



**City of McMinnville**  
**Planning Department**  
 231 NE Fifth Street  
 McMinnville, OR 97128  
 (503) 434-7311

[www.mcminnvilleoregon.gov](http://www.mcminnvilleoregon.gov)

**Landscape Review Committee**  
**Community Development Center, 231 NE 5<sup>th</sup> Street**  
**October 24, 2018**  
**12:00 PM**

| Committee Members           | Agenda Items                           |
|-----------------------------|--|
| Rob Stephenson<br>Chair     | 1. <b>Call to Order</b>                |
| Sharon Gunter<br>Vice-Chair | 2. <b>Citizen Comments</b>             |
| Josh Kearns                 | 3. <b>Approval of Minutes</b>          |
| RoseMarie Caughran          | 4. <b>Action Items</b>                 |
| Tim McDaniel                | 5. <b>Discussion Items</b>             |
|                             | A. McMinnville street tree list update |
|                             | 6. <b>Old/New Business</b>             |
|                             | 7. <b>Committee Member Comments</b>    |
|                             | 8. <b>Staff Comments</b>               |
|                             | 9. <b>Adjournment</b>                  |

The meeting site is accessible to handicapped individuals. Assistance with communications (visual, hearing) must be requested 24 hours in advance by contacting the City Manager (503) 434-7405 – 1-800-735-1232 for voice, or TDY 1-800-735-2900.

\*Please note that these documents are also on the City’s website, [www.mcminnvilleoregon.gov](http://www.mcminnvilleoregon.gov). You may also request a copy from the Planning Department.



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## STAFF REPORT

**DATE:** October 24, 2018  
**TO:** Landscape Review Committee Members  
**FROM:** Jamie Fleckenstein, PLA, Associate Planner  
**SUBJECT:** Agenda Item 5A: McMinnville street tree list update

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### **Report in Brief:**

The City of McMinnville requires species of street trees planted within public rights-of-way to be chosen from an approved street tree list. The purpose of this discussion is to determine if an update and revision to the approved street tree list is needed.

### **Background:**

The current McMinnville Street Tree List was adopted by resolution on May 10, 2016. The list provides general characteristics desirable in street trees in McMinnville and lists several recommended street trees generally acceptable for use as street trees. The list is not a comprehensive collection of suitable street trees and lacks specific information about the tree species recommended for use as a street tree. Inclusion of more tree species their specific characteristics may help facilitate the choice of the “Right tree for the right place” and promote diversity in the urban forest. Recent tree removal applications have also called into question the long-term suitability of some tree species recommended for use as a street tree.

### **Discussion:**

Staff will facilitate a discussion with the Landscape Review Committee at the October 24, 2018 meeting regarding a potential update to the McMinnville Street Tree List.

In the last few months, there have been several Street Tree Removal applications involving two species of trees – *Betula jacquemontii* (Jacquemontii Birch) and *Pyrus calleryana* var. (Callery Pear varieties). Both trees are found on the approved street tree list, however the nature of the removal requests for the two species calls into question the suitability of each as approved street trees for McMinnville.

- Jacquemontii Birch have been succumbing to Bronze Birch Borer infestation in McMinnville. Bronze Birch Borer infestation often leads to irreversible damage and death of the tree. Non-native birch species are the most susceptible to infestation, including Jacquemontii Birch. Other birch species are identified as conditionally permitted street trees due to susceptibility to aphid damage, but there is no mention of Birch Borer. It may be worth considering removing *Betula jacquemontii* (Jacquemontii Birch) from the approved street tree list and including it in the

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#### *Attachments:*

*Attachment 1: McMinnville Street Tree List*

*Attachment 2: Portland Street Tree List*

*Attachment 3: Gresham Street Tree List*

*Attachment 4: Seattle Street Tree List*

Conditionally Permitted Street Trees list with all other birches because it is highly susceptible to insect damage.

- *Pyrus calleryana* (Ornamental Pear) and several named varieties (Capital, Aristocrat, Redspire, Trinity) are found on the approved Medium Trees list for street trees. This species is known to have structural issues (narrow crotch angles) that lead to limb failure, and as a result, are generally short-lived trees. Recently, two subdivisions (Cottonwood and Cottonwood 1<sup>st</sup> Addition) that have *Pyrus calleryana* as street trees have been experiencing widespread limb failure. The large limbs that are falling out of the trees pose hazards to public right-of-ways and private property. These street trees were planted 15 to 20 years ago, which seems to be the life span of these trees. Because the Ornamental Pear is a short-lived tree that experiences limb failure at a high rate, especially with age, it may be worth considering removing this species and its named varieties from the approved street tree list.

A stated purpose of the street tree program is "...to promote a diverse, healthy, and sustainable community forest; and to educate the public regarding community forest issues." The current format and content of McMinnville's approved street tree list is a missed opportunity to promote diversity in the urban forest and to provide an educational component to the public.

The approved street tree list is by no means a comprehensive list of street trees, and the lack of information about characteristics of each individual species places the onus for learning if the street tree is appropriate for a particular site on the public. If the street tree list is to be updated with the removal of the species noted above, then it might be an appropriate time to add more species and varieties to the list along with specific information about their individual characteristics. Inclusion of information about why the "Right Tree for the Right Place" and how to select the "Right Tree for the Right Place" can help add diversity to McMinnville's community forest and decrease problems that can occur when choosing a wrong tree (i.e. damage to public improvements, unhealthy trees, etc...).

Examples of more comprehensive street tree lists that provide detailed information about each street tree and/or information about how to select street trees are:

- City of Portland (Attachment 2)
- City of Gresham (Attachment 3)
- City of Seattle (Attachment 4)

Such street tree lists could be used as models for an updated McMinnville Street Tree list.

**Fiscal Impact:**

None.

**Recommendation/Suggested Motion:**

No motion required. The Landscape Review Committee may provide guidance to staff in planning for an update to the McMinnville Street Tree List.

JF

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*Attachment 1: McMinnville Street Tree List*

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*Attachment 4: Seattle Street Tree List*

# Exhibit “A”

## **McMinnville Street Tree List**

### **Recommended, Conditionally Permitted, and Prohibited Street Trees**

Section 17.58.090 (Street Tree Standards) of the McMinnville Zoning Ordinance notes that the species of street trees to be planted in McMinnville shall be chosen from the “approved street tree list” unless approval of another species is given by the McMinnville Landscape Review Committee. The purpose of this document is to provide such a list for use by those proposing to plant trees within the public rights-of-way of McMinnville.

Within the McMinnville Zoning Ordinance, street trees are defined as *“a living, standing woody plant typically having a single trunk at least 1.5 inches in diameter at a point six inches above mean ground level at the base of the trunk that is located within the street right-of-way.”* Such trees are regulated by the standards put forth in Chapters 17.57 (Landscaping) and 17.58 (Trees) of the McMinnville Zoning Ordinance; further guidelines regarding their use and placement are provided in this document.

In general, McMinnville’s street trees should have the following characteristics:

- Single trunked to allow for adequate vision clearance;
- Growth characteristics that allow for the lower branching to be maintained at a minimum of eight feet above grade to allow for adequate vision and pedestrian clearance;
- Non-columnar to provide the maximum amount of tree canopy (some exceptions);
- Relatively deeper rooting system to protect sidewalks, lawns, and utilities;
- Not brittle or weak-wooded;
- Deciduous;
- Do not drop excessive amounts of litter (fruits, nuts), have thorns, or excessive sap; and
- Not listed as a prohibited tree.

The street trees recommended below were selected for their general adherence to these basic principles. It is important to note, however, that each site is unique and

while in most cases these trees will be appropriate, at other times they may not be due to soil conditions, drainage, specific cultivar, streetscape design considerations, vertical and horizontal space availability, or the presence of nearby utilities and structures. In those cases, alternate species may be permitted or required by the Landscape Review Committee.

This list is subject to modification as additional observations are made regarding growth characteristics of tree varieties within street tree conditions, as well as with the introduction of new and appropriate cultivars.

When considering tree spacing, please note that the spacing noted below are maximums. The purpose of the street tree ordinance is, in part, to “establish and maintain the maximum amount of tree cover on public and private lands in the City.” This objective is taken into consideration when reviewing specific tree variety spacing, especially concerning more columnar varieties where closer spacing may be required.

### **RECOMMENDED STREET TREES –**

The following tree species are generally acceptable for use as street trees:

#### **Small Trees**

Typically:

- Small or narrow stature trees (less than 25 feet in height).
- Minimum planting strip width: four feet.
- Spaced to provide a continuous canopy at maturity.
- Appropriate for planting underneath overhead utility lines.

#### **Cherries and Plums**

Flowering Cherry (varieties such as: Prunus sargentii  
Okame, Akebono, Accolade, Rosea,  
and Mt Fuji)

Flowering Plum (varieties such as: Prunus x blireiana  
Thundercloud, Allred, Mt. St. Helens)

#### **Maples**

Tartarian Maple Acer tataricum  
Trident Maple Acer buergeranum  
Japanese Maple (varieties over 20' tall) Acer palmatum

#### **Other**

Flowering Dogwood Cornus florida/kousa  
Forest Pansy Redbud Cercis canadensis 'Forest Pansy'  
Japanese Tree Lilac Syringa reticulata  
Tall Stewartia Stewartia monadelphica

## Medium Trees

Typically:

- Mature height of 25-40 feet
- Minimum planting strip width: five feet.
- Spaced to provide a continuous canopy at maturity.

### Cherries and Pears

|   |                         |
|---|-------------------------|
| Flowering Pear (varieties such as Capital, Aristocrat, Redspire, Trinity) | <i>Pyrus calleryana</i> |
| Flowering Cherry (varieties such as Kwanzan, Royal Burgundy, Yoshino)     | <i>Prunus serrulata</i> |
| Sargent Cherry  | <i>Prunus sargentii</i> |

### Maples

|   |                         |
|---|-------------------------|
| Norway Maple (varieties such as Cleveland, Crimson King, Deborah)     | <i>Acer platanoides</i> |
| David's Maple   | <i>Acer davidii</i>     |
| Hedge Maple   | <i>Acer campestre</i>   |
| Red Maple (varieties such as Red Sunset, October Glory, Autumn Spire) | <i>Acer rubrum</i>      |

### Other

|                                 |  |
|---------------------------------|--|
| American Hophornbeam            | <i>Ostrya virginiana</i>               |
| Eastern Redbud                  | <i>Cercis canadensis</i>               |
| European Hornbeam               | <i>Carpinus betulus</i>                |
| Goldenrain Tree                 | <i>Koelreuteria paniculata</i>         |
| Honeylocust (thornless variety) | <i>Gleditsia triacanthos 'inermis'</i> |
| Jacquemontii Birch              | <i>Betula jacquemontii</i>             |
| Japanese Snowbell               | <i>Styrax japonicus</i>                |
| Pacific Dogwood                 | <i>Cornus nuttallii</i>                |
| Tricolor Beech                  | <i>Fagus sylvatica 'Tricolor'</i>      |
| Yellow Wood                     | <i>Cladrastis lutea</i>                |

## Large Trees

Typically:

- Large trees with mature height over 40 feet.
- Minimum planting strip width: six feet.
- Spaced to provide a continuous canopy at maturity.

### Other

|                                      |  |
|--------------------------------------|--|
| Accolade Elm                         | <i>Ulmus japonica 'Morton'</i>                 |
| Bur Oak                              | <i>Quercus macrocarpa</i>                      |
| Chinese Elm, Alee and Athena Classic | <i>Ulmus parvifolia 'Emer I' and 'Emer II'</i> |
| Chinese Pistache                     | <i>Pistachia chinensis</i>                     |

Ginkgo (male variety)  
Hackberry  
Japanese Pagoda Tree  
Katsura Tree  
Sawleaf Zelkova  
Tulip tree

Ginkgo biloba  
Celtis occidentalis  
Sophora japonica  
Cercidiphyllum japonica  
Zelkova serrata  
Liriodendron tulipifera

### **CONDITIONALLY PERMITTED STREET TREES –**

The following trees are not generally recommended for use as street trees in that they may exhibit one or more of the following characteristics:

1. Invasive root systems;
2. Weak wood;
3. Branch patterns that cause visibility issues; or
4. Susceptible to insect damage.

Use of these trees may be permitted under special circumstances and only after approval is granted by the Landscape Review Committee and only if the problems are satisfactorily met and accepted by the owner, and so noted on the approved plan.

|                      |   |
|----------------------|---|
| Big leaf maple       | Acer macrophyllum – Very large                                    |
| Birches              | Betula spp – Low branching, invasive roots, susceptible to aphids |
| Black Tupelo         | Nyssa sylvatica – Female varieties have small fruit               |
| Box Elder            | Acer Negundo – Subject to wind damage                             |
| Conifers             | Needles, low branching  |
| Elm, DED resistant   | Ulmus – Susceptible to pests and storm damage                     |
| European Beech       | Fagus sylvatica – Some nuts, surface roots                        |
| Kentucky Coffee Tree | Gymnocladus dioica – Litter                                       |
| Lindens              | Tilia, spp- Susceptible to aphids                                 |
| London Plane Tree    | Platanus acerifolia – Large seed pods, aggressive roots           |
| Magnolia             | Magnolia virginiana/soulangiana – Litter                          |
| Mountain ash         | Sorbus aucuparia – Litter   |
| Pin Oak              | Quercus palustris – Low branching                                 |
| Red Alder            | Alnus rubra – Short lived, brittle, pest prone                    |
| Scarlet Oak          | Quercus coccinea – Nuts   |
| Shumard Oak          | Quercus shumardii – Nuts  |
| Silk Tree            | Albizzia julibrissi – Litter, aggressive roots                    |
| Silver Maple         | Acer saccharinum – Subject to wind damage, large surface roots    |
| Sycamore             | Platanus acerifolia – Aggressive roots, prone to disease          |

### **PROHIBITED STREET TREES –**

The following trees exhibit one or more of the following characteristics and are therefore not permitted as street trees:

1. Low or weeping branches which cause visibility problems;
2. Invasive root system which may damage underground utilities;
3. Subject to disease or insects;
4. Poisonous; or
5. Fruit drop which causes messy sidewalks and pavement.

|                              |   |
|------------------------------|---|
| Ash                          | Emerald ash borer disease                   |
| Catalpas                     | Catalpa spp                                 |
| Cottonwoods, Poplars, Aspens | Populus spp                                 |
| Fruit trees                  | All commercial and large fruiting varieties |
| Ginkgo (female variety)      | Ginkgo biloba                               |
| Goldenchain Tree             | Laburnum watererii                          |
| Hawthorns                    | Crataegus spp                               |
| Locusts                      | Robinia spp                                 |
| Nut trees                    | All commercial and fruiting varieties       |
| Pin Oak                      | Quercus palustris                           |
| Sweetgums                    | Liquidambar spp                             |
| Tree-of-Heaven               | Ailanthus                                   |
| Willows                      | Salix spp                                   |

# City of Portland Approved Street Tree Planting List

- 4 to 5.5 Foot Planting Sites
- With High Voltage Power Lines



American Hophornbeam  
*Ostrya virginiana*

## City Nature Urban Forestry

Portland Parks & Recreation

10910 N Denver Avenue, Portland, OR 97217

ph: 503-823-4489 fax: 503-823-4493

email: trees@portlandoregon.gov

**Street tree planting permits**

**Pruning and removal permits**

**General street tree information**

**Tree cutting on private property**

**Park tree care**

**Emergency tree response**

For more information about the approved trees and the proper way to plant and care for trees, visit the City Nature Urban Forestry web site at: [www.portlandoregon.gov/parks/trees](http://www.portlandoregon.gov/parks/trees)

### Additional Resources

**Call Before You Dig** 503-246-6699  
Location of underground utilities

**Portland General Electric** 503-736-5460  
**PacifiCorp** 888-221-7070  
Trees and power lines

**Friends of Trees** 503-282-8846  
Community and natural area tree planting

**Bureau of Development Services** 503-823-7526  
Trees on private property that are being removed, or on properties that are being developed

**Bureau of Maintenance** 503-823-1700  
Sidewalk Repair 503-823-1711  
Blocked traffic/street signs 503-823-7233

Printing courtesy of  
Portland General Electric



**PORTLAND PARKS & RECREATION**  
Healthy Parks, Healthy Portland



[www.PortlandParks.org](http://www.PortlandParks.org)

Commissioner Amanda Fritz  
Director Mike Abbate

## Why Plant Trees?

Because they:

- Filter our water
- Clean our air
- Cool the city
- Provide wildlife habitat
- Enhance livability
- Increase property value



## Help Us Make Portland Greener!

Maximize the benefits of trees by:

- Planting more trees to increase our canopy
- Increasing the diversity of trees planted
- Planting the right tree in the right place
- Planting the largest tree for the space

This approved street tree list identifies the most size-appropriate trees for your planting strip AND will improve the health of the urban forest by increasing overall diversity.

## Steps for Receiving Your Street Tree Planting Permit



**Request a Planting Inspection**  
Call City Nature  
Urban Forestry 503-823-4489



**Inspection**  
A Tree Inspector will mark the curb to indicate planting locations



**Choose and Reserve a Tree**  
Select a tree species from the following list and reserve it at your local nursery



**Request a Permit**  
Call your Tree Inspector with your tree selection



**Permit is Issued**  
After receiving your permit in the mail, you are ready to plant!



**PORTLAND PARKS & RECREATION**

Healthy Parks, Healthy Portland

## Approved Street Tree List For 4 to 5.5 Foot Sites With Overhead, High Voltage Power Lines\*

| Common Name<br>(Scientific Name)  | Form      | Size (height<br>by width) | Features  | Description  |
|---|-----------|---------------------------|---|--|
| Ash, Golden Desert®<br>( <i>Faxinus excelsior</i> 'Aureafolia')                                     | Round     | 25' x 20'                 |    | Outstanding foliage is bright yellow in spring, green-yellow in summer and bright gold in fall.            |
| Cascara ( <i>Rhamnus purshiana</i> )  | Round     | 30' x 25'                 |     | A small native tree with black berries that attract birds.   |
| Catalpa, Chinese ( <i>Catalpa ovata</i> )   | Round     | 30' x 30'                 |    | Attractive, orchid-like flowers mature into long slender seedpods.   |
| Chitalpa, Pink Dawn<br>(X <i>Chitalpa tashkentensis</i> 'Pink Dawn')                                | Round     | 25' x 25'                 |    | Abundant clusters of showy pale pink flowers. Drought resistant.   |
| Chokecherry, Canada Red<br>( <i>Prunus virginiana</i> 'Canada Red')                                 | Round     | 25' x 20'                 |          | Purple leaves turn orange or red in the fall. Fruit attracts wildlife.                                     |
| Crabapple, Purple Prince ( <i>Malus</i> 'Purple Prince')  | Round     | 20' x 20'                 |     | Purple to bronze foliage, pink flowers, good disease resistance, fast growing.                             |
| Crabapple, Royal Raindrops® ( <i>Malus</i> 'JFS-KW5')   | Upright   | 20' x 15'                 |          | Bright fall color complements deep purple cutleaf foliage. Magenta pink blossoms.                          |
| Crabapple, Tschonoskii ( <i>Malus tschonoskii</i> )   | Oval      | 30' x 15'                 |          | Striking silvery green foliage. White flowers. Outstanding fall color.                                     |
| Crape Myrtle ( <i>Lagerstroemia</i> cultivars)  | Various   | 20' x 20'                 |          | Showy, long-lasting summer flowers. Interesting exfoliating bark. Vase-shaped cultivars are best to plant. |
| Dogwood, Eddie's White Wonder<br>( <i>Cornus nuttallii</i> x <i>florida</i> 'Eddie's White Wonder') | Pyramidal | 35' x 20'                 |     | Large white showy blooms. Red fruit attracts birds in winter.  |
| Dogwood, Starlight®<br>( <i>Cornus kousa</i> x <i>nuttallii</i> 'KN4-43' PP16293)                   | Oval      | 30' x 20'                 |          | Strong upright growth habit. Red fall foliage. Profuse blooms.   |
| Dogwood, Venus® ( <i>Cornus</i> x 'Venus' 'KN30-8'<br>PP16309)                                      | Round     | 25' x 20'                 |          | Exceptionally large, profuse white blooms. High disease resistance.  |
| Franklinia ( <i>Franklinia alatamaha</i> )  | Round     | 20' x 15'                 |     | Large, fragrant white spring flowers. Long, glossy green leaves turn shades of orange, red, and purple.    |
| Fringe Tree, Chinese ( <i>Chionanthus retusus</i> )   | Spreading | 20' x 25'                 |          | Magnificent clusters of fragrant white fringe-like flowers. Low pruning needs.                             |
| Ginkgo, Saratoga ( <i>Ginkgo biloba</i> 'Saratoga')   | Oval      | 35' x 30'                 |    | Well adapted to the urban environment. Yellow fall color.  |
| Goldenrain Tree, September<br>( <i>Koelreuteria paniculata</i> 'September')                         | Round     | 30' x 25'                 |     | Bright yellow flowers give way to interesting brown, papery seed capsules resembling Chinese lanterns.     |
| Hawthorn, Lavalley ( <i>Crataegus</i> x <i>lavalleyi</i> )  | Vase      | 30' x 20'                 |    | Orange to red fruit and large clusters of white flowers. Good fall color.                                  |
| Hophornbeam, American ( <i>Ostrya virginiana</i> )  | Oval      | 35' x 35'                 |    | Hop-like fruit. Pest resistant. Very adaptable and hardy.  |
| Hornbeam, American ( <i>Carpinus caroliniana</i> )  | Round     | 30' x 20'                 |     | Fall color ranging from yellow to orange to red. Bark has muscle-like fluting. Attractive form.            |
| Hornbeam, Japanese ( <i>Carpinus japonica</i> )   | Round     | 30' x 20'                 |    | Interesting ornamental fruiting catkins and attractive form.   |
| Ironwood, Persian ( <i>Parrotia persica</i> )   | Pyramidal | 35' x 20'                 |    | Exfoliating bark exhibits a mosaic of green, white, and brown.   |
| Laurel, Bay ( <i>Laurus nobilis</i> )   | Pyramidal | 30' x 20'                 |    | Fragrant evergreen leaves can be used in cooking. Fruit attracts birds.                                    |
| Linden, Summer Sprite®<br>( <i>Tilia cordata</i> 'Halka' PP 10589)                                  | Pyramidal | 20' x 15'                 |    | Dense, compact form and dwarf size is perfect for small planting strips.                                   |
| Maackia, Amur ( <i>Maackia amurensis</i> )  | Vase      | 35' x 25'                 |     | Peeling, orange/brown shiny bark. Free of serious pests and disease.                                       |
| Maackia, Chinese ( <i>Maackia chinensis</i> )   | Round     | 30' x 25'                 |    | Fragrant pea-like flowers and interesting compound leaves.   |

| Common Name<br>(Scientific Name)  | Form      | Size (height<br>by width) | Features  | Description   |
|---|-----------|---------------------------|---|---|
| Magnolia, Butterflies ( <i>Magnolia</i> 'Butterflies')                                      | Pyramidal | 20' x 15'                 |    | Tulip-like yellow flowers with a light lemon oil aroma. Hardy to both heat and cold.                          |
| Magnolia, Edith Bogue<br>( <i>Magnolia grandiflora</i> 'Edith Bogue')                       | Pyramidal | 30' x 15'                 |     | Hardy evergreen magnolia cultivar. Resists storm damage. Beautiful white flowers.                             |
| Magnolia, Elizabeth ( <i>Magnolia acuminata</i> 'Elizabeth')                                | Pyramidal | 30' x 15'                 |    | Luminous, pale yellow cup-shaped flowers. Low maintenance tree.   |
| Magnolia, Galaxy ( <i>Magnolia</i> 'Galaxy')  | Pyramidal | 35' x 25'                 |    | Brilliant large red to purple flowers. Strong-limbed tree.  |
| Magnolia, Moonglow® Sweet Bay<br>( <i>Magnolia virginiana</i> 'Jim Wilson' PP12065)         | Pyramidal | 30' x 35'                 |     | Semi-evergreen with bright green and silver foliage. Flowers for about a month.                               |
| Magnolia ( <i>Magnolia</i> spp.)  | Various   | 30' x 30'                 |    | Any magnolia cultivars reaching between 20'-35' in height and 15'-35' in width at maturity.                   |
| Osage Orange, Fruitless ( <i>Maclura pomifera</i> 'White Shield')                           | Round     | 35' x 30'                 |    | A thornless and fruitless Osage orange variety. Hardy with few pest or disease problems.                      |
| Pistache, Chinese ( <i>Pistacia chinensis</i> )   | Round     | 30' x 30'                 |    | Very adaptable to urban conditions. Incredible orange-red fall color.   |
| Raisin Tree, Japanese ( <i>Hovenia dulcis</i> )   | Oval      | 30' x 20'                 |     | Sweet, fragrant flowers. Edible bright red fruits taste like sweet raisins.                                   |
| Redbud, Forest Pansy<br>( <i>Cercis canadensis</i> 'Forest Pansy')                          | Spreading | 20' x 25'                 |     | Purple, heart shaped leaves. Profuse purple blossoms in early spring.   |
| Serviceberry, Autumn Brilliance®<br>( <i>Amelanchier x grandiflora</i> 'Autumn Brilliance') | Round     | 25' x 20'                 |          | Outstanding red fall leaf color and showy, white spring flowers. Low maintenance tree.                        |
| Serviceberry, Spring Flurry®<br>( <i>Amelanchier laevis</i> 'JFS-Arb' PP 15304)             | Oval      | 30' x 20'                 |          | An exceptional tree form supports pure white blossoms in the spring and orange fall color.                    |
| Snowbell, Bigleaf ( <i>Styrax obassia</i> )   | Round     | 35' x 25'                 |     | Also called fragrant snowbell. Perfect white flowers with showy yellow stamens. Interesting bark at maturity. |
| Snowbell, Japanese ( <i>Styrax japonicus</i> )  | Round     | 25' x 25'                 |    | Perfect white bell-shaped flowers bloom in the late spring.   |
| Snowbell, Pink Chimes Japanese<br>( <i>Styrax japonicus</i> 'Pink Chimes')                  | Round     | 20' x 15'                 |     | Fragrant pink flowers. Mature bark fissures, revealing attractive orange inner layer.                         |
| Snowbell, Snowcone® Japanese<br>( <i>Styrax japonicus</i> 'JFS-D')                          | Pyramidal | 30' x 20'                 |   | Dense, symmetrical structure creates a uniform crown. Resistant to twig dieback.                              |
| Tupelo, Black ( <i>Nyssa sylvatica</i> )  | Pyramidal | 35' x 25'                 |    | Beautiful red fall color. Blue to black berries. Fissured grey bark.  |
| Zelkova, City Sprite®<br>( <i>Zelkova serrata</i> 'JFS-KW1' P.A.F.)                         | Oval      | 25' x 20'                 |    | A low maintenance city tree. Fine textured foliage is bright green in the summer.                             |

| Features  |   |
|---|---|
|  Fall Color               |  Evergreen       |
|  Fruits/Nuts for Wildlife |  Native          |
|  Showy Flowers            |  Texturized Bark |



\* For approval of other species or varieties, contact your area Tree Inspector at Urban Forestry, 503-823-4489.



