



CITY OF WOODINVILLE

TREE BOARD PACKET

February 24, 2016

**CITY HALL COUNCIL CHAMBERS
17301 133RD AVENUE NE
WOODINVILLE, WASHINGTON 98072**



**CITY OF WOODINVILLE
REVISED TREE BOARD AGENDA
REGULAR MEETING WEDNESDAY, FEBRUARY 24, 2016 5:30 PM**



• Thomas L Quigley • Michael Munniks • Ron Smith • Stephanie Young

5:30 **CALL TO ORDER**

5:31 **ROLL CALL**

5:32 **APPROVE AGENDA IN CONTENT & ORDER**

5:33 **PUBLIC COMMENTS**

BUSINESS AND DISCUSSION ITEMS

5:38 **1. Draft Tree Board Minutes – January 27, 2016**

5:40 **2. Tree Board Forestry Education Funding**

5:50 **3. Study Session – Proposed Arbor Day Events for 2016**

6:05 **4. Study Session – Review of Plant Species Lists**

6:20 **5. Study Session – Discussion of the Heritage Tree Program**

6:25 **PUBLIC COMMENTS**

6:30 **ADJOURNMENT**

(Note: The agenda may be rearranged or changed at the beginning of the meeting, with a consensus of Tree Board members present.)

Issue Date: February 17, 2016

Staff Contact: Amanda Almgren, Associate Planner

**Faxed to: News Media
E-mailed to: Tree Board
Publish: Not published
Post: 1) In-House, 2) Post Office, 3) Outdoor Display & 4) Website**

**CITY OF WOODINVILLE, CITY COUNCIL CHAMBERS
17301 133RD AVE. NE, WOODINVILLE, WA 98072**

NEXT REGULAR MEETING MARCH 23, 2016, 5:30 PM

AGENDA ITEM 1



City of Woodinville, Washington

TREE BOARD REGULAR MEETING MINUTES OF JANUARY 27, 2016

Woodinville City Hall City Council Chambers, 17301 133rd Avenue NE, Woodinville, WA

<u>CALL TO ORDER</u>	The regular meeting for the Woodinville Tree Board was called to order at 5:30 p.m. by Vice Chair Munniks.
<u>ROLL CALL</u>	<p><u>Tree Board Present:</u> Michael Munniks, Ron Smith and Stephanie Young</p> <p><u>Absent:</u> Tom Quigley</p> <p><u>City Staff Present:</u> Amanda Almgren, Associate Planner, Agnes Kowacz, Associate Planner, Tom Hansen, Public Works Director</p> <p>MAIN MOTION: to excuse Board Member Quigley</p> <p>Motion by: Vice Chair Munniks</p> <p>Second by: Board Member Young</p> <p>Action for the Main Motion: PASSED 3 - 0</p> <p>Vote: Ayes: 3.</p> <p>Nayes: 0.</p> <p>Abstain: 0.</p>
<u>APPROVAL OF AGENDA ORDER AND CONTENT</u>	Motion to approve agenda order as proposed.
<u>PUBLIC COMMENTS</u>	None.
<u>BUSINESS AND DISCUSSION ITEMS</u>	
<i>Approval of October 28, 2015 Regular Tree Board Minutes</i>	<p>1. <u>Approval of October 28, 2015 Tree Board Meeting Minutes</u></p> <p>MAIN MOTION: to approve the regular meeting minutes of October 28, 2015, as presented.</p> <p>Motion by: Board Member Smith</p> <p>Second by: Board Member Young</p> <p>Action for the Main Motion: PASSED 1 - 0</p> <p>Vote: Ayes: 1.</p> <p>Nayes: 0.</p> <p>Abstain: 2.</p>
<i>Discussion and Review of Arbor Day 2016 Events</i>	<p>2. <u>Discussion & Review of Proposed Arbor Day Events for 2016</u></p> <p>The Tree Board was presented with a variety of potential dates and</p>

<p><i>Discussion and Review Plant Species Lists</i></p>	<p>activities for Arbor Day 2016 and was asked to provide input for the event. Vice Chair Munniks suggested holding the event on Sunday. Either weekend worked for Board Members Young and Smith. Staff was directed to check the Woodinville Sports Field reservations, as well to insure that there will be parking available the day of the event.</p> <p>Board Member Young shared the activities from Arbor Day 2015 and Vice Chair Munniks shared the activities from Arbor Day 2014. The Board liked all the activities from the past two years.</p> <p>The Board requested that staff provide information on potential grant funding for Arbor Day events, and a contact at Molbaks, who has contributed seeds in the past. Additionally, staff will look into the press release schedule for advertising the event.</p> <p><u>3. Discussion & Review of Plant Species Lists</u></p> <p>The Board was presented with the Plant Species List created by the Tree Board in 2000 and was asked to provide input. The Board suggested adding subsections to the list to identify specific species that might be most appropriate in different locations, for example trees well-suited for the ROW, trees appropriate in parking lots and trees suitable for dense urban development. Through the addition of these subsets, the Board hopes to provide guidance for planting trees and plants in the City of Woodinville so that they will be successful in the long term.</p> <p>Board Member Smith suggested that parking lots should be required to have larger island to help protect the trees that are planted. Board Member Smith also suggested that street trees be coordinated by street.</p> <p>The Board recommended that this item be continued to the next Tree Board Meeting.</p>
<p><i>Discussion and Review of the Purpose of the Tree Board</i></p>	<p><u>4. Discussion & Review of the Purpose of the Tree Board</u></p> <p>Board Member Young requested that the Tree Board discuss their purpose and future work. Staff shared information about what language exists in the current Comprehensive Plan and current and proposed Tree and Landscaping codes about the purpose and benefits of trees. Additionally, Staff provide the Tree Board Work Program from 2015 and opened it up to the Board for input for the 2016 Work Program.</p> <p>The Tree Board expressed an interest in requesting funding from the City's Tree Fund to help fund educational activities such as Arbor Day in the future. Staff suggested that this be on the next agenda and the Board directed staff to add it to the agenda.</p> <p>The Tree Board also discussed the Heritage Tree Program. There was interest in nominating more trees in the City as a way of promoting the importance of trees. Staff will bring back more information on the program and application forms for the Board at the next meeting.</p>
<p><i>Motion to continue meeting to 6:40pm</i></p>	<p><u>5. Motion to Continue Meeting ten minutes past the posted time to 6:40.</u></p> <p>MAIN MOTION: to continue the Tree Board Meeting past the</p>

	<p>posted time of 6:30 pm by ten minutes.</p> <p>Motion by: Vice Chair Munniks Second by: Board Member Smith Action for the Main Motion: PASSED 3 - 0 Vote: Ayes: 3. Nayes: 0. Abstain: 0.</p>
<u>PUBLIC COMMENTS</u>	None.
<u>ADJOURNMENT</u>	Vice Chair Munniks called the meeting adjourned. The meeting was adjourned at 6:37 p.m.

Respectfully Submitted,

Sandy Guinn,
Sr. Administrative Assistant

AGENDA ITEM 2



CITY OF WOODINVILLE, WA
REPORT TO THE TREE BOARD
17301 133rd Avenue NE, Woodinville, WA 98072
WWW.CI.WOODINVILLE.WA.US

To: Tree Board **Date:** February 24, 2016
From: Dave Kuhl, Development Services Director
By: Amanda Almgren, Associate Planner
Subject: City Tree Fund Funding Proposal

ISSUE: Shall the Tree Board make a formal request for funding for urban forestry education from the City Tree Fund?

STAFF RECOMMENDATION: Discuss and take formal action.

POLICY DECISION: The Tree Board provides an advisory role to the City Council on matters of trees and urban forestry.

BACKGROUND/DISCUSSION:

At the January 27, 2016 Tree Board meeting, the Tree Board Members expressed interest in making a formal recommendation for funding from the City's Tree Fund to support educational activities and outreach, such as the Arbor Day event.

Educational activities and outreach may include handouts and information for homeowners recommending specific trees for different situations, workshops for proper tree maintenance and events.

RECOMMENDED MOTION:

I move that the Tree Board make a formal recommendation to the City Council to provide the Tree Board \$1,000 per year of funding from the City's Tree Fund to support educational activities related to tree protection, maintenance, and care in the next two year budget.

AGENDA ITEM 3



CITY OF WOODINVILLE, WA
REPORT TO THE TREE BOARD
17301 133rd Avenue NE, Woodinville, WA 98072
WWW.CI.WOODINVILLE.WA.US

To: Tree Board **Date:** February 24, 2016
From: Dave Kuhl, Development Services Director
By: Amanda Almgren, Associate Planner
Subject: Proposed Arbor Day Events for 2016

ISSUE: Shall the Tree Board propose a date and provide input on events for Arbor Day 2016?

