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Eastern Redbud	*Cercis canadensis*	35	30	Yes	Round	Rich green, heart shaped turning yellow	Small rosy pink flowers with 4-6 dried pods "	
Lavelle Hawthorn	*Cratagus x lavalleii*	30	20	Yes	Upright, open	Glossy green turning bronze to copper red	White cluster flowers, showy orange-red fruit	
Summer Sprite Linden	*Tilia cordata 'Halka'*	20	15'	Yes	Dense compact crown, sheared	Yellow fall color	JF Schmidt small varietal	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 3' TO 4' PLANTING STRIP								
Trident Maple	*Acer buergeranum*	25	20	Yes	Oval to Round	Glossy green turning yellow orange red	Exfoliating bark, adaptable to varied conditions	
Vine Maple	*Acer circinatum*	25	10	Yes	Upright Spreading	Medium green turning bright orange and red	Northwest native maple, open delicate form, thrives in shade	Native
Amur Maple	*Acer ginnala*	20	20	Yes	Upright Round	Green turning yellow to scarlet red	Small fragrant flowers followed by winged fruit	
Rocky Mountain Glow Maple	*Acer grandidentotum "schmidt"*	25	15	Yes	Oval	Dark green turning bright red	Requires well drained soil	
Paperbark Maple	*Acer griseum*	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark	
Japanese Maple	*Acer palmatum*	25	25	Yes	Upright, low branching	Green, yellow or red turning scarlet, orange or	Many varieties including dwarf species	
Roughbark Maple	*Acer triflorum*	25	20	Yes	Dense and rounded	Dark green, becoming yellow, orange and/or		
Pyramidal Serviceberry	*Amelanchier canadensis pyramidalis*	30	20	Yes	Very Upright	Dark green turning brilliant red and orange	White flowers in spring, dark purple fruit attract birds	
Allegheny Serviceberry	*Amelanchier laevis*	25	15	Yes	Upright and Oval	Green turning orange in fall	White flowers in spring, blue purple fruit attract birds	
Western serviceberry	*Amelanchier alnifolia*	25	25	Yes	Vertical, dense		Metro Green Street Tree**	Native
Eddies White Wonder Dogwood	*Cornus nutalli X florida*	40	15	Yes	Dense horizontal drooping	Good fall color,	White flowers	
Starlight Dogwood	*Cornus kausa X nuttallii*	30	20	Yes	Upright, oval	Deep green, Fall red	Large, creamy white flower, fruit 3/4" , orange	
Crimson Cloud Hawthorn	*Crataegus laevigata "Crimson Cloud"*	25	18		Oval	Glossy green	Flowers are bright red with white center, bright red fruit	
Columnar Goldenrain	*Koelreuteria paniculata fastigiata*	30	6		Narrow Fastigiate	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of	
Goldenrain Tree	*Koelreuteria paniculata*	30	20		Round, Open	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of	
Newport Plum	*Prunus cerasifera*	20	20		Oval to Round	Purplish Red	Single pink flowers	
Japanese Tree Lilac	*Syringa reticulata*	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Ivory Silk Tree Lilac	*Syringa reticulata 'Ivary Silk'*	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Skyrocket Oak	*Quercus robur "Fastigiata"*	45	15		Fastigate	Dark green turning yellow brown	Interesting oak for very narrow spaces	
Summer Sprite Linden	*Tilia cardata 'Halka'*							