Chinese Fringe Tree



Elizabeth Magnolia



Autumn Brilliance® Serviceberry



Bay Laurel



Forest Pansy Redbud

## Tree Selection Guidelines

**Building setback:** The crown of a tree at maturity should not be in serious conflict with the neighboring structures. Be sure to choose the tree with most appropriate form for the site.

**Clearance over streets and sidewalks:** As trees grow, they will need pruning to provide clearance of at least 7.5 feet over sidewalks, 11 feet over residential streets, and 14 feet over main arterial streets.

**Size of tree when planted:** Standard tree size is 2" caliper or larger for residential and 3.5" caliper or larger for commercial and industrial sites, or sites prone to vandalism.

### When selecting a healthy tree, look for these characteristics:

- Strong, well-developed leader with good trunk taper.
- Bright, healthy bark and buds.
- Trunk and limbs free of insects or injury.
- Branches well distributed around trunk and of considerably smaller caliper than trunk.
- Ideal spacing between branches of at least 8-12" for most species.
- Wide-angle branch/trunk crotches for strength.
- Low branches are good for aiding taper development and promoting trunk caliper growth. Low branches should be pruned in stages to meet clearance requirements.
- If bareroot: abundant root growth, with numerous fibrous roots
- If balled and burlapped: firm soil with trunk securely tied. Do not accept a tree with a broken ball.
- If containerized: inspect root mass for circling roots and break apart before planting.

*From Tree City USA Bulletin #1*

## Tree Location Guidelines



\* To eliminate power line interference, trees will be pruned if they grow too tall.

# City of Portland Approved Street Tree Planting List

- 3 to 3.5 Foot Planting Sites
- With or Without High Voltage Power Lines



Japanese Tree Lilac  
*Syringa reticulata*

## Tree Selection Guidelines

**Building setback:** The crown of a tree at maturity should not be in serious conflict with the neighboring structures. Be sure to choose the tree with most appropriate form for the site.

**Clearance over streets and sidewalks:** As trees grow, they will need pruning to provide clearance of at least 7.5 feet over sidewalks, 11 feet over residential streets, and 14 feet over main arterial streets.

**Size of tree when planted:** Required tree size is 1.5" caliper for one and two family residential, 2" caliper for multi-family residential, and 2.5" caliper for all other property types.

### When selecting a healthy tree, look for these characteristics:

- Strong, well-developed leader with good trunk taper.
- Bright, healthy bark and buds.
- Trunk and limbs free of insects or injury.
- Branches well distributed around trunk and of considerably smaller caliper than trunk.
- Ideal spacing between branches of at least 8-12" for most species.
- Wide-angle branch/trunk crotches for strength.
- Low branches are good for aiding taper development and promoting trunk caliper growth. Low branches should be pruned in stages to meet clearance requirements.
- If bareroot: abundant root growth, with numerous fibrous roots.
- If balled and burlapped: firm soil with trunk securely tied. Do not accept a tree with a broken ball.
- If containerized: inspect root mass for circling roots and break apart before planting.

*From Tree City USA Bulletin #1*

## Tree Location Guidelines

Mature height must be at least 5' under overhead highvoltage power lines



5' from water meter or driveway    At least 2' from property lines    25' from street lamps    10' from fire hydrants    20' from stop signs and 25' from intersections

\* To eliminate power line interference, trees will be pruned if they grow too tall.

## Urban Forestry

Portland Parks & Recreation  
1900 SW 4th Ave., Portland, OR 97201  
ph: 503-823-TREE (8733) | fax: 503-823-4493  
trees@portlandoregon.gov  
www.portlandoregon.gov/trees

- **Planting, pruning, and removal permits**
- **Tree preservation during development**
- **Emergency tree response**
- **Education and volunteer opportunities**

## Additional Resources

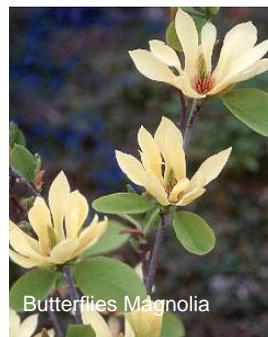
|  |                     |
|--|---------------------|
| <b>Call Before You Dig</b>               | <b>811</b>          |
| Location of underground utilities        |                     |
| <b>Portland General Electric</b>         | <b>503-736-5460</b> |
| <b>PacifiCorp</b>                        | <b>888-221-7070</b> |
| Trees and power lines                    |                     |
| <b>Friends of Trees</b>                  | <b>503-282-8846</b> |
| Community and natural area tree planting |                     |
| <b>Bureau of Development Services</b>    | <b>503-823-7526</b> |
| <b>Portland Bureau of Transportation</b> | <b>503-823-1700</b> |
| Sidewalk Repair                          | 503-823-1711        |
| Blocked traffic and street signs         | 503-823-7233        |

The City of Portland is committed to providing meaningful access. For accommodations, modifications, translation, interpretation or other services, please contact 503-823-4437

Translation/Interpretation 503-823-4437 | Traducción o interpretación | Chuyển Ngữ hoặc Phiên Dịch | 翻译或传译 | Письмовий або усний переклад | Письменный или устный перевод | Turjumida ama Fasiraadda | ترجمة تحريرية أو شفوية | 翻訳または通訳 | ຫຼື ການອະທິບາຍ | Traducere sau Interpretare

# Approved Street Tree List For 3 to 3.5 Foot Planting Sites With or Without Overhead, High Voltage Power Lines\*

| Common Name<br>(Scientific Name)  | Form      | Size (height<br>by width) | Features  | Description   |
|---|-----------|---------------------------|---|---|
| Cascara ( <i>Rhamnus purshiana</i> )  | Round     | 30' x 25'                 |     | A small native tree with black berries that attract birds.  |
| Chokecherry, Canada Red<br>( <i>Prunus virginiana</i> 'Canada Red')                         | Round     | 25' x 20'                 |      | Purple leaves turn orange or red in the fall. Fruit attracts wildlife.  |
| Crabapple, Purple Prince ( <i>Malus</i> 'Purple Prince')                                    | Round     | 20' x 20'                 |     | Purple to bronze foliage, pink flowers, good disease resistance, fast growing.                                |
| Crabapple, Royal Raindrops® ( <i>Malus</i> 'JFS-KW5')                                       | Upright   | 20' x 15'                 |      | Bright fall color complements deep purple cutleaf foliage. Magenta pink blossoms.                             |
| Crabapple, Tschonoskii ( <i>Malus tschonoskii</i> )   | Oval      | 30' x 15'                 |      | Striking silvery green foliage. White flowers. Outstanding fall color.  |
| Crape Myrtle ( <i>Lagerstroemia</i> cultivars)  | Various   | 20' x 20'                 |    | Showy, long-lasting summer flowers. Interesting exfoliating bark. Vase shaped cultivars are best to plant.    |
| Franklinia ( <i>Franklinia alatamaha</i> )  | Round     | 20' x 15'                 |     | Large, fragrant white spring flowers. Long, glossy green leaves turn shades of orange, red, and purple.       |
| Laurel, Bay ( <i>Laurus nobilis</i> )   | Pyramidal | 30' x 20'                 |    | Fragrant evergreen leaves can be used in cooking. Fruit attracts birds.                                       |
| Linden, Summer Sprite®<br>( <i>Tilia cordata</i> 'Halka' PP 10589)                          | Pyramidal | 20' x 15'                 |    | Dense, compact form and dwarf size are perfect for small planting strips.                                     |
| Magnolia, Butterflies ( <i>Magnolia</i> 'Butterflies')                                      | Pyramidal | 20' x 15'                 |    | Tulip-like yellow flowers with a light lemon oil aroma. Hardy to both heat and cold.                          |
| Serviceberry, Autumn Brilliance®<br>( <i>Amelanchier x grandiflora</i> 'Autumn Brilliance') | Round     | 25' x 20'                 |      | Outstanding red fall leaf color and showy, white spring flowers. Low maintenance tree.                        |
| Serviceberry, Spring Flurry®<br>( <i>Amelanchier laevis</i> 'JFS-Arb' PP 15304)             | Oval      | 30' x 20'                 |      | An exceptional tree form supports pure white blossoms in the spring and orange fall foliage.                  |
| Snowbell, Bigleaf ( <i>Styrax obassia</i> )   | Round     | 35' x 25'                 |     | Also called fragrant snowbell. Perfect white flowers with showy yellow stamens. Interesting bark at maturity. |
| Snowbell, Japanese ( <i>Styrax japonicus</i> )  | Round     | 25' x 25'                 |     | Perfect white, bell-shaped flowers bloom in the late spring.  |
| Snowbell, Pink Chimes Japanese<br>( <i>Styrax japonicus</i> 'Pink Chimes')                  | Round     | 20' x 15'                 |     | Fragrant pink flowers. Mature bark fissures, revealing attractive orange inner layer.                         |
| Snowbell, Snowcone® Japanese<br>( <i>Styrax japonicus</i> 'JFS-D')                          | Pyramidal | 30' x 20'                 |    | Dense, symmetrical structure creates a uniform crown. Resistant to twig die back.                             |
| Tree Lilac, Japanese ( <i>Syringa reticulata</i> )  | Oval      | 25' x 20'                 |     | Low maintenance, disease-resistant tree. Showy flower clusters attract butterflies and humming birds.         |
| Zelkova, City Sprite®<br>( <i>Zelkova serrata</i> 'JFS-KW1' P.A.F.)                         | Oval      | 25' x 20'                 |    | A low-maintenance city tree. Fine textured foliage is bright green in the summer.                             |



City Sprite® Zelkova

Butterflies Magnolia

Bay Laurel

| Features   |   |   |
|--|---|---|
|  Fall Color               |  Evergreen     |  Native          |
|  Fruits/Nuts for Wildlife |  Showy Flowers |  Texturized Bark |

\* For approval of other species or varieties, contact your area Tree Inspector at Urban Forestry, 503-823-TREE (8733).

Photographs courtesy of OSU's Patrick Breen. <http://oregonstate.edu/dept/ldplants>

## Why Plant Trees?

Because they:

- Filter our water
- Clean our air
- Cool the city
- Provide wildlife habitat
- Enhance livability
- Increase property value



## Help Us Make Portland Greener!

Maximize the benefits of trees by:

- Planting more trees to increase our canopy
- Increasing the diversity of trees planted
- Planting the right tree in the right place
- Planting the largest tree for the space

This approved street tree list identifies the most size-appropriate trees for your planting site AND will improve the health of the urban forest by increasing overall diversity.

## Steps for Receiving Your Street Tree Planting Permit

**1 Apply for a Free Planting Permit**  
[www.portlandoregon.gov/trees](http://www.portlandoregon.gov/trees)  
 503-823-TREE, [trees@portlandoregon.gov](mailto:trees@portlandoregon.gov)

**2 Inspection**  
 A Tree Inspector will mark the curb to indicate planting locations

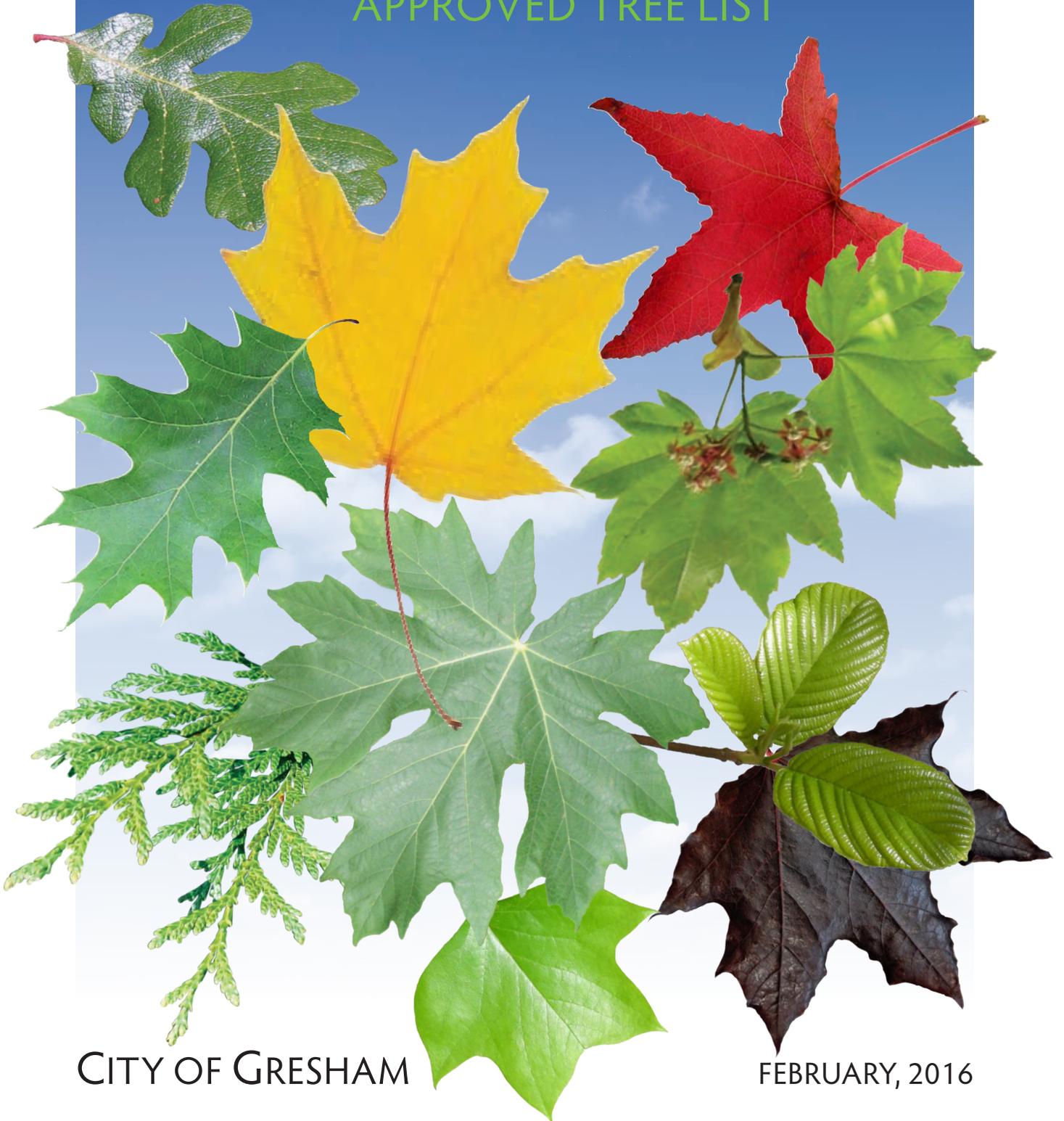
**3 Permit is Issued**  
 The permit includes a list of approved trees appropriate for the site

**4 Select and Purchase a Tree**  
 Contact Urban Forestry for approval of species or varieties not on the approved list

**5 Plant Your New Tree**  
 Congratulations! Remember to water 15 gallons a week in summer for two years

# RIGHT TREE IN THE RIGHT PLACE

## APPROVED TREE LIST



CITY OF GRESHAM

FEBRUARY, 2016

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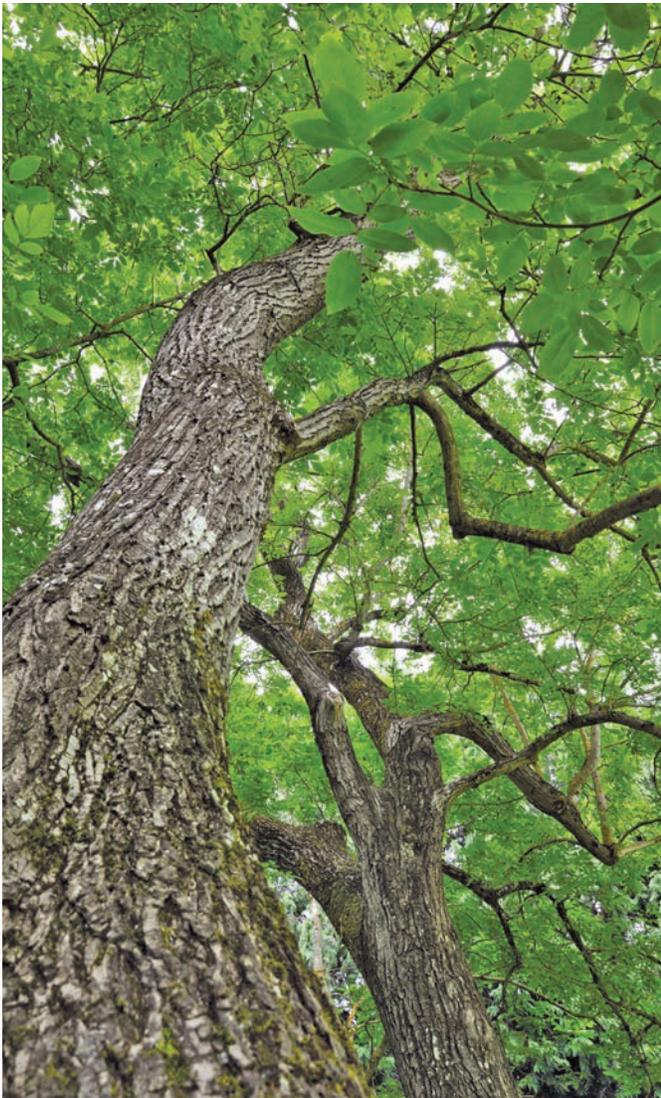
*Looking south to  
Gresham Butte  
from City Hall*



## RIGHT TREE IN THE RIGHT PLACE

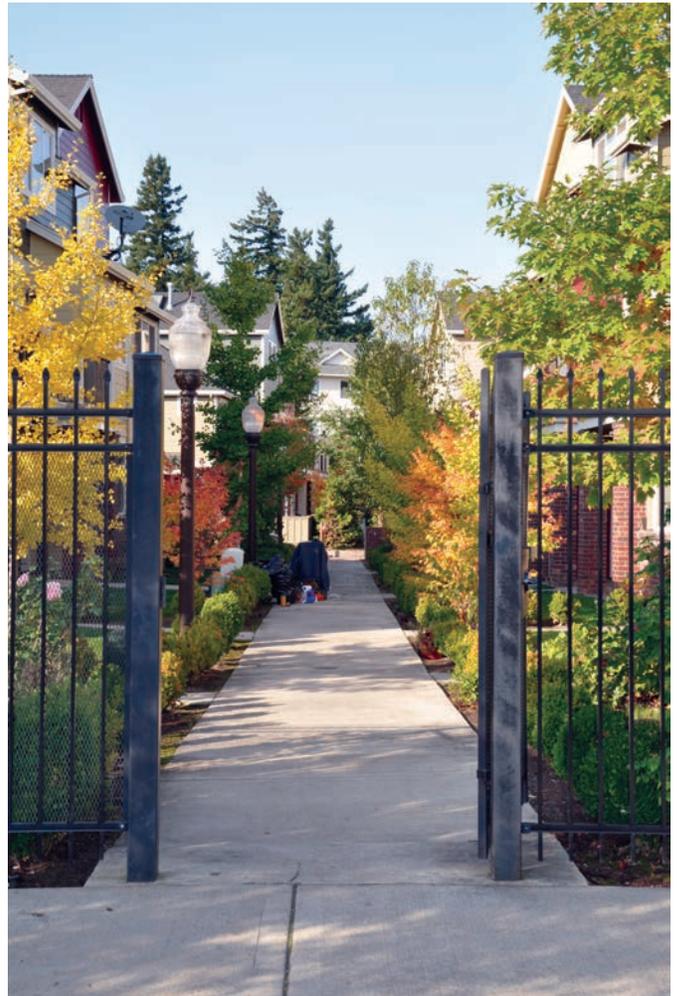
*The decision to plant a tree on your property or in a planting strip is a long-term investment – and it should be one that you enjoy for years to come. It will also be an asset to our community and the environment. For every dollar spent on tree planting and maintenance, the community receives a 250 percent return on investment in terms of total services provided by those trees at maturity.*

*Before you make that investment, you should consider which traits you want in a tree, and assess the conditions of your site. After purchasing your tree, you'll need to properly plant and care for it. This document can help you through all of those steps so your tree will thrive. In addition, it can help you maintain your tree to avoid infrastructure damage that can lead to costly maintenance.*



*Above: An English walnut at the Zimmerman Farm, one of Gresham's Significant Trees.*

*Right: Trees shade an entry way to condominiums.*



# TREES BENEFIT THE COMMUNITY AND THE ENVIRONMENT

*Urban trees are valuable assets that beautify neighborhoods and improve the quality of life in our community. They help the environment, our pocketbooks, – and ultimately our health – by reducing impacts of industry and urbanization.*



*Clockwise from top left:*

*Street trees in downtown Gresham create a pleasant and inviting commercial environment.*

*Rain gardens, such as this one at the Arts Plaza, help slow and clean stormwater runoff.*

*Wildlife, such as the yellow-rumped warbler, depend on trees for food, homes and shelter.*

*Trees clean air and create cool, shaded trails in Nadaka Park.*

## **Trees help the community by:**

- ♦ Increasing the livability and attractiveness of a community.
- ♦ Increasing the value of real estate by 7 to 10 percent.
- ♦ Promoting shopping, retail sales, and tourism.

## **Trees benefit the environment and people by:**

- ♦ Improving air quality and filtering air pollution.
- ♦ Reducing the amount of energy we use by shading homes, offices, schools, etc.
- ♦ Reducing stormwater runoff by acting as cost effective stormwater management tools.
- ♦ Stabilizing soil with their roots.
- ♦ Improving water quality by filtering pollutants before they go into our streams.
- ♦ Providing homes and food for birds and other wildlife.



## PROPERTY OWNERS' RESPONSIBILITIES

In Gresham, property owners are responsible for planting new or replacement trees on adjacent streets, in parking lots, and in buffers as required according to City codes and through permits.

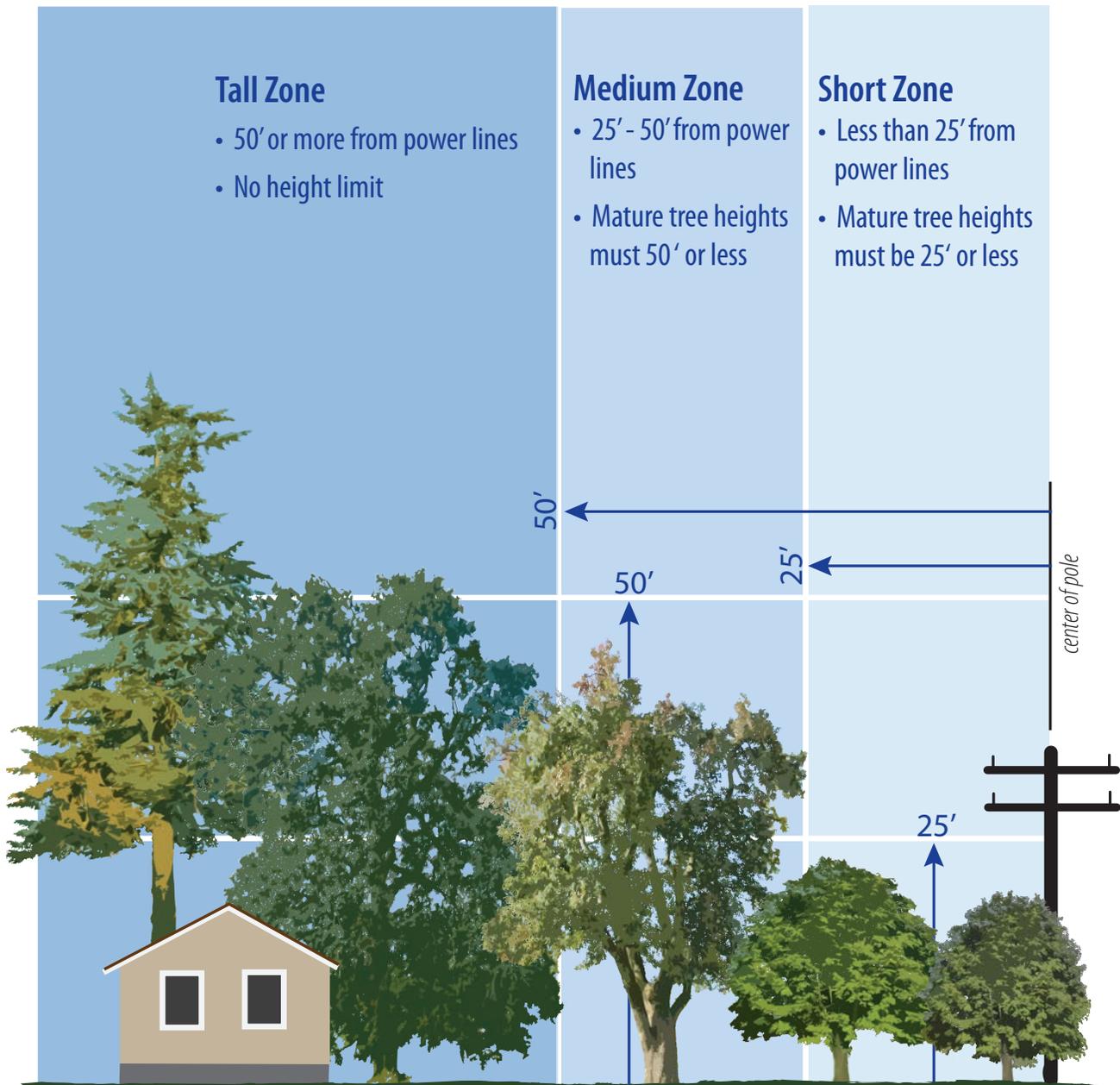
Additional responsibilities include:

- Planting an appropriate species in the right location.
- Staking the tree for the first two years.
- Taking care of the trees.