STAFF RECOMMENDATION: To decide on a date and events for Arbor Day 2016.

POLICY DECISION: The Tree Board provides an advisory role to the City Council on matters of trees and urban forestry.

BACKGROUND:

At the January 27, 2016, meeting, the Tree Board discussed general ideas and dates for Arbor Day 2016. As part of participation in the Tree City USA program, the City must recognize Arbor Day.

Staff was asked to provide the following information for the February 24, 2016, Tree Board Meeting:

- Woodinville Sports Fields Schedule
- A grant to fund Arbor Day Activities
 - o Staff prepared a draft grant application
- What is the City's schedule for Press Releases?
 - o Staff recommends publishing and advertising in the Woodinville Weekly in early April and in the issue prior to the Arbor Day event
 - o Posters should be put up in the first two weeks of April
- What supplies remain from last year?

Additionally, the Tree Board suggested ideas for activities, including a tree identification game, educational coloring sheets, the distribution of seedlings and tree trimming demonstrations from a professional arborist. The Board was satisfied with the general schedule and layout of Arbor Day 2015.

DISCUSSION:

1. Decide on a date for Arbor Day 2016
2. Review draft grant proposal for Arbor Day 2016 (Attachment A)
3. What events would the Tree Board want to see as part of the 2016 celebration?
4. What advertising should be done for the event?
5. Volunteers to help set up and run the event?

RECOMMENDED ACTION:

**DECIDE ON A DATE FOR ARBOR DAY 2016 AND
DISCUSS AND MAKE RECOMMENDATIONS FOR ARBOR DAY ACTIVITIES**

Attachment A: Draft grant proposal for Arbor Day 2016

Attachment B: Woodinville Sports Fields Schedule for April 2016



Member Jurisdiction Grant Program Pilot Grant Application

Promoting sustainable uses of natural resources through
responsible stewardship

Project Title: Woodinville Tree Games (Arbor Day Celebration)	
Applicant: City of Woodinville	Contact: Amanda Almgren
Principal Partners (if any):	Title: Associate Planner
Amount of KCD Funding Requested: \$800	Address: 17301 133rd Ave NE Woodinville, WA 98072
Total Match (optional): \$582	
Total Project Cost: \$1,382	
Project Start Date: April 24, 2016	Phone: 425-877-2285
Project End Date: April 24, 2016	Fax: 425-489-2705
Project Location: Wilmot Gateway Park	E-mail: amandaa@ci.woodinville.wa.us
King County Council District #: 1	State Legislative District# 45

Eligible projects:

- Must be within the boundaries of the King Conservation District or meet certain partnering requirements
- Must be with, or through, a member jurisdiction of the District, or an assigned partner such as a nonprofit organization or business
- Must be consistent with purposes and requirements of RCW Chapter 89.08, encouraging voluntary stewardship
- Leveraging other funding opportunities is encouraged

Ineligible projects include:

- Maintenance of existing facilities
- Improvements to non-natural areas of parks or existing recreational facilities

Application must

- Articulate specific goals and outcomes of the project
- Have an appropriate and reasonable budget meeting state auditor guidelines
- Specify milestones and timelines
- Identify the Project Lead and contact information
- Present clear roles for project partners

1. Criteria Checklist

Please check all boxes next to criteria below that your project addresses	
Natural Resource Improvement Action: Education and Outreach – to raise awareness, deepen knowledge, and change behaviors (<i>examples include fulfillment of municipal NPDES MS4 permit requirements; education about value of farmland, local farms and food systems, shorelines, salmon habitat, forests and other ecosystems</i>)	<input checked="" type="checkbox"/>
Natural Resource Improvement Action: Capacity Building – to enhance the ability of organizations, agencies, residential landowners and other land owners and managers to implement best management practices and deliver natural resource management actions on the ground (<i>examples include urban agriculture development, assistance to private property owners to address challenging regulatory situations, preservation and/or expansion of urban and/or rural agricultural lands, rural and urban forest lands, riparian restoration and stewardship on private and public lands</i>)	<input type="checkbox"/>
Natural Resource Improvement Action: Pilot and Demonstration Projects – to test and/or improve concepts and/or approaches in natural resource management that can be replicated by others (<i>examples include LID or green infrastructure demonstration projects, development of new best management practices, distribution of local farm products, urban agriculture e.g. farmers markets and backyard food production to promote or support social economic independence and healthy living</i>)	<input type="checkbox"/>
Natural Resource Improvement Action: Direct Improvement of Natural Resource Conditions – to improve landscape and natural resource conditions as a result of direct action (<i>examples include supporting private property owners with land stewardship, water quality and aquatic and wildlife habitat resources, removal of invasive weeds, stewardship on public land</i>)	<input checked="" type="checkbox"/>

2. Project Description – provide a brief description of the project that summarizes what you will do, how you will do it, and why you will do it. Describe target audience, outcomes, objectives and timelines.

As part of Woodinville’s commitment to 40% tree canopy coverage citywide, the City celebrates Arbor Day each year with a small education and outreach event. For 2016, the Woodinville Tree Board (citizen advisory panel for urban forestry) is growing the event to include youth educational activities, tree demonstration workshops, and native tree saplings distribution.

The proposed activities in Woodinville’s Arbor Day celebration (this year’s theme is Woodinville Tree Games) meets two of the KCD’s natural resource improvement actions, including education and outreach and direct improvement of natural resource conditions. Education and awareness of ecological stewardship, maintenance and protection of the area’s urban forests, and protection of sensitive areas has not been prominent in recent years. This event is aimed at a large audience base through informal education celebrating the region’s natural beauty.

The Arbor Day celebration is an ideal opportunity to reach a larger audience and provide education in a fun and informal setting. Activities will be focused around proper tree maintenance, ecosystem education, and outreach about the city's urban forests, streams, and wildlife areas. The target audience is residents in the surrounding communities, ranging from families to business owners. The intended outcome of this event is to educate nearby communities on different components of the area's ecosystems and to increase the city's tree canopy through plantings.

This year's event will be held on April 24th from 1-4 PM in Wilmot Park, located on the Sammamish River Trail. This location is an ideal setting to support the community's priorities of ecosystem protection, recreation, and urban forests. Staff and Tree Board Members are currently working on developing the different components of the Arbor Day Celebration.

Project Activities and Measurable Results – using the table below, list specific project activities to be completed, the timetable for the activities, and the deliverables associated with those activities. Consider the following in your answer to this question: *What actions, interventions, programs, services will be deployed?* *NOTE: If you want to attach Item 3 as a separate page, feel free to do so.*

	Activity Description	Outcomes/Deliverables/ Measurable Results (tangible and intangible)	Timeline
1.	Arbor Day Ceremony	Proclamation by Council, planting ceremony in Wilmot Park with elected officials. Activity will raise awareness of Woodinville's Tree City USA designation and urban forestry priorities.	4/22/16-4/24/16
2.	Arbor Day Celebration Event	100 to 150 attendees anticipated. Overarching goals include: raising awareness and education on urban forests, proper tree/plant care, and environmental stewardship. Individual activities are listed below.	4/24/16
3.	Arbor Day Celebration Event – Youth's activities	Education with kids and teens through games and activities. Activities will focus on tree/forest benefits, environmental protection, and trees in urban areas.	4/24/16
4.	Arbor Day Celebration Event -Tree pruning workshops	Education with homeowners on proper tree pruning and maintenance techniques. Workshops will be led by a certified arborist.	4/24/16

5.	Arbor Day Celebration Event – Tree sapling distribution and giveaway	The city's goal is to reach a tree canopy of 40%. This activity will distribute 200-300 native tree saplings (Douglas Fir, Sitka spruce, or Pacific silver species) to residents for planting.	4/24/16
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3. Project Budget & Expenses (Use attached worksheet)

- 4. KCD Acknowledgement** – By signing below, the applicant agrees to acknowledge King Conservation District funding by placing the KCD logo on signs, materials, and documents produced as part of the above proposal. In addition, the applicant will notify KCD of public events and activities funded by the KCD.