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 4 ½' TO 5 ½' PLANTING STRIPS								
Queen Elizabeth Hedge Maple	*Acer campestre "Queen Elizabeth"*	35	30	Yes	Upright, Oval	Dark green turning yellow		
Rocky Mountain Glow Maple	*Acer grandidentatum 'Schmidt'*	25	15		Oval	dark green, orange/yellow in fall		
Paperbark Maple	*Acer griseum*	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark	
Pyramidal European Hornbeam	*Carpinus betulas "Fastigiata"*	35	20		Dense, Upright, Pyramid to Oval	Dark green turning yellow	Retains leaves into winter, small hard nutlets in clusters	
Frans Fontaine Hornbeam	*Carpinus betulas "Frans Fontaine"*	35	15		Broadly oval	Dark green turning yellow		
Chinese Dogwood	*Carnus kousa chinensis*	30	30		Round	Green turning red	White flowers and red pink fruit	
Lavelle Hawthorne	*Crataegus x lavelle*	30	20		Upright	Dark glossy green turning bronze red	White flowers, red persistent fruit	
Saratoga Ginkgo	*Ginkgo biloba "Saratoga"*	30	30	Yes	Round	Greenish gold turning yellow	Avoid female plants, fruit is extremely messy and malodorous	
Autumn Gold Ginkgo	*Ginkgo biloba "Autumn Gold"*	45	35		Narrow broadening in age	Medium green turning gold/yellow	Seedless clone	
Princeton Sentry Gingko	*Ginkgo biloba "Princeton Sentry"*	40	15		Narrowly pyramidal	Light green turning bright yellow		
American Hornbeam	*Ostrya virginiana*	35	25		Oval	Medium green turning yellow	Male catkins visible in winter, greenish white nutlets	
Columnar Sargent Cherry	*Prunus sargentii 'Columnaris'*	35	15		Columnar	Green turning orange red	Deep pink flowers	
Pink Flair Cherry	*Prunus sargentii 'IFSKWS8'*	25	15		Narrow / Upright	Bright orange, red fall	pink clusters, blooms laters (avoids frost), upright symmetry	
Capital Pear	*Pyrus calleryana 'Capital'*	35	12		Columnar	Medium green turning reddish purple	White flowers in clusters, good for narrow spaces	
Chanticleer Pear	*Pyrus calleryana 'Glens Form'*	40	15		Pyramidal	Glossy green turning orange red	While flowers in clusters, good for narrow spaces	
Flowering Pear 'Cleveland Select'	*Pyrus calleryana "Cleveland Select"*	40	15		Upright, pyramidal	Glossy, dark green turning wine red to scarlet	White cluster flowers, early bloomer	
Skyrocket Oak	*Quercus robur 'Fastigiata'*	45	15		Fastigiate	Dark green turning yellow brown	Interesting oak for very narrow spaces	
Japanese Stewartia	*Stewartia pseudocamellia*	40	20		Pyramidal	Dark green turning dark red	White camellia like flowers, mottled bark	
Chancellor Linden	*Tillia cordata 'Chancole'*	45	20		Pyramidal, upright	Dark green turning yellow	Yellow fragrant flowers attractive to bees	
"WirelessTM" Zelkova"	*Zelkova serrata 'Schmidtlow'*	24	36	Yes	Broadly spreading vase	Medium green turning red		
Mushshino Zelkova	*Zelkova serrata "Musashino"*	45	20		Very narrow upright vase	Medium green	ideal for narrow street, good canopy clearance	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 6' TO 8' PARKING STRIPS								
State StreetTM Maple	*Acer miyabei 'Morton'*	45	30		Upright, oval	Dark green turning yellow	Native to Japan, endangered	
European Hornbeam	*Carpinus betulus*	50	35		Oval to Round	Dark green to golden yellow	Holds leaves into winter	
Hackberry	*Celtis occidentalis*	40	30		Oval	Dark green turning yellow	**Metro Green Street Tree	
Katsura Tree	*Cercidiphyllum japonicum*	40	35		Oval	Blue green turning yellow scarlet		
Yellowwood	*Cladastris lutea*	40	35		Round	Yellow to bright green, orange/yellow fall	White fragrant flower clusters	
Pacific Dogwood	*Cornus nutallii*	60	30		Broad upright	Deep green, bright fall color.		Native
Tricolor Beech	*Fagus sylvatica 'Raseo-Marginata'*	40	30		Broad Oval	Purple with light pink border		
Saratoga Ginko	*Ginka bilaba 'Soratoga'*	30	30		Round	Green gold to yellow	Avoid female plants, fruit is extremely messy and malodorous	
Autumn Gold Ginkgo	*Ginkgo biloba "Autumn Gold"*	45	35		Narrow broadening in age	Medium green turning gold/yellow	Seedless clone	
Princeton Sentry Gingko	*Ginkgo biloba "Princeton Sentry"*	40	15		Narrowly pyramidal	Light green turning bright yellow		
Shademaster Honeylocust	*Gleditsia triacanthos 'Shademaster'*	45	35		Vase	Dark green turning yellow		
Skyline Honeylocust	*Gleditsia triacanthos 'Skyline'*	50	30		Broad pyramidal	Medium green turning golden		
Halka Honeylocust	*Gleditsia triacanthos 'Christie'*	55	40		Upright	Green, yellow fall		
Kobus Magnolia	*Magnolia kobus*	40	30		Round	Dark green	Evergreen leaves and flowers	
Royal Burgandy Cherry	*Prunus serrulata 'Royal Burgandy'*	30	20		Vase	Purple red to red and orange	Pink flowers	
Rancho Pear	*Pyrus calleryana 'Rancho'*	35	30		Narrow upright		White flowers	
Trinity Pear	*Pyrus calleryana 'Trinity'*	30	25		Broadly oval to round	Glossy green, orange/red fall	White flowers	
Scarlet Oak	*Querus coccinea*	50	40		Broad Oval	Glossy green turning scarlet		
Skymaster Oak	*Quercus robur 'Pyramich'*	50	25		Pyramidal	Dark green turning yellow		
Forest Green Oak	*Quercus frainetta 'Schmidt'*	50	30		Upright w/ strong central leader	Glossy deep green		