## GUIDELINES - WHERE TO PLANT

- Plant at least five feet from driveways.
- To provide effective shading, plant trees within 10 to 30 feet of the home.
- To maximize summer shade, plant on the west side of the house.
- If you want to plant for warmth in winter, consider planting a windbreak, such as a row of evergreen or deciduous trees located on the south side.
- Remember that roots, branches and buildings don't mix.

## PLANTING DISTANCES FROM POWER LINES



## SELECTING A TREE

Before selecting a tree, make sure it is not on the invasive tree list. Look at the site conditions and available growing space now and as the tree matures. Consider these factors to help you select the most suitable and desirable tree for your site.

### Area

#### What is the size of the available growing space?

For street trees, this is generally the width of the planting strip or space – the area between the sidewalk and the street. If the planting strip or space is too narrow, street trees can be planted behind the sidewalk, within ten feet of the back of the sidewalk. This is one way to accommodate large shade trees.

#### Are there conflicts with nearby infrastructure?

For other areas on your site, the size of the growing space will be determined by planting area size, nearby utility lines, sidewalks, driveways, intersections, structures or existing trees.

### Size

#### What size tree will best fit the space?

Consider the tree's height and canopy spread when it matures. If you have a large enough space, it makes sense to plant a large shade tree instead of a small ornamental one.

### Shape

#### Which shape will fit best into the space



Left to right:  
Pacific dogwood  
flowers.  
Squirrel in maple tree.  
Douglas-fir tree.



**provided?** Different tree species are shaped like a:

### Climate conditions

#### How much sun does the site receive?

Does the site receive full or partial sun, or does it get full or partial shade? Is it exposed to frequent winds?

### Soil conditions

#### What are the soil qualities?

Is it fertile, deep and well drained, or is it infertile, shallow and poorly drained? Is the site surrounded by pavement that can dry a tree?

### Providing water

#### How will you water your new tree?

Is there a nearby hose spigot for watering, or have you considered tree watering bags or using a bucket with holes? Will you rely on a garden maintenance service?

### Desired traits

#### What do you want in a tree?

Do you want one that will provide shade, seasonal color, attract wildlife and/or act as a screen? Do you prefer an evergreen tree, or a deciduous tree that will lose its leaves in winter?



# PLANTING AND CARING FOR YOUR TREE

*Proper planting and long-term care will help protect your investment in a new tree.*

## Planning ahead

- **The best time to plant** new trees is in the fall after leaves drop, or in early spring before buds open. These two seasons usually have plenty of rain, which helps keep your tree watered.
- **Select a healthy specimen** with good structure from the nursery and transport it carefully.
- **Locate underground utilities** before digging. Call 1-503-246-6699.

## Planting

- **Dig a hole** that is as deep as the root ball and twice as wide. The root collar of the tree must be above the surface of the soil.
- **Remove any burlap (it does not break down), wire, twine, or tags**, taking care not to break roots. If any roots circle the root ball, slice them with a knife.

### Balled and burlapped trees:

- Do not disturb the root ball. Remove any wire, twine, tags or burlap, taking care not to break roots.

### Containerized trees:

- Remove the container and gently loosen the root ball. This allows roots to spread faster and be more resilient as they anchor into the soil. If any roots circle the root ball, slice them with a knife.
- **Lift the tree by the root ball** and gently place it in the center of the hole. Hold the tree up straight and back-fill with soil, taking care to not cover the root collar. Be careful not to press down on the backfill soil as this may prevent water from reaching the roots and the roots from expanding beyond the ball.
- **Water the tree** after planting to help settle the soil around the roots.
- **Add a root barrier** to help keep the roots away from the sidewalk. A four-foot wide, 18 inches deep heavy, ribbed plastic barrier is recommended for planting between the tree and your sidewalk for planting strips that are narrower than four feet.

*Right: Hire a qualified tree service to prune your tree to help maintain the tree's health, safety and structural integrity.*

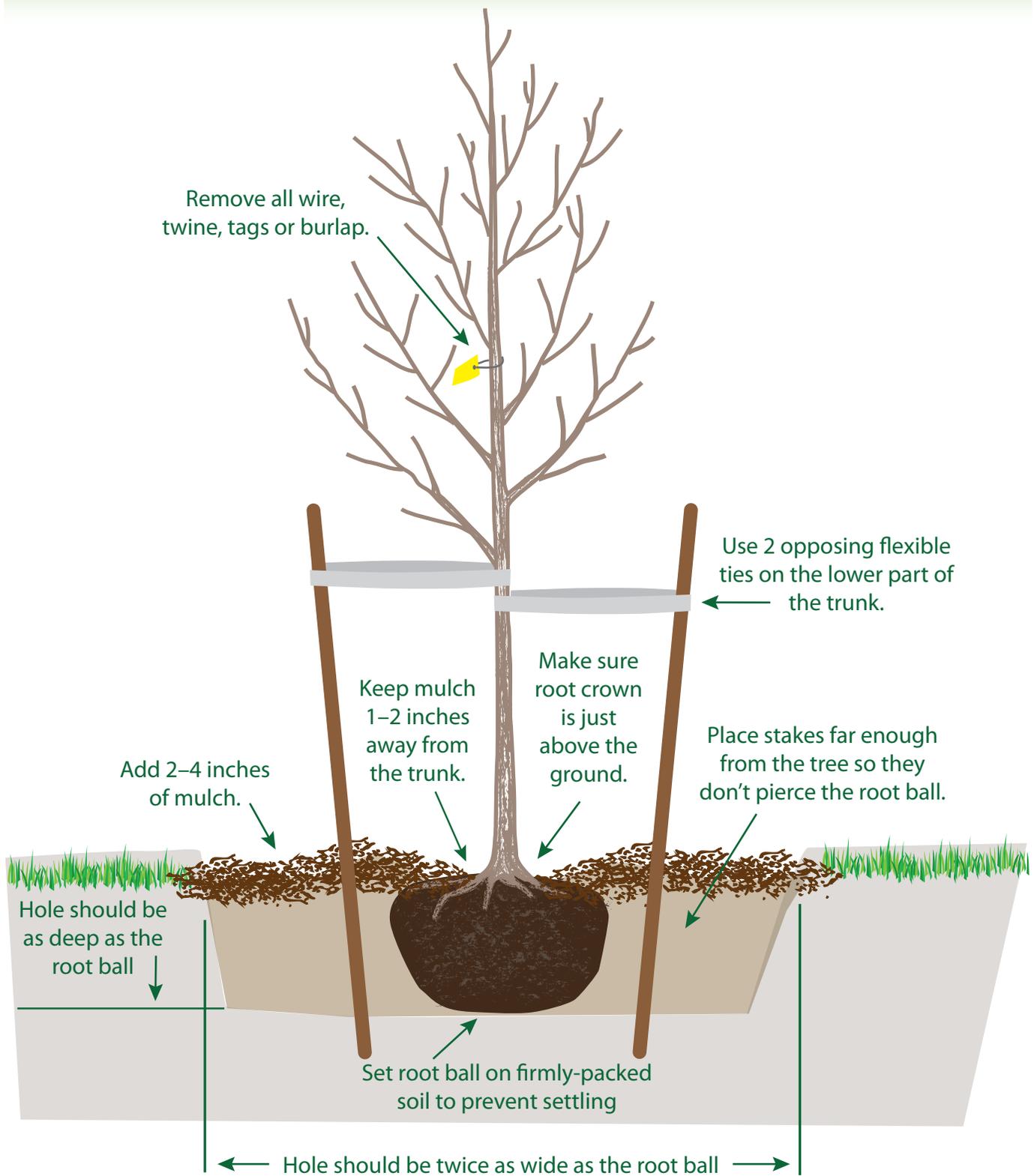
## Maintenance

*Throughout their lives, but especially when young, a tree's growth and health depends on watering regimes, structural pruning, and the use of mulch.*

- **Stake the tree** to help it grow upright. Place the stakes far enough from the tree so they don't pierce the root ball. Remove the stakes after two growing seasons.
- **Apply mulch** – about two to four inches around the base of the tree, but not directly against the trunk. Mulch retains water, which helps to keep roots moist.
- **Keep the soil moist** but not saturated. Do not apply water to the tree trunk. For the first two years, water a minimum of every two weeks. After that, water the minimum amount needed based on temperature and rain conditions.
- **Minor trimming may be needed** for branches that were damaged during planting.
- **Plan to trim your tree after it is established.** Over time, pruning may be needed to provide overhead clearance or to improve the tree's structure. Pruning should be performed by a qualified tree service. Never top a tree.
- **Observe changes** to the tree as it grows and contact an arborist if something seems unusual.



# PLANTING YOUR TREE



## TREE LISTS: APPROVED TREE SPECIES

To help property owners and developers choose the right tree for the right place, the City maintains the following lists of Approved trees.

### Street trees

A street tree is a tree located in the public right-of-way between the curb, or edge of roadway, and the property line.

Street trees are important vertical elements that shade paved areas and enhance the aesthetic beauty of the community. The best street tree is one that fits well in the available space. The Street Tree list includes a range of tree species that are based on the width of the planting strip/space and the presence or absence of overhead power lines. Often, it's only the primary lines (those located above transformers) that affect tree selection since they may come into contact with high voltage carriers. Ask your arborist if the wires are primary or secondary.

Tree type and form are also key characteristics for street trees. For example, trees with wider canopies provide better shade for the neighborhood and manage stormwater runoff. Columnar trees can be used in constrained areas and in front of businesses to ensure visibility of the merchants signs, awnings and storefronts.



*Above: Street trees enhance the aesthetics of a neighborhood.*

*Right top: Parking lot trees provide shade.*

*Right bottom: Buffer trees visually separate properties.*

### Parking lot trees

A parking lot tree is a tree that is capable of reaching 35 feet in height and spread at maturity that was approved as part of a parking lot plan.

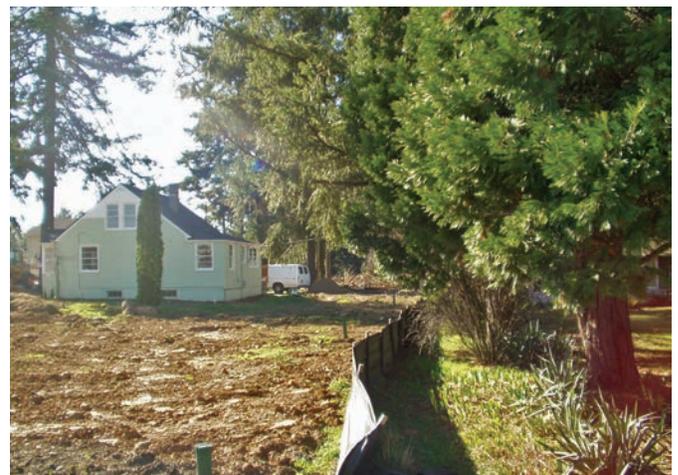
Parking lot trees are required by Code within 10 feet of the parking stalls, drive aisles or maneuvering areas and are typically larger shade trees so they can cool parked cars and pavement as well as manage stormwater runoff that flows from paved areas into nearby creeks.



### Buffer trees

A buffer tree is an evergreen or deciduous tree at least 25 feet in height at maturity that has been approved as part of a buffering and screening plan.

Buffer trees are intended to provide a visual separation between properties to reduce the impacts between different types of land uses.





# STREET TREE LIST - APPROVED SPECIES

FORMS



All measurements are in feet

| COMMON NAME                 | BOTANICAL NAME                             | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-----------------------------|--|---------------|---------------|---------------------------|-----------|
| Paperbark Maple             | <i>Acer griseum</i>                        | 25            | 20            | 3                         | Globe     |
| Butterfly Japanese Maple    | <i>Acer palmatum 'Butterfly'</i>           | 12            | 6             | 3                         | Umbrella  |
| Flowering Dogwood           | <i>Cornus florida</i>                      | 25            | 25            | 3                         | Vase      |
| Crimson Cloud Hawthorn      | <i>Crataegus laevigata 'Crimson Cloud'</i> | 25            | 18            | 3                         | Oval      |
| Golden Desert Ash           | <i>Fraxinus excelsior 'Golden Desert'</i>  | 20            | 20            | 3                         | Globe     |
| Adirondack Crabapple        | <i>Malus 'Adirondack'</i>                  | 18            | 10            | 3                         | Columnar  |
| Columnar Siberian Crabapple | <i>Malus baccata 'Columnaris'</i>          | 30            | 10            | 3                         | Columnar  |
| Red Jewel™ Crabapple        | <i>Malus 'Jewelcole'</i>                   | 15            | 12            | 3                         | Pyramidal |
| Javelin Pear                | <i>Pyrus 'NCPXI'</i>                       | 35            | 10            | 3                         | Columnar  |
| Chanticleer Pear            | <i>Pyrus calleryana 'Glens Form'</i>       | 30            | 20            | 3                         | Pyramidal |
| Cleveland Select Pear       | <i>Pyrus calleryana 'Cleveland Select'</i> | 30            | 20            | 3                         | Pyramidal |
| Japanese Stewartia          | <i>Stewartia pseudocamellia</i>            | 25            | 25            | 3                         | Umbrella  |
| Snowcone Japanese Snowbell  | <i>Styrax japonicus 'JFS-D'</i>            | 20            | 20            | 3                         | Globe     |
| Japanese Tree Lilac         | <i>Syringa reticulata</i>                  | 20            | 15            | 3                         | Oval      |
| Ivory Silk Tree Lilac       | <i>Syringa reticulata 'Ivory Silk'</i>     | 20            | 15            | 3                         | Oval      |
| Summer Sprite Linden        | <i>Tilia cordata 'Halka'</i>               | 20            | 15            | 3                         | Globe     |
| Queen Elizabeth™ Maple      | <i>Acer campestre 'Evelyn'</i>             | 35            | 30            | 4                         | Oval      |
| Metro Gold™ Maple           | <i>Acer campestre 'Panacek'</i>            | 35            | 20            | 4                         | Oval      |
| Rocky Mountain™ Glow Maple  | <i>Acer grandidentatum</i>                 | 25            | 15            | 4                         | Oval      |
| Armstrong Maple             | <i>Acer rubrum 'Armstrong'</i>             | 45            | 15            | 4                         | Columnar  |
| Armstrong Gold Maple        | <i>Acer rubrum 'JFS-KW78'</i>              | 40            | 12            | 4                         | Columnar  |
| Bowhall Maple               | <i>Acer rubrum 'Bowhall'</i>               | 40            | 15            | 4                         | Columnar  |
| Scanlon Red Maple           | <i>Acer rubrum 'Scanlon'</i>               | 40            | 15            | 4                         | Columnar  |
| Apollo™ Maple               | <i>Acer saccharum 'Barrett Cole'</i>       | 25            | 10            | 4                         | Columnar  |
| Tatarian Maple              | <i>Acer tataricum</i>                      | 25            | 15            | 4                         | Oval      |
| Roughbark Maple             | <i>Acer triflorum</i>                      | 20            | 20            | 4                         | Globe     |
| Crimson Sunset Maple        | <i>Acer truncatum x A. platanoides</i>     | 35            | 25            | 4                         | Oval      |
| Serviceberry                | <i>Amelanchier x grandiflora</i>           | 25            | 15            | 4                         | Oval      |
| Snowcloud Serviceberry      | <i>Amelanchier laevis 'Snowcloud'</i>      | 25            | 15            | 4                         | Oval      |



✓ = Okay to plant under overhead utility lines  
 ✗ = Not okay to plant under overhead utility lines

A street tree is a tree located in the public right-of-way between the curb, or edge of roadway, and the property line.

| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS   |
|---|---|
| ☐   | Spreading, rounded crown. Red fall color. Year round interest.  |
| ☐   | Stiffly upright in habit. Variegated cream + light green foliage with magenta tint in fall.   |
| ☐   | Large number of varieties available   |
| ☐   | Oval habit. Glossy green leaves. Bright red flower with white center. Bright red fruit. Virtually thornless   |
| ☐   | Golden twigs  |
| ☐   | Densely upright in an inverted cone. Medium green foliage. White flower bright red fruit.   |
| ☐   | White flower, yellow-red fruit.   |
| ☐   | Green foliage. White foliage. Red fruit, very persistent through the winter.  |
| ☐   | White flowers, red foliage, bronze green leaves in summer.  |
| ☐   |   |
| ☐   | Glossy green foliage. White flowers. Purplish-red foliage in fall.  |
| ☐   | Needs ample water   |
| ☐   | Pendulous white flowers, water weekly for first three summers   |
| ☐   | Upright, spreading in habit. Green foliage. White panicle, flower. Single stem form for street tree. Non-tree form may be planted behind sidewalk.  |
| ☐   | Upright spreading, in habit. Green foliage. White panicle flower. Single stem form.   |
| ☐   | Dense compact crown, sheared appearance, yellow fall color  |
| ☐   | Dark green foliage. Yellow fall color.  |
| ☐   | Dark green foliage. Yellow fall color.  |
| ☐   | Dark green foliage. Orange-yellow fall color.   |
| ☐   | Light green foliage. Yellow to orange red fall color. Good street tree where space demands a tree that doesn't spread. Fall color not as good as Bowhall.   |
| ☐   | Green foliage, gold fall color.   |
| ☐   | Upright very narrow. Medium green foliage. Yellow orange to reddish orange fall color.  |
| ☐   | Orange-red fall color.  |
| ☐   | Dense branching + compact form ideal for limited spaces. Summer foliage is dark green. Yellow orange to red fall color. Withstands heat well.   |
| ☐   | Tolerant of urban stresses, fall color, compact crown   |
| ☐   | Fall color, textured bark   |
| ☐   | Purple foliage, upright   |
| ☐   | White flowers, edible fruit. Single stem form for street tree. Non-tree form may be planted behind sidewalk.  |
| ☐   | Tree form only in planting strip. Upright oval in habit. Dark green leaves. Scarlet leaves in fall. White flower clusters. Blue-purple fruit. Single stem form for street tree. Non-tree form may be planted behind sidewalk. |



# STREET TREE LIST - APPROVED SPECIES

FORMS



All measurements are in feet

| COMMON NAME                    | BOTANICAL NAME                                       | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|--------------------------------|--|---------------|---------------|---------------------------|-----------|
| Spring Flurry Serviceberry     | <i>Amelanchier laevis 'Spring Flurry'</i>            | 35            | 20            | 4                         | Oval      |
| Autumn Brilliance Serviceberry | <i>Amelanchier x grandiflora 'Autumn Brilliance'</i> | 20            | 15            | 4                         | Oval      |
| Princess Diana Serviceberry    | <i>Amelanchier x grandiflora 'Princess Diana'</i>    | 25            | 15            | 4                         | Globe     |
| European Hornbeam              | <i>Carpinus betulus</i>                              | 35            | 25            | 4                         | Globe     |
| Pyramidal European Hornbeam    | <i>Carpinus betulus 'Fastigiata'</i>                 | 40            | 25            | 4                         | Oval      |
| Frans Fontaine Hornbeam        | <i>Carpinus betulus 'Frans Fontaine'</i>             | 40            | 30            | 4                         | Columnar  |
| American Hornbeam              | <i>Carpinus caroliniana</i>                          | 25            | 20            | 4                         | Oval      |
| Japanese Hornbeam              | <i>Carpinus japonica</i>                             | 25            | 25            | 4                         | Globe     |
| Chinese Fringetree             | <i>Chionanthus retusus 'Tokyo Tower'</i>             | 20            | 10            | 4                         | Columnar  |
| June Snow Dogwood              | <i>Cornus controversa 'June Snow'</i>                | 30            | 35            | 4                         | Vase      |
| Eddie's White Wonder Dogwood   | <i>Cornus 'Eddies White Wonder'</i>                  | 25            | 20            | 4                         | Pyramidal |
| Stellar Pink Dogwood           | <i>Cornus kousa x florida</i>                        | 20            | 20            | 4                         | Vase      |
| Venus Dogwood                  | <i>Cornus kousa x nutalli</i>                        | 25            | 20            | 4                         | Vase      |
| Thornless Cockspur Hawthorn    | <i>Crataegus crus-galli</i>                          | 25            | 25            | 4                         | Globe     |
| Washington Hawthorn            | <i>Crataegus phaenopyrum</i>                         | 25            | 20            | 4                         | Oval      |
| Lavalle Hawthorne              | <i>Crataegus x lavellei</i>                          | 28            | 20            | 4                         | Oval      |
| Dawyck Purple Beech            | <i>Fagus sylvatica 'Dawyck Purple'</i>               | 40            | 15            | 4                         | Columnar  |
| Autumn Applause Ash            | <i>Fraxinus americana 'Autumn Applause'</i>          | 40            | 25            | 4                         | Oval      |
| Autumn Purple Ash              | <i>Fraxinus americana 'Junginger'</i>                | 45            | 40            | 4                         | Globe     |
| Summit Ash                     | <i>Fraxinus pennsylvanica 'Summit'</i>               | 45            | 25            | 4                         | Pyramidal |
| Princeton Sentry™ Ginko        | <i>Ginko biloba 'Princeton Sentry'</i>               | 40            | 15            | 4                         | Pyramidal |
| Shade Master Honeylocust       | <i>Gleditsia triacanthos</i>                         | 45            | 35            | 4                         | Vase      |
| Skyline™ Honeylocust           | <i>Gleditsia triacanthos 'Skycole'</i>               | 45            | 35            | 4                         | Pyramidal |
| Street Keeper™ Honeylocust     | <i>Gleditsia triacanthos 'Draves'</i>                | 45            | 20            | 4                         | Pyramidal |
| September Goldenrain           | <i>Koelreuteria paniculata 'September'</i>           | 30            | 25            | 4                         | Globe     |
| Goldenrain Tree                | <i>Koelreuteria paniculata</i>                       | 35            | 35            | 4                         | Globe     |
| Tuliptree                      | <i>Liriodendron tulipifera 'Fastigiata'</i>          | 30            | 10            | 4                         | Columnar  |
| Amur Maackia                   | <i>Maackia amurensis</i>                             | 25            | 20            | 4                         | Vase      |
| Elizabeth Magnolia             | <i>Magnolia acuminata 'Elizabeth'</i>                | 25            | 15            | 4                         | Pyramidal |
| Butterflies Magnolia           | <i>Magnolia acuminata x denudata</i>                 | 20            | 20            | 4                         | Pyramidal |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| <input type="checkbox"/>                  | White flowers, edible fruit; strong central leader. Single stem form for street tree. Non-tree form may be planted behind sidewalk.  |
| <input type="checkbox"/>                  | Upright, moderately spreading habit. Bright red fall color. White flower clusters in spring. Single stem form for street tree. Non-tree form may be planted behind sidewalk. |
| <input type="checkbox"/>                  | White flowers, edible fruit. Single stem form for street tree. Non-tree form may be planted behind sidewalk  |
| <input type="checkbox"/>                  | Dense crown  |
| <input type="checkbox"/>                  | Dark green foliage turns yellow in fall.   |
| <input type="checkbox"/>                  | Provides good screening, attractive fall color   |
| <input type="checkbox"/>                  | Needs ample water  |
| <input type="checkbox"/>                  | Attractive foliage, usually trouble free   |
| <input type="checkbox"/>                  | Showy flower, fruit attracts birds, generally requires little maintenance  |
| <input type="checkbox"/>                  | Wide spreading, flowers in May/June  |
| <input type="checkbox"/>                  | White flowers; red in fall; transplants readily  |
| <input type="checkbox"/>                  | Disease resistant; pink flowers  |
| <input type="checkbox"/>                  | Very large white flowers; vigorous growth  |
| <input type="checkbox"/>                  | No thorns; orange fall color   |
| <input type="checkbox"/>                  | Attractive fall color, orange-red fruit matures in winter + attracts birds   |
| <input type="checkbox"/>                  | Upright oval habit. Dark green foliage. Bronze fall color. Orange red fruit.   |
| <input type="checkbox"/>                  | Deep purple foliage with no change in fall, attractive bark  |
| <input type="checkbox"/>                  | Oval, compact form with green foliage turning purple in fall. Seedless.  |
| <input type="checkbox"/>                  | Fall color, this is a seedless ash variety   |
| <input type="checkbox"/>                  | Pyramidal in habit. Medium green foliage. Yellow fall color.   |
| <input type="checkbox"/>                  | Green foliage. Bright yellow fall color.   |
| <input type="checkbox"/>                  | Green leaves, yellow fall color.   |
| <input type="checkbox"/>                  | Upright spreading branches + finely textured medium green foliage. Golden fall color. Good environmental tolerance.  |
| <input type="checkbox"/>                  | Green foliage. Yellow fall color.  |
| <input type="checkbox"/>                  | Green leaves. Yellow and orange fall color. Yellow flowers.  |
| <input type="checkbox"/>                  | Tolerant of urban stresses.  |
| <input type="checkbox"/>                  | Fast grower, narrow crown, susceptible to aphids.  |
| <input type="checkbox"/>                  | Showy flowers, gold fall color   |
| <input type="checkbox"/>                  | Yellow flower  |
| <input type="checkbox"/>                  | Showy yellow flowers   |