Authorized Signature

Date



Member Jurisdiction Grant Program Grant Application

Project Budget Form

Promoting sustainable uses of natural resources through

Project Name	Woodinville Tree Games (Arbor Day Celebration)		
Applicant	City of Woodinville		
Contact	Amanda Almgren, Associate Planner		
Mailing Address	17301 133rd Ave NE		
E-mail	amandaa@ci.woodinville.wa.us	Project Start Date:	04/24/2016
Phone	425-877-2285	Project End Date:	04/24/2016
Budget Item	KCD Funds	Other Funds	Total
		City of Woodinville	Local Businesses
Salaries & Benefits		\$400	\$400
Travel/ Meals/ Mileage			\$0
Office Supplies	\$100		\$100
Field Supplies	\$400		\$400
Contracted/ Professional Services			\$0
Land Acquisition			\$0
Permits		\$182	\$182
Other: Kids education activities	\$300		\$300
Other: Giveaways			\$0
Other: (specify)			\$0
Other: (specify)			\$0
Other: (specify)			\$0
TOTAL	\$800	\$582	\$1,382

Total Project Cost	\$1,382
Total Match	\$582
Amount of KCD Funding Requested	\$800
Match Percentage	42%

If your KCD Member Jurisdiction Grant Project is approved as a part of this process, this spreadsheet will also be used for project tracking. **Please don't forget to attach this tab to your application.** There are multiple Expense & Project Report forms in the following tabs that will automatically load your KCD project information and budgeted line items, as well as a blank form that can be copied for additional submissions. There is a Reimbursement Request form that will also load KCD budgeted line items, and a Budget Revision Request form **should it be needed**; additional reimbursement request forms are also provided to track your work in one project packet.

We hope this eases future project tracking.



King CD Member Jurisdiction Grant Program
Request for Reimbursement Form

Date of Request					
Date by which Payment is Needed					
Project Name	Woodinville Tree Games (Arbor Day Celebration)				
Grantee	City of Woodinville				
Project Contact	Amanda Almgren, Associate Planner				
Email	amandaa@ci.woodinville.wa.us				
Phone	425-877-2285				
Grant Budget (as stated in application)					
Budget Line Item/Category	Budget Amount	Current Expenditure	Amount to be reimbursed	Year to Date (including current expenditure)	Balance Remaining
Salaries & Benefits	\$0				\$0.00
Travel/ Meals/ Mileage	\$0				\$0.00
Office Supplies	\$100				\$100.00
Field Supplies	\$400	\$505.74	\$505.74	\$505.74	-\$105.74
Contracted/ Professional Services	\$0				\$0.00
Land Acquisition	\$0				\$0.00
Permits	\$0				\$0.00
Other: Kids education activities	\$300	\$106.08	\$106.08	\$106.08	\$193.92
Other: Giveaways	\$0	\$10.88	\$10.88	\$10.88	-\$10.88
#REF!	\$0				\$0.00
Other: (specify)	\$0				\$0.00
Other: (specify)	\$0				\$0.00
Total	\$800.00	\$622.70	\$622.70	\$622.70	\$177.30

Please attach expense back-up documentation to this reimbursement request. If you are submitting receipts or invoices please use the expense detail/itemization report form to describe how the expenses relate to the grant project activities. If the attached expense documentation is self explanatory, the detail form is not necessary. *Reminder - You may fill out this form in lieu of the expense report due bi-annually on June 30th and November 30th; a final summary expense report will need to be submitted with the final progress and narrative reports. In addition, 10% of the grant award will be held back until the grant close out process is complete regardless of reimbursement requested.

WSF

Powered by ScheduleFM

Choose Calendar Options to customize the calendar presentation. Select a date's number for a daily calendar, or choose HOME to go the daily calendar for today.						
April 2016  Calendar Options  Date Range 						
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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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8:00am - 6:00pm WSF - Field 2 Puget Sound Premier League	5:30pm - 9:00pm WSF - Field 1 Wdvl Lacrosse	5:30pm - 9:00pm WSF - Field 1 Wdvl Lacrosse	5:30pm - 9:00pm WSF - Field 1 Wdvl Lacrosse	5:30pm - 8:30pm WSF - Field 1 North Bothell Little League	5:30pm - 9:00pm WSF - Field 1 Wdvl Lacrosse	10:00am - 4:00pm WSF - Field 1 Wdvl Lacrosse
12:00pm - 5:00pm WSF - Field 1 Woodinville Little League	5:30pm - 8:00pm WSF - Field 2 Woodinville Little League	5:30pm - 8:00pm WSF - Field 2 Woodinville Little League	5:30pm - 8:30pm WSF - Field 2 North Bothell Little League	5:30pm - 8:00pm WSF - Field 2 Woodinville Little League	5:30pm - 8:30pm WSF - Field 2 North Bothell Little League	4:00pm - 8:00pm WSF - Field 1 Puget Sound Premier League
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AGENDA ITEM 4



CITY OF WOODINVILLE, WA
REPORT TO THE TREE BOARD
17301 133rd Avenue NE, Woodinville, WA 98072
WWW.CI.WOODINVILLE.WA.US

To: Tree Board **Date:** February 24, 2016
From: Dave Kuhl, Development Services Director DK
By: Amanda Almgren, Associate Planner AA
Subject: Review of Plant Species Lists

ISSUE: Shall the Tree Board review and discuss the plant species lists?

STAFF RECOMMENDATION: To review and provide feedback on the lists.

POLICY DECISION: The Tree Board provides an advisory role to the City Council on matters of trees and urban forestry.

BACKGROUND:

The City of Woodinville Tree Board developed a Plant Species List in 2000. The list was intended to assist the City, private developers and residents with the selection of plant materials for public and private properties. The list contains information on plants specific to name, size, form, features, exposure, soil conditions and limitations near utilities and City's rights-of-way. In addition, a list of prohibited plant species that offer no aesthetic or functional qualities to the community and are a threat to property and public safety is included.

At the January 27, 2016, Tree Board Meeting, members reviewed the existing list and proposed adding some subcategories to the tree and plant list.

DISCUSSION:

Staff is asking the Tree Board to review the Plant Species List and consider additional changes. The following are consideration for the Tree Board to discuss:

- Inclusion of additional information (e.g. spacing for plantings)
- What subcategories should be added to the tree list (e.g. ROW, Parking Lots, and Dense Urban Residential)?
- Are there suggestions for trees throughout the downtown core?
- Are there additional plants that should be considered in the prohibited list?

RECOMMENDED ACTION:

DISCUSS AND MAKE RECOMMENDATIONS

Attachment A: Tree list

Attachment B: Shrubs, groundcovers, vines and ornamental grasses list

Attachment C: Prohibited plant list

TREES								
Evergreen								
Scientific Name	Common Name	Height	Spacing	Accent Characteristics	Exposure	Drought Tolerant	Tolerates Wet Soil	Unsuitable in ROW and near utilities
Abies concolor	White Fir*	30'-45'		Colored foliage		Yes	No	Power lines, too large
Abies grandis	Grand Fir	45'+				No	No	Power lines, too large
Calocedrus decurrens	Incense Cedar*	30'-45'				Yes	No	Power lines, too large
Cedrus atlantica	Atlas Cedar	45'+				Yes	No	Power lines, too large
Cedrus deodara	Deodar Cedar	45'+				Yes	No	Power lines, too large
Chamaecyparis lawsoniana	Port Orford Cedar	45'+				No	No	Power lines, too large
Chamaecyparis nootkatensis	Alaskan Yellow Cedar*	45'+				No	No	Power lines, too large
Chamaecyparis obtusa	Hinoki Cypress	30'-45'				No	No	Power lines, too large
Chamaecyparis obtuse 'Gracilis'	Gracilis Hinoki Cypress	15'-30'				No	No	
Cupressocyparis leylandii	Leyland Cypress	45'+				No	No	Power lines, too large Invasive roots
Ilex aquifolium	English Holly	15'-30'		Fruiting/berries		No	No	
Magnolia grandiflora	Southern Magnolia	45'+		Flowering		No	No	Power lines, too large
Picea engelmannii	Engelmann Spruce	45'+		Colored foliage		Yes	No	Power lines, too large
Picea pungens	Colorado Spruce	45'+		Colored foliage		Yes	No	Power lines, too large Insects/diseases
Picea pungens 'Glauca'	Colorado Blue Spruce	45'+		Colored foliage		Yes	No	Power lines, too large Insects/diseases
Pinus contorta	Shore Pine*	15'-30'				No	No	
Pinus densiflora 'Umbraculifera'	Japanese Red Pine	45'+				No	No	Power lines, too large
Pinus nigra	Austrian Black Pine	15'-30'				No	No	
Pinus sylvestris	Scotch Pine	45'+				No	No	Power lines, too large
Pinus thunbergii	Japanese Black Pine	30'-45'				Yes	No	
Pseudotsuga menziesii	Douglas Fir*	45'+				No	No	Power lines, too large
Thuja occidentalis	American Arborvitae	30'-45'				No	No	Power lines, too large
Thuja occidentalis varieties	American Arborvitae varieties	15'-30'				No	No	Power lines, too large
Thuja plicata	Western Red Cedar*	45'+				No	Yes	Power lines, too large
Tsuga Canadensis	Canadian Hemlock	45'+				No	Yes	Power lines, too large
Tsuga heterophylla	Western Hemlock	45'+				No	Yes	Power lines, too large
Tsuga mertensiana	Mountain Hemlock*	45'+				No	No	Power lines, too large
Ulmus parvifolia	Evergreen Chinese Elm	15'-30'				No	No	Insects/diseases
Deciduous								
A. rubrum x A. saccharinum 'Autumn Blaze'	Autumn Blaze Maple	45'+		Fall color		No	Yes	Power lines, too large
A. truncatum x A. platanoides 'Warrenred'	Pacific Sunset Maple	15'-30'		Fall color		No	No	
Acer buergeranum	Trident Maple	15'-30'		Fall color		No	No	
Acer campestre	Hedge Maple	15'-30'		Fall color		No	No	
Acer circinatum	Vine Maple*	15'-30'		Fall color		No	No	
Acer ginnala	Amur Maple	15'-30'		Fall color		No	No	
Acer griseum	Paperback Maple	15'-30'		Fall color		No	No	
Acer palmatum	Japanese Maple	15'-30'		Fall color		No	No	
Acer palmatum varieties	Japanese Maple varieties	15'-30'		Fall color		No	No	
Acer platanoides	Norway Maple	30'-45'		Fall color		No	No	Power lines, too large
Acer platanoides 'Cleveland'	Almira Norway Maple	30'-45' /columnar		Fall color		No	No	Power lines, too large
Acer platanoides 'Columnare'	Columnar Norway Maple	30'-45' /columnar		Fall color		No	No	Power lines, too large
Acer platanoides varieties	Norway Maple varieties	30'-45' /columnar		Fall color		No	No	Power lines, too large