Glenleven Linden	*Tilia cardata 'Glenleven'*	45	30		Pyramidal	Medium green turning yellow		
Greenspire Linden	*Tilio cardata 'Greenspire'*	40	30		Pyramidal, symmetrical	Dark green, yellow fall		
Redmond Bigleaf Linden	*Tillia americana x euchlora "Redmond'*	35	25		Pyramidal	light green, yellow fall		
Rancho Linden	*Tillia cordata 'Rancha'*	40	30		Vigorous pyramidal	Small leaves		
Frontier Elm	*Ulmus 'Frontier'*	40	30		Broadly oval	Glossy green, burgundy fall	Disease tolerant	
Accolade Elm	*Ulmus japonica x wilsonia*	70	60		Vase shaped w/ arching limbs	Glossy green, yellow fall	Resistant to elm leaf beetle and dutch elm disease	
Triumph Elm	*Ulmus 'Morton Glossy'*	70	60		Upright oval to vase shaped	Glossy dark green, yellow fall		
Green Vase Zelkova	*Zelkova serrata 'Green Vase'*	50	40		Vase shaped w/ upright arching limbs	Green, yellow fall		
Halka Zelkova	*Zelkova serrata 'Halka'*	45	30		Vase	Medium green turning yellow	Cultivar	
Village Green Zelkova	*Zelkova serrata 'Village Green'*	40	38		Vase to round	Deep green / rusty red fall	Not recommended for high wind areas	
"WirelessTM" Zelkova"	*Zelkova serrata 'Schmidtlow'*	24	36		Broadly spreading vase	Medium green turning red	Cultivar	
Musashino Zelkova	*Zelkova serrata 'Musashino'*	45	20		Very narrow upright vase	Medium green	Good for narrower street, clearance beneath canopy	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 8 ½' AND LARGER PARKING STRIPS								
Metro's Illustrated Guide "Trees for								
Grand fir	*Abies grandis*	100	40		Upright, vertical, dense	Needles	Metro Green Street Tree**	Native
Sycamore Maple	*Acer pseudoplatanus*	60	50		Wide spread	Green turning yellow		
Wineleaf Sycamore Maple	*Acer pseudoplatanus 'Spaithii'*	30	50		Pyramidal	Dark green		
Red Horsechestnut	*Aesculus x carnea 'Briotii'*	60	45		Round	Dark green turning yellow	Red flowers	
Globe Serviceberry	*Amelanchier canadensis oblongifolia*	60	40		Round	Green turning bright yellow red	White flowers	
Canoe or Paper Birch	*Betula papyrifera*	50	35		Oval	Dark green, yellow fall	The most permanent of the birches	Native
Katsura Tree	*Ceradiphyllum japonicum*	40	35		Oval	Blue green turning yellow to scarlet		
Red Bud	*Cercis canadensis*	20	25		Open spreading	Medium green turning yellow	Pink flowers	
Deodar cedar	*Cedrus deodara*	80	60		Horizontal, dense		Metro Green Street Tree**	
Atlas cedar	*Cedrus libani ssp. Atlantica*	60	60				Metro Green Street Tree**	
Purple Rivers Beech	*Fagus sylvatica 'Riversii'*	60	40		Oval	Deep purple turning bronze		
Tricolor Beech	*Fagus slyvatica 'Raseo-Marginata'*	40	30		Broad Oval	Purple with light pink border		
Flame Ash	*Froxinus oxycarpa 'Flame'*	35	30		Round	Green turning purple and red		
Urbanite Ash	*Fraxinus pennsylvanica 'Urbanite'*	50	40		Broad pyramidal	Lustrous green turning bronze		
Summit Ash	*Fraxinus pennsylvanica lanceolata*	45	25		Pyramidal	Medium green turning yellow		
Saratoga Ginko	*Ginko biloba 'Saratoga'*	30	30		Round	Green gold to yellow		
Halka Honeylocust	*Gledisia triaconthos 'Christie'*	55	40		Upright	Green turning yellow		
Kentucky Coffee Tree	*Gymnocladus dioicus*	70	40		Open	Green		
Dawn Redwood	*Metasequoia glyptostroboides*	70	25		Pyramidal to oval	Green, yellow fall	Decidious conifer, looks like a redwood in summer	
Black Tupelo	*Nyssa sylvatica*	40	20	Yes	Pyramidal when young, spreading w/	Dark green glossy, copper/red in fall		
Sourwood	*Oxydendrum arboreum*	50	25		Pyramidal	Green to brilliant scarlet	White flowers	
Chinese scholar tree	*Sophora japonica*	50	40		Oval	Green, yellow in fall	Metro Green Street Tree**,	
Yoshino Cherry	*Prunus x yedaensis*	30	30		Spreading	Green turning yellow	Pink or white flowers	
London plane	*Platanus x acerifolia*	100	65		Spreading	Green turning red in fall	Metro Green Street Tree**,	
Scarlet Oak	*Quercus coccinea*	50	40		Broad oval	Glossy green turning scarlet		
Bur Oak	*Quercus macrocarpa*	80	40		Horizontal, dense	Glossy green above and paler below	Not shade tolerant, needs ample space, somewhat susceptible	
Shumard Oak	*Quercus shumardii*	70	50		Horizontal, open	Glossy, dark green, turning brown to red in fall	Large acorns, tolerates drought and seasonal flooding	
Swamp White Oak	*Quercus bicolor*	60	45		Vertical, dense	Glossy green above, gray / white pubescent	some tolerance to drought and urban conditions	
Oregon White Oak	*Quercus garryana*	65	45		Vertical, dense	Dark green, round lobed	Autumn color is saddle brown, wildlife tree, Needs ample space	Native
English Oak	*Quercus robur*	60	40		Vertical, dense	Dark green above, bluish green below,	Tolerates drought / seasonal flooding, poor soils, prefers well-	
Red Oak	*Quercus rubra*	70	50		Round	Green turning red		
Western red cedar	*Thuja plicata*	100	60		Pyramidal	Persistent, green	Metro Green Street Tree**, Does not like direct sun	Native
Accolade Elm	*Ulmus hybrids*	60	40		Vase	lustrous dark green and smooth	Resembles American Elm, Reportedly tolerant of Dutch elm	
Halka Zelkova	*Zelkova serrata 'Halka'*	45	30		Vase	Medium green turning yellow		