# STREET TREE LIST - APPROVED SPECIES

FORMS



All measurements are in feet

| COMMON NAME                   | BOTANICAL NAME                               | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------------------|--|---------------|---------------|---------------------------|-----------|
| Galaxy Magnolia               | <i>Magnolia liliflora x sprengeri</i>        | 30            | 15            | 4                         | Pyramidal |
| Golden Raindrops Crabapple    | <i>Malus 'Schmidtcutleaf'</i>                | 20            | 15            | 4                         | Vase      |
| Schonosuki Crabapple          | <i>Malus tschonoskii</i>                     | 30            | 15            | 4                         | Oval      |
| Tupelo                        | <i>Nyssa sylvatica</i>                       | 45            | 20            | 4                         | Pyramidal |
| David Odom Afterburner Tupelo | <i>Nyssa sylvatica 'David Odom'</i>          | 45            | 20            | 4                         | Pyramidal |
| Vanessa Persian Ironwood      | <i>Parrotia persica 'Vanessa'</i>            | 30            | 15            | 4                         | Oval      |
| Columnar Sargent Cherry       | <i>Prunus sargentii 'Columnaris'</i>         | 30            | 10            | 4                         | Vase      |
| Pink Flair™ Cherry            | <i>Prunus sargentii 'JFS-KW58'</i>           | 25            | 15            | 4                         | Columnar  |
| Royal Burgundy Cherry         | <i>Prunus serrulata 'Royal Burgundy'</i>     | 30            | 20            | 4                         | Vase      |
| Cascade Snow Cherry           | <i>Prunus 'Cascade' Snow'</i>                | 25            | 20            | 4                         | Vase      |
| Snow Goose Cherry             | <i>Prunus 'Snow Goose'</i>                   | 20            | 20            | 4                         | Vase      |
| Redspire Pear                 | <i>Pyrus calleryana 'Redspire'</i>           | 35            | 25            | 4                         | Pyramidal |
| Jack Pear                     | <i>Pyrus calleryana 'Jackzam'</i>            | 40            | 15            | 4                         | Pyramidal |
| Crimson Spire Oak             | <i>Quercus alba x Q. robur 'Crimschmidt'</i> | 45            | 15            | 4                         | Columnar  |
| Forest Green™ Oak             | <i>Quercus frainetto 'Schmidt'</i>           | 50            | 30            | 4                         | Columnar  |
| Columnar English Oak          | <i>Quercus robur 'Fastigiata'</i>            | 45            | 15            | 4                         | Columnar  |
| Summer Charm Tree Lilac       | <i>Syringa pekinensis 'Summer Charm'</i>     | 20            | 20            | 4                         | Globe     |
| Redmond Bigleaf Linden        | <i>Tilia americana x euchlora 'Redmond'</i>  | 35            | 25            | 4                         | Pyramidal |
| Chancellor™ Linden            | <i>Tilia cordata 'Chancole'</i>              | 35            | 20            | 4                         | Pyramidal |
| Corinthian Linden             | <i>Tilia cordata 'Corzam'</i>                | 45            | 15            | 4                         | Columnar  |
| Emerald Sunshine Elm          | <i>Ulmus propinqua 'JFS-Bieberich'</i>       | 35            | 25            | 4                         | Vase      |
| City Sprite Zelkova           | <i>Zelkova serrata 'City Sprite'</i>         | 24            | 18            | 4                         | Oval      |
| Musashino Zelkova             | <i>Zelkova serrata 'Musashino'</i>           | 45            | 20            | 4                         | Columnar  |
| Wireless™ Zelkova             | <i>Zelkova serrata 'Schmidtlow'</i>          | 24            | 36            | 4                         | Vase      |
| State Street™ Maple           | <i>Acer miyabei 'Morton'</i>                 | 45            | 30            | 6                         | Oval      |
| Sycamore Maple                | <i>Acer pseudoplatanus</i>                   | 50            | 40            | 6                         | Oval      |
| Wineleaf Sycamore Maple       | <i>Acer pseudoplatanus 'Spaethii'</i>        | 40            | 30            | 6                         | Pyramidal |
| Brandywine Maple              | <i>Acer rubrum 'Brandywine'</i>              | 40            | 35            | 6                         | Oval      |
| Embers Red Maple              | <i>Acer rubrum 'Embers'</i>                  | 40            | 35            | 6                         | Globe     |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Deciduous; strong central leader   |
| ☐   | Unique leaves, white flowers, small golden yellow fruit  |
| ☐   | Dark green foliage turns orange, red + purple in fall. Sparse yellow-green fruit.  |
| ☐   | Pyramidal when young, spreading + irregular with age. Dark green, glossy foliage. Hot, copper-red fall color.  |
| ☐   | Named in memoriam of local arborist David Odom, unique upright structure   |
| ☐   | Beautiful bark and fall color, slow growing and long-lived   |
| ☐   | Green foliage. Deep pink flowers. Orange red fall color.   |
| ☐   | Compact height. Well suited to urban landscapes. Consistently bright orange-red fall color. Single pink flowers in clusters. Blooms later than typical, avoiding frost damage. |
| ☐   | Vase shaped. Purple red foliage. Red orange fall color. Large double pink flowers.   |
| ☐   | Disease resistant; white flowers   |
| ☐   | Disease resistant; white flowers; widens with age  |
| ☐   | Pyramidal, dense + symmetrical with medium green, glossy foliage turning yellow to red in fall. Abundant white flowers.  |
| ☐   | Abundant white flowers early spring  |
| ☐   | Narrow crown, rusty red fall color   |
| ☐   | Glossy deep green foliage.   |
| ☐   | Dense, medium texture. Dark green foliage, bronze in the fall. 1 inch acorns. Tolerates pollution + restricted root space.   |
| ☐   | Glossy foliage, sprays of creamy white flowers, yellow fall color  |
| ☐   | Light green foliage. Yellowish fall color.   |
| ☐   | Dark green foliage. Yellow fall color.   |
| ☐   | Narrowest of the linden cultivars  |
| ☐   | Yellow fall color with purple tips, strong upright structure   |
| ☐   | Dense compact crown, low maintenance   |
| ☐   | Very narrow upright vase shape. Medium green foliage. Ideal for narrow street use with good clearance beneath the canopy.  |
| ☐   | Broadly spreading vase. Medium green foliage. Red fall color.  |
| ☐   | Dark green foliage. Yellow fall color.   |
| ☐   | Green foliage. Yellow fall color.  |
| ☐   | Dark green foliage   |
| ☐   | Introduced by the National Arboretum. Cross of October Glory™ + Autumn Flame. Deep red fall color 10 days later than most red maples.  |
| ☐   | Green foliage. Bright red fall color.  |



# STREET TREE LIST - APPROVED SPECIES

FORMS



All measurements are in feet

| COMMON NAME             | BOTANICAL NAME  | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------------|---|---------------|---------------|---------------------------|-----------|
| Red Sunset Maple        | <i>Acer rubrum</i> 'Franksred'                                    | 45            | 35            | 6                         | Oval      |
| Morgan Maple            | <i>Acer rubrum</i> 'Morgan'                                       | 45            | 40            | 6                         | Oval      |
| New World Maple         | <i>Acer rubrum</i> 'New World'                                    | 40            | 20            | 6                         | Columnar  |
| Northwood Maple         | <i>Acer rubrum</i> 'Northwood'                                    | 40            | 35            | 6                         | Oval      |
| October Glory™ Maple    | <i>Acer rubrum</i> 'October Glory'™                               | 40            | 35            | 6                         | Oval      |
| Red Sunset Red Maple    | <i>Acer rubrum</i> 'Red Sunset'                                   | 45            | 30            | 6                         | Columnar  |
| Scarlet Sentinel™ Maple | <i>Acer rubrum</i> 'Scarsen'                                      | 40            | 20            | 6                         | Columnar  |
| Schlesinger Maple       | <i>Acer rubrum</i> 'Schlesingeri'                                 | 45            | 35            | 6                         | Vase      |
| Sun Valley Maple        | <i>Acer rubrum</i> 'Sun Valley'                                   | 40            | 35            | 6                         | Oval      |
| Autumn Flame Red Maple  | <i>Acer rubrum</i> 'Autumn Flame'                                 | 50            | 40            | 6                         | Oval      |
| October Glory Red Maple | <i>Acer rubrum</i> 'October Glory'                                | 45            | 45            | 6                         | Globe     |
| Redpointe Maple         | <i>Acer rubrum</i> 'Redpointe'                                    | 45            | 30            | 6                         | Pyramidal |
| Commemoration Maple     | <i>Acer saccharum</i> 'Commemoration'                             | 50            | 35            | 6                         | Oval      |
| Green Mountain™ Maple   | <i>Acer saccharum</i> 'Green Mountain'™                           | 45            | 35            | 6                         | Oval      |
| Legacy Maple            | <i>Acer saccharum</i> 'Legacy'                                    | 50            | 35            | 6                         | Oval      |
| Keithsform Sunset Maple | <i>Acer truncatum</i> x <i>A. platanooides</i> 'Keithsform'       | 35            | 25            | 6                         | Oval      |
| Norwegian Sunset Maple  | <i>Acer truncatum</i> x <i>A. platanooides</i> 'Norwegian Sunset' | 35            | 25            | 6                         | Oval      |
| Pacific Sunset Maple    | <i>Acer truncatum</i> x <i>A. platanooides</i> 'Warrenred'        | 30            | 25            | 6                         | Globe     |
| Autumn Blaze Maple      | <i>Acer</i> x <i>freemanii</i> 'Jeffersred'                       | 50            | 30            | 6                         | Oval      |
| Jacquemontii Birch      | <i>Betula utilis</i> var. <i>jacquemontii</i>                     | 40            | 30            | 6                         | Oval      |
| Hackberry               | <i>Celtis occidentalis</i>  | 40            | 30            | 6                         | Globe     |
| Magnifica Hackberry     | <i>Celtis occidentalis</i> 'Magnifica'                            | 45            | 35            | 6                         | Oval      |
| Pyramidal Beech         | <i>Fagus sylvatica</i> 'Fastigiata'                               | 45            | 15            | 6                         | Columnar  |
| Tricolor Beech          | <i>Fagus sylvatica</i> 'Roseo-marginata'                          | 35            | 25            | 6                         | Oval      |
| White Ash               | <i>Fraxinus americana</i>   | 60            | 45            | 6                         | Globe     |
| Autumn Purple™ Ash      | <i>Fraxinus americana</i> 'Autumn Purple'™                        | 45            | 40            | 6                         | Globe     |
| Empire Ash              | <i>Fraxinus americana</i> 'Empire'                                | 50            | 25            | 6                         | Columnar  |
| Raywood Ash             | <i>Fraxinus oxycarpa</i> 'Raywood'                                | 35            | 25            | 6                         | Oval      |
| Patmore Ash             | <i>Fraxinus pennsylvanica</i> 'Patmore'                           | 45            | 35            | 6                         | Vase      |
| Urbanite Ash            | <i>Fraxinus pennsylvanica</i> 'Urbanite'                          | 50            | 40            | 6                         | Pyramidal |
| Autumn Gold Ginkgo      | <i>Ginkgo biloba</i> 'Autumn Gold'                                | 45            | 35            | 6                         | Globe     |
| Saratoga Ginkgo         | <i>Ginkgo biloba</i> 'Saratoga'                                   | 35            | 30            | 6                         | Globe     |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Dark green glossy foliage. Brilliant orange red to red fall color. Developed in Gresham by J. Frank Schmidt Nursery.                                     |
| ☐   | Medium green foliage. Orange-red to red fall color.  |
| ☐   | Flaring shape allows traffic below. Bright orange fall color.  |
| ☐   | Medium to dark green foliage. Reddish fall color.  |
| ☐   | Medium green foliage. Red purple fall color.   |
| ☐   | Attractive bark, red or orange fall color, provide good drainage in clay soil  |
| ☐   | Upright rather narrow. Dark green foliage. Yellow orange to orange red fall color. Good for streets + parking lots.                                      |
| ☐   | Medium green foliage. Orange to orange red fall color.   |
| ☐   | U. S. Arboretum introduction. A hybrid between Red Sunset + Autumn Flame. Oval, symmetrical, densely branched, seedless. Reliably bright red fall color. |
| ☐   | Fall color, many varieties such as 'Armstrong', 'Bowhall', 'Franks Red', 'Morgan', & 'Scarsen'   |
| ☐   | Attractive bark, red or orange fall color, provide good drainage in clay soil  |
| ☐   | Strong central leader; urban tolerant; bright red in fall  |
| ☐   | Fast growing; develops good caliper as a young tree  |
| ☐   | Dark green foliage. Reddish ornate to red fall color.  |
| ☐   | Glossy leaves; orange-red in fall  |
| ☐   | Oval with dark green foliage and yellow-orange to red fall color. Nice branch structure.   |
| ☐   | Uniform canopy; orange/red in fall   |
| ☐   | Dark green foliage becomes yellow, orange + red in fall.   |
| ☐   | Good fall color. Established trees have some tolerance for drought conditions.   |
| ☐   | Glossy, dark green leaves turn yellow in fall. Very white bark.  |
| ☐   | Round in habit. Bright green foliage. Yellow fall color.   |
| ☐   | Very urban tolerant; rarely lifts sidewalks  |
| ☐   | Deep green foliage is with a change to bronze in fall  |
| ☐   | Oval habit. Purple leaves have a rose-pink + cream border.   |
| ☐   | Plant seedless varieties   |
| ☐   | Rounded shape. Green heavily textured foliage. Reddish purple fall color. Seedless.  |
| ☐   | Unusually narrow upright fast growing. Medium green foliage. Rusty orange to purplish fall color. Seedless.  |
| ☐   | Oval with dense crown. Narrow green leaflets. Reddish purple fall color. Delicate fine-textured appearance.  |
| ☐   | Symmetrical upright branches. Dark green glossy foliage. Yellow fall color.  |
| ☐   | Pyramidal with lustrous dark green foliage. Bronze in fall.  |
| ☐   | Narrow form in youth broadens with age. Medium green foliage. Striking golden yellow fall color is characteristic of this seedless clone. Male only.     |
| ☐   | Extremely free of pests. Very tolerant of pollution and salt. Requires little maintenance. Slow growing + long lived. Yellow fall color. Male only.      |



# STREET TREE LIST - APPROVED SPECIES

FORMS



NARROW COLUMN



OVAL



PYRAMID



UMBRELLA



VASE

All measurements are in feet

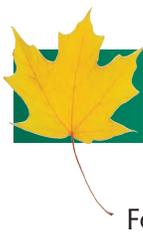
| COMMON NAME                | BOTANICAL NAME                                 | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|----------------------------|--|---------------|---------------|---------------------------|-----------|
| Halka Ginkgo               | <i>Ginkgo biloba 'Halka'</i>                   | 45            | 40            | 6                         | Globe     |
| Halka™ Honeylocust         | <i>Gleditsia tricanthos 'Christie'</i>         | 55            | 40            | 6                         | Globe     |
| Mountain Silverbells       | <i>Halesia monticola</i>                       | 40            | 25            | 6                         | Globe     |
| Emerald City Tulip Tree    | <i>Liriodendron tulipifera 'JFS-OZ'</i>        | 55            | 25            | 6                         | Pyramidal |
| Yulan Magnolia             | <i>Magnolia denudata</i>                       | 35            | 30            | 6                         | Pyramidal |
| Kobus Magnolia             | <i>Magnolia kobus</i>                          | 40            | 30            | 6                         | Globe     |
| Sweet Bay Magnolia         | <i>Magnolia virginiana</i>                     | 25            | 35            | 6                         | Globe     |
| European Hophornbeam       | <i>Ostrya carpinifolia</i>                     | 40            | 25            | 6                         | Globe     |
| American Hophornbeam       | <i>Ostrya virginiana</i>                       | 35            | 25            | 6                         | Oval      |
| Sourwood                   | <i>Oxydendrum arboreum</i>                     | 35            | 20            | 6                         | Pyramidal |
| Amur Corktree              | <i>Phellodendron amurense</i>                  | 40            | 30            | 6                         | Globe     |
| Newport Plum               | <i>Prunus cerasifera 'Newport'</i>             | 20            | 20            | 6                         | Globe     |
| Thundercloud Plum          | <i>Prunus cerasifera 'Thundercloud'</i>        | 20            | 20            | 6                         | Globe     |
| Mt. St. Helens Plum        | <i>Prunus 'Frankthrees'</i>                    | 20            | 20            | 6                         | Vase      |
| Flowering Cherry 'Kwanzan' | <i>Prunus 'Kwanzan'</i>                        | 30            | 20            | 6                         | Vase      |
| Akebono Flowering Cherry   | <i>Prunus x yedoensis 'Akebono'</i>            | 25            | 25            | 6                         | Vase      |
| Yoshino Cherry             | <i>Prunus x yedoensis</i>                      | 30            | 30            | 6                         | Umbrella  |
| Aristocrat Pear            | <i>Pyrus calleryana 'Aristocrat'</i>           | 40            | 28            | 6                         | Pyramidal |
| Rancho Pear                | <i>Pyrus calleryana 'Rancho'</i>               | 35            | 30            | 6                         | Columnar  |
| Trinity Pear               | <i>Pyrus calleryana 'Trinity'</i>              | 30            | 25            | 6                         | Oval      |
| Swamp White Oak            | <i>Quercus bicolor</i>                         | 60            | 25            | 6                         | Globe     |
| Scarlet Oak                | <i>Quercus coccinea</i>                        | 50            | 40            | 6                         | Oval      |
| Skymaster™ Oak             | <i>Quercus robur 'Skymaster™'</i>              | 50            | 25            | 6                         | Oval      |
| Regal Prince Oak           | <i>Quercus robur x bicolor 'Long'</i>          | 45            | 18            | 6                         | Columnar  |
| Shumard Oak                | <i>Quercus shumardii</i>                       | 50            | 40            | 6                         | Oval      |
| Beijing Gold Tree Lilac    | <i>Syringa pekinensis 'Zhang Zhiming'</i>      | 20            | 20            | 6                         | Vase      |
| American Linden            | <i>Tilia americana</i>                         | 60            | 30            | 6                         | Globe     |
| Continental Appeal Linden  | <i>Tilia americana 'Continental Appeal'</i>    | 50            | 28            | 6                         | Oval      |
| Greenspire™ Linden         | <i>Tilia cordata 'Greenspire™'</i>             | 40            | 30            | 6                         | Pyramidal |
| Glenleven Linden           | <i>Tilia cordata 'Glenleven'</i>               | 45            | 30            | 6                         | Pyramidal |
| Rancho Linden              | <i>Tilia cordata 'Rancho'</i>                  | 40            | 30            | 6                         | Vase      |
| Harvest Gold Linden        | <i>Tilia cordata x mongolica 'Harvet Gold'</i> | 40            | 30            | 6                         | Pyramidal |
| Crimean Linden             | <i>Tilia x euchlora</i>                        | 40            | 35            | 6                         | Pyramidal |
| Sterling Silver Linden     | <i>Tilia tomentosa 'Sterling'</i>              | 45            | 35            | 6                         | Pyramidal |
| Triumph™ Elm               | <i>Ulmus 'Morton Glossy'</i>                   | 70            | 60            | 6                         | Oval      |
| Frontier Elm               | <i>Ulmus americana 'Frontier'</i>              | 40            | 30            | 6                         | Globe     |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Uniform + symmetrical branching.   |
| ☐   | Green foliage. Yellow fall color.  |
| ☐   | White bell shaped flowers; yellow fall color   |
| ☐   | White, fragrant flowers  |
| ☐   | Green leaves. White flowers.   |
| ☐   | Early-spring blossoms are creamy white. Medium fast-growing, good pollution tolerance.                             |
| ☐   | Nutlets in hop-like bunches  |
| ☐   | Medium green foliage. Yellow fall color.   |
| ☐   | Dark green leaves turn orange + scarlet in fall. Showy white flowers in summer.                                    |
| ☐   | Fragrant leaves + fruit  |
| ☐   | Globe-shaped habit. Dark purple leaves change to reddish in fall. Flower is light pink. Dull purple fruit.         |
| ☐   | Retains deep purple leaf color through the growing season, pink flowers  |
| ☐   | Dense crown, purple foliage emerges early, light pink flowers  |
| ☐   | Vase-shaped habit. Dark green foliage becomes bronze or orange in fall. Deep pink flower. Minimum 6 foot graft.    |
| ☐   | Upright spreading with bright green foliage. Delicate pink flowers in spring. Yellowish fall color.                |
| ☐   | Spreading in habit. Green foliage. Yellow fall color. White flowers with pink tint.                                |
| ☐   | Narrow, dark, glossy green leaves. White flowers. Storm resistant + informal appearance.                           |
| ☐   | Narrow upright. White flowers.   |
| ☐   | Glossy green foliage. Orange red fall color. White flowers.  |
| ☐   | Upper + lower leaf surfaces contrast in color, attracts wildlife   |
| ☐   | Oval, open in habit. Bright green foliage. Scarlet fall color.   |
| ☐   | Dark green foliage. Yellow fall color.   |
| ☐   |  |
| ☐   | Thrives in areas with poor drainage, attracts wildlife   |
| ☐   | Upright spreading crown, sprays of yellow flowers in June  |
| ☐   | Tolerant of urban stresses   |
| ☐   |  |
| ☐   | Symmetrical. Dark green foliage. Yellow fall color.  |
| ☐   | Vigorous pyramidal. Medium green foliage. Yellow fall color. More informal than Greenspire™.                       |
| ☐   | Vigorous upright. Small leaves.  |
| ☐   | Attractive bark, bright golden yellow fall color   |
| ☐   | Glossy foliage; yellow in fall   |
| ☐   | Broadly pyramidal, neat and symmetrical. Green leaves are silver-gray underneath. Yellow fall color. Fast growing. |
| ☐   | Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.  |
| ☐   | Pest and disease resistant, substitute for American Elm  |