Acer pseudoplatanus	Sycamore Maple	45'+		Fall color		No	No	Power lines, too large
Acer rubrum	Red Maple*	45'+		Fall color		No	No	Power lines, too large
Acer rubrum 'Armstrong'	Armstrong Maple	45'+ /columnar		Fall color		No	No	Power lines, too large
Acer rubrum 'Bowhall'	Bowhall Maple	30'-45' /columnar		Fall color		No	No	
Acer rubrum 'Doric'	Doric Maple	30'-45' /columnar		Fall color		No	No	
Acer rubrum 'Karpic'	Karpic Maple	45'+ /columnar		Fall color		No	No	Power lines, too large
Acer rubrum 'Scarlet Sentinel'	Scarlet Sentinel Maple	30'-45' /columnar		Fall color		No	No	Power lines, too large
Acer rubrum varieties	Red Maple varieties	30'-45'+		Fall color		No	No	Power lines, too large
Acer truncatum	Shantung Maple	15'-30'		Fall color		No	No	
Aesculus hippocastanum 'Baumanii'	Bauman Horsechestnut	45'+		Flowering		No	No	Power lines, too large Invasive roots
Aesculus x carnea 'Briotii'	Red Horsechestnut	30'-45'		Flowering		No	No	Power lines, too large
Amelanchier alnifolia	Saskatoon Serviceberry*	15'-30'		Fall color; flowering		No	No	Produces fruit/berries
Amelanchier canadensis	Serviceberry	15'-30'		Fall color; flowering		No	No	Produces fruit/berries
Amelanchier laevis	Allegheny Serviceberry	30'-45'		Fall color; flowering		No	No	Produces fruit/berries
Amelanchier x grandiflora	Apple Serviceberry	15'-30'		Fall color; flowering		No	No	Produces fruit/berries
Betula jacquemontii	Jacquemontii Birch	45'+		Fall color		No	Yes	Power lines, too large Insects/diseases
Betula nigra	River Birch	45'+		Fall color		No	Yes	Power lines, too large Insects/diseases
Betula papyrifera	Paper Birch	45'+		Fall color		No	Yes	Power lines, too large Insects/diseases
Betula pendula	European White Birch	45'+		Fall color		No	Yes	Power lines, too large Insects/diseases
Carpinus betulus	European Hornbeam	30'-45'				No	No	Power lines, too large Insects/diseases
Carpinus betulus 'Fastigiata'	Columnar European Hornbeam	30'-45'/columnar				No	No	Power lines, too large Insects/diseases
Carpinus caroliniana	American Hornbeam	15'-30'				No	No	
Carpinus japonica	Japanese Hornbeam	15'-30'				No	No	
Cercidiphyllum japonicum	Katsura Tree	30'-45'		Fall color		No	No	Power lines, too large
Cercis Canadensis	Eastern Redbud	15'-30'		Fall color; flowering; colored foliage		No	No	
Cornus florida	Flowering Dogwood	15'-30'		Flowering		No	No	
Cornus kousa	Kousa Dogwood	15'-30'		Fall color; flowering; fruiting/berries		No	No	Produces fruit/berries
Cornus mas	Cornelian Cherry Dogwood	15'-30'		Flowering		No	No	
Cornus rutgersensis 'Aurora'	Aurora Stellar Dogwood	15'-30'		Flowering		No	No	
Cornus rutgersensis 'Celestial'	Celestial Stellar Dogwood	15'-30'		Flowering		No	No	
Cornus rutgersensis 'Stellar Pink'	Stellar Pink Dogwood	15'-30'		Flowering		No	No	
Crataegus crusgalli 'Inermis'	Thornless Cockspur Hawthorn	15'-30'		Fall color; fruiting/berries		Yes	No	Produces fruit/berries
Crataegus phaenopyrum	Washington Hawthorn	15'-30'		Fall color; flowering fruiting/berries		Yes	No	Produces fruit/berries
Crataegus virdis 'Winter King'	Winter King Hawthorn	15'-30'		Fall color; fruiting/berries		Yes	No	Produces fruit/berries
Crataegus x lavallie	Lavalle Hawthorn	15'-30'		Fall color; flowering fruiting/berries		Yes	No	Produces fruit/berries

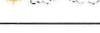
Davidia involucrate	Dove Tree	30'-45'		Flowering; fruiting/berries	 	No	No	Power lines, too large
Fagus sylvatica	European Beech	45' +				No	No	Power lines, too large
Fagus sylvatica 'Dawyckii'	Pyramidal Beech	45' +/columnar				No	No	Power lines, too large
Fraxinus americana 'Autumn Applause'	Autumn Applause White Ash	45' +		Fall color		Yes	No	Power lines, too large
Fraxinus americana 'Autumn Purple'	Autumn Purple White Ash	45' +		Fall color		Yes	No	Power lines, too large
Fraxinus americana 'Rose Hill'	Rose Hill White Ash	45' +		Fall color		Yes	No	Power lines, too large
Fraxinus excelsior	Globe Ash	45' +				Yes	No	
Fraxinus oxycarpa 'Raywood'	Raywood Ash	30'-45'		Fall color		No	No	Power lines, too large
Fraxinus pennsylvanica	Green Ash	45' +				No	Yes	Power lines, too large
Gingko biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree	45' +/columnar		Fall color		Yes	No	Power lines, too large
Gingko biloba (male only)	Maidenhair Tree	45' +		Fall color		Yes	No	Power lines, too large
Gymnocladus dioicus	Kentucky Coffee Tree	30'-45'				Yes	No	Power lines, too large
Halesia carolina	Carolina Silverbell	30'-45'		Flowering		No	No	Power lines, too large
Halesia monticola	Mountain Silverbell	45' +		Flowering; fruiting/berries	 	No	No	Power lines, too large
Hamamelis mollis	Chinses Witch Hazel	15'-30'		Fall color; flowering	 	No	No	
Koelreuteria paniculata	Goldenrain Tree	15'-30'		Flowering; fruiting/berries		Yes	No	
Liquidambar styraciflua	Sweet Gum	45' +		Flowering; fruiting/berries		No	No	Power lines, too large Invasive roots
Liriodendron tulipifera	Tulip Tree	45' +		Fall color		No	No	Power lines, too large Insects/diseases
Magnolia Kobus	Kobus Magnolia	30'-45'		Flowering		No	No	Power lines, too large
Magnolia x soulangiana	Saucer Magnolia	15'-30'		Flowering		No	No	
Malus 'Snowdrift'	Snowdrift Crabapple	15'-30'		Flowering; fruiting/berries		No	No	Produces fruit/berries Insects/diseases
Malus 'Sugar Tyme'	Sugartyme Crabapple	15'-30'		Flowering; fruiting/berries		No	No	Produces fruit/berries
Malus tschonoskii	Tschonoski Crabapple	30'-45' /columnar		Flowering; fruiting/berries		No	No	Power lines, too large Produces fruit/berries Insects/diseases
Metasequoia glyptostroboides	Dawn Redwood	45' +		Fall color		No	Yes	Power lines, too large
Oxydendrum arboretum	Sourwood	15'-30'		Fall color		No	No	
Parrotia persica		15'-30'		Fall color		No	No	
Platanus acerifolia	London Plane Tree	45' +				No	No	Power lines, too large Invasive roots Insects/diseases
Populus tremuloides	Quaking Aspen	30'-45'		Fall color		No	Yes	Power lines, too large Invasive roots
Prunus sargentii	Sargent Cherry	30'-45'		Fall color; flowering	 	No	No	
Prunus serrulata varieties	Japanese Flowering Cherry	15'-30'		Flowering		No	No	
Prunus spp.	Flowering Plums	15'-45'		Flowering		No	No	Power lines, too large
Prunus subhirtella varieties	Japanese Flowering Cherry	15'-30'		Flowering		No	No	
Prunus virginiana	Chokecherry	15'-30'		Flowering		Yes	No	
Prunus yedoensis	Yoshino Flowering Cherry	15'-30'		Flowering		No	No	Power lines, too large
Prunus yedoensis 'Akebono'	Akebono Flowering Cherry	15'-30'		Flowering		No	No	