OREGON NATIVE TREE SPECIES

Please Note: In general, native trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide). There are some exceptions, which are listed above.
Large native trees are appropriate behind the sidewalk in a yard or park area. The city encourages the planting of native plants and trees where appropriate. For further information, please refer to the following resources:

OSU Extension Service Landscape Plants website		http://oregonstate.edu/dept/ldplants/native-or.htm#native
Oregon City Native Plant List		http://www.orcity.org/sites/default/files/Native%20Plant%20List.pdf
Portland Plant List		http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460
Metro Trees for Green Streets	Booklet (For Purchase)	http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337

OTHER LARGE TREES

Please Note: Many species of large trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide) or because they have certain characteristics that make them unsuitable as street trees (e.g. intolerance of clay soils, dust, or weaker structure or wood). There are some exceptions, which are listed above.
Large trees may be appropriate behind the sidewalk in a yard or park area. The city encourages the planting of large trees where appropriate. For further information, please refer to the following resources:

Portland Plant List		http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460
Metro Trees for Green Streets	Booklet (For Purchase)	http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337

OREGON CITY STREET TREE LIST (Reso. 13-27, Adopted 12/04/2013)

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR 2.5' TO 3' PLANTING STRIP								
Cornelian Cherry Dogwood	*Cornus mas*	15	20	Yes	upright rounded to upright spreading	medium to dark green		
Eddie's White Wonder Dogwood	*Cornus nuttallii x Cornus florida*	40	15	Yes	Dense horizontal drooping habit.	Good fall color	White flowers	
Flowering Dogwood	*Cornus florida*	20	25	Yes	Upright	Bright green, lighter underside turning glowing	Small clusters before leaves appear in May	
Japanese Dogwood	*Cornus kousa*	25	25	Yes	Vine shaped	Lustrous medium green turning yellow to scarlet	Small clusters with raspberry like fruit, blooms later than most	
Starlight Dogwood	*Cornus kousa X nuttallii*	30	20	Yes	Upright, oval	Deep green, Fall red	Large, creamy white flower, fruit 3/4" , orange	
Carolina Silverbell	*Halesia carolina*	35	15'	Yes	Rounded, often low branched	yellow to yellow green autumn color.	White, bell-shaped flowers in spring offer mild interest;	
Bigleaf Snowbell Tree	*Styrax obassia*	35	25'	Yes	upright and pyramidal-oval when	dark green above, pubescent beneath	Flowers white, fragrant	
Blireiana Plum	*Prunus x blireiana*	20	20'	Yes	rounded, dense branching, trunk often	first purple but fade to green	Blooms early spring, Flowers pink, fragrant. Fruit purplish red	
Chinese Pistache	*Pistachia chinensis*	25	25'	Yes	Oval, Rounded or Umbrella	Green. Red, Gold, Orange or Multicolored in Fall.	Inconspicuous. Flowers in Spring. Fruit Prolific, Red or Mostly	
Crape Myrtle	*Lagerstroemia cultivars*	20	20'	Yes	Oval, Rounded, Umbrella or Vase	Dark green, usually with a slight gloss.	Showy, Lavender, Pink, Red, Rose or White. Flowers in Summer.	
Amur Maple	*Acer ginnala*	20	20	Yes	Round	Medium green turning orange to scarlet red	Bright red, winged fruit	
Hedge Maple	*Acer campestre*	35	30	Yes	Round to oval	Dark green turning yellow	Corky bark that is striking in winter	
Japanese Maple	*Acer palmatum*	25	25	Yes	Upright, low branching	Green, yellow or red turning scarlet, orange or		
Paperbark Maple	*Acer griseum*	25	20	Yes	Narrow to rounded	Dark green above, silvery below turning brilliant	thin strips	
Roughbark Maple	*Acer triflorum*	25	20'	Yes	Oval	dark green, becoming yellow, orange and/or	Flower yelllow.	
Vine Maple	*Acer circinatum*	25	10	Yes	Upright, spreading	Medium green turning orange to bright red	Winged fruit resembling bow ties, thrives in shade	Native
Japanese Snowbell	*Styrax japonicus*	25	25'	Yes	Rounded, horizontal	Medium to dark green, glabrous above.	Flowers perfect, bell-shaped, 2 cm wide, white with yellow	
Japanese Tree Lilac	*Syringa reticulata*	25	20'	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Eastern Redbud	*Cercis canadensis*	35	30	Yes	Round	Rich green, heart shaped turning yellow	Small rosy pink flowers with 4-6 dried pods "	
Lavelle Hawthorn	*Cratagus x lavalleii*	30	20	Yes	Upright, open	Glossy green turning bronze to copper red	White cluster flowers, showy orange-red fruit	
Summer Sprite Linden	*Tilia cordata 'Halka'*	20	15'	Yes	Dense compact crown, sheared	Yellow fall color	JF Schmidt small varietal	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 3' TO 4' PLANTING STRIP								
Trident Maple	*Acer buergeranum*	25	20	Yes	Oval to Round	Glossy green turning yellow orange red	Exfoliating bark, adaptable to varied conditions	
Vine Maple	*Acer circinatum*	25	10	Yes	Upright Spreading	Medium green turning bright orange and red	Northwest native maple, open delicate form, thrives in shade	Native
Amur Maple	*Acer ginnala*	20	20	Yes	Upright Round	Green turning yellow to scarlet red	Small fragrant flowers followed by winged fruit	
Rocky Mountain Glow Maple	*Acer grandidentatum "schmidt"*	25	15	Yes	Oval	Dark green turning bright red	Requires well drained soil	
Paperbark Maple	*Acer griseum*	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark	
Japanese Maple	*Acer palmatum*	25	25	Yes	Upright, low branching	Green, yellow or red turning scarlet, orange or	Many varieties including dwarf species	
Roughbark Maple	*Acer triflorum*	25	20	Yes	Dense and rounded	Dark green, becoming yellow, orange and/or		
Pyramidal Serviceberry	*Amelanchier canadensis pyramidalis*	30	20	Yes	Very Upright	Dark green turning brilliant red and orange	White flowers in spring, dark purple fruit attract birds	
Allegheny Serviceberry	*Amelanchier laevis*	25	15	Yes	Upright and Oval	Green turning orange in fall	White flowers in spring, blue purple fruit attract birds	
Western serviceberry	*Amelanchier alnifolia*	25	25	Yes	Vertical, dense		Metro Green Street Tree**	Native
Eddies White Wonder Dogwood	*Cornus nutalli X florida*	40	15	Yes	Dense horizontal drooping	Good fall color,	White flowers	
Starlight Dogwood	*Cornus kousa X nuttallii*	30	20	Yes	Upright, oval	Deep green, Fall red	Large, creamy white flower, fruit 3/4" , orange	
Crimson Cloud Hawthorn	*Crataegus laevigata "Crimson Cloud"*	25	18		Oval	Glossy green	Flowers are bright red with white center, bright red fruit	
Columnar Goldenrain	*Koelreuteria paniculata fastigiata*	30	6		Narrow Fastigiate	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of	
Goldenrain Tree	*Koelreuteria paniculata*	30	20		Round, Open	Green turning yellow	Yellow flowers in summer, brown persistent fruits, tolerant of	
Newport Plum	*Prunus cerasifera*	20	20		Oval to Round	Purplish Red	Single pink flowers	
Japanese Tree Lilac	*Syringa reticulata*	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Ivory Silk Tree Lilac	*Syringa reticulata 'Ivory Silk'*	25	15	Yes	Pyramidal	Green	White panicles and yellow brown fruit	
Skyrocket Oak	*Quercus robur "Fastigiata"*	45	15		Fastigate	Dark green turning yellow brown	Interesting oak for very narrow spaces	
Summer Sprite Linden	*Tilia cordata 'Halka'*							