# STREET TREE LIST - APPROVED SPECIES

FORMS



All measurements are in feet

| COMMON NAME                    | BOTANICAL NAME                           | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|--------------------------------|--|---------------|---------------|---------------------------|-----------|
| Accolade™ Elm                  | <i>Ulmus japonica x wilsonia</i>         | 70            | 60            | 6                         | Vase      |
| Allé Lacebark Elm              | <i>Ulmus parvifolia 'Elmer II'</i>       | 50            | 35            | 6                         | Vase      |
| Prospector Elm                 | <i>Ulmus wilsoniana</i>                  | 40            | 30            | 6                         | Vase      |
| Patriot Elm                    | <i>Ulmus 'Patriot'</i>                   | 50            | 40            | 6                         | Vase      |
| Zelkova                        | <i>Zelkova serrata</i>                   | 65            | 50            | 6                         | Oval      |
| Green Vase™ Zelkova            | <i>Zelkova serrata 'Green Vase'™</i>     | 50            | 40            | 6                         | Vase      |
| Halka™ Zelkova                 | <i>Zelkova serrata 'Halka'™</i>          | 50            | 30            | 6                         | Vase      |
| Village Green Zelkova          | <i>Zelkova serrata 'Village Green'</i>   | 50            | 40            | 6                         | Vase      |
| Trident Maple                  | <i>Acer buergeranum</i>                  | 25            | 20            | 8                         | Oval      |
| Red Maple                      | <i>Acer rubrum</i>                       | 50            | 45            | 8                         | Globe     |
| Bonfire Maple                  | <i>Acer saccharum 'Bonfire'</i>          | 50            | 40            | 8                         | Globe     |
| Red Horse Chestnut             | <i>Aesculus x carnea</i>                 | 30            | 35            | 8                         | Globe     |
| Heritage River Birch           | <i>Betula nigra 'Heritage'</i>           | 45            | 30            | 8                         | Oval      |
| Canoe or Paper Birch           | <i>Betula papyrifera</i>                 | 50            | 35            | 8                         | Oval      |
| Catalpa                        | <i>Catalpa speciosa</i>                  | 60            | 40            | 8                         | Globe     |
| Giant Dogwood                  | <i>Cornus controversa</i>                | 30            | 40            | 8                         | Vase      |
| Hardy Rubber Tree              | <i>Eucommia ulmoides</i>                 | 50            | 50            | 8                         | Globe     |
| Rivers Purple Beech            | <i>Fagus sylvatica 'Riversii'</i>        | 50            | 40            | 8                         | Oval      |
| Green Ash                      | <i>Fraxinus pennsylvanica</i>            | 50            | 40            | 8                         | Oval      |
| Kentucky Coffeetree 'Espresso' | <i>Gymnocladus dioicus 'Espresso'</i>    | 70            | 40            | 8                         | Vase      |
| Tulip Tree                     | <i>Liriodendron tulipifera</i>           | 80            | 35            | 8                         | Oval      |
| Scotch Pine                    | <i>Pinus sylvestris</i>                  | 50            | 40            | 8                         | Pyramidal |
| London Planetree               | <i>Platanus x acerifolia 'Bloodgood'</i> | 50            | 40            | 8                         | Pyramidal |
| Autumn Blaze Pear              | <i>Pyrus calleryana 'Autumn Blaze'</i>   | 30            | 25            | 8                         | Globe     |
| Silver Leaf Oak                | <i>Quercus hypoleucoides</i>             | 60            | 35            | 8                         | Globe     |
| Shingle Oak                    | <i>Quercus imbricaria</i>                | 50            | 40            | 8                         | Oval      |
| Bur Oak                        | <i>Quercus macrocarpa</i>                | 65            | 50            | 8                         | Oval      |
| Willow Oak                     | <i>Quercus phellos</i>                   | 60            | 45            | 8                         | Pyramidal |
| English Oak                    | <i>Quercus robur</i>                     | 50            | 40            | 8                         | Globe     |
| Red Oak                        | <i>Quercus rubra</i>                     | 60            | 45            | 8                         | Oval      |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Vase shaped with arching limbs. Glossy dark green foliage. Yellow fall color. Resistant to elm leaf beetle and Dutch elm disease.                |
| ☐   | Substitute for American Elm due to pest and disease resistance   |
| ☐   | Substitute for American Elm due to pest and disease resistance   |
| ☐   | Attractive shade tree  |
| ☐   | Vase shape with upright arching branches in habit. Green foliage. Orange fall color.   |
| ☐   | Upright vase shaped. Long arching branches, canopy similar to American Elm. Medium green foliage. Yellow fall color.                             |
| ☐   | Orange-brown to bronze-red fall color  |
| ☐   | Dark green foliage turns yellow and orange in fall.  |
| ☐   | Leaves are medium to dark green, becoming orange or red in fall.   |
| ☐   | Fast growing; orange-red in fall   |
| ☐   | Long rosy cluster; small variety; spiky nuts   |
| ☐   | Attractive bark, gold in fall  |
| ☐   | Dark green foliage. Yellow fall color. The most permanent of the birches.  |
| ☐   | Withstands hot, dry environments. Medium to fast growth rate. Foliage green, then yellow in fall. Has white flowers. Seed capsules can be messy. |
| ☐   | Large white flowers; red fall color, fast growing  |
| ☐   | Rubber is extracted from the wood  |
| ☐   | Deep purple foliage with no change in fall, attractive bark  |
| ☐   | Plant seedless varieties   |
| ☐   | Green foliage.   |
| ☐   | Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.                    |
| ☐   | Evergreen conifer, striking orange bark  |
| ☐   | Broadly pyramidal. Shedding bark produces mottled brown and cream pattern. This variety is more resistant to anthracnose than species.           |
| ☐   | Rounded shape with spreading branches. Foliage emerges with a red tint + matures to glossy green. White flowers. Purplish-red fall color.        |
| ☐   | Silvery foliage  |
| ☐   | Transplants readily; beautiful summer foliage  |
| ☐   | Upright crown becomes round and spreading with maturity, attracts wildlife   |
| ☐   | Tolerant of urban stresses   |
| ☐   | Sturdy + adaptable tree with broad, rounded habit. Deep green foliage with yellow-brown fall color.  |
| ☐   | Beautiful fall color   |



# STREET TREE LIST - APPROVED SPECIES

FORMS



GLOBE



NARROW COLUMN



OVAL



PYRAMID



UMBRELLA



VASE

All measurements are in feet

| COMMON NAME                   | BOTANICAL NAME                       | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------------------|--------------------------------------|---------------|---------------|---------------------------|-----------|
| Bald Cypress                  | <i>Taxodium distichum</i>            | 55            | 30            | 8                         | Pyramidal |
| Pioneer Elm                   | <i>Ulmus 'Pioneer'</i>               | 50            | 50            | 8                         | Vase      |
| Silver Fir                    | <i>Abies amabilis</i>                | 50            | 40            | 10                        | Pyramidal |
| Grand Fir                     | <i>Abies grandis</i>                 | 100           | 40            | 10                        | Pyramidal |
| Bigleaf Maple                 | <i>Acer macrophyllum</i>             | 70            | 60            | 10                        | Globe     |
| Sugar Maple                   | <i>Acer saccharum</i>                | 100           | 50            | 10                        | Oval      |
| Incense-Cedar                 | <i>Calocedrus decurrens</i>          | 80            | 20            | 10                        | Columnar  |
| Atlas Cedar                   | <i>Cedrus atlantica</i>              | 65            | 40            | 10                        | Pyramidal |
| Deodar Cedar                  | <i>Cedrus deodara</i>                | 80            | 40            | 10                        | Pyramidal |
| Hinoki Falsecypress           | <i>Chamaecyparis obtusa</i>          | 50            | 20            | 10                        | Pyramidal |
| Pacific Dogwood               | <i>Cornus nuttallii</i>              | 50            | 20            | 10                        | Oval      |
| Dove Tree                     | <i>Davidia involucrata</i>           | 35            | 30            | 10                        | Globe     |
| American Beech                | <i>Fagus grandifolia</i>             | 50            | 40            | 10                        | Oval      |
| European Beech                | <i>Fagus sylvatica</i>               | 50            | 40            | 10                        | Oval      |
| Oregon Ash                    | <i>Fraxinus latifolia</i>            | 75            | 25            | 10                        | Globe     |
| Dawn Redwood                  | <i>Metasequoia glyptostroboides</i>  | 70            | 25            | 10                        | Pyramidal |
| Norway Spruce                 | <i>Picea abies</i>                   | 100           | 30            | 10                        | Pyramidal |
| Engelmann Spruce              | <i>Picea engelmannii</i>             | 100           | 30            | 10                        | Pyramidal |
| Colorado Spruce               | <i>Picea pungens</i>                 | 65            | 20            | 10                        | Pyramidal |
| Sitka Spruce                  | <i>Picea sitchensis</i>              | 120           | 40            | 10                        | Pyramidal |
| Lacebark Pine                 | <i>Pinus bungeana</i>                | 50            | 30            | 10                        | Pyramidal |
| Shore Pine                    | <i>Pinus contorta</i>                | 50            | 25            | 10                        | Pyramidal |
| Lodgepole Pine                | <i>Pinus contorta var. latifolia</i> | 50            | 25            | 10                        | Pyramidal |
| Western White Pine            | <i>Pinus monticola</i>               | 85            | 50            | 10                        | Pyramidal |
| Austrian Pine                 | <i>Pinus nigra</i>                   | 55            | 40            | 10                        | Pyramidal |
| Arnold Sentinel Austrian Pine | <i>Pinus nigra 'Arnold Sentinel'</i> | 30            | 10            | 10                        | Columnar  |
| Ponderosa Pine                | <i>Pinus ponderosa</i>               | 100           | 30            | 10                        | Pyramidal |
| Fastigate White Pine          | <i>Pinus strobus 'Fastigiata'</i>    | 40            | 10            | 10                        | Pyramidal |
| Japanese Black Pine           | <i>Pinus thunbergiana</i>            | 30            | 20            | 10                        | Pyramidal |
| Zebrina Himalayan Pine        | <i>Pinus wallinchiana 'Zebrina'</i>  | 30            | 20            | 10                        | Oval      |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS   |
|---|---|
| <input type="checkbox"/>                  | Deciduous conifer; wet/dry sites; urban tolerant  |
| <input type="checkbox"/>                  | Substitute for American Elm due pest and disease resistance   |
| <input type="checkbox"/>                  | Needs lots of room to grow. Dark green evergreen needles, silvery underneath, curve upward along the branches.  |
| <input type="checkbox"/>                  | One of the largest firs, can grow up to 300 feet.   |
| <input type="checkbox"/>                  | Broad-topped, dense shade tree. Large 3- to 5-lobed leaves are 6 to 15 inches wide. Small yellow flowers in drooping clusters in April and May. Yellow fall color.  |
| <input type="checkbox"/>                  | Great fall colors. Does not perform well in compacted or restricted areas.  |
| <input type="checkbox"/>                  | Drought tolerant  |
| <input type="checkbox"/>                  | Blue green needles, fragrant  |
| <input type="checkbox"/>                  | Drought tolerant, attractive bark, weeping cultivar 'pendula' available   |
| <input type="checkbox"/>                  | Attractive bark, susceptible to spider mites  |
| <input type="checkbox"/>                  | Gray-barked branches grow in horizontal pattern. Oval 3- to 5-inch leaves are rich green above, grayish underneath. Yellow, pink + orange fall colors. Red to orange-red fruit forms in button-like clusters in fall. |
| <input type="checkbox"/>                  | Dove-like flowers   |
| <input type="checkbox"/>                  | Slow growing; striking gray bark  |
| <input type="checkbox"/>                  | Beautiful bark  |
| <input type="checkbox"/>                  | Light green leaves, 6-12 inches long. Will grow in standing water during winter months. Needs no dry-season water.  |
| <input type="checkbox"/>                  | Deciduous conifer, looks like a redwood in summer   |
| <input type="checkbox"/>                  | Good windbreak  |
| <input type="checkbox"/>                  | Susceptible to spruce budworm   |
| <input type="checkbox"/>                  | Blue-green needles  |
| <input type="checkbox"/>                  | Needs ample water   |
| <input type="checkbox"/>                  | Spreading nature, often with multiple trunks, attractive bark   |
| <input type="checkbox"/>                  |   |
| <input type="checkbox"/>                  | Medium green needles  |
| <input type="checkbox"/>                  | Drought tolerant  |
| <input type="checkbox"/>                  | Dark green needles  |
| <input type="checkbox"/>                  | Dense foliage, narrow crown, slow growing   |
| <input type="checkbox"/>                  | Large-needled evergreen. Thick bark has a reddish color + develops attractive dark furrows with age. Needles grow in clusters of three. Produces a cone 3-6 inches long.  |
| <input type="checkbox"/>                  | Narrow form, plant in groups to create a hedge  |
| <input type="checkbox"/>                  | Irregular shape   |
| <input type="checkbox"/>                  | Dwarf pine, slow growing  |



# STREET TREE LIST - APPROVED SPECIES

FORMS



GLOBE



NARROW COLUMN



OVAL



PYRAMID



UMBRELLA



VASE

All measurements are in feet

| COMMON NAME       | BOTANICAL NAME                  | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------|---------------------------------|---------------|---------------|---------------------------|-----------|
| Douglas Fir       | <i>Pseudotsuga menziesii</i>    | 100           | 60            | 10                        | Pyramidal |
| Oregon White Oak  | <i>Quercus garryana</i>         | 65            | 45            | 10                        | Globe     |
| Pin Oak           | <i>Quercus palustris</i>        | 65            | 30            | 10                        | Globe     |
| Coast Redwood     | <i>Sequoia sempervirens</i>     | 100           | 60            | 10                        | Pyramidal |
| Giant Sequoia     | <i>Sequoiadendron giganteum</i> | 100           | 40            | 10                        | Pyramidal |
| Western Red Cedar | <i>Thuja plicata</i>            | 100           | 30            | 10                        | Pyramidal |
| Western Hemlock   | <i>Tsuga heterophylla</i>       | 100           | 40            | 10                        | Pyramidal |
| Lacebark Elm      | <i>Ulmus parvifolia</i>         | 60            | 50            | 10                        | Umbrella  |
| Oregon Myrtle     | <i>Umbellularia californica</i> | 30            | 40            | 10                        | Oval      |



Oregon oaks (right) are large, globe-shaped native trees.



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| COMPATIBLE WITH OVERHEAD WIRES | REMARKS  |
|--------------------------------|--|
| ☐                              | Bark smooth + gray when young, becoming thick, furrowed, black to reddish-brown when mature. Flat, evergreen, linear needles one-inch long. Cones have distinctive 3-pointed bracts. Plant away from clear vision areas. |
| ☐                              | Slow to moderate growth. Branches often twisted. Summer irrigation not beneficial.   |
| ☐                              | Leaves hang on the tree in fall  |
| ☐                              | Generally considered the world's tallest tree. Soft small evergreen needles, very small cones, red bark. Plant away from vision sensitive areas.   |
| ☐                              | Largest living organism on earth, long-lived   |
| ☐                              | Evergreen. Thrives in moist conditions. Stringy reddish bark. Trunk is wide + fluted at bottom. High relocate success.   |
| ☐                              | Feathery evergreen foliage. Small light-brown cones are produced in great quantities. Prefers full sun to full shade + moist to seasonally wet soil.   |
| ☐                              | Interesting mottled bark   |
| ☐                              |  |

Right: The Douglas fir is a tall, pyramid-shaped native tree  
 Below: Douglas fir cone





# PARKING TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME                   | BOTANICAL NAME                             | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------------------|--|---------------|---------------|---------------------------|-----------|
| Halka™ Honeylocust            | <i>Gleditsia triacanthos 'Christie'</i>    | 55            | 40            | 4                         | Globe     |
| Honeylocust Shademaster       | <i>Gleditsia triacanthos Shademaster</i>   | 45            | 35            | 4                         | Vase      |
| Skyline™ Honeylocust          | <i>Gleditsia triacanthos 'Skycole'</i>     | 45            | 35            | 4                         | Pyramidal |
| Sterling Silver Linden        | <i>Tilia tomentosa 'Sterling'</i>          | 45            | 35            | 4                         | Pyramidal |
| Lacebark Elm Allee            | <i>Ulmus parvifolia</i>                    | 60            | 50            | 4                         | Umbrella  |
| Sycamore Maple                | <i>Acer pseudoplatanus</i>                 | 50            | 40            | 6                         | Oval      |
| Brandywine Maple              | <i>Acer rubrum 'Brandywine'</i>            | 40            | 35            | 6                         | Oval      |
| Embers Red Maple              | <i>Acer rubrum 'Embers'</i>                | 40            | 35            | 6                         | Globe     |
| Red Sunset Maple              | <i>Acer rubrum 'Franksred'</i>             | 45            | 35            | 6                         | Oval      |
| Morgan Maple                  | <i>Acer rubrum 'Morgan'</i>                | 45            | 40            | 6                         | Oval      |
| Northwood Maple               | <i>Acer rubrum 'Northwood'</i>             | 40            | 35            | 6                         | Oval      |
| October Glory™ Maple          | <i>Acer rubrum 'October Glory'™</i>        | 40            | 35            | 6                         | Oval      |
| Schlesinger Maple             | <i>Acer rubrum 'Schlesingeri'</i>          | 45            | 35            | 6                         | Vase      |
| Sun Valley Maple              | <i>Acer rubrum 'Sun Valley'</i>            | 40            | 35            | 6                         | Oval      |
| Scarlet Sentinel <sup>®</sup> | <i>Acer rubrum 'Scarscen'</i>              | 40            | 20            | 6                         | Oval      |
| Redpointe <sup>®</sup>        | <i>Acer rubrum 'Frank Jr.'</i>             | 45            | 30            | 6                         | Pyramidal |
| Autumn Flame Red Maple        | <i>Acer rubrum 'Autumn Flame'</i>          | 50            | 40            | 6                         | Oval      |
| October Glory Red Maple       | <i>Acer rubrum 'October Glory'</i>         | 45            | 45            | 6                         | Globe     |
| Green Mountain™ Maple         | <i>Acer saccharum 'Green Mountain'™</i>    | 45            | 35            | 6                         | Oval      |
| Magnifica Hackberry           | <i>Celtis occidentalis 'Magnifica'</i>     | 45            | 35            | 6                         | Oval      |
| White Ash                     | <i>Fraxinus americana</i>                  | 60            | 45            | 6                         | Globe     |
| Autumn Purple™ Ash            | <i>Fraxinus americana 'Autumn Purple'™</i> | 45            | 40            | 6                         | Globe     |
| Patmore Ash                   | <i>Fraxinus pennsylvanica 'Patmore'</i>    | 45            | 35            | 6                         | Vase      |
| Autumn Gold Ginkgo            | <i>Ginkgo biloba 'Autumn Gold'</i>         | 45            | 35            | 6                         | Globe     |
| Halka Ginkgo                  | <i>Ginkgo biloba 'Halka'</i>               | 45            | 40            | 6                         | Globe     |
| Presidential Gold Ginkgo      | <i>Ginkgo biloba 'The President'</i>       | 50            | 40            | 6                         | Globe     |
| Fruitless Mulberry            | <i>Morus alba</i>                          | 35            | 40            | 6                         | Globe     |
| Sawtooth Oak                  | <i>Quercus acutissima</i>                  | 40            | 40            | 6                         | Umbrella  |
| Scarlet Oak                   | <i>Quercus coccinea</i>                    | 50            | 40            | 6                         | Oval      |
| Shumard Oak                   | <i>Quercus shumardii</i>                   | 50            | 40            | 6                         | Oval      |
| Crimean Linden                | <i>Tilia x euclora</i>                     | 40            | 35            | 6                         | Pyramidal |
| Triumph™ Elm                  | <i>Ulmus 'Morton Glossy'</i>               | 70            | 60            | 6                         | Oval      |
| Accolade™ Elm                 | <i>Ulmus japonica x wilsonia</i>           | 70            | 60            | 6                         | Vase      |



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*A parking lot tree is a tree that was approved as part of a parking lot plan.*

| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Green foliage. Yellow fall color.  |
| ☐   | Thornless, tolerant of urban stresses  |
| ☐   | Upright spreading branches + finely textured medium green foliage. Golden fall color. Good environmental tolerance.  |
| ☐   | Broadly pyramidal, neat + symmetrical. Green leaves are silver-gray underneath. Yellow fall color. Fast growing.   |
| ☐   | Interesting mottled bark   |
| ☐   | Green foliage. Yellow fall color.  |
| ☐   | Introduced by the National Arboretum. Cross of October Glory™ and Autumn Flame. Deep red fall color ten days later than most red maples.                   |
| ☐   | Green foliage. Bright red fall color.  |
| ☐   | Dark green glossy foliage. Brilliant orange red to red fall color. Developed in Gresham by J. Frank Schmidt Nursery.                                       |
| ☐   | Medium green foliage. Orange-red to red fall color.  |
| ☐   | Medium to dark green foliage. Reddish fall color.  |
| ☐   | Medium green foliage. Red purple fall color.   |
| ☐   | Medium green foliage. Orange to orange red fall color.   |
| ☐   | U. S. Arboretum introduction. A hybrid between Red Sunset and Autumn Flame. Oval, symmetrical, densely branched, seedless. Reliably bright red fall color. |
| ☐   | Upright. Dark green foliage. Orange-red fall color.  |
| ☐   | Dark green foliage with bright red fall color.   |
| ☐   | Fall color, many varieties such as 'Armstrong', 'Bowhall', 'Franks Red', 'Morgan', & 'Scarsen'   |
| ☐   | Attractive bark, red or orange fall color, provide good drainage in clay soil  |
| ☐   | Dark green foliage. Reddish orange to red fall color.  |
| ☐   | Very urban tolerant; rarely lifts sidewalks  |
| ☐   | Plant seedless varieties   |
| ☐   | Rounded shape. Green heavily textured foliage. Reddish purple fall color. Seedless.  |
| ☐   | Symmetrical upright branches. Dark green glossy foliage. Yellow fall color.  |
| ☐   | Narrow form in youth broadens with age. Medium green foliage. Striking golden yellow fall color is characteristic of this seedless clone. Male only.       |
| ☐   | Uniform + symmetrical branching  |
| ☐   | Dense upright crown. Bright yellow fall color.   |
| ☐   | Fruitless  |
| ☐   | Bronze fall color or no change   |
| ☐   | Oval, open in habit. Bright green foliage. Scarlet fall color.   |
| ☐   | Thrives in areas with poor drainage, attracts wildlife   |
| ☐   | Glossy foliage; yellow in fall   |
| ☐   | Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.  |
| ☐   | Arching limbs. Glossy dark green foliage. Yellow fall color. Resistant to elm leaf beetle + Dutch elm disease.   |



# PARKING TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME             | BOTANICAL NAME                               | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------------|--|---------------|---------------|---------------------------|-----------|
| Patriot Elm             | <i>Ulmus 'Patriot'</i>                       | 50            | 40            | 6                         | Vase      |
| Zelkova                 | <i>Zelkova serrata</i>                       | 65            | 50            | 6                         | Oval      |
| Green Vase™ Zelkova     | <i>Zelkova serrata 'Green Vase'™</i>         | 50            | 40            | 6                         | Vase      |
| Village Green Zelkova   | <i>Zelkova serrata 'Village Green'</i>       | 50            | 40            | 6                         | Vase      |
| Red Maple               | <i>Acer rubrum</i>                           | 50            | 45            | 8                         | Globe     |
| Sugar Maple             | <i>Acer saccharum</i>                        | 100           | 50            | 8                         | Oval      |
| Bonfire Maple           | <i>Acer saccharum 'Bonfire'</i>              | 50            | 40            | 8                         | Globe     |
| Commemoration Maple     | <i>Acer saccharum 'Commemoration'</i>        | 50            | 35            | 8                         | Oval      |
| Legacy Maple            | <i>Acer saccharum 'Legacy'</i>               | 50            | 35            | 8                         | Oval      |
| Canoe or Paper Birch    | <i>Betula papyrifera</i>                     | 50            | 35            | 8                         | Oval      |
| Rivers Purple Beech     | <i>Fagus sylvatica 'Riversii'</i>            | 50            | 40            | 8                         | Oval      |
| American Beech          | <i>Fagus grandifolia</i>                     | 50            | 40            | 8                         | Oval      |
| European Beech          | <i>Fagus sylvatica</i>                       | 50            | 40            | 8                         | Oval      |
| Purple Rivers Beech     | <i>Fagus sylvatica 'Riversii'</i>            | 60            | 40            | 8                         | Oval      |
| Green Ash               | <i>Fraxinus pennsylvanica</i>                | 50            | 40            | 8                         | Oval      |
| Urbanite Ash            | <i>Fraxinus pennsylvanica 'Urbanite'</i>     | 50            | 40            | 8                         | Pyramidal |
| Kentucky Coffeetree     | <i>Gymnocladus dioica</i>                    | 70            | 40            | 8                         | Globe     |
| Tulip Tree              | <i>Liriodendron tulipifera</i>               | 80            | 35            | 8                         | Oval      |
| Emerald City Tulip Tree | <i>Liriodendron tulipifera 'JFS-OZ'</i>      | 55            | 25            | 8                         | Oval      |
| London Planetree        | <i>Platanus x acerifolia 'Bloodgood'</i>     | 50            | 40            | 8                         | Pyramidal |
| Exclamation™            | <i>Platanus x acerifolia 'Morton Circle'</i> | 50            | 25            | 8                         | Pyramidal |
| Red Oak                 | <i>Quercus rubra</i>                         | 65            | 50            | 8                         | Globe     |
| Shingle Oak             | <i>Quercus imbricaria</i>                    | 50            | 40            | 8                         | Oval      |
| Bur Oak                 | <i>Quercus macrocarpa</i>                    | 65            | 50            | 8                         | Oval      |
| Willow Oak              | <i>Quercus phellos</i>                       | 60            | 45            | 8                         | Pyramidal |
| English Oak             | <i>Quercus robur</i>                         | 50            | 40            | 8                         | Globe     |
| Bigleaf Maple           | <i>Acer macrophyllum</i>                     | 70            | 60            | 10                        | Globe     |
| Oregon White Oak        | <i>Quercus garryana</i>                      | 65            | 45            | 10                        | Globe     |



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✗ = Not okay to plant under overhead utility lines

*A parking lot tree is a tree that was approved as part of a parking lot plan.*

| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| <input type="checkbox"/>                  | Substitute for American elm due pest + disease resistance  |
| <input type="checkbox"/>                  | Attractive shade tree  |
| <input type="checkbox"/>                  | Vase shape with upright arching branches in habit. Green foliage. Orange fall color.   |
| <input type="checkbox"/>                  | Orange-brown to bronze-red fall color  |
| <input type="checkbox"/>                  | Leaves are medium to dark green, becoming orange or red in fall.   |
| <input type="checkbox"/>                  | Great fall colors. Does not perform well in compacted or restricted areas.   |
| <input type="checkbox"/>                  | Fast growing; orange-red in fall   |
| <input type="checkbox"/>                  | Fast growing; develops good caliper as a young tree  |
| <input type="checkbox"/>                  | Glossy leaves; orange-red in fall  |
| <input type="checkbox"/>                  | Dark green foliage. Yellow fall color. The most permanent of the birches.  |
| <input type="checkbox"/>                  | Deep purple foliage with no change in fall, attractive bark  |
| <input type="checkbox"/>                  | Slow growing; striking grey bark   |
| <input type="checkbox"/>                  | Beautiful bark   |
| <input type="checkbox"/>                  | Oval in habit. Deep purple foliage. Bronze fall color.   |
| <input type="checkbox"/>                  | Plant seedless varieties   |
| <input type="checkbox"/>                  | Pyramidal with lustrous dark green foliage. Bronze in fall.  |
| <input type="checkbox"/>                  | Green foliage.   |
| <input type="checkbox"/>                  | Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.  |
| <input type="checkbox"/>                  | Deep green glossy leaves. Yellow fall color. Flowering.  |
| <input type="checkbox"/>                  | Broadly pyramidal. Shedding bark produces mottled brown + cream pattern. This variety is more resistant to anthracnose than species.   |
| <input type="checkbox"/>                  | Uniform and upright. Green-yellow fall color.  |
| <input type="checkbox"/>                  | Round in habit. Green foliage. Red fall color.   |
| <input type="checkbox"/>                  | Transplants readily; beautiful summer foliage  |
| <input type="checkbox"/>                  | Upright crown becomes round + spreading with maturity, attracts wildlife   |
| <input type="checkbox"/>                  | Tolerant of urban stresses   |
| <input type="checkbox"/>                  | Sturdy + adaptable tree with broad + rounded habit. Deep green foliage with yellow-brown fall color.   |
| <input type="checkbox"/>                  | Broad-topped, dense shade tree. Perimeter only. Large 3- to 5-lobed leaves are 6 to 15 inches wide. Small yellow flowers in drooping clusters in April + May. Yellow fall color. |
| <input type="checkbox"/>                  | Slow to moderate growth. Branches often twisted. Summer irrigation not beneficial.   |