<i>Pyrus calleryana</i> 'Capital'	Capital Flowering Pear	30'-45'/columnar		Flowering		No	No	Power lines, too large
<i>Pyrus calleryana</i> 'Chanticleer'	Chanticleer Flowering Pear	30'-45'/columnar		Flowering		No	No	Power lines, too large
<i>Pyrus calleryana</i> varieties	Flowering Pear varieties	30'-45'		Flowering		No	No	Power lines, too large
<i>Quercus coccinea</i>	Scarlet Oak	45'+		Fall color		No	No	Power lines, too large
<i>Quercus imbricaria</i>	Shingle Oak	45'+				No	No	Power lines, too large
<i>Quercus patustris</i>	Pin Oak	45'+				No	No	Power lines, too large
<i>Quercus robur</i>	English Oak	45'+				No	No	Power lines, too large
<i>Quercus robur</i> 'Fastigiata'	Upright English Oak	45'+/columnar				No	No	Power lines, too large
<i>Quercus rubra</i>	Red Oak	45'+				No	No	Power lines, too large
<i>Quercus shumardii</i>	Shumard Oak			Fall color		No	No	
<i>Rhus typhina</i>	Staghorn Sumac	15'-30'		Fall color, fruiting/berries		Yes	No	Invasive roots
<i>Robinia pseudoacacia</i> 'Frisia'	Frisia Black Locust	45'+		Fall color; flowering		Yes	No	Power lines, too large Invasive roots Brittle branches
<i>Sophora japonica</i>	Japanese Pagoda Tree	45'+		Flowering	 	No	No	Power lines, too large Insects/diseases
<i>Sorbus aria</i>	Whitebeam Mountain Ash	30'-45'		Fall color; fruiting/berries	 	No	No	Power lines, too large Insects/diseases
<i>Sorbus tianshanica</i> 'Red Cascade'	Red Cascade Mountain Ash	15'-30'		Fruiting/berries	 	No	No	Power lines, too large Insects/diseases
<i>Stewartia pseudocamellia</i>	Japanese Stewartia	45'+		Fall color; flowering	 	No	Yes	Power lines, too large
<i>Styrax japonica</i>	Japanese Snowdrop	15'-30'		Fall color; flowering	 	No	No	
<i>Styrax obassia</i>	Fragrant Snowbell	15'-30'		Fall color; flowering	 	No	No	
<i>Taxodium distichum</i>	Bald Cypress	45'+				No	No	Power lines, too large
<i>Tilia Americana</i>	American Linden	45'+		Fall color; flowering		No	No	Power lines, too large
<i>Tilia cordata</i> 'Chancelor'	Upright Littleleaf Linden	30'-45'/columnar		Fall color; flowering		No	No	Power lines, too large
<i>Tilia cordata</i> 'Greenspire'	Littleleaf Linden	30'-45'		Fall color; flowering		No	No	Power lines, too large
<i>Tilia x euclora</i>	Crimean Linden	30'-45'		Fall color; flowering		No	No	Power lines, too large
<i>Ulmus glabra</i> 'Camperdownii'	Camperdown Elm	15'-30'				No	No	Insects/diseases
<i>Ulmus parvifolia</i>	Evergreen Chinese Elm	45'+				No	No	Power lines, too large
<i>Zelkova serrata</i>	Green Vase Zelkova	45'+		Fall color		No	No	Power lines, too large

SHRUBS, GROUNDCOVERS, VINES & ORNAMENTAL GRASSES									
Evergreen									
Scientific Name	Common Name	Height	Spacing	Accent Characteristics	Exposure	Drought Tolerant	Tolerates Wet Soil	Potential Hazards	Traffic Circle
Abelia 'Edward Goucher'	Pink Abelia	6'+		Flowering; butterflies		No	No	Attracts bees	
Abelia grandiflora	Glossy Abelia	3'-6'		Flowering; butterflies		No	No	Attracts bees	
Andromeda polifolia	Bog Rosemary	1'-3'		Flowering; butterflies		No	Yes		
Arbutus unedo	Strawberry Tree	6'+		Flowering; fruiting/berries		No	No		
Arbutus unedo 'Compacta'	Compact Strawberry Tree	6'+		Flowering; fruiting/berries		No	No		
Arctostaphylos uva-ursi	Kinnikinnick	Groundcover		Flowering; butterflies; fruiting/berries		Yes	No		Throughout
Aucuba japonica	Japanese Aucuba	6'+		Colored foliage; fruiting/berries		No	No		
Azalea sp.	Evergreen Azalea	3'-6'		Colored foliage; fruiting/berries		No	No	Attracts bees	
Berberis buxifolia 'Nana'	Dwarf Magellan Barberry	1'-3'		Flowering; fruiting/berries		No	No	Thorns	Throughout
Berberis darwinii	Darwin Barberry	6'+		Flowering; fruiting/berries		No	No	Thorns	
Berberis gladwynensis 'William Penn'	William Penn Barberry	3'-6'		Flowering; fruiting/berries		No	No		
Berberis julianae	Wintergreen Barberry	3'-6'		Flowering; fruiting/berries		No	No	Thorns	
Berberis verruculosa	Warty Barberry	1'-3'		Flowering; fruiting/berries		No	No	Thorns	Throughout
Buxus microphylla japonica	Japanese Boxwood	3'-6'				No	No		
Buxus sempervirens	Common Boxwood	6'+				No	No		
Callicarpa bodiniera 'Profusion'	Profusion Beautyberry	6'+		Fall color; fruiting/berries		No	No		
Calluna vulgaris varieties	Scotch Heather Varieties	1'-3'		Flowering; butterflies		No	No		Throughout
Camellia japonica	Japanese Camellia	6'+		Flowering		No	No		
Camellia sasanqua	Sasanqua Camellia	6'+		Flowering		No	No		
Carex sp.	Sedge Grass Varieties	1'-3'		Colored foliage		No	No		Throughout
Ceanothus gloriosus	Point Reyes Ceanothus	Groundcover		Flowering; butterflies		Yes	No	Attracts bees	Throughout
Ceanothus varieties	Ceanothus Varieties	3'-6'+		Flowering; butterflies		Yes	No	Attracts bees	
Ceanothus x impressus 'Victoria'	Victoria Santa Barbara Ceanothus	6'+		Flowering; butterflies		Yes	No	Attracts bees	
Chamaecyparis obtuse 'Gracilis Nana'	Dwarf Hinoki Cypress	3'-6'				No	No		