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 4 ½' TO 5 ½' PLANTING STRIPS								
Queen Elizabeth Hedge Maple	*Acer campestre "Queen Elizabeth"*	35	30	Yes	Upright, Oval	Dark green turning yellow		
Rocky Mountain Glow Maple	*Acer grandidentatum 'Schmidt'*	25	15		Oval	dark green, orange/yellow in fall		
Paperbark Maple	*Acer griseum*	30	20	Yes	Round	Green w/silver under, bright red orange in fall	Interesting cinnamon brown under exfoliating bark	
Pyramidal European Hornbeam	*Carpinus betulas "Fastigiata"*	35	20		Dense, Upright, Pyramid to Oval	Dark green turning yellow	Retains leaves into winter, small hard nutlets in clusters	
Frans Fontaine Hornbeam	*Carpinus betulas "Frans Fontaine"*	35	15		Broadly oval	Dark green turning yellow		
Chinese Dogwood	*Cornus kousa chinensis*	30	30		Round	Green turning red	White flowers and red pink fruit	
Lavelle Hawthorne	*Crataegus x lavelle*	30	20		Upright	Dark glossy green turning bronze red	White flowers, red persistent fruit	
Saratoga Ginkgo	*Ginkgo biloba "Saratoga"*	30	30	Yes	Round	Greenish gold turning yellow	Avoid female plants, fruit is extremely messy and malodorous	
Autumn Gold Ginkgo	*Ginkgo biloba "Autumn Gold"*	45	35		Narrow broadening in age	Medium green turning gold/yellow	Seedless clone	
Princeton Sentry Gingko	*Ginkgo biloba "Princeton Sentry"*	40	15		Narrowly pyramidal	Light green turning bright yellow		
American Hornbeam	*Ostrya virginiana*	35	25		Oval	Medium green turning yellow	Male catkins visible in winter, greenish white nutlets	
Columnar Sargent Cherry	*Prunus sargentii 'Columnaris'*	35	15		Columnar	Green turning orange red	Deep pink flowers	
Pink Flair Cherry	*Prunus sargentii 'JFSKW58'*	25	15		Narrow / Upright	Bright orange, red fall	pink clusters, blooms laters (avoids frost), upright symmetry	
Capital Pear	*Pyrus calleryana 'Capital'*	35	12		Columnar	Medium green turning reddish purple	White flowers in clusters, good for narrow spaces	
Chanticleer Pear	*Pyrus calleryana 'Glens Form'*	40	15		Pyramidal	Glossy green turning orange red	While flowers in clusters, good for narrow spaces	
Flowering Pear 'Cleveland Select'	*Pyrus calleryana "Cleveland Select"*	40	15		Upright, pyramidal	Glossy, dark green turning wine red to scarlet	White cluster flowers, early bloomer	
Skyrocket Oak	*Quercus robur 'Fastigiata'*	45	15		Fastigiate	Dark green turning yellow brown	Interesting oak for very narrow spaces	
Japanese Stewartia	*Stewartia pseudocamellia*	40	20		Pyramidal	Dark green turning dark red	White camellia like flowers, mottled bark	
Chancellor Linden	*Tillia cordata 'Chancole'*	45	20		Pyramidal, upright	Dark green turning yellow	Yellow fragrant flowers attractive to bees	
"WirelessTM" Zelkova"	*Zelkova serrata 'Schmidtlow'*	24	36	Yes	Broadly spreading vase	Medium green turning red		
Mushshino Zelkova	*Zelkova serrata "Musashino"*	45	20		Very narrow upright vase	Medium green	ideal for narrow street, good canopy clearance	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 6' TO 8' PARKING STRIPS								
State StreetTM Maple	*Acer miyabei 'Morton'*	45	30		Upright, oval	Dark green turning yellow	Native to Japan, endangered	
European Hornbeam	*Carpinus betulus*	50	35		Oval to Round	Dark green to golden yellow	Holds leaves into winter	