# BUFFER TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME                 | BOTANICAL NAME   | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-----------------------------|--|---------------|---------------|---------------------------|-----------|
| Flame Maple                 | <i>Acer ginnala 'Flame'</i>                            | 20            | 20            | 3                         | Oval      |
| Sango Kaku Japanese Maple   | <i>Acer palmatum 'Sango Kaku'</i>                      | 18            | 14            | 3                         | Umbrella  |
| Roughbark Maple             | <i>Acer triflorum</i>                                  | 20            | 20            | 3                         | Globe     |
| Western Serviceberry        | <i>Amelanchier alnifolia</i>                           | 20            | 20            | 3                         | Oval      |
| Flowering Dogwood           | <i>Cornus florida</i>                                  | 25            | 25            | 3                         | Vase      |
| Kousa Dogwood               | <i>Cornus kousa</i>                                    | 25            | 25            | 3                         | Globe     |
| Cornelian Cherry Dogwood    | <i>Cornus mas</i>                                      | 20            | 20            | 3                         | Umbrella  |
| Grace Smoketree             | <i>Cotinus coggygria x obovatus 'Grace'</i>            | 20            | 15            | 3                         | Globe     |
| American Smoketree          | <i>Cotinus obovatus</i>                                | 30            | 30            | 3                         | Globe     |
| Black Hawthorne             | <i>Crataegus douglasii</i>                             | 25            | 20            | 3                         | Oval      |
| Wedding Bells Silverbell    | <i>Halesia carolina 'Wedding Bells'</i>                | 20            | 15            | 3                         | Oval      |
| Columnar Goldenchain        | <i>Laburnum anagyroides 'Columnaris'</i>               | 20            | 10            | 3                         | Vase      |
| Southern Magnolia           | <i>Magnolia grandiflora 'Victoria' or 'Little Gem'</i> | 25            | 25            | 3                         | Globe     |
| Merrill Magnolia            | <i>Magnolia x loebneri 'Merrill'</i>                   | 25            | 25            | 3                         | Pyramidal |
| Centurion Crabapple         | <i>Malus 'Centurion'</i>                               | 20            | 15            | 3                         | Oval      |
| Marilee Crabapple           | <i>Malus 'Jarmin'</i>                                  | 24            | 10            | 3                         | Oval      |
| Prairiefire Crabapple       | <i>Malus 'Prairie Fire'</i>                            | 20            | 20            | 3                         | Pyramidal |
| Purple Prince Crabapple     | <i>Malus 'Purple Prince'</i>                           | 20            | 20            | 3                         | Globe     |
| Red Barron Crabapple        | <i>Malus 'Red Barron'</i>                              | 18            | 8             | 3                         | Columnar  |
| Chinese Pistache            | <i>Pistachia chinensis</i>                             | 25            | 25            | 3                         | Globe     |
| Tall Stewartia              | <i>Stewartia montadelpha</i>                           | 25            | 20            | 3                         | Globe     |
| Japanese Stewartia          | <i>Stewartia pseudocamellia</i>                        | 25            | 25            | 3                         | Umbrella  |
| Japanese Snowbell           | <i>Styrax japonicus</i>                                | 25            | 25            | 3                         | Globe     |
| Fragrant Snowbell Tree      | <i>Styrax obassia</i>                                  | 35            | 25            | 3                         | Globe     |
| Queen Elizabeth™ Maple      | <i>Acer campestre 'Evelyn'</i>                         | 35            | 30            | 4                         | Oval      |
| David's Maple               | <i>Acer davidii</i>                                    | 25            | 25            | 4                         | Globe     |
| Amur Maple                  | <i>Acer ginnala</i>                                    | 20            | 20            | 4                         | Globe     |
| Henry Maple                 | <i>Acer henryi</i>                                     | 25            | 25            | 4                         | Globe     |
| Red Sunset Red Maple        | <i>Acer rubrum 'Red Sunset'</i>                        | 45            | 30            | 4                         | Columnar  |
| Keithsform Sunset Maple     | <i>Acer truncatum x A. platanooides 'Keithsform'</i>   | 35            | 25            | 4                         | Oval      |
| Jacquemontii Birch          | <i>Betula utilis var. jacquemontii</i>                 | 40            | 30            | 4                         | Oval      |
| European Hornbeam           | <i>Carpinus betulus</i>                                | 35            | 25            | 4                         | Globe     |
| Pyramidal European Hornbeam | <i>Carpinus betulus 'Fastigiata'</i>                   | 40            | 25            | 4                         | Oval      |
| Frans Fontaine Hornbeam     | <i>Carpinus betulus 'Frans Fontaine'</i>               | 40            | 30            | 4                         | Columnar  |
| Japanese Hornbeam           | <i>Carpinus japonica</i>                               | 25            | 25            | 4                         | Globe     |
| Chinese Fringetree          | <i>Chionanthus retusus</i>                             | 25            | 25            | 4                         | Globe     |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| <input type="checkbox"/>                  | Fall color, early to leaf out in spring, fragrant flowers  |
| <input type="checkbox"/>                  | Upright habit with bright medium green foliage + gold fall color.  |
| <input type="checkbox"/>                  | Fall color, textured bark  |
| <input type="checkbox"/>                  | Large number of varieties available  |
| <input type="checkbox"/>                  | Shade tolerant   |
| <input type="checkbox"/>                  | Gold or red in fall, resistant to verticillium   |
| <input type="checkbox"/>                  | Outstanding summer + fall color  |
| <input type="checkbox"/>                  | Tolerant of hot + dry sites, attractive fall color, purple flower clusters   |
| <input type="checkbox"/>                  | Native to Portland metro region, has thorns  |
| <input type="checkbox"/>                  | White bell-shaped flowers, yellow fall foliage   |
| <input type="checkbox"/>                  | Dense clusters of bright yellow flowers in spring  |
| <input type="checkbox"/>                  | Large fragrant white flowers   |
| <input type="checkbox"/>                  | Fragrant white flowers   |
| <input type="checkbox"/>                  | Purple to bronze foliage in summer. Flower is rose-red. Bright red fruit.  |
| <input type="checkbox"/>                  | Pink buds open to white blooms, generally fruitless, narrow crown  |
| <input type="checkbox"/>                  | Purple to reddish green foliage. Excellent disease resistance. Long lasting pinkish red flowers + small red fruit. |
| <input type="checkbox"/>                  | Purple bronze foliage, rose red flower   |
| <input type="checkbox"/>                  | Columnar habit. Reddish-purple leaves becoming bronze-green. Dark red flower. Dark red, 1/2" fruit.                |
| <input type="checkbox"/>                  | Impressive red-orange fall color, attracts wildlife  |
| <input type="checkbox"/>                  |  |
| <input type="checkbox"/>                  | Needs ample water  |
| <input type="checkbox"/>                  | Covered in June with pure white, bell-shaped flowers. Beautiful small tree.  |
| <input type="checkbox"/>                  | Slender tree with very large leaves that are dull, fuzzy + rounded. Drooping white flower clusters 4-8" long.      |
| <input type="checkbox"/>                  | Dark green foliage. Yellow fall color.   |
| <input type="checkbox"/>                  | Fall color, attractive striped bark  |
| <input type="checkbox"/>                  | Green foliage turns yellow, orange or red in fall.   |
| <input type="checkbox"/>                  | Trifoliate, green with a bronze tint in spring; red in fall  |
| <input type="checkbox"/>                  | Attractive bark, red or orange fall color, provide good drainage in clay soil                                      |
| <input type="checkbox"/>                  | Oval with dark green foliage + yellow-orange to red fall color. Nice branch structure.                             |
| <input type="checkbox"/>                  | Glossy, dark green leaves turn yellow in fall. Very white bark.  |
| <input type="checkbox"/>                  | Dense crown  |
| <input type="checkbox"/>                  | Dark green foliage turns yellow in fall.   |
| <input type="checkbox"/>                  | Provides good screening, attractive fall color   |
| <input type="checkbox"/>                  | Attractive foliage, usually trouble free   |
| <input type="checkbox"/>                  | Showy flower, fruit attracts birds, generally requires little maintenance  |



# BUFFER TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME                 | BOTANICAL NAME                              | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-----------------------------|---|---------------|---------------|---------------------------|-----------|
| American Yellowwood         | <i>Cladrastis kentuckia</i>                 | 35            | 35            | 4                         | Globe     |
| Glorybower Tree             | <i>Clerodendrum trichotomum</i>             | 20            | 20            | 4                         | Globe     |
| Giant Dogwood               | <i>Cornus controversa</i>                   | 30            | 40            | 4                         | Vase      |
| June Snow Dogwood           | <i>Cornus controversa 'June Snow'</i>       | 30            | 35            | 4                         | Vase      |
| Chinese Dogwood             | <i>Cornus kousa 'Chinensis'</i>             | 25            | 25            | 4                         | Globe     |
| National Chinese Dogwood    | <i>Cornus kousa 'National'</i>              | 25            | 25            | 4                         | Vase      |
| Thornless Cockspur Hawthorn | <i>Crataegus crus-galli</i>                 | 25            | 25            | 4                         | Globe     |
| Purple Fountain Beech       | <i>Fagus sylvatica 'Purple Fountain'</i>    | 25            | 15            | 4                         | Columnar  |
| Autumn Applause Ash         | <i>Fraxinus americana 'Autumn Applause'</i> | 40            | 25            | 4                         | Oval      |
| Autumn Purple Ash           | <i>Fraxinus americana 'Junginger'</i>       | 45            | 40            | 4                         | Globe     |
| Summit Ash                  | <i>Fraxinus pennsylvanica 'Summit'</i>      | 45            | 25            | 4                         | Pyramidal |
| Skyline™ Honeylocust        | <i>Gleditsia triacanthos 'Skycole'</i>      | 45            | 35            | 4                         | Pyramidal |
| Western Juniper             | <i>Juniperus occidentalis</i>               | 30            | 50            | 4                         | Globe     |
| Goldenrain Tree             | <i>Koelreuteria paniculata</i>              | 35            | 35            | 4                         | Globe     |
| Kobus Magnolia              | <i>Magnolia kobus</i>                       | 40            | 30            | 4                         | Globe     |
| Robinson Crabapple          | <i>Malus 'Robinson'</i>                     | 25            | 25            | 4                         | Globe     |
| Sugar Tyme Crabapple        | <i>Malus 'Sutyzam'</i>                      | 18            | 15            | 4                         | Oval      |
| American Hophornbeam        | <i>Ostrya virginiana</i>                    | 35            | 25            | 4                         | Oval      |
| Persian Parrotia            | <i>Parrotia persica</i>                     | 35            | 20            | 4                         | Pyramidal |
| Cherry Plum                 | <i>Prunus cerasifera</i>                    | 20            | 20            | 4                         | Globe     |
| Shiro Plum Semi-Dwarf       | <i>Prunus salicina</i>                      | 25            | 25            | 4                         | Oval      |
| Aristocrat Pear             | <i>Pyrus calleryana 'Aristocrat'</i>        | 40            | 28            | 4                         | Pyramidal |
| Autumn Blaze Pear           | <i>Pyrus calleryana 'Autumn Blaze'</i>      | 30            | 25            | 4                         | Globe     |
| Redspire Pear               | <i>Pyrus calleryana 'Redspire'</i>          | 35            | 25            | 4                         | Pyramidal |
| Forest Green™ Oak           | <i>Quercus frainetto 'Schmidt'</i>          | 50            | 30            | 4                         | Columnar  |
| Cascara                     | <i>Rhamnus purshiana</i>                    | 35            | 25            | 4                         | Globe     |
| Sterling Silver Linden      | <i>Tilia tomentosa 'Sterling'</i>           | 45            | 35            | 4                         | Pyramidal |
| Emerald Sunshine Elm        | <i>Ulmus propinqua 'JFS-Bieberich'</i>      | 35            | 25            | 4                         | Vase      |
| Noble Fir                   | <i>Abies procera</i>                        | 50            | 20            | 6                         | Pyramidal |
| State Street™ Maple         | <i>Acer miyabei 'Morton'</i>                | 45            | 30            | 6                         | Oval      |
| Sycamore Maple              | <i>Acer pseudoplatanus</i>                  | 50            | 40            | 6                         | Oval      |
| Wineleaf Sycamore Maple     | <i>Acer pseudoplatanus 'Spaethii'</i>       | 40            | 30            | 6                         | Pyramidal |
| Brandywine Maple            | <i>Acer rubrum 'Brandywine'</i>             | 40            | 35            | 6                         | Oval      |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS   |
|---|---|
| <input type="checkbox"/>                  | Fragrant, white, pendulous flower clusters. Yellow to bright green foliage. Orange yellow fall color.                                     |
| <input type="checkbox"/>                  | Dark green leaves. Fragrant white flower clusters + blue-green fruit.   |
| <input type="checkbox"/>                  | Large white flowers; red fall color, fast growing   |
| <input type="checkbox"/>                  | Wide spreading, flowers in May/June   |
| <input type="checkbox"/>                  | Dark green foliage becomes red in fall. White flower + pinkish-red fruit.   |
| <input type="checkbox"/>                  | Red, gold, or multi-colored in fall, resistant to verticillium  |
| <input type="checkbox"/>                  | No thorns; orange fall color  |
| <input type="checkbox"/>                  | Weeping foliage is deep purple with no change in fall   |
| <input type="checkbox"/>                  | Oval, compact form with green foliage turning purple in fall. Seedless.   |
| <input type="checkbox"/>                  | Fall color, this is a seedless ash variety  |
| <input type="checkbox"/>                  | Pyramidal in habit. Medium green foliage. Yellow fall color.  |
| <input type="checkbox"/>                  | Upright spreading branches + finely textured medium green foliage. Golden fall color. Good environmental tolerance.                       |
| <input type="checkbox"/>                  |   |
| <input type="checkbox"/>                  | Tolerant of urban stresses  |
| <input type="checkbox"/>                  | Green leaves. White flowers.  |
| <input type="checkbox"/>                  | Fast growing; pink flowers; red fruit   |
| <input type="checkbox"/>                  | Pink buds; white flower   |
| <input type="checkbox"/>                  | Medium green foliage. Yellow fall color.  |
| <input type="checkbox"/>                  | Low-branching, broadly pyramidal to rounded tree with unusual form + texture. Flowers have showy red stamens + fall color is excellent.   |
| <input type="checkbox"/>                  | Light pink flowers; purple leaves   |
| <input type="checkbox"/>                  | Large fruit, showy white flower   |
| <input type="checkbox"/>                  | Narrow, dark, glossy green leaves. White flowers. Storm resistant + informal appearance.  |
| <input type="checkbox"/>                  | Rounded shape with spreading branches. Foliage emerges with a red tint + matures to glossy green. White flowers. Purplish-red fall color. |
| <input type="checkbox"/>                  | Pyramidal, dense + symmetrical with medium green, glossy foliage turning yellow to red in fall. Abundant white flowers.                   |
| <input type="checkbox"/>                  | Glossy deep green foliage.  |
| <input type="checkbox"/>                  |   |
| <input type="checkbox"/>                  | Broadly pyramidal, neat + symmetrical. Green leaves are silver-gray underneath. Yellow fall color. Fast growing.                          |
| <input type="checkbox"/>                  | Yellow fall color with purple tips, strong upright structure  |
| <input type="checkbox"/>                  | Also called red fir and Christmastree. Needles turn upward exposing lower branches.   |
| <input type="checkbox"/>                  | Dark green foliage. Yellow fall color.  |
| <input type="checkbox"/>                  | Green foliage. Yellow fall color.   |
| <input type="checkbox"/>                  | Dark green foliage  |
| <input type="checkbox"/>                  | Introduced by the National Arboretum. Cross of October Glory™ + Autumn Flame. Deep red fall color ten days later than most red maples.    |



# BUFFER TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME             | BOTANICAL NAME   | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-------------------------|--|---------------|---------------|---------------------------|-----------|
| Embers Red Maple        | <i>Acer rubrum 'Embers'</i>                            | 40            | 35            | 6                         | Globe     |
| Red Sunset Maple        | <i>Acer rubrum 'Franksred'</i>                         | 45            | 35            | 6                         | Oval      |
| Morgan Maple            | <i>Acer rubrum 'Morgan'</i>                            | 45            | 40            | 6                         | Oval      |
| Northwood Maple         | <i>Acer rubrum 'Northwood'</i>                         | 40            | 35            | 6                         | Oval      |
| October Glory™ Maple    | <i>Acer rubrum 'October Glory'™</i>                    | 40            | 35            | 6                         | Oval      |
| Schlesinger Maple       | <i>Acer rubrum 'Schlesingeri'</i>                      | 45            | 35            | 6                         | Vase      |
| Sun Valley Maple        | <i>Acer rubrum 'Sun Valley'</i>                        | 40            | 35            | 6                         | Oval      |
| Autumn Flame Red Maple  | <i>Acer rubrum 'Autumn Flame'</i>                      | 50            | 40            | 6                         | Oval      |
| October Glory Red Maple | <i>Acer rubrum 'October Glory'</i>                     | 45            | 45            | 6                         | Globe     |
| Redpointe Maple         | <i>Acer rubrum 'Redpointe'</i>                         | 45            | 30            | 6                         | Pyramidal |
| Green Mountain™ Maple   | <i>Acer saccharum 'Green Mountain'™</i>                | 45            | 35            | 6                         | Oval      |
| Pacific Sunset Maple    | <i>Acer truncatum x A. platanoides 'Warrenred'</i>     | 30            | 25            | 6                         | Globe     |
| Sunset Maple            | <i>Acer truncatum x Acer platanoides</i>               | 35            | 25            | 6                         | Globe     |
| Norwegian Sunset Maple  | <i>Acer truncatum x platanoides 'Norwegian Sunset'</i> | 35            | 25            | 6                         | Oval      |
| Autumn Blaze Maple      | <i>Acer x freemanii 'Jeffersred'</i>                   | 50            | 30            | 6                         | Columnar  |
| Red Horse Chestnut      | <i>Aesculus x carnea</i>                               | 30            | 35            | 6                         | Globe     |
| Hackberry               | <i>Celtis occidentalis</i>                             | 40            | 30            | 6                         | Globe     |
| Magnifica Hackberry     | <i>Celtis occidentalis 'Magnifica'</i>                 | 45            | 35            | 6                         | Oval      |
| Katsura                 | <i>Cercidiphyllum japonicum</i>                        | 40            | 35            | 6                         | Pyramidal |
| Eastern Redbud          | <i>Cercis canadensis</i>                               | 25            | 30            | 6                         | Globe     |
| Nootka Cypress          | <i>Chmeacyparis nootkatensis</i>                       | 45            | 15            | 6                         | Pyramidal |
| Hinoki Cypress          | <i>Chmeacyparis obtuse</i>                             | 25            | 10            | 6                         | Pyramidal |
| Dove Tree               | <i>Davidia involucrata</i>                             | 35            | 30            | 6                         | Globe     |
| Tricolor Beech          | <i>Fagus sylvatica 'Roseo-marginata'</i>               | 35            | 25            | 6                         | Oval      |
| White Ash               | <i>Fraxinus americana</i>                              | 60            | 45            | 6                         | Globe     |
| Autumn Purple™ Ash      | <i>Fraxinus americana 'Autumn Purple'™</i>             | 45            | 40            | 6                         | Globe     |
| Empire Ash              | <i>Fraxinus americana 'Empire'</i>                     | 50            | 25            | 6                         | Columnar  |
| Raywood Ash             | <i>Fraxinus oxycarpa 'Raywood'</i>                     | 35            | 25            | 6                         | Oval      |
| Patmore Ash             | <i>Fraxinus pennsylvanica 'Patmore'</i>                | 45            | 35            | 6                         | Vase      |
| Autumn Gold Ginkgo      | <i>Ginkgo biloba 'Autumn Gold'</i>                     | 45            | 35            | 6                         | Globe     |
| Halka Ginkgo            | <i>Ginkgo biloba 'Halka'</i>                           | 45            | 40            | 6                         | Globe     |
| Saratoga Ginkgo         | <i>Ginkgo biloba 'Saratoga'</i>                        | 35            | 30            | 6                         | Globe     |
| Honeylocust             | <i>Gleditsia triacanthos var. inermis</i>              | 45            | 35            | 6                         | Globe     |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Green foliage. Bright red fall color.  |
| ☐   | Dark green glossy foliage. Brilliant orange red to red fall color. Developed in Gresham by J. Frank Schmidt Nursery.                                     |
| ☐   | Medium green foliage. Orange-red to red fall color.  |
| ☐   | Medium to dark green foliage. Reddish fall color.  |
| ☐   | Medium green foliage. Red purple fall color.   |
| ☐   | Medium green foliage. Orange to orange red fall color.   |
| ☐   | U. S. Arboretum introduction. A hybrid between Red Sunset + Autumn Flame. Oval, symmetrical, densely branched, seedless. Reliably bright red fall color. |
| ☐   | Fall color, many varieties such as 'Armstrong', 'Bowhall', 'Franks Red', 'Morgan', & 'Scarsen'   |
| ☐   | Attractive bark, red or orange fall color, provide good drainage in clay soil  |
| ☐   | Strong central leader; urban tolerant; bright red in fall  |
| ☐   | Dark green foliage. Reddish ornate to red fall color.  |
| ☑   | Dark green foliage becomes yellow, orange + red in fall.   |
| ☐   | Many varieties available   |
| ☐   | Uniform canopy; orange/red in fall   |
| ☐   | Good fall color. Established trees have some tolerance for drought conditions.   |
| ☑   | Long rosy cluster; small variety; spiky nuts   |
| ☐   | Round in habit. Bright green foliage. Yellow fall color.   |
| ☐   | Very urban tolerant; rarely lifts sidewalks  |
| ☐   | Blue-green foliage turning yellow or red in fall.  |
| ☑   | Dark green leaves turn yellow in fall. Pink flower. Very shade tolerant. May suffer damage in windstorms.  |
| ☐   | Slow growing and larger with age.  |
| ☐   | Attractive bark and susceptible to spider mites.   |
| ☐   | Dove-like flowers  |
| ☐   | Oval habit. Purple leaves have a rose-pink + cream border.   |
| ☐   | Plant seedless varieties   |
| ☐   | Rounded shape. Green heavily textured foliage. Reddish purple fall color. Seedless.  |
| ☐   | Unusually narrow upright fast growing. Medium green foliage. Rusty orange to purplish fall color. Seedless.  |
| ☐   | Oval with dense crown. Narrow green leaflets. Reddish purple fall color. Delicate fine-textured appearance.  |
| ☐   | Symmetrical upright branches. Dark green glossy foliage. Yellow fall color.  |
| ☐   | Narrow form in youth broadens with age. Medium green foliage. Striking golden yellow fall color is characteristic of this seedless clone. Male only.     |
| ☐   | Uniform + symmetrical branching  |
| ☐   | Extremely free of pests. Very tolerant of pollution + salt. Requires little maintenance. Slow growing + long lived. Yellow fall color. Male only.        |
| ☐   | Thornless, tolerant of urban stresses  |



