Right Tree in the Right Place

Approved Tree List

City of Gresham

February, 2016

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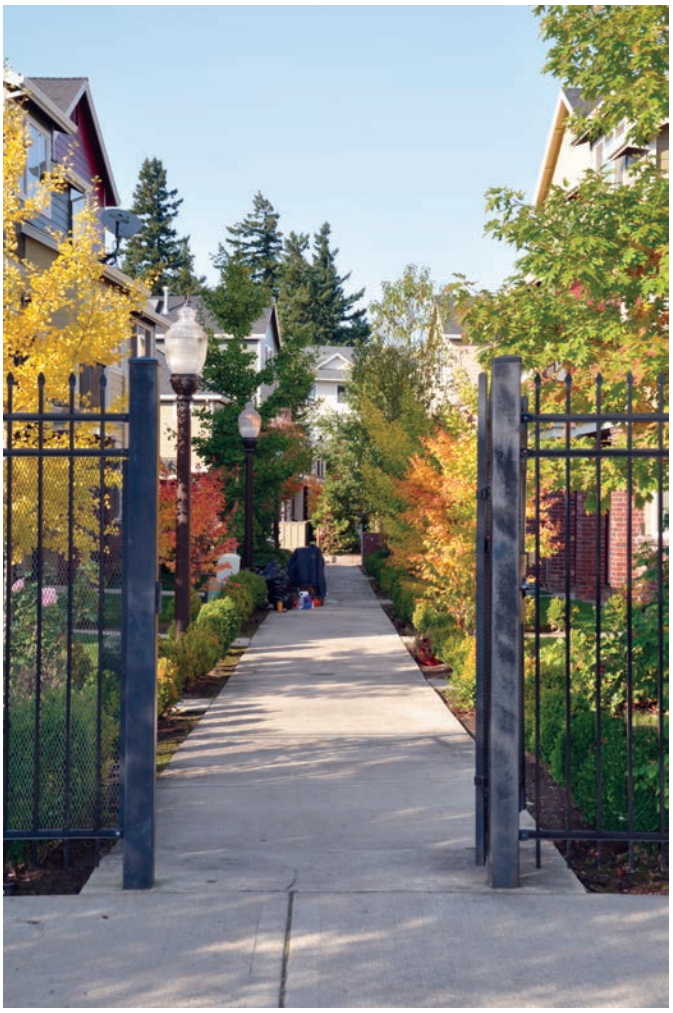
Looking south to Gresham Butte from City Hall

INTRODUCTION

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.

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.

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.

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.

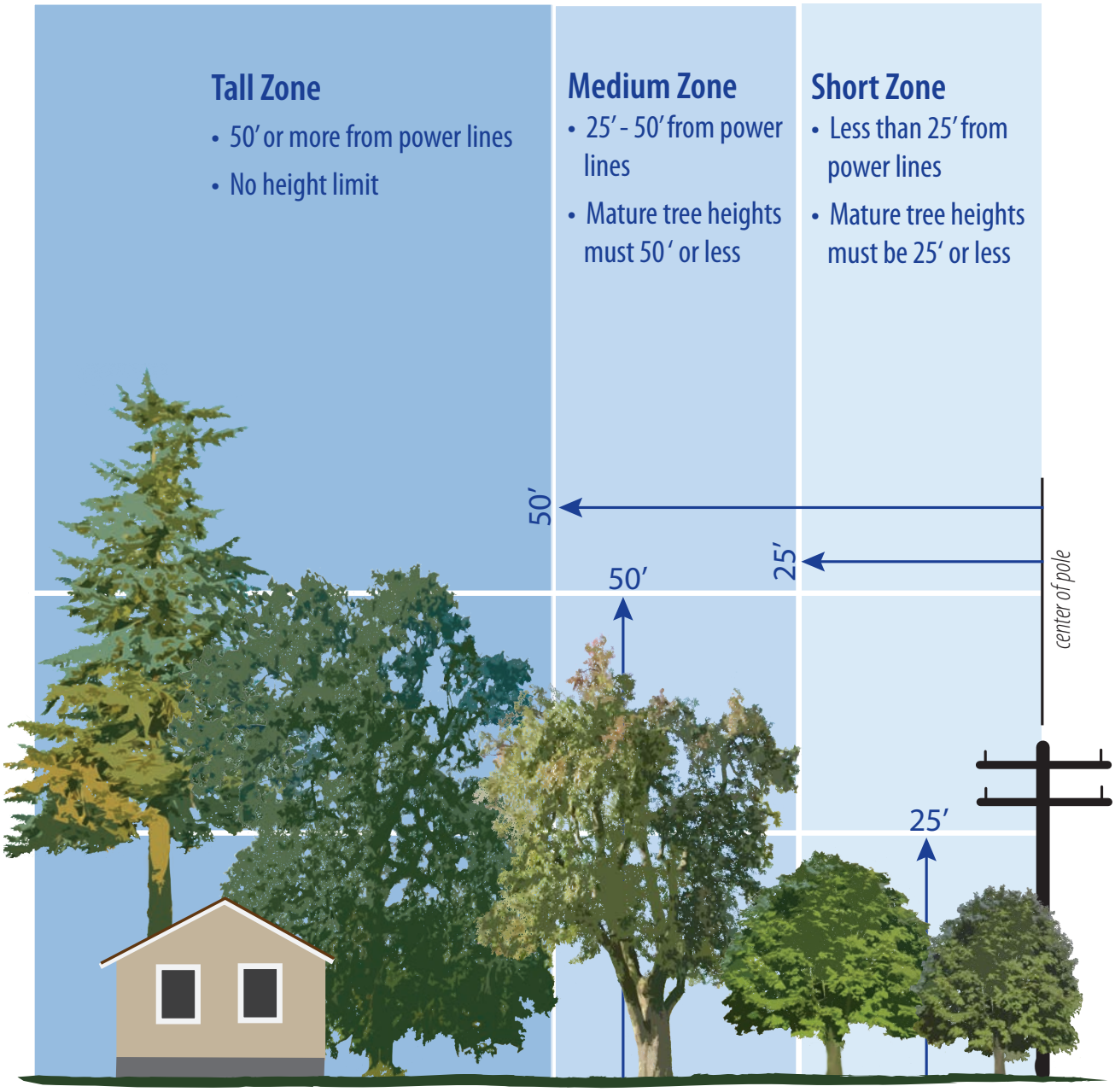
Additional responsibilities include:

- 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 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?

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

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.

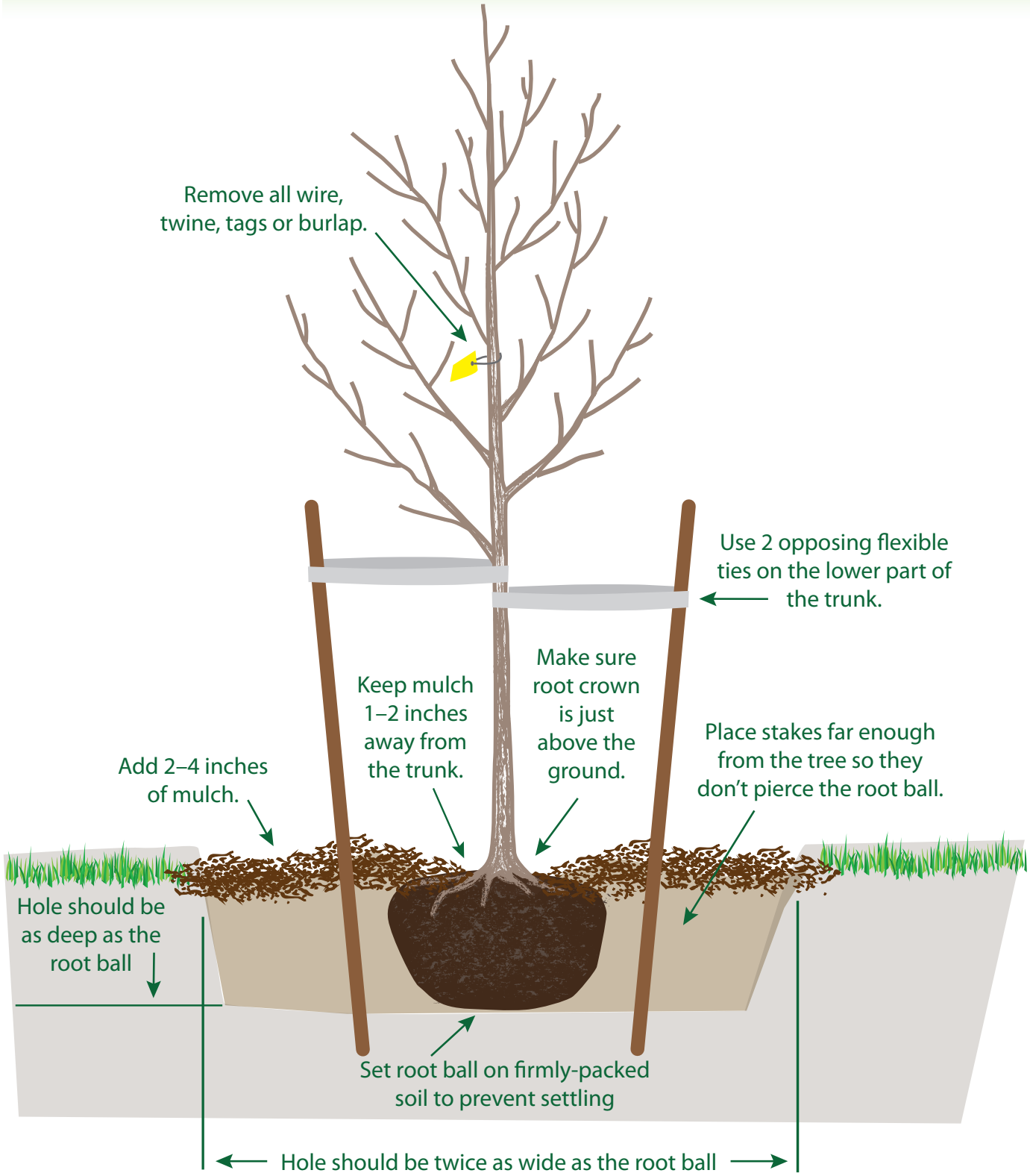
Maintenance

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.

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

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 burb, 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 - Recommended Species

Forms: Globe, Narrow Column, Oval, Pyramid, Umbrella, Vase

✔ = Okay to plant under overhead utility lines
✘ = Not okay to plant under overhead utility lines

A street tree is a tree located within the public right-of-way, or within 10 feet of the public right-of-way, where the planter strip is missing or is too narrow for a tree.

All measurements are in feet

Common Name	Botanical Name	Mature Height	Canopy Spread	Min. Planting Space Width	Form	Compat-ible with Overhead Wires	Remarks
Paperbark Maple	*Acer griseum*	25	20	3	Globe	✔	Spreading, rounded crown. Red fall color. Year round interest.
Butterfly Japanese Maple	*Acer palmatum 'Butterfly'*	12	6	3	Umbrella	✔	Stiffly upright in habit. Variegated cream + light green foliage with magenta tint in fall.
Flowering Dogwood	*Cornus florida*	25	25	3	Vase	✔	Large number of varieties available
Crimson Cloud Hawthorn	*Crataegus laevigata 'Crimson Cloud'*	25	18	3	Oval	✔	Oval habit. Glossy green leaves.Bright red flower with white center. Bright red fruit. Virtually thornless
Golden Desert Ash	*Fraxinus excelsior 'Golden Desert'*	20	20	3	Globe	✔	Golden twigs