Hackberry	*Celtis occidentalis*	40	30		Oval	Dark green turning yellow	**Metro Green Street Tree	
Katsura Tree	*Cercidiphyllum japonicum*	40	35		Oval	Blue green turning yellow scarlet		
Yellowwood	*Cladastris lutea*	40	35		Round	Yellow to bright green, orange/yellow fall	White fragrant flower clusters	
Pacific Dogwood	*Cornus nutallii*	60	30		Broad upright	Deep green, bright fall color.		Native
Tricolor Beech	*Fagus sylvatica 'Roseo-Marginata'*	40	30		Broad Oval	Purple with light pink border		
Saratoga Ginko	*Ginko biloba 'Saratoga'*	30	30		Round	Green gold to yellow	Avoid female plants, fruit is extremely messy and malodorous	
Autumn Gold Ginkgo	*Ginkgo biloba "Autumn Gold"*	45	35		Narrow broadening in age	Medium green turning gold/yellow	Seedless clone	
Princeton Sentry Gingko	*Ginkgo biloba "Princeton Sentry"*	40	15		Narrowly pyramidal	Light green turning bright yellow		
Shademaster Honeylocust	*Gleditsia triacanthos 'Shademaster'*	45	35		Vase	Dark green turning yellow		
Skyline Honeylocust	*Gleditsia triacanthos 'Skyline'*	50	30		Broad pyramidal	Medium green turning golden		
Halka Honeylocust	*Gleditsia triacanthos 'Christie'*	55	40		Upright	Green, yellow fall		
Kobus Magnolia	*Magnolia kobus*	40	30		Round	Dark green	Evergreen leaves and flowers	
Royal Burgandy Cherry	*Prunus serrulata 'Royal Burgandy'*	30	20		Vase	Purple red to red and orange	Pink flowers	
Rancho Pear	*Pyrus calleryana 'Rancho'*	35	30		Narrow upright		White flowers	
Trinity Pear	*Pyrus calleryana 'Trinity'*	30	25		Broadly oval to round	Glossy green, orange/red fall	White flowers	
Scarlet Oak	*Querus coccinea*	50	40		Broad Oval	Glossy green turning scarlet		
Skymaster Oak	*Quercus robur 'Pyramich'*	50	25		Pyramidal	Dark green turning yellow		
Forest Green Oak	*Quercus frainetto 'Schmidt'*	50	30		Upright w/ strong central leader	Glossy deep green		
Glenleven Linden	*Tilia cordata 'Glenleven'*	45	30		Pyramidal	Medium green turning yellow		
Greenspire Linden	*Tilia cordata 'Greenspire'*	40	30		Pyramidal, symmetrical	Dark green, yellow fall		
Redmond Bigleaf Linden	*Tillia americana x euchlora "Redmond'*	35	25		Pyramidal	light green, yellow fall		
Rancho Linden	*Tillia cordata 'Rancho'*	40	30		Vigorous pyramidal	Small leaves		
Frontier Elm	*Ulmus 'Frontier'*	40	30		Broadly oval	Glossy green, burgundy fall	Disease tolerant	
Accolade Elm	*Ulmus japonica x wilsonia*	70	60		Vase shaped w/ arching limbs	Glossy green, yellow fall	Resistant to elm leaf beetle and dutch elm disease	
Triumph Elm	*Ulmus 'Morton Glossy'*	70	60		Upright oval to vase shaped	Glossy dark green, yellow fall		
Green Vase Zelkova	*Zelkova serrata 'Green Vase'*	50	40		Vase shaped w/ upright arching limbs	Green, yellow fall		
Halka Zelkova	*Zelkova serrata 'Halka'*	45	30		Vase	Medium green turning yellow	Cultivar	
Village Green Zelkova	*Zelkova serrata 'Village Green'*	40	38		Vase to round	Deep green / rusty red fall	Not recommended for high wind areas	
"WirelessTM" Zelkova"	*Zelkova serrata 'Schmidtlow'*	24	36		Broadly spreading vase	Medium green turning red	Cultivar	
Musashino Zelkova	*Zelkova serrata 'Musashino'*	45	20		Very narrow upright vase	Medium green	Good for narrower street, clearance beneath canopy	