# BUFFER TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME               | BOTANICAL NAME  | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|---------------------------|---|---------------|---------------|---------------------------|-----------|
| Halka™ Honeylocust        | <i>Gleditsia tricanthos</i> 'Christie'                | 55            | 40            | 6                         | Columnar  |
| Mountain Silverbells      | <i>Halesia monticola</i>                              | 40            | 25            | 6                         | Globe     |
| Fruitless Mulberry        | <i>Morus alba</i>                                     | 35            | 40            | 6                         | Globe     |
| European Hophornbeam      | <i>Ostrya carpinifolia</i>                            | 40            | 25            | 6                         | Globe     |
| Amur Corktree             | <i>Phellodendron amurense</i>                         | 40            | 30            | 6                         | Globe     |
| Akebono Flowering Cherry  | <i>Prunus x yedoensis</i> 'Akebono'                   | 25            | 25            | 6                         | Vase      |
| Yoshino Cherry            | <i>Prunus x yeodoensis</i>                            | 30            | 30            | 6                         | Umbrella  |
| Rancho Pear               | <i>Pyrus calleryana</i> 'Rancho'                      | 35            | 30            | 6                         | Columnar  |
| Trinity Pear              | <i>Pyrus calleryana</i> 'Trinity'                     | 30            | 25            | 6                         | Oval      |
| Sawtooth Oak              | <i>Quercus acutissima</i>                             | 40            | 40            | 6                         | Umbrella  |
| Swamp White Oak           | <i>Quercus bicolor</i>                                | 60            | 25            | 6                         | Globe     |
| Canyon Live Oak           | <i>Quercus chrysolepsis</i>                           | 60            | 45            | 6                         | Vase      |
| Scarlet Oak               | <i>Quercus coccinea</i>                               | 50            | 40            | 6                         | Oval      |
| Skymaster™ Oak            | <i>Quercus robur</i> 'Skymaster™'                     | 50            | 25            | 6                         | Oval      |
| Shumard Oak               | <i>Quercus shumardii</i>                              | 50            | 40            | 6                         | Oval      |
| Pacific Willow            | <i>Salix lucida ssp. lasiandra</i>                    | 40            | 30            | 6                         | Oval      |
| Pacific Yew               | <i>Taxus brevifolia</i>                               | 40            | 30            | 6                         | Oval      |
| American Linden           | <i>Tilia americana</i>                                | 60            | 30            | 6                         | Globe     |
| Continental Appeal Linden | <i>Tilia americana</i> 'Continental Appeal'           | 50            | 28            | 6                         | Oval      |
| Redmond Bigleaf Linden    | <i>Tilia americana x euchlora</i> 'Redmond'           | 35            | 25            | 6                         | Pyramidal |
| Greenspire™ Linden        | <i>Tilia cordata</i> 'Greenspire™'                    | 40            | 30            | 6                         | Pyramidal |
| Glenleven Linden          | <i>Tilia cordata</i> 'Glenleven'                      | 45            | 30            | 6                         | Pyramidal |
| Rancho Linden             | <i>Tilia cordata</i> 'Rancho'                         | 40            | 30            | 6                         | Vase      |
| Harvest Gold Linden       | <i>Tilia cordata x mongolica</i> 'Harvet Gold'        | 40            | 30            | 6                         | Pyramidal |
| Crimean Linden            | <i>Tilia x euchlora</i>                               | 40            | 35            | 6                         | Pyramidal |
| Triumph™ Elm              | <i>Ulmus</i> 'Morton Glossy'                          | 70            | 60            | 6                         | Oval      |
| Frontier Elm              | <i>Ulmus americana</i> 'Frontier'                     | 40            | 30            | 6                         | Globe     |
| Triumph Elm               | <i>Ulmus japonica x pumila x wilsoniana</i> 'Triumph' | 55            | 45            | 6                         | Vase      |
| Accolade™ Elm             | <i>Ulmus japonica x wilsonia</i>                      | 70            | 60            | 6                         | Vase      |
| Prospector Elm            | <i>Ulmus wilsoniana</i>                               | 40            | 30            | 6                         | Vase      |
| Patriot Elm               | <i>Ulmus</i> 'Patriot'                                | 50            | 40            | 6                         | Vase      |
| Oregon Myrtle             | <i>Umbellularia californica</i>                       | 30            | 40            | 6                         | Oval      |
| Zelkova                   | <i>Zelkova serrata</i>                                | 65            | 50            | 6                         | Oval      |
| Green Vase™ Zelkova       | <i>Zelkova serrata</i> 'Green Vase™'                  | 50            | 40            | 6                         | Vase      |
| Halka™ Zelkova            | <i>Zelkova serrata</i> 'Halka™'                       | 50            | 30            | 6                         | Vase      |



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*A buffer tree is a tree that was approved as part of a buffering and screening plan.*

| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS   |
|---|---|
| <input type="checkbox"/>                  | Green foliage. Yellow fall color.   |
| <input type="checkbox"/>                  | White bell shaped flowers; yellow fall color  |
| <input type="checkbox"/>                  | Fruitless   |
| <input type="checkbox"/>                  | Nutlets in hop-like bunches   |
| <input type="checkbox"/>                  | Fragrant leaves and fruit   |
| <input checked="" type="checkbox"/>       | Upright spreading with bright green foliage. Delicate pink flowers in spring. Yellowish fall color.                               |
| <input checked="" type="checkbox"/>       | Spreading in habit. Green foliage. Yellow fall color. White flowers with pink tint.   |
| <input type="checkbox"/>                  | Narrow upright. White flowers.  |
| <input checked="" type="checkbox"/>       | Glossy green foliage. Orange red fall color. White flowers.   |
| <input type="checkbox"/>                  | Bronze fall color or no change  |
| <input type="checkbox"/>                  | Upper + lower leaf surfaces contrast in color, attracts wildlife  |
| <input type="checkbox"/>                  | Hardy to USDA zone 7. Native to southwest Oregon, California, Nevada, Arizona.  |
| <input type="checkbox"/>                  | Oval, open in habit. Bright green foliage. Scarlet fall color.  |
| <input type="checkbox"/>                  | Dark green foliage. Yellow fall color.  |
| <input type="checkbox"/>                  | Thrives in areas with poor drainage, attracts wildlife  |
| <input type="checkbox"/>                  | Tallest native willow   |
| <input type="checkbox"/>                  | Drought tolerant  |
| <input type="checkbox"/>                  | Tolerant of urban stresses  |
| <input type="checkbox"/>                  |   |
| <input type="checkbox"/>                  | Light green foliage. Yellowish fall color.  |
| <input type="checkbox"/>                  | Symmetrical. Dark green foliage. Yellow fall color.   |
| <input type="checkbox"/>                  | Vigorous pyramidal. Medium green foliage. Yellow fall color. More informal than Greenspire™.                                      |
| <input type="checkbox"/>                  | Vigorous upright. Small leaves.   |
| <input type="checkbox"/>                  | Attractive bark, bright golden yellow fall color  |
| <input type="checkbox"/>                  | Glossy foliage; yellow in fall  |
| <input type="checkbox"/>                  | Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.   |
| <input type="checkbox"/>                  | Pest + disease resistant, substitute for American elm   |
| <input type="checkbox"/>                  |   |
| <input type="checkbox"/>                  | Vase shaped with arching limbs. Glossy dark green foliage. Yellow fall color. Resistant to elm leaf beetle and Dutch elm disease. |
| <input type="checkbox"/>                  | Substitute for American elm due pest and disease resistance   |
| <input type="checkbox"/>                  | Substitute for American elm due pest and disease resistance   |
| <input checked="" type="checkbox"/>       |   |
| <input type="checkbox"/>                  | Attractive shade tree   |
| <input type="checkbox"/>                  | Vase shape with upright arching branches in habit. Green foliage. Orange fall color.  |
| <input type="checkbox"/>                  | Upright vase shaped. Long arching branches, canopy similar to American elm. Medium green foliage. Yellow fall color.              |



# BUFFER TREE LIST - APPROVED SPECIES



All measurements are in feet

| COMMON NAME           | BOTANICAL NAME                               | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|-----------------------|--|---------------|---------------|---------------------------|-----------|
| Village Green Zelkova | <i>Zelkova serrata 'Village Green'</i>       | 50            | 40            | 6                         | Vase      |
| Red Maple             | <i>Acer rubrum</i>                           | 50            | 45            | 8                         | Globe     |
| Bonfire Maple         | <i>Acer saccharum 'Bonfire'</i>              | 50            | 40            | 8                         | Globe     |
| Commemoration Maple   | <i>Acer saccharum 'Commemoration'</i>        | 50            | 35            | 8                         | Oval      |
| Legacy Maple          | <i>Acer saccharum 'Legacy'</i>               | 50            | 35            | 8                         | Oval      |
| Heritage River Birch  | <i>Betula nigra 'Heritage'</i>               | 45            | 30            | 8                         | Oval      |
| Canoe or Paper Birch  | <i>Betula papyrifera</i>                     | 50            | 35            | 8                         | Oval      |
| Catalpa               | <i>Catalpa speciosa</i>                      | 60            | 40            | 8                         | Globe     |
| Hardy Rubber Tree     | <i>Eucommia ulmoides</i>                     | 50            | 50            | 8                         | Globe     |
| Rivers Purple Beech   | <i>Fagus sylvatica 'Riversii'</i>            | 50            | 40            | 8                         | Oval      |
| American Beech        | <i>Fagus grandifolia</i>                     | 50            | 40            | 8                         | Oval      |
| European Beech        | <i>Fagus sylvatica</i>                       | 50            | 40            | 8                         | Oval      |
| Purple Rivers Beech   | <i>Fagus sylvatica 'Riversii'</i>            | 60            | 40            | 8                         | Oval      |
| Green Ash             | <i>Fraxinus pennsylvanica</i>                | 50            | 40            | 8                         | Oval      |
| Urbanite Ash          | <i>Fraxinus pennsylvanica 'Urbanite'</i>     | 50            | 40            | 8                         | Pyramidal |
| Maidenhair Tree       | <i>Ginkgo biloba</i>                         | 60            | 45            | 8                         | Columnar  |
| Kentucky Coffeetree   | <i>Gymnocladus dioicus</i>                   | 70            | 40            | 8                         | Globe     |
| September Goldenrain  | <i>Koelreuteria paniculata 'September'</i>   | 30            | 25            | 8                         | Globe     |
| Tuliptree             | <i>Liriodendron tulipifera</i>               | 80            | 35            | 8                         | Oval      |
| Dawn Redwood          | <i>Metasequoia glyptostroboides</i>          | 70            | 25            | 8                         | Pyramidal |
| Limber Pine           | <i>Pinus flexilis 'Vanderwolf's Pyramid'</i> | 25            | 15            | 8                         | Pyramidal |
| London Planetree      | <i>Platanus x acerifolia 'Bloodgood'</i>     | 50            | 40            | 8                         | Pyramidal |
| Red Oak               | <i>Quercus rubra</i>                         | 65            | 50            | 8                         | Globe     |
| Silver Leaf Oak       | <i>Quercus hypoleucoides</i>                 | 60            | 35            | 8                         | Globe     |
| Shingle Oak           | <i>Quercus imbricaria</i>                    | 50            | 40            | 8                         | Oval      |
| Bur Oak               | <i>Quercus macrocarpa</i>                    | 65            | 50            | 8                         | Oval      |
| Willow Oak            | <i>Quercus phellos</i>                       | 60            | 45            | 8                         | Pyramidal |
| English Oak           | <i>Quercus robur</i>                         | 50            | 40            | 8                         | Globe     |
| Red Oak               | <i>Quercus rubra</i>                         | 60            | 45            | 8                         | Oval      |
| Bald Cypress          | <i>Taxodium distichum</i>                    | 55            | 30            | 8                         | Pyramidal |
| Pioneer Elm           | <i>Ulmus 'Pioneer'</i>                       | 50            | 50            | 8                         | Vase      |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| <input type="checkbox"/>                  | Orange-brown to bronze-red fall color  |
| <input type="checkbox"/>                  | Leaves are medium to dark green, becoming orange or red in fall.   |
| <input type="checkbox"/>                  | Fast growing; orange-red in fall   |
| <input type="checkbox"/>                  | Fast growing; develops good caliper as a young tree  |
| <input type="checkbox"/>                  | Glossy leaves; orange-red in fall  |
| <input type="checkbox"/>                  | Attractive bark, gold in fall  |
| <input type="checkbox"/>                  | Dark green foliage. Yellow fall color. The most permanent of the birches.  |
| <input type="checkbox"/>                  | Withstands hot, dry environments. Medium to fast growth rate. Foliage green, then yellow in fall. Has white flowers. Seed capsules can be messy. |
| <input type="checkbox"/>                  | Rubber is extracted from the wood  |
| <input type="checkbox"/>                  | Deep purple foliage with no change in fall, attractive bark  |
| <input type="checkbox"/>                  | Slow growing; striking grey bark   |
| <input type="checkbox"/>                  | Beautiful bark   |
| <input type="checkbox"/>                  | Oval in habit. Deep purple foliage. Bronze fall color.   |
| <input type="checkbox"/>                  | Plant seedless varieties   |
| <input type="checkbox"/>                  | Pyramidal with lustrous dark green foliage. Bronze in fall.  |
| <input type="checkbox"/>                  | Many large stature varieties available, plant males only   |
| <input type="checkbox"/>                  | Green foliage.   |
| <input checked="" type="checkbox"/>       | Green leaves. Yellow and orange fall color. Yellow flowers.  |
| <input type="checkbox"/>                  | Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.                    |
| <input type="checkbox"/>                  | Deciduous conifer, looks like a redwood in summer  |
| <input type="checkbox"/>                  | Slow grower.   |
| <input type="checkbox"/>                  | Broadly pyramidal. Shedding bark produces mottled brown and cream pattern. This variety is more resistant to anthracnose than species.           |
| <input type="checkbox"/>                  | Round in habit. Green foliage. Red fall color.   |
| <input type="checkbox"/>                  | Silvery foliage  |
| <input type="checkbox"/>                  | Transplants readily; beautiful summer foliage  |
| <input type="checkbox"/>                  | Upright crown becomes round and spreading with maturity, attracts wildlife   |
| <input type="checkbox"/>                  | Tolerant of urban stresses   |
| <input type="checkbox"/>                  | Sturdy and adaptable tree with broad and rounded habit. Deep green foliage with yellow-brown fall color.   |
| <input type="checkbox"/>                  | Beautiful fall color   |
| <input type="checkbox"/>                  | Deciduous conifer; wet/dry sites; urban tolerant   |
| <input type="checkbox"/>                  | Substitute for American elm due pest and disease resistance  |



# BUFFER TREE LIST - APPROVED SPECIES

FORMS



All measurements are in feet

| COMMON NAME          | BOTANICAL NAME                 | MATURE HEIGHT | CANOPY SPREAD | MIN. PLANTING SPACE WIDTH | FORM      |
|----------------------|--------------------------------|---------------|---------------|---------------------------|-----------|
| Silver Fir           | <i>Abies amabilis</i>          | 50            | 40            | 10                        | Pyramidal |
| Grand Fir            | <i>Abies grandis</i>           | 100           | 40            | 10                        | Pyramidal |
| Bigleaf Maple        | <i>Acer macrophyllum</i>       | 70            | 60            | 10                        | Globe     |
| Sugar Maple          | <i>Acer saccharum</i>          | 100           | 50            | 10                        | Oval      |
| Incense Cedar        | <i>Calocedrus decurrens</i>    | 80            | 20            | 10                        | Pyramidal |
| Deodar Cedar         | <i>Cedrus deodara</i>          | 80            | 40            | 10                        | Pyramidal |
| Atlas Cedar          | <i>Cedrus atlantica</i>        | 50            | 20            | 10                        | Pyramidal |
| Oregon Ash           | <i>Fraxinus latifolia</i>      | 75            | 25            | 10                        | Globe     |
| Saucer Magnolia      | <i>Magnolia x soulangeana</i>  | 25            | 25            | 10                        | Pyramidal |
| Colorado Blue Spruce | <i>Picea pungens</i>           | 65            | 20            | 10                        | Pyramidal |
| Shore Pine           | <i>Pinus contorta</i>          | 50            | 25            | 10                        | Pyramidal |
| Austrian Pine        | <i>Pinus nigra</i>             | 55            | 40            | 10                        | Pyramidal |
| Ponderosa Pine       | <i>Pinus ponderosa</i>         | 100           | 30            | 10                        | Pyramidal |
| Eastern White Pine   | <i>Pinus strobus</i>           | 80            | 20            | 10                        | Pyramidal |
| Scots Pine           | <i>Pinus sylvestris</i>        | 50            | 20            | 10                        | Pyramidal |
| Japanese Black Pine  | <i>Pinus thunbergiana</i>      | 30            | 20            | 10                        | Pyramidal |
| Douglas Fir          | <i>Pseudotsuga menziesii</i>   | 100           | 40            | 10                        | Pyramidal |
| Oregon White Oak     | <i>Quercus garryana</i>        | 65            | 45            | 10                        | Globe     |
| Pin Oak              | <i>Quercus palustris</i>       | 65            | 30            | 10                        | Globe     |
| Giant Sequoia        | <i>Sequoiadendron gigantea</i> | 100           | 40            | 10                        | Pyramidal |
| Western Red Cedar    | <i>Thuja plicata</i>           | 100           | 30            | 10                        | Pyramidal |
| Hogan Cedar          | <i>Thuja plicata 'Hogan'</i>   | 100           | 20            | 10                        | Pyramidal |
| Western Hemlock      | <i>Tsuga heterophylla</i>      | 100           | 40            | 10                        | Pyramidal |
| Lacebark Elm         | <i>Ulmus parvifolia</i>        | 60            | 50            | 10                        | Umbrella  |



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| COMPAT-<br>IBLE WITH<br>OVERHEAD<br>WIRES | REMARKS  |
|---|--|
| ☐   | Needs lots of room to grow. Dark evergreen needles. Curves upward.   |
| ☐   | One of the largest firs and can grow up to 800 feet.   |
| ☐   | Broad-topped, dense shade tree. Large 3- to 5-lobed leaves are 6 to 15 inches wide. Small yellow flowers in drooping clusters in April and May. Yellow fall color. |
| ☐   | Great fall colors. Does not perform well in compacted or restricted areas.   |
| ☐   | Drought tolerant.  |
| ☐   | Drought tolerant with weeping bark.  |
| ☐   | Blue-green needles and fragrant.   |
| ☐   | Light green leaves, 6-12 inches long. Will grow in standing water during winter months. Needs no dry-season water.   |
| ☑   | Early-spring blossoms are pinkish-purple outside, white inside. Medium fast-growing, good pollution tolerance.   |
| ☐   | Blue-green needles.  |
| ☐   |  |
| ☐   | Dark green needles.  |
| ☐   | Large needled-evergreen with thick bark.   |
| ☐   | Fast grower.   |
| ☐   |  |
| ☐   | Fast grower. Irregular shape.  |
| ☐   | Flat evergreen needles one-inch long. Smooth bark.   |
| ☐   | Slow to moderate growth. Branches often twisted. Summer irrigation not beneficial.   |
| ☐   | Leaves hang on the tree in fall  |
| ☐   | Largest living organism on earth, long-lived.  |
| ☐   | Thrives in moist conditions. Stringy reddish bark. Trunk is wide and fluted at bottom.   |
| ☐   | Tall, dense, narrow form of Western red cedar.   |
| ☐   | Feathery evergreen foliage with small cones. Prefers full sun and moist soil.  |
| ☐   | Interesting mottled bark   |

## FOR MORE INFORMATION

### CITY OF GRESHAM

[GreshamOregon.gov/trees](http://GreshamOregon.gov/trees)

### FRIENDS OF TREES

[www.FriendsofTrees.org](http://www.FriendsofTrees.org)

### ARBOR DAY FOUNDATION

[www.ArborDay.org](http://www.ArborDay.org)

- ✦ Visit local nurseries to see different trees and talk with experts.
- ✦ Consult with an arborist or landscape architect.
- ✦ Look at trees around the city to find the species you like.



CITY OF GRESHAM  
URBAN DESIGN AND PLANNING  
503-618-2235

[GRESHAMOREGON.GOV/TREES](http://GRESHAMOREGON.GOV/TREES)

# Seattle Department of Transportation – Approved Street Tree List

## Large Columnar Trees

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color | Fall Color  | Comments  |
|---|---------------|--------|--------------|-----------------|--------------|---|---|
| <i>Acer nigrum</i> 'Green Column'<br>Green Column Black Sugar Maple | 50            | 10     | No           | 6               | N/A          |  | Good close to buildings   |
| <i>Fraxinus americana</i> 'Empire'<br>Empire Ash                    | 50            | 25     | No           | 6               | N/A          |  | Use for areas adjacent to taller buildings when ash tree is desired species                       |
| <i>Ginkgo biloba</i> 'Princeton Sentry'<br>Princeton Sentry Ginkgo  | 40            | 15     | No           | 6               | N/A          |  | Very narrow growth.   |
| <i>Nyssa sylvatica</i><br>Tupelo                                    | 60            | 20     | No           | 6               | N/A          |  | Handsome chunky bark – <a href="#">Great Plant Pick</a>   |
| <i>Quercus</i> 'Crimschmidt'<br>Crimson Spire Oak                   | 45            | 15     | No           | 6               | N/A          |  | Hard to find in the nursery trade   |
| <i>Quercus frainetto</i><br>Italian Oak                             | 50            | 30     | No           | 6               | N/A          |  | Drought resistant – beautiful green, glossy leaves in summer.<br><a href="#">Great Plant Pick</a> |
| <i>Quercus robur</i> 'fastigiata'<br>Skyrocket Oak                  | 40            | 15     | No           | 6               | N/A          |  | Columnar variety of oak   |
| <i>Taxodium distichum</i> 'Mickelson'<br>Shawnee Brave Bald Cypress | 55            | 20     | No           | 6               | N/A          |  | Deciduous conifer - tolerates city conditions   |

## Large Trees

| Scientific & Common Name   | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments  |
|--|---------------|--------|--------------|-----------------|---|---|---|
| <i>Acer saccharum</i> 'Bonfire'<br>Bonfire Sugar Maple             | 50            | 40     | No           | 6               | N/A   |    | Fastest growing sugar maple   |
| <i>Acer saccharum</i> 'Commemoration'<br>Commemoration Sugar Maple | 50            | 35     | No           | 6               | N/A   |   | Resistant to leaf tatter. <a href="#">Great Plant Pick</a>  |
| <i>Acer saccharum</i> 'Green Mountain'<br>Green Mountain Sugar Map | 45            | 35     | No           | 6               | N/A   |  | Reliable fall color. <a href="#">Great Plant Pick</a>   |
| <i>Acer saccharum</i> 'Legacy'<br>Legacy Sugar Maple               | 50            | 35     | No           | 5               | N/A   |  | Limited use - where sugar maple is desired in limited planting strip area. <a href="#">Great Plant Pick</a> |
| <i>Aesculus flava</i><br>Yellow Buckeye                            | 60            | 40     | No           | 6               |  |  | Least susceptible to leaf blotch – large fruit – fall color is varied, but quite beautiful                  |
| <i>Cercidiphyllum japonicum</i><br>Katsura Tree                    | 40            | 40     | No           | 6               | N/A   |  | Needs lots of water when young – can produce large surface roots. <a href="#">Great Plant Pick</a>          |
| <i>Fagus sylvatica</i><br>Green Beech                              | 50            | 40     | No           | 6               | N/A   |  | Silvery-grey bark   |
| <i>Fagus sylvatica</i> 'Asplenifolia'<br>Fernleaf Beech            | 60            | 50     | No           | 6               | N/A   |  | Beautiful cut leaf. <a href="#">Great Plant Pick</a>  |
| <i>Fraxinus latifolia</i><br>Oregon Ash                            | 60            | 35     | No           | 6               | N/A   |  | Only native ash in PNW  |

# Seattle Department of Transportation – Approved Street Tree List

## Large Trees, Continued

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color | Fall Color  | Comments   |
|---|---------------|--------|--------------|-----------------|--------------|---|--|
| <i>Fraxinus pennsylvanica</i> 'Patmore'<br>Patmore Ash                | 45            | 35     | No           | 6               | N/A          |    | Extremely hardy, may be seedless   |
| <i>Fraxinus pennsylvanica</i> 'Urbanite'<br>Urbanite Ash              | 50            | 40     | No           | 6               | N/A          |    | Tolerant of city conditions  |
| <i>Ginkgo biloba</i> 'Magyar'<br>Magyar Ginkgo                        | 50            | 25     | No           | 6               | N/A          |    | more upright and narrow than 'Autumn Gold'   |
| <i>Gymnocladus dioica</i> 'Espresso'<br>Espresso Kentucky Coffee      | 50            | 35     | No           | 6               | N/A          |    | Very coarse branches - extremely large bi-pinnately compound leaves  |
| <i>Liquidambar styraciflua</i> 'Rotundiloba'<br>Rotundiloba Sweetgum  | 45            | 25     | No           | 8               | N/A          |    | Only sweetgum that is entirely fruitless. Smooth rounded leaf lobes  |
| <i>Liriodendron tulipifera</i><br>Tulip Tree                          | 60            | 30     | No           | 8               | N/A          |    | Fast-growing tree – can get very large in open conditions  |
| <i>Metasequoia glyptostroboides</i><br>Dawn Redwood                   | 50            | 25     | No           | 6               | N/A          |    | Fast growing deciduous conifer. <a href="#">Great Plant Pick</a>   |
| <i>Platanus x acerifolia</i> 'Bloodgood'<br>Bloodgood London Planetre | 50            | 40     | No           | 8               | N/A          |    | More anthracnose resistant than other varieties – large tree that needs space                              |
| <i>Platanus x acerifolia</i> 'Yarwood'<br>Yarwood London Planetree    | 50            | 40     | No           | 8               | N/A          |    | High resistance to powdery mildew  |
| <i>Quercus bicolor</i><br>Swamp White Oak                             | 60            | 45     | No           | 8               | N/A          |    | Interesting shaggy peeling bark  |
| <i>Quercus coccinea</i><br>Scarlet Oak                                | 60            | 40     | No           | 6               | N/A          |    | Best oak for fall color  |
| <i>Quercus garryana</i><br>Oregon Oak                                 | 50            | 40     | No           | 8               | N/A          |    | Native to Pacific Northwest. <a href="#">Great Plant Pick</a>  |
| <i>Quercus imbricaria</i><br>Shingle Oak                              | 60            | 50     | No           | 6               | N/A          |   | Nice summer foliage - leaves can persist throughout the winter   |
| <i>Quercus muhlenbergii</i><br>Chestnut Oak                           | 60            | 50     | No           | 6               | N/A          |  | coarsely toothed leaf  |
| <i>Quercus robur</i><br>English Oak                                   | 60            | 40     | No           | 8               | N/A          |  | Large, sturdy tree. Acorns do not need dormant cold period to germinate, so can be invasive.               |
| <i>Quercus rubra</i><br>Red Oak                                       | 60            | 45     | No           | 8               | N/A          |  | Fast growing oak – large tree that needs space   |
| <i>Quercus velutina</i><br>Black Oak                                  | 60            | 50     | No           | 8               | N/A          |  | More drought tolerant than red oak   |
| <i>Taxodium distichum</i><br>Bald Cypress                             | 55            | 35     | No           | 8               | N/A          |  | A deciduous conifer, broadly spreading when mature – columnar when young. <a href="#">Great Plant Pick</a> |