Choisya ternate	Mexican Orange	3'-6'		Flowering; butterflies		Yes	No		
Cistus ladanifer	Crimson Spot Rockrose	3'-6'		Flowering; butterflies		Yes	No		
Cistus purpureus	Orchid Rockrose	3'-6'		Flowering; butterflies		Yes	No		
Cistus x hybridus	White Rockrose	3'-6'		Flowering; butterflies		Yes	No		
Clematis armandii	Evergreen Clematis	1'-3'		Flowering; butterflies		No	No		
Cotoneaster congestus	Pyrenees Cotoneaster	1'-3'		Fruiting/berries		Yes	No		Throughout
Cotoneaster dammeri	Bearberry Cotoneaster	Groundcover		Fruiting/berries		Yes	No		Throughout
Cotoneaster lacteus	Parney Cotoneaster	6'+		Fruiting/berries		Yes	No		
Cotoneaster 'Lowfast'	Lowfast Cotoneaster	1'-3'		Fruiting/berries		Yes	No		Throughout
Cotoneaster microphyllus	Cotoneaster	6'+		Fruiting/berries		Yes	No		
Cryptomeria japonica 'Lobbi Nana'	Dwarf Plume Cedar	3'-6'				No	No		
Daboecia cantabrica 'Alba'	White Heath	1'-3'		Flowering		No	No		Throughout
Daboecia cantabrica 'Atropurpurea'	Purple Heath	1'-3'		Flowering		No	No		Throughout
Daboecia x scotia 'William Buchanan'	William Buchanan Heath	1'-3'		Flowering		No	No		
Daphne cneorum	Rock Garden Daphne	1'-3'		Flowering		Yes	No		
Daphne cneorum 'Ruby Glow'	Ruby Glow Garland Daphne	1'-3'		Flowering		Yes	No		
Daphne odora	Winter Daphne	3'-6'		Flowering		No	No		Circle center
Daphne x burwoodii 'Carol Mackie'	Carol Mackie Daphne	3'-6'		Flowering; colored foliage		Yes	No		Circle center
Daphne x burwoodii 'Somerset'	Somerset Daphne	3'-6'		Flowering;		Yes	No		Circle center
Erica carnea varieties	Heath Varieties	1'-3'		Flowering;		No	No		Throughout
Erica sp.	Erica	1'-3'		Flowering;		No	No		Throughout
Escallonia rubra	Escallonia	6'+		Flowering; butterflies		No	No		
Escallonia rubra varieties	Escallonia Varieties	6'+		Flowering; butterflies		No	No		
Euonymus fortunei varieties	Winter Creeper Varieties	1'-3'		Colored foliage		No	No		Throughout
Euonymus japonicus varieties	Japanese Euonymus Varieties	1'-6'+		Colored foliage		No	No		
Fargesia nitida	Blue Fountain Bamboo (Clumping Bamboo)	6'+				No	No	Additional maintenance	
Fatsia japonica	Fatsia	6'+				No	No	Invasive	
Festuca 'Elijah Blue'	Elijah Blue Fescue Grass	1'-3'		Colored foliage		Yes	No		Throughout
Festuca ovina 'Glaucua'	Blue Fescue Grass	1'-3'		Colored foliage		Yes	No		Throughout
Fragaria chiloensis	Beach Strawberry*	Groundcover		Flowering		Yes	No		Throughout
Gaultheria procumbens	Wintergreen	Groundcover		Flowering; fruiting/berries		No	No		Throughout
Gaultheria shallon	Salal	1'-3'		Flowering		No	No		Throughout
Hebe sp.	Hebe	3'-6'		Flowering; butterflies		No	No		

<i>Hedera helix</i> 'Baltica'	Baltic Ivy	Groundcover		Colored foliage		No	No	Invasive	
<i>Hedera helix</i> 'Hahn's Self-branching'	Hahn's Ivy	Groundcover				No	No	Invasive	
<i>Hedera helix</i> 'Needlepoint'	Needlepoint Ivy	Groundcover				No	No	Invasive	
<i>Helictotrichon sempervirens</i>	Blue Oat Grass	1'-3'		Colored foliage		No	No		Throughout
Hybrid Daylilies	Hybrid Daylilies	1'-3'		Flowering;		No	No		Throughout
<i>Iberis sempervirens</i>	Evergreen Candytuft	Groundcover		Flowering; butterflies		No	No		Throughout
<i>Ilex cornuta</i> varieties	Chinese Holly	6'+		Fruiting/berries		No	No	Thorns	
<i>Ilex crenata</i> varieties	Japanese Holly	1'-6'		Fruiting/berries		No	No	Thorns	
<i>Imperata cylindrical</i> 'Rubra'	Japanese Blood Grass	1'-3'		Colored foliage		No	No		Throughout
<i>Juniperus</i> sp.	Juniper	1'-6'+				Yes	No		
<i>Kalmia latifolia</i>	Mountain Laurel	3'-6'+		Flowering		No	No		
<i>Laurentia fluvialis</i>	Blue Star Creeper	Groundcover		Flowering		No	No		Throughout
<i>Lavandula angustifolia</i>	English Lavender	3'-6'		Flowering; butterflies		Yes	No	Attracts bees	Throughout
<i>Lavandula angustifolia</i> varieties	English Lavender Varieties	1'-3'		Flowering; colored foliage; butterflies		Yes	No	Attracts bees	Throughout
<i>Lavandula latifolia</i>	Spike Lavender	3'-6'		Flowering; butterflies		Yes	No	Attracts bees	Throughout
<i>Leucothoe axillaris</i>	Coast Leucothoe	3'-6'		Flowering		Yes	No		
<i>Leucothoe fontanesiana</i>	Drooping Leucothoe	3'-6'		Flowering; fruiting/berries		Yes	No		
<i>Ligustrum japonicum</i> varieties	Japanese Privet Varieties	6'+				No	No		
<i>Ligustrum lucidum</i>	Glossy Privet	6'+		Flowering; fruiting/berries		No	No	Additional maintenance	
<i>Liriope muscari</i>	Lily Turf	1'-3'		Flowering; fruiting/berries		No	No		Throughout
<i>Liriope spicata</i>	Creeping Lily Turf	1'-3'/ groundcover		Flowering; fruiting/berries		No	No		Throughout
<i>Lonicera japonica</i> varieties	Japanese Honeysuckle Varieties	1'-3'		Flowering; fruiting/berries		No	No	Invasive; attracts bees; additional maintenance	Throughout
<i>Mahonia aquifolium</i>	Oregon Grape*	6'+		Flowering; fall color; Fruiting/berries; butterflies		Yes	No	Attracts bees	Circle center
<i>Mahonia aquifolium</i> 'Compactum'	Dwarf Oregon Grape*	3'-6'		Flowering; fall color; Fruiting/berries; butterflies		Yes	No	Attracts bees	Circle center
<i>Mahonia nervosa</i>	Longleaf Mahonia	1'-3'		Flowering; butterflies Fruiting/berries;		No	No	Attracts bees	Throughout
<i>Mahonia repens</i>	Creeping Mahonia	1'-3'		Flowering; butterflies Colored foliage; fruiting/berries		Yes	No	Attracts bees	Throughout
<i>Miscanthus sinensis</i>	Japanese Silver Grass	6'+		Colored foliage		Yes	No		

Molina caerulea varieties	Moor Grass Varieties	1'-3'		Flowering		Yes	No		Throughout
Myrica californica	Pacific Wax Myrtle*	6'+		Fruiting/berries		Yes	No		
Nandina domestica	Heavenly Bamboo	6'+		Fruiting/berries; fall color		Yes	No		
Nandina domestica 'Compacta'	Compact Heavenly Bamboo	3'-6'		Fruiting/berries; fall color		Yes	No		
Nandina domestica 'Harbor Dwarf'	Harbor Dwarf Heavenly Bamboo	1'-3'		Fruiting/berries; fall color		Yes	No		Throughout
Ophiopogon japonicus	Mondo Grass	Groundcover		Flowering		No	No		Throughout
Osmanthus delavayi	Delavay Osmanthus	3'-6'		Flowering		No	No		
Osmanthus x burkwoodii	Burkwood Osmanthus	6'+		Flowering		No	No		
Pachysandra terminalis	Japanese Spurge	Groundcover		Flowering; fruiting/berries		No	No		Throughout
Phormium tenax	New Zealand Flax	6'+		Colored foliage		No	No		
Photinia glabra	Japanese Photinia	6'+		Flowering; colored foliage; fruiting/berries		No	No		
Photinia x fraseri	Faser Photinia	6'+		Flowering; colored foliage		No	No		
Phyllostachys aurea	Golden Bamboo	6'+				No	No		
Pieris Formosa 'Forest Flame'	Forest Flame Pieris	6'+		Flowering; colored foliage		No	No		
Pieris japonica varieties	Japanese Pieris Varieties	6'+		Flowering; colored foliage		No	No		
Pinus densiflora 'Umbraculifera Compacta'	Compact Tanyosho Pine	6'+				Yes	No		
Pinus mugo mugo	Dwarf Mugo Pine	3'-6'				Yes	No		
Polystichum munitum	Sword Fern*	3'-6'				No	No		Circle center
Prunus laurocerasus	English Laurel	6'+		Flowering		No	No	Additional maintenance	
Prunus laurocerasus 'Otto Luyken'	Otto Luyken Laurel	3'-6'				No	No		
Prunus laurocerasus schipkaensis	Shipka Laurel	3'-6'				No	No		
Prunus laurocerasus 'Zabeliana'	Zabel Laurel	3'-6'				No	No		
Prunus lusitanica	Portugal Laurel	6'+		Flowering; fruiting/berries		Yes	No		
Pyracantha fortuneana varieties	Firethorn Varieties	6'+		Fruiting/berries		No	No	Thorns	
Raphiolepis indica	Indian Hawthorn	3'-6'		Flowering; fruiting/berries		No	No		
Raphiolepis umbellate ovata	Indian Hawthorn	6'+		Flowering; fruiting/berries		No	No		
Rhododendron hybrids	Hybrid Rhododendron	3'-6'		Flowering; butterflies		No	No	Attracts bees	
Rhododendron macrophyllum	Rhododendron	6'+		Flowering; butterflies		No	No	Attracts bees	
Rosmarinus officinalis	Rosemary	3'-6'		Flowering; wildlife; butterflies		Yes	No	Attracts bees	