COMMON NAME	SCIENTIFIC NAME	MATURE HEIGHT (ft)	CANOPY SPREAD (ft)	POWER LINE OK?	STRUCTURE	FOLIAGE	FLOWERS, FRUIT, OTHER SPECIAL INTEREST	OREGON NATIVE?
RECOMMENDED STREET TREES FOR PLANTING IN 8 ½' AND LARGER PARKING STRIPS								
Metro's Illustrated Guide "Trees for								
Grand fir	*Abies grandis*	100	40		Upright, vertical, dense	Needles	Metro Green Street Tree**	Native
Sycamore Maple	*Acer pseudoplatanus*	60	50		Wide spread	Green turning yellow		
Wineleaf Sycamore Maple	*Acer pseudoplatanus 'Spaithii'*	30	50		Pyramidal	Dark green		
Red Horsechestnut	*Aesculus x carnea 'Briotii'*	60	45		Round	Dark green turning yellow	Red flowers	
Globe Serviceberry	*Amelanchier canadensis oblongifolia*	60	40		Round	Green turning bright yellow red	White flowers	
Canoe or Paper Birch	*Betula papyrifera*	50	35		Oval	Dark green, yellow fall	The most permanent of the birches	Native
Katsura Tree	*Cercidiphyllum japonicum*	40	35		Oval	Blue green turning yellow to scarlet		
Red Bud	*Cercis canadensis*	20	25		Open spreading	Medium green turning yellow	Pink flowers	
Deodar cedar	*Cedrus deodara*	80	60		Horizontal, dense		Metro Green Street Tree**	
Atlas cedar	*Cedrus libani ssp. Atlantica*	60	60				Metro Green Street Tree**	
Purple Rivers Beech	*Fagus sylvatica 'Riversii'*	60	40		Oval	Deep purple turning bronze		
Tricolor Beech	*Fagus slyvatica 'Roseo-Marginata'*	40	30		Broad Oval	Purple with light pink border		
Flame Ash	*Fraxinus oxycarpa 'Flame'*	35	30		Round	Green turning purple and red		
Urbanite Ash	*Fraxinus pennsylvanica 'Urbanite'*	50	40		Broad pyramidal	Lustrous green turning bronze		
Summit Ash	*Fraxinus pennsylvanica lanceolata*	45	25		Pyramidal	Medium green turning yellow		
Saratoga Ginko	*Ginko biloba 'Saratoga'*	30	30		Round	Green gold to yellow		
Halka Honeylocust	*Gledisia triacanthos 'Christie'*	55	40		Upright	Green turning yellow		
Kentucky Coffee Tree	*Gymnocladus dioicus*	70	40		Open	Green		
Dawn Redwood	*Metasequoia glyptostroboides*	70	25		Pyramidal to oval	Green, yellow fall	Decidious conifer, looks like a redwood in summer	
Black Tupelo	*Nyssa sylvatica*	40	20	Yes	Pyramidal when young, spreading w/	Dark green glossy, copper/red in fall		
Sourwood	*Oxydendrum arboreum*	50	25		Pyramidal	Green to brilliant scarlet	White flowers	
Chinese scholar tree	*Sophora japonica*	50	40		Oval	Green, yellow in fall	Metro Green Street Tree**,	
Yoshino Cherry	*Prunus x yedoensis*	30	30		Spreading	Green turning yellow	Pink or white flowers	
London plane	*Platanus × acerifolia*	100	65		Spreading	Green turning red in fall	Metro Green Street Tree**,	
Scarlet Oak	*Quercus coccinea*	50	40		Broad oval	Glossy green turning scarlet		
Bur Oak	*Quercus macrocarpa*	80	40		Horizontal, dense	Glossy green above and paler below	Not shade tolerant, needs ample space, somewhat susceptible	
Shumard Oak	*Quercus shumardii*	70	50		Horizontal, open	Glossy, dark green, turning brown to red in fall	Large acorns, tolerates drought and seasonal flooding	
Swamp White Oak	*Quercus bicolor*	60	45		Vertical, dense	Glossy green above, gray / white pubescent	some tolerance to drought and urban conditions	
Oregon White Oak	*Quercus garryana*	65	45		Vertical, dense	Dark green, round lobed	Autumn color is saddle brown, wildlife tree, Needs ample space	Native
English Oak	*Quercus robur*	60	40		Vertical, dense	Dark green above, bluish green below,	Tolerates drought / seasonal flooding, poor soils, prefers well-	
Red Oak	*Quercus rubra*	70	50		Round	Green turning red		
Western red cedar	*Thuja plicata*	100	60		Pyramidal	Persistent, green	Metro Green Street Tree**, Does not like direct sun	Native
Accolade Elm	*Ulmus hybrids*	60	40		Vase	lustrous dark green and smooth	Resembles American Elm, Reportedly tolerant of Dutch elm	
Halka Zelkova	*Zelkova serrata 'Halka'*	45	30		Vase	Medium green turning yellow		