# Seattle Department of Transportation – Approved Street Tree List

## Large Trees, Continued

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color | Fall Color  | Comments   |
|---|---------------|--------|--------------|-----------------|--------------|---|--|
| <i>Ulmus</i> 'Homestead'<br>Homestead Elm                       | 60            | 35     | No           | 6               | N/A          |  | Complex hybrid - close in form to American elm - Resistant to Dutch elm disease  |
| <i>Ulmus</i> 'Frontier'<br>Frontier Elm                         | 50            | 35     | No           | 6               | N/A          |  | Resistant to Dutch elm disease   |
| <i>Zelkova serrata</i> 'Greenvase'<br>Green Vase Zelkova        | 45            | 40     | No           | 6               | N/A          |  | Attractive exfoliating bark provides Winter appeal. Dark green leaves turn orange-red and purple in Fall. <a href="#">Great Plant Pick</a> |
| <i>Zelkova serrata</i> 'Village Green'<br>Village Green Zelkova | 40            | 40     | No           | 6               | N/A          |  | Green Vase, Mussichino and Halka are improved forms. <a href="#">Great Plant Pick</a>  |

## Medium / Large Trees

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments  |
|---|---------------|--------|--------------|-----------------|---|---|---|
| <i>Acer campestre</i><br>Hedge Maple                                  | 50            | 30     | No           | 5               | N/A   |    | Contrary to its name, this is not a small tree – nice overall shape and structure   |
| <i>Acer campestre</i> 'Evelyn'<br>Queen Elizabeth Hedge Maple         | 40            | 30     | No           | 5               | N/A   |    | More upright branching than the species.  |
| <i>Acer freemanii</i> 'Autumn Blaze'<br>Autumn Blaze Maple            | 50            | 40     | No           | 6               | N/A   |    | Cross between red and silver maple – fast growing with good fall color  |
| <i>Acer miyabei</i> 'Morton'<br>State Street Maple                    | 40            | 30     | No           | 6               | N/A   |    | Similar to, but faster growing and larger than Hedge maple  |
| <i>Acer platanoides</i> 'Emerald Queen'<br>Emerald Queen Norway Maple | 50            | 40     | No           | 6               | N/A   |    | One of the fastest growing cultivars of Norway maple – <b>Do NOT plant within 1000' of greenbelts – can be invasive</b>   |
| <i>Acer platanoides</i> 'Parkway'<br>Parkway Norway Maple             | 40            | 30     | No           | 6               | N/A   |   | Somewhat tolerant of verticillium wilt - <b>Do NOT plant within 1000' of greenbelts – can be invasive</b>   |
| <i>Acer pseudoplatanus</i> 'Atropurpureum'<br>Spaethii Maple          | 40            | 30     | No           | 5               | N/A   |  | Leaves green on top purple underneath.  |
| <i>Acer rubrum</i> 'Scarsen'<br>Scarlet Sentinel Maple                | 40            | 25     | No           | 6               | N/A   |  | Leaves are darker green and larger than those of other Red Maples, and they hold up well in summer heat.  |
| <i>Aesculus x carnea</i> 'Briotii'<br>Red Horsechestnut               | 30            | 35     | No           | 6               |  |  | Resists heat and drought better than other horsechestnuts   |
| <i>Betula jacquemontii</i><br>Jacquemontii Birch                      | 40            | 30     | No           | 5               | N/A   |  | White bark makes for good winter interest – best for aphid resistance, but does have issues with Bronze Birch Borer   |
| <i>Corylus colurna</i><br>Turkish Filbert                             | 40            | 25     | No           | 5               | N/A   |  | Tight, formal, dense crown - not for areas with high pedestrian traffic as tree can have significant debris from nut production. <a href="#">Great Plant Pick</a> |
| <i>Fraxinus americana</i> 'Autumn Applause'<br>Autumn Applause Ash    | 45            | 25     | No           | 6               | N/A   |  | Purple fall foliage - Compact tree - reportedly seedless  |
| <i>Fraxinus pennsylvanica</i> 'Cimmzam'<br>Cimmamon Ash               | 50            | 30     | No           | 6               | N/A   |  | More upright than 'Patmore' with more bronze/cinnamon fall color  |
| <i>Ginkgo biloba</i> 'Autumn Gold'<br>Autumn Gold Ginkgo              | 45            | 35     | No           | 6               | N/A   |  | Narrow when young   |

# Seattle Department of Transportation – Approved Street Tree List

## Medium / Large Trees, Continued

| Scientific & Common Name                                     | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color | Fall Color  | Comments  |
|--|---------------|--------|--------------|-----------------|--------------|---|---|
| <i>Liquidambar styraciflua</i> 'Moraine'<br>Moraine Sweetgum | 40            | 25     | No           | 8               | N/A          |  | Light green foliage. More compact than other varieties of sweet gum. Brittle branches         |
| <i>Nothofagus antarctica</i><br>Antarctic Beech              | 50            | 35     | No           | 5               | N/A          |  | Rugged twisted branching and petite foliage – difficult to find in the nursery trade          |
| <i>Tilia americana</i> 'Redmond'<br>Redmond Linden           | 50            | 30     | No           | 8               | N/A          |  | Pyramidal, needs extra water when young   |
| <i>Tilia cordata</i> 'Greenspire'<br>Greenspire Linden       | 40            | 30     | No           | 6               | N/A          |  | Symmetrical, pyramidal form – sometimes has structural issues due to tight branch attachments |
| <i>Ulmus parvifolia</i> 'Emer II'<br>Allee Elm               | 45            | 35     | No           | 5               | N/A          |  | Exfoliating bark and nice fall color – Resistant to Dutch Elm Disease                         |

## Medium Columnar Trees

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments  |
|---|---------------|--------|--------------|-----------------|---|---|---|
| <i>Acer platanoides</i> 'Columnar'<br>Columnar Norway Maple         | 45            | 15     | No           | 5               | N/A   |    | Good close to buildings – <b>Do NOT plant within 1000' of greenbelts – can be invasive</b>  |
| <i>Acer rubrum</i> 'Bowhall'<br>Bowhall Maple                       | 40            | 20     | No           | 6               | N/A   |    | An upright, pyramidal form that is significantly wider than 'Armstrong' or 'Columnare'  |
| <i>Carpinus betulus</i> 'Fastigiata'<br>Pyramidal European Hornbeam | 40            | 15     | No           | 5               | N/A   |   | Broadens when older. <a href="#">Great Plant Pick</a>   |
| <i>Fagus sylvatica</i> 'Dawyck Purple'<br>Dawyck Purple Beech       | 40            | 12     | No           | 6               | N/A   |  | Purple foliage.   |
| <i>Liriodendron tulipifera</i> 'Fastigiatum'<br>Columnar Tulip Tree | 40            | 10     | No           | 6               |  |  | Good next to buildings – can have problems with tight branch angles. <a href="#">Great Plant Pick</a>                                       |
| <i>Malus</i> 'Tschonoskii'<br>Tschonoskii Crabapple                 | 30            | 15     | Yes          | 5               |  |  | Sparse green fruit, pyramidal   |
| <i>Oxydendron arboreum</i><br>Sourwood                              | 35            | 12     | No           | 5               |  |  | Consistent and brilliant fall color. <a href="#">Great Plant Pick</a>   |
| <i>Prunus sargentii</i> 'Columnaris'<br>Columnar Sargent Cherry     | 35            | 15     | No           | 8               |  |  | Upright form. The cherry with the best fall color. Can suffer from brown rot in spring.   |
| <i>Prunus x hillieri</i> 'Spire'<br>Spire Cherry                    | 30            | 10     | Yes          | 6               |  |  | One of the few 'wire friendly' columnar cherries. Can suffer from brown rot in spring.  |
| <i>Pyrus calleryana</i> 'Cambridge'<br>Cambridge Pear               | 40            | 15     | No           | 5               |  |  | Narrow tree with better branch angles and form than the species – brittle limbs may still be a problem with breakage due to ice or wet snow |

# Seattle Department of Transportation – Approved Street Tree List

## Medium Trees

| Scientific & Common Name   | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments  |
|--|---------------|--------|--------------|-----------------|---|---|---|
| <i>Acer grandidentatum</i> 'Schmidt'<br>Rocky Mt. Glow Maple                         | 25            | 20     | Yes          | 5               | N/A   |    | Intense red fall color - Limited availability in nursery trade  |
| <i>Acer rubrum</i> 'Karpick'<br>Karpick Maple  | 40            | 20     | No           | 6               | N/A   |    | Finer texture than other narrow forms of columnar maple   |
| <i>Acer truncatum</i> x <i>A. platanoides</i> 'Keithsform'<br>Norwegian Sunset Maple | 35            | 25     | No           | 5               | N/A   |    | Reliable fall color - nice reddish orange   |
| <i>Acer truncatum</i> x <i>A. platanoides</i> 'Warrensred'<br>Pacific Sunset Maple   | 30            | 25     | Yes          | 5               | N/A   |    | Limited use under higher wires  |
| <i>Betula albosinensis</i> var <i>septentrionalis</i><br>Chinese Red Birch           | 40            | 35     | No           | 5               | N/A   |    | White and pink peeling bark. <a href="#">Great Plant Pick</a>   |
| <i>Carpinus caroliniana</i><br>American Hornbeam                                     | 25            | 20     | Yes          | 5               | N/A   |    | Outstanding fall color (variable – yellow, orange, red) – nice little tree. <a href="#">Great Plant Pick</a>            |
| <i>Cladrastis kentukea</i><br>Yellowwood   | 40            | 40     | No           | 5               |    |    | White flowers in spring, resembling wisteria flower – blooms profusely only every 2 to 4 years – yellow/gold fall color |
| <i>Cornus controversa</i> 'June Snow'<br>Giant Dogwood                               | 40            | 30     | No           | 5               |    |    | Frothy, 6-inch clusters of white flowers in June – <a href="#">Great Plant Pick</a>                                     |
| <i>Cornus</i> 'Eddie's White Wonder'<br>Eddie's White Wonder Dogwood                 | 30            | 20     | Yes          | 5               |    |    | A hybrid of <i>C. florida</i> and <i>C. nuttallii</i>   |
| <i>Crataegus crus-galli</i> 'Inermis'<br>Thornless Cockspur Hawthorne                | 25            | 30     | Yes          | 5               |    |    | Red persistent fruit  |
| <i>Crataegus phaenopyrum</i><br>Washington Hawthorne                                 | 25            | 20     | Yes          | 5               |    |    | Thorny – do not plant in high use areas   |
| <i>Crataegus x lavalii</i><br>Lavalle Hawthorne                                      | 25            | 20     | Yes          | 5               |   |   | Thorns on younger trees. <a href="#">Great Plant Pick</a>   |
| <i>Davidia involucrata</i><br>Dove Tree  | 40            | 30     | No           | 5               |  | N/A   | Large, unique flowers in May. <a href="#">Great Plant Pick</a>  |
| <i>Eucommia ulmoides</i><br>Hardy Rubber Tree  | 50            | 40     | No           | 6               | N/A   | N/A   | Dark green, very shiny leaves – insignificant fall color  |
| <i>Fagus sylvatica</i> 'Rohanii'<br>Purple Oak Leaf Beech                            | 50            | 30     | No           | 6               | N/A   | N/A   | Attractive purple leaves with wavy margins. <a href="#">Great Plant Pick</a>  |
| <i>Halesia monticola</i><br>Mountain Silverbell                                      | 45            | 25     | No           | 5               |  |  | Attractive small white flower   |
| <i>Halesia tetraptera</i><br>Carolina Silverbell                                     | 35            | 30     | No           | 5               |  |  | Attractive bark for seasonal interest   |
| <i>Koelreuteria paniculata</i><br>Goldenrain Tree                                    | 30            | 30     | Yes          | 5               |  |  | Midsummer blooming – slow growing. <a href="#">Great Plant Pick</a>   |
| <i>Magnolia denudata</i><br>Yulan Magnolia   | 40            | 40     | No           | 5               |  | N/A   | 6" inch fragrant white flowers in spring. <a href="#">Great Plant Pick</a>  |
| <i>Magnolia grandiflora</i> 'Victoria'<br>Victoria Evergreen Magnolia                | 25            | 20     | Yes          | 5               |  | N/A   | Evergreen magnolia – can be damaged in years with wet, heavy snow. <a href="#">Great Plant Pick</a>                     |
| <i>Magnolia kobus</i> 'Wada's Memory'<br>Wada's Memory Magnolia'                     | 30            | 20     | Yes          | 5               |  |  | Does not flower well when young. <a href="#">Great Plant Pick</a>   |

# Seattle Department of Transportation – Approved Street Tree List

## Medium Trees, Continued

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments   |
|---|---------------|--------|--------------|-----------------|---|---|--|
| <i>Ostrya virginiana</i><br>Ironwood  | 40            | 25     | No           | 5               | N/A   |    | Hop like fruit – slow growing  |
| <i>Phellodendron amurense</i> 'Macho'<br>Macho Cork Tree                      | 40            | 40     | No           | 5               | N/A   |    | This variety is fruitless – fall color can be varied. High drought tolerance   |
| <i>Prunus cerasifera</i> 'Krauter Vesuvius'<br>Vesuvius Flowering Plum        | 30            | 20     | Yes          | 5               |    | N/A   | Burgundy colored leaves – tree best used as an accent rather than in mass plantings  |
| <i>Pterostyrax hispida</i><br>Fragrant Epaulette Tree                         | 40            | 30     | No           | 5               |    |    | Pendulous creamy white flowers – fragrant – difficult to find in the nursery trade   |
| <i>Pyrus calleryana</i> 'Aristocrat'<br>Aristocrat Pear                       | 40            | 30     | No           | 5               |    |    | One of the tallest flowering pears – good branch angles, but wood is brittle. <b>Reported as invasive in other areas.</b>        |
| <i>Pyrus calleryana</i> 'Glen's Form'<br>Chanticleer or Cleveland Select Pear | 40            | 20     | No           | 5               |    |    | Selected variety of callery pear – good spring flowering. . <b>Reported as invasive in other areas</b>                           |
| <i>Pyrus calleryana</i> 'Redspire'<br>Redspire Pear                           | 35            | 25     | No           | 5               |    |    | Selected variety of callery pear – good spring flowering. . <b>Reported as invasive in other areas</b>                           |
| <i>Quercus illex</i><br>Holly Oak   | 40            | 30     | No           | 5               | N/A   | N/A   | Evergreen oak - Underside of leaf is silvery-white. Often has a prominent umbrella form  |
| <i>Rhamnus purshiana</i><br>Cascara   | 30            | 20     | Yes          | 5               | N/A   |    | Native tree – fall color depends on exposure – purplish fruit feeds many native birds  |
| <i>Robinia x ambigua</i><br>Pink Idaho Locust                                 | 35            | 25     | No           | 5               |    |    | Fragrant flowers. Sterile variety. Drought tolerant. Some varieties will sucker profusely.                                       |
| <i>Sophora japonica</i> 'Regent'<br>Japanese Pagodatree                       | 45            | 40     | No           | 6               |    |    | Has a rapid growth rate and tolerates city conditions, heat, and drought.  |
| <i>Sorbus aucuparia</i> 'Mitchred'<br>Cardinal Royal Mt. Ash                  | 35            | 20     | No           | 5               |  |  | A vigorous tree with upright branches and a very symmetrical habit. Leaves are silvery underneath.                               |
| <i>Sorbus x hybridia</i><br>Oakleaf Royal Mt. Ash                             | 30            | 20     | Yes          | 5               |  |  | It has leaves which are similar to English oak, and interesting bark for seasonal features.                                      |
| <i>Styrax japonica</i><br>Japanese Snowbell                                   | 25            | 25     | Yes          | 5               |  |  | Reliable and easy to grow, it has plentiful, green ½" inch seeds. Flowers similar to lily in the valley. <b>Great Plant Pick</b> |
| <i>Tilia cordata</i> 'De Groot'<br>De Groot Littleleaf Linden                 | 30            | 20     | Yes          | 5               | N/A   |  | One of the smaller stature littleleaf lindens.   |
| <i>Tilia cordata</i> 'Chancole'<br>Chancellor Linden                          | 35            | 20     | No           | 6               | N/A   |  | Pyramidal when young. Fragrant flowers that attract bees.  |
| <i>Ulmus parvifolia</i> 'Emer I'<br>Athena Classic Elm                        | 30            | 35     | No           | 5               | N/A   |  | High resistance to Dutch Elm Disease. Drought resistant. Cinnamon colored exfoliating bark for seasonal interest.                |

# Seattle Department of Transportation – Approved Street Tree List

## Small Columnar Trees

| Scientific & Common Name  | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments   |
|---|---------------|--------|--------------|-----------------|---|---|--|
| <i>Maackia amurensis</i><br>Amur Maackia                          | 30            | 20     | Yes          | 5               |  | N/A   | Interesting exfoliating bark – flowering in June or July - varies in intensity from year to year                               |
| <i>Malus</i> ‘Adirondack’<br>Adirondack Crabapple                 | 20            | 10     | Yes          | 5               |  |  | Very resistant to apple scab – one of the narrowest crabapples – persistent reddish ¼” fruit. <a href="#">Great Plant Pick</a> |
| <i>Malus</i> ‘Red Barron’<br>Red Barron Crabapple                 | 20            | 10     | Yes          | 5               |  |  | Deep pink blossom and persistent red berries for seasonal interest   |
| <i>Prunus serrulata</i> ‘Amanogawa’<br>Amanogawa Flowering Cherry | 20            | 8      | Yes          | 6               |  |  | Pinkish flower bud, changing to white flower.  |
| <i>Sorbus americana</i> ‘Dwarfcrowm’<br>Red Cascade Mountain Ash  | 20            | 10     | Yes          | 5               |  |  | Nice winter form - Red berries in clusters   |

## Small Trees

| Scientific & Common Name   | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments  |
|--|---------------|--------|--------------|-----------------|---|---|---|
| <i>Acer buegerianum</i><br>Trident Maple   | 30            | 30     | Yes          | 5               | N/A   |    | Somewhat shrublike – must train to a single stem – interesting bark. <a href="#">Great Plant Pick</a>               |
| <i>Acer circinatum</i><br>Vine Maple   | 25            | 25     | Yes          | 5               | N/A   |    | Avoid using on harsh sites – native tree. <a href="#">Great Plant Pick</a>  |
| <i>Acer ginnala</i> ‘Flame’<br>Flame Amur Maple  | 25            | 20     | Yes          | 5               |    |    | Clusters of small cream colored flowers in spring – very fragrant. Nice fall color. Informal branch structure.      |
| <i>Acer griseum</i><br>Paperbark Maple   | 30            | 20     | Yes          | 5               | N/A   |   | Peeling cinnamon colored bark for seasonal interest. <a href="#">Great Plant Pick</a>                               |
| <i>Acer palmatum</i><br>Japanese Maple   | 20            | 25     | Yes          | 5               | N/A   |  | Many varieties available – select larger varieties for street planting  |
| <i>Acer platanoides</i> ‘Globosum’<br>Globe Norway Maple                               | 20            | 20     | Yes          | 5               | N/A   |  | Very rounded crown and compact growth   |
| <i>Acer triflorum</i><br>Three-Flower Maple  | 25            | 20     | Yes          | 5               | N/A   |  | Multi seasonal interest with tan, exfoliating bark and red, orange/red fall color. <a href="#">Great Plant Pick</a> |
| <i>Amelanchier grandiflora</i> ‘Princess Diana’<br>Princess Diana Serviceberry         | 20            | 15     | Yes          | 4               |  |  | Good for narrower planting strips   |
| <i>Amelanchier x grandiflora</i> ‘Autumn Brilliance’<br>Autumn Brilliance Serviceberry | 20            | 15     | Yes          | 4               |  |  | Good for narrower planting strips – reliable bloom and fall color   |
| <i>Arbutus</i> ‘Marina’<br>Strawberry Tree   | 25            | 20     | Yes          | 5               |  | N/A   | Substitute for Pacific madrone – can suffer severe damage or death due to cold weather - evergreen                  |
| <i>Asimina triloba</i><br>Paw Paw  | 30            | 20     | Yes          | 5               |  | N/A   | Burgundy flower in spring before leaves – difficult to find in nursery trade  |
| <i>Carpinus japonica</i><br>Japanese Hornbeam  | 20            | 25     | Yes          | 5               | N/A   |  | Wide spreading, slow growing – fall color is not outstanding. <a href="#">Great Plant Pick</a>                      |
| <i>Cercis canadensis</i><br>Eastern Redbud   | 25            | 30     | Yes          | 5               |  |  | Deep pink flowers on bare twigs in spring   |

# Seattle Department of Transportation – Approved Street Tree List

## Small Trees, Continued

| Scientific & Common Name   | Mature Height | Spread | Under Wires? | Min Strip Width | Flower Color  | Fall Color  | Comments  |
|--|---------------|--------|--------------|-----------------|---|---|---|
| <i>Cercis siliquastrum</i><br>Judas Tree                           | 25            | 30     | Yes          | 5               |    |    | Deep pink flowers on bare twigs in spring – drought resistant   |
| <i>Cornus alternifolia</i><br>Pagoda Dogwood                       | 25            | 25     | Yes          | 5               |    |    | Small white flowers in flat clusters – fall color is varied. <a href="#">Great Plant Pick</a>                                   |
| <i>Cornus kousa</i> 'Chinensis'<br>Kousa Dogwood                   | 20            | 20     | Yes          | 4               |    |    | Does not do well on harsh, dry sites. <a href="#">Great Plant Pick</a>  |
| <i>Cotinus obovatus</i><br>American Smoke Tree                     | 25            | 25     | Yes          | 4               |    |    | Showy pinkish panicles of flowers in the spring – reddish purple leaves on some varieties. <a href="#">Great Plant Pick</a>     |
| <i>Lagerstroemia 'tuscaraora'</i><br>Tuscarora Hybrid Crape Myrtle | 20            | 20     | Yes          | 4               |    |    | Light cinnamon brown bark lends year round interest – drought resistant – likes a warm site                                     |
| <i>Magnolia 'Elizabeth'</i><br>Elizabeth Magnolia                  | 30            | 20     | Yes          | 5               |    | N/A   | Yellowish to cream colored flower in spring. <a href="#">Great Plant Pick</a>   |
| <i>Magnolia 'Galaxy'</i><br>Galaxy Magnolia                        | 25            | 25     | Yes          | 5               |    |    | Showy pink flowers. <a href="#">Great Plant Pick</a>  |
| <i>Magnolia x loebneri</i><br>Loebner Magnolia                     | 20            | 20     | Yes          | 5               |    |    | Flower is 'star' shaped rather than tulip like – white to pinkish white in March or April. <a href="#">Great Plant Pick</a>     |
| <i>Malus 'Golden Raindrops'</i><br>Golden Raindrops Crabapple      | 20            | 20     | Yes          | 5               |    |    | Disease resistant – persistent yellow fruit in fall and winter. <a href="#">Great Plant Pick</a>                                |
| <i>Malus 'Donald Wyman'</i><br>Donald Wyman Crabapple              | 25            | 25     | Yes          | 5               |    |    | Large white blossom – nice green foliage in summer  |
| <i>Malus 'Lancelot' ('Lanzam')</i><br>Lancelot Crabapple           | 15            | 15     | Yes          | 4               |    |    | Red flower buds, blooming white – red persistent fruit  |
| <i>Parrotia persica</i><br>Persian Parrotia                        | 30            | 20     | No           | 5               |    |    | Blooms before it leafs out – drought tolerant - Varied fall color - reds, oranges and yellows. <a href="#">Great Plant Pick</a> |
| <i>Prunus 'Frankthrees'</i><br>Mt. St. Helens Plum                 | 20            | 20     | Yes          | 5               |   | N/A   | Burgundy colored leaves – tree best used as an accent rather than in mass plantings   |
| <i>Prunus 'Newport'</i><br>Newport Plum                            | 20            | 20     | Yes          | 5               |  | N/A   | Burgundy colored leaves – tree best used as an accent rather than in mass plantings   |
| <i>Prunus 'Snowgoose'</i><br>Snow Goose Cherry                     | 20            | 20     | Yes          | 5               |  |  | This selection sports abundant white flowers and healthy green, disease-resistant foliage                                       |
| <i>Prunus cerasifera</i> 'Thundercloud'<br>Thundercloud Plum       | 30            | 20     | No           | 5               |  | N/A   | Burgundy colored leaves – tree best used as an accent rather than in mass plantings – can produce significant fruit             |
| <i>Prunus x yedoensis</i> 'Akebono'<br>Akebono Flowering Cherry    | 25            | 25     | Yes          | 6               |  |  | Has masses of large, semi-double, pink flowers – most widely planted cherry in Pacific Northwest                                |
| <i>Sorbus alnifolia</i><br>Korean Mountain Ash                     | 35            | 30     | No           | 5               |  |  | Simple leaves and beautiful pink/red fruit. <a href="#">Great Plant Pick</a>  |
| <i>Stewartia monodelpha</i><br>Orange Bark Stewartia               | 30            | 20     | Yes          | 5               |  |  | Extraordinary cinnamon colored bark – avoid hot, dry sites. <a href="#">Great Plant Pick</a>                                    |
| <i>Stewartia psuedocamellia</i><br>Japanese Stewartia              | 25            | 15     | Yes          | 5               |  |  | Patchwork bark, white flower in spring. <a href="#">Great Plant Pick</a>  |
| <i>Styrax obassia</i><br>Fragrant Styrax                           | 25            | 20     | Yes          | 5               |  |  | Smooth gray bark and fragrant white flowers. <a href="#">Great Plant Pick</a>   |