<i>Rosmarinus officinalis</i> 'Prostratus'	Creeping Rosemary	1'-3'		Flowering; wildlife; butterflies		Yes	No	Attracts bees	Throughout
<i>Rubus calycinooides</i>	Bramble	1'-3'		Flowering; fruiting/berries		Yes	No		Throughout
<i>Saracococca hookerana humilis</i>	Saracococca	1'-3'		Flowering; fruiting/berries		No	No		Throughout
<i>Saracococca ruscifolia</i>	Saracococca	3'-6'		Flowering; fruiting/berries		No	No		
<i>Skimmia japonica</i>	Skimmia	3'-6'		Flowering; fruiting/berries		No	No	Insects/disease	
<i>Thymus pseudolanuginosus</i>	Woolly Thyme	Groundcover		Flowering		No	No		Throughout
<i>Thymus vulgaris</i> 'Argenteus'	Silver Thyme	1'-3'		Colored foliage		No	No		Throughout
<i>Vaccinium ovatum</i>	Evergreen Huckleberry*	3'-6'		Flowering; butterflies Fruiting/berries		No	No		Circle center
<i>Viburnum davidii</i>	David's Viburnum*	1'-3'		Flowering; butterflies Fruiting/berries		No	No		Throughout
<i>Viburnum tinus</i>	Laurestinus	6'+		Flowering; butterflies Fruiting/berries		No	No	Insects/disease	
<i>Viburnum tinus</i> varieties	Laurestinus Varieties	3'-6'		Flowering; butterflies Fruiting/berries		No	No		
<i>Viburnum x burkwoodii</i>	Burkwood Viburnum	6'+		Flowering; butterflies Fruiting/berries		No	No		
<i>Vinca minor</i>	Periwinkle	Groundcover		Flowering		No	No		Throughout
<i>Vinca minor</i> varieties	Periwinkle Varieties	Groundcover		Flowering; colored foliage		No	No		Throughout
<i>Yucca filamentosa</i>	Adam's Needle	1'-3'		Flowering		Yes	No		Circle center
Deciduous									
<i>Abelia</i> 'Edward Goucher'	Pink Abelia	6'+		Flowering; butterflies		No	No	Attracts bees	
<i>Abelia grandiflora</i>	Glossy Abelia	3'-6'		Flowering; butterflies		No	No	Attracts bees	
<i>Azalea</i> -Exbury	Exbury Azalea	3'-6'		Colored foliage; fruiting/berries		No	No	Attracts bees	
<i>Azalea</i> sp.	Deciduous Azalea	3'-6'		Colored foliage; fruiting/berries		No	No	Attracts bees	
<i>Berberis thunbergii</i>	Japanese Barberry	3'-6'		Flowering; fall color; fruiting/berries		No	No	Thorns	
<i>Berberis thunbergii</i> 'Atropurpurea'	Crimson Japanese Barberry	3'-6'		Flowering; fall color; fruiting/berries; colored foliage		No	No	Thorns	

Berberis thunbergii 'Atropurpurea Nana'	Crimson Pygmy Barberry	1'-3'		Flowering; fall color; fruiting/berries; colored foliage		No	No	Thorns	Throughout
Berberis thunbergii 'Rose Glow'	Rose Glow Barberry	3'-6'		Flowering; fall color; fruiting/berries; colored foliage		No	No	Thorns	
Campsis radicans	Trumpet Vine	1'-3'		Flowering		No	No		
Carex sp.	Sedge Grass Varieties	1'-3'		Colored foliage		No	No		Throughout
Chaenomeles japonica	Japanese Flowering Quince	6'+		Flowering; butterflies		No	No	Thorns	
Chaenomeles speciose varieties	Flowering Quince Varieties	1'-3'		Flowering; butterflies		No	No	Thorns	
Clematis montana	Anemone Clematis	1'-3'		Flowering; butterflies		No	No		
Clethra alnifolia	Clethra	6'+		Flowering; butterflies		No	No		
Cornus alba varieties	Tatarian Dogwood Varieties	6'+		Flowering; fruiting/berries		No	Yes		
Cornus baileyi	Bailey Redtwig Dogwood	6'+		Flowering; fruiting/berries		No	Yes		
Cornus sanguinea 'Midwinter Fire'	Midwinter Fire Dogwood	6'+		Flowering; fruiting/berries		No	Yes		
Cornus sericea	Red Osier Dogwood*	6'+		Flowering; fruiting/berries		No	Yes		
Cornus sericea 'Flaviramea'	Yellowtwig Dogwood	6'+		Flowering; fruiting/berries		No	Yes		
Cornus sericea 'Isanti'	Isanti Dogwood	3'-6'		Flowering; fruiting/berries		No	Yes		
Cornus sericea 'Kelseyi'	Kelseyi Dogwood	1'-3'		Flowering; fruiting/berries		No	Yes		Throughout
Corylopsis pauciflora	Buttercup Winterhazel	6'+		Flowering; colored foliage		No	No		
Corylopsis sinensis	Winterhazel	6'+		Flowering; fruiting/berries		No	No		
Corylopsis spicata	Spike Winterhazel	6'+		Flowering;		No	No		
Corylus avallana 'Contorta'	Harry Lauder's Walking Stick	6'+				No	No		
Corylus cornuta	Western Hazelnut*	6'+		Flowering		No	No		
Cotinus coggygria	Smoketree	6'+		Flowering; fruiting/berries		Yes	No		
Cotinus coggygria 'Royal Purple'	Royal Purple Smoketree	6'+		Flowering; colored foliage		Yes	No		
Cotoneaster acutifolius	Peking Cotoneaster	6'+		Fall color; fruiting/berries		Yes	No		
Cotoneaster adpressus 'Little Gem'	Little Gem Creeping Cotoneaster	1'-3'		Fall color; fruiting/berries		Yes	No		Throughout
Cotoneaster apiculatus	Cranberry Cotoneaster	3'-6'		Fall color; fruiting/berries		Yes	No		

Cotoneaster horizontalis	Rock Cotoneaster	1'-3'		Fall color; fruiting/berries		Yes	No		Throughout
Deutzia gracilis	Slender Deutzia	3'-6'		Flowering		No	No		
Enkianthus campanulatus	Enkianthus	6'+		Fall color; flowering		No	Yes		
Euonymus alata 'Compacta'	Compact Burning Bush	3'-6'		Fall color; flowering		No	No		
Fargesia nitida	Blue Fountain Bamboo (Clumping Bamboo)	6'+				No	No	Additional maintenance	
Forsythia x intermedia varieties	Forsythis Varieties	6'+		Flowering		No	No		
Genista lydia	Broom	1'-3'		Flowering;		Yes	No		Throughout
Genista pilosa varieties	Broom	1'-3'		Flowering; fall color		Yes	No		Throughout
Hamamelis x intermedia varieties	Hybrid Witch Hazel Varieties	6'+		Flowering; fall color		No	No		Circle center
Hemerocalis- Hybrids	Hybrid Daylilies	1'-3'		Flowering		No	No		Throughout
Hemerocalis sp.	Daylily	1'-3'		Flowering		No	No		Throughout
Hibiscus syriacus	Rose-of-Sharon	6'+		Flowering; butterflies		Yes	No		
Holodiscus discolor	Ocean Spray*	6'+		Flowering; butterflies		Yes	No		
Hosta sp.	Hosta	1'-3'		Flowering; colored foliage		No	No		Throughout
Hydrangea macrophylla	Big-leaf Hydrangea	6'+		Flowering		No	No		
Hypericum calycinum	St. Johnswort	Groundcover		Flowering		No	No	Invasive	Throughout
Lonicera involucrata	Black Twinberry*	6'+		Flowering; butterflies		No	No		
Magnolia stellata	Star Magnolia	6'+		Fall color; flowering		No	No		
Parthenocissus quinquefolia	Virginia Creeper	Groundcover				Yes	No		
Parthenocissus tricuspidata	Boston Ivy	Groundcover		Fall color		Yes	No		
Philadelphus coronaries	Mock Orange	6'+		Flowering; butterflies					
Physocarpus capitatus	Pacific Nine Bark	6'+		Fall color; flowering		No	No		
Potentilla fruticose	Shrubby Cinquefoil	3'-6'		Flowering; butterflies		Yes	No		
Rhododendron occidentalis	Western Azalea	6'+		Flowering; butterflies		No	No	Attracts bees	
Rhus glabra	Smooth Sumac	6'+		Fall color		Yes	No	Invasive	
Rhus typhina	Staghorn Sumac	6'+		Fall color; flowering		Yes	No	Invasive	
Ribes sanguineum	Red Flowering Currant*	6'+		Flowering; butterflies fruiting/berries		No	Yes		
Rosa nutkana	Nootka Rose*	3'-6'		Flowering; butterflies fruiting/berries		Yes	No	Thorns	Circle center
Rosa 'Redleaf'	Redleaf Rose	6'+		Flowering; butterflies fruiting/berries; Colored foliage		No	No	Thorns	Circle center