OREGON NATIVE TREE SPECIES

Please Note: In general, native trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide). There are some exceptions, which are listed above.
Large native trees are appropriate behind the sidewalk in a yard or park area. The city encourages the planting of native plants and trees where appropriate. For further information, please refer to the following resources:

OSU Extension Service Landscape Plants website		http://oregonstate.edu/dept/ldplants/native-or.htm#native
Oregon City Native Plant List		http://www.orcity.org/sites/default/files/Native%20Plant%20List.pdf
Portland Plant List		http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460
Metro Trees for Green Streets	Booklet (For Purchase)	http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337

OTHER LARGE TREES

Please Note: Many species of large trees are NOT recommended as Street Trees within parking strips due to the large planting area required (at least 10' wide) or because they have certain characteristics that make them unsuitable as street trees (e.g. intolerance of clay soils, dust, or weaker structure or wood). There are some exceptions, which are listed above.
Large trees may be appropriate behind the sidewalk in a yard or park area. The city encourages the planting of large trees where appropriate. For further information, please refer to the following resources:

Portland Plant List		http://www.portlandonline.com/auditor/index.cfm?&a=322280&c=34460
Metro Trees for Green Streets	Booklet (For Purchase)	http://www.oregonmetro.gov/index.cfm/go/by.web/id=26337

City of Oregon City

625 Center Street
Oregon City, OR 97045
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Meeting Minutes - Draft

Natural Resources Committee

Commission Chambers

Monday, July 8, 2020 **7:00 PM**

1. Convene Regular Meeting and Roll Call

Chair Broshot called the meeting to order at 7:00 PM.

Present: 5 - Chair Nancy Broshot, Committee Member Chris Weaver, Committee Member Doug Neeley, Committee Member Mike Hamilton, and Committee Member Devon Pilney

Absent: - Trent Warness

Staffers: 2 - Community Development Director Laura Terway and Senior Planner Pete Walter

2. Adoption of the Agenda

The agenda was adopted as presented.

3. Public Comment – *None*

4. Old Business

Draft Permitting and Notification Process for Tree Removal on Institutional and City Owned Properties

Pete Walter, Senior Planner, gave an update on the draft permitting and notification process for tree removal on Institutional and City owned properties. He explained the direction that had come from the City Manager and City Commission regarding the process improvements, new definition for Institutional lands, previous recommendations from the Natural Resources Committee, adding Pacific Madrone to the Heritage Tree Species and Sizes table, Planning Commission comments, Public Works Department comments, Parks and Recreation Department comments, and proposed policy steps.

There was discussion regarding what should be included in the arborist report, dedicated fund for the alternatives analysis, sidewalks and tree preservation, staff comments received, and the City hiring an arborist.

5. New Business/Discussion Items

Review NRC Work Plan

Mr. Walter reviewed the NRC Work Plan and the items that would have to be put on hold due to Covid-19. He also discussed the NRC's responsibilities.

There was discussion regarding putting invasive species identification and mitigation information on the City's website, expanding current overlay districts, new upland habitat overlay district, providing recommendations to the Planning Commission regarding applications that reduced the NROD corridor, bringing Planning Commission decisions back to the NRC for further discussion if they reversed or altered a recommendation from the NRC, activities on the Work Plan that should be put on hold, and adding an item to the work plan--propose policies that could be implemented at the local level to combat climate change.

Thimble Creek Upland Habitat Overlay District

Laura Terway, Community Development Director, gave a history of the natural resource inventory for this area and how the areas identified were not in any overlay district. The City Commission directed staff to work quickly to implement a new overlay district for trees in areas 3 and 4. The habitat had not been re-inventoried and the City did not know how much still existed and the quality of the trees. She asked for direction on creating the overlay district. She discussed the options and the pros and cons of each.

Wayne Hall and Kim Southworth, residents of Oregon City, asked questions about the proposed overlay, which included their property. They were concerned that the overlay would affect their ability to build on the property and thought the area should be adjusted to follow along the ridge of the golf course and not on their property.

There was discussion regarding the School District's intent for the property, whether the regulations would allow removal of the trees as long as they were replaced or the trees could not be removed at all, and boundaries of the overlay.

A motion was made by Committee Member Neeley, seconded by Committee Member Weaver, to approve a site visit to the Hall property and golf course to look at the condition of the trees with their permission. The motion carried by the following vote:

Aye: 5 - Chair Nancy Broshot, Committee Member Chris Weaver, Committee Member Doug Neeley, Committee Member Mike Hamilton, and Committee Member Devon Pilney

Mr. Walter said the original recommendation from the NRC for creating this overlay focused on the problem of forest fragmentation in urban areas and not just individual trees but also the habitat associated with it.

Committee Member Neeley said after they saw the site they might make recommendations as to the width of the corridor itself.

6. Communications

Committee Member Neeley said the Greater Oregon City Watershed Council finished an invasive control project at Abernethy Creek Park. He suggested the NRC look into applying for grant funding for invasive removal.

Mr. Walter gave an update on OC 2040 and the community conversation kits.

7. Future Agenda Items

Mr. Walter discussed upcoming agenda items.

8. Adjournment

Chair Broshot adjourned the meeting at 9:02 PM.