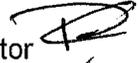
Rosa rugose	Rugosa Rose*	6'+		Flowering; butterflies fruiting/berries	 	Yes	No	Thorns	Circle center
Rosa sp.	Shrub Roses	6'+		Flowering; butterflies fruiting/berries	 	No	No	Attracts bees; thorns	Circle center
Rosa woodsii	Wood Rose*	3'-6'		Flowering; butterflies fruiting/berries	 	Yes	No	Thorns	Circle center
Rubus parviflorus	Thimbleberry*	6'+		Flowering; fruiting/berries	 	No	No		
Rubus spectabilis	Salmonberry*	6'+		Flowering; fruiting/berries	 	No	No		
Salix purpurea 'Nana'	Dwarf Purple Willow	1'-3'		Colored foliage	 	No	No		Throughout
Sambucus racemosa	Red Elderberry	6'+		Flowering; butterflies Fruiting/berries	 	No	No		
Spiraea douglasii	Douglas Spirea	6'+		Flowering; butterflies	 	Yes	No	Invasive	
Spiraea japonica varieties	Japanese Spirea Varieties	1'-6'		Flowering; butterflies	 	No	No		
Spiraea nipponica 'Snowmound'	Snowmound Spirea	1'-3'		Flowering; butterflies	 	No	No		Throughout
Spiraea x vanhouttei	Vanhouttei Spirea	3'-6'		Flowering; butterflies	 	No	No		
Symphoricarpos albus	Snowberry	3'-6'		Flowering; wildlife; fruiting/berries	  	Yes	No		
Symphoricarpos orbiculatus	Coralberry	3'-6'		Flowering; wildlife; fruiting/berries		Yes	No		
Syringa vulgaris varieties	Common Lilac Varieties	6'+		Flowering; butterflies	 	No	No		
Virburnum opulus 'Roseum'	European Cranberry Bush	6'+		Flowering; butterflies	 	No	No	Insects/disease	
Virburnum plicatum tomentosum	Doublefile Virburnum	6'+		Flowering; butterflies Fruiting/berries	 	No	No		
Virburnum x bodnantense 'Dawn'	Dawn Virburnum	6'+		Flowering; butterflies Fruiting/berries; Fall color	 	No	No	Hardiness	
Weigela florida varieties	Weigela Varieties	3'-6'		Flowering	 				
Wisteria sinensis	Chinese Wisteria	1'-3'		Flowering; butterflies	 	No	No		

PROHIBITED PLANT LIST		
Scientific Name	Common Name	Reason for Prohibition
Acer Saccharinum	Silver Maple	Weak branching, roots damage paved surfaces and utilities
Ailanthus Altissima	Tree of Heaven	Extremely invasive
Catalpa sp.	Caralpa	Weak branching, messy flower/seed capsule litter
Cytisus sp.	Broom	Extremely invasive
Ginkgo Biloba (female only)	Maidenhair Tree	Odorous, messy fruit litter
Hedera Helix	English Ivy	Extremely invasive
Laburum x Watereri	Goldenchain Tree	Poisonous seed pods
Populus Trichocarpa	Black Cottonwood	Extremely invasive, weak wood, roots damage paved surfaces and utilities
Robinia Psuedoacacia	Black Locust	Spreads easily, weak wood, roots damage paved surfaces and utilities
Ulmus Americana	American Elm	Susceptible to insects/diseases
Ulmus Pumila	Siberian Elm	Susceptible to insects/diseases

AGENDA ITEM 5



CITY OF WOODINVILLE, WA
REPORT TO THE TREE BOARD
17301 133rd Avenue NE, Woodinville, WA 98072
WWW.CI.WOODINVILLE.WA.US

To: Tree Board **Date:** February 24, 2016
From: Dave Kuhl, Development Services Director 
By: Amanda Almgren, Associate Planner 
Subject: Heritage Tree Program

ISSUE: Shall the Tree Board discuss and propose Heritage Tree Nominations?

STAFF RECOMMENDATION: Discuss and provide direction.

POLICY DECISION: The Tree Board provides an advisory role to the City Council on matters of trees and urban forestry.

BACKGROUND/DISCUSSION:

At the January 27, 2016, Tree Board meeting, members directed staff to provide additional information on the City's Heritage Tree Program.

Are there trees in the City that the Tree Board would like to nominate for the Heritage Tree Program?

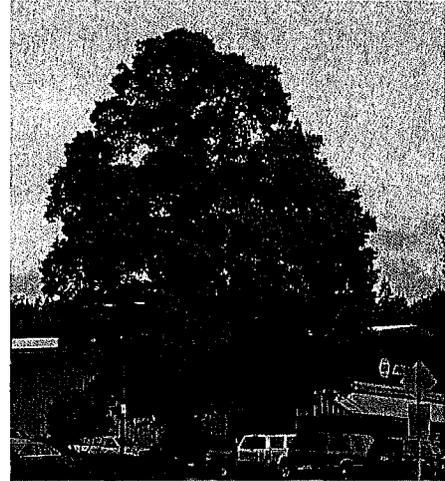
RECOMMENDED ACTION:
DISCUSS AND MAKE RECOMMENDATIONS

Attachment A: Heritage Tree Program Information
Attachment B: Heritage Tree Nomination Form

City of Woodinville Heritage Tree Program

To maintain the heritage and Northwest woodland character (as described in the City's Vision Statement) of Woodinville, the City Council established the Heritage Tree Program. This program recognizes trees that are unique examples of genus, species or cultivar form, size, or are of historic significance. The purpose of the program is to:

- Increase public awareness of trees in general;
- Draw attention to and protect trees that are unique examples of genus, species or cultivar form, size or other desirable features;
- Provide publicity for increased awareness of the purpose and activities of the City; and
- Encourage public participation in the identification and perpetuation of heritage trees.

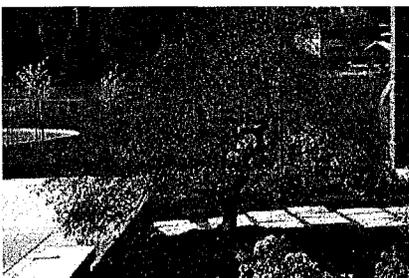


The castanea sativa, commonly known as the Spanish Chestnut, located near NE 175th Street adjacent to Napa Auto Parts at 140th Ave. N.E. is one of two designated Heritage Trees.

Nomination Process

The City's Tree Board reviews and makes recommendations to the City Council on nominations for Heritage Tree designations. Trees can be nominated by any citizen, but cannot be designated as a Heritage Tree without the permission of the owner of the property on which the tree is located. The nomination must include a description of the tree nominated, the characteristics that merit the tree being designated for heritage status, and a picture of the tree.

The Nomination Form is available to download from the City's website



This Heritage Tree, a Japanese Maple, was saved from development and transplanted to the City of Woodinville City Hall on April 15, 2002.

Trees that are designated as Heritage Trees are recognized with a plaque and ceremony, and are placed on a map of Heritage Trees in the City. The designation is solely for recognition, and does not attach additional preservation or retention requirements to the tree or property.



HERITAGE TREE NOMINATION

a program sponsored by the
TREE BOARD
of the
CITY OF WOODINVILLE

The Tree Board has established the HERITAGE TREE PROGRAM to promote planting and care of healthy, appropriate urban trees in the City. The HERITAGE TREE PROGRAM includes citizens in a program to help the City identify trees of unique character that are uncommon because of genus, species, cultivar, form, size, historic significance or other desirable features. Identified trees will be placed on a simple map for public information.

Person nominating tree:

Telephone number:

Description and location of tree nominated:

Description of photograph: (i.e. date, direction of view, etc.)

Name of property owner of tree location:

Description of characteristics and history of the tree nominated that merit consideration for heritage status:

I am the owner of the property that is the location of the tree nominated for heritage status described above. I consent to the Tree Board's designation of the tree to heritage status and placement of the tree on a map for public information. I also agree to a placing of a City approved plaque near the tree indicating this designation.

Property owner: _____

Address: _____

Signed: _____

Date: _____

Phone: _____