Adirondack Crabapple	*Malus 'Adirondack'*	18	10	3	Columnar	✔	Densely upright in an inverted cone. Medium green foliage. White flower bright red fruit.
Columnar Siberian Crabapple	*Malus baccata 'Columnaris'*	30	10	3	Columnar	✔	White flower, yellow-red fruit.
Red Jewel™ Crabapple	*Malus 'Jewelcole'*	15	12	3	Pyramidal	✔	Green foliage. White foliage. Red fruit, very persistent through the winter.
Javelin Pear	*Pyrus 'NCPXI'*	35	10	3	Columnar	✔	White flowers, red foliage, bronze green leaves in summer.
Chanticleer Pear	*Purus calleryana 'Glens Form'*	30	20	3	Pyramidal	✔	
Cleveland Select Pear	*Pyrus calleryana 'Cleveland Select'*	30	20	3	Pyramidal	✔	Glossy green foliage. White flowers. Purplish-red foliage in fall.
Japanese Stewartia	*Stewartia pseudocamellia*	25	25	3	Umbrella	✔	Needs ample water
Snowcone Japanese Snowbell	*Styrax japonicus 'JFS-D'*	20	20	3	Globe	✔	Pendulous white flowers, water weekly for first three summers
Japanese Tree Lilac	*Syringa reticulata*	20	15	3	Oval	✔	Upright, spreading in habit. Green foliage. White panicle, flower. Single stem form for street tree. Non-tree form may be planted behind sidewalk.
Ivory Silk Tree Lilac	*Syringa reticulata 'Ivory Silk'*	20	15	3	Oval	✔	Upright spreading, in habit. Green foliage. White panicle flower. Single stem form.
Summer Sprite Linden	*Tilia cordata 'Halka'*	20	15	3	Globe	✔	Dense compact crown, sheared appearance, yellow fall color
Queen Elizabeth™ Maple	*Acer campestre 'Evelyn'*	35	30	4	Oval	✘	Dark green foliage. Yellow fall color.
Metro Gold™ Maple	*Acer campestre 'Panacek'*	35	20	4	Oval	✘	Dark green foliage. Yellow fall color.
Rocky Mountain™ Glow Maple	*Acer grandidentatum*	25	15	4	Oval	✔	Dark green foliage. Orange-yellow fall color.
Armstrong Maple	*Acer rubrum 'Armstrong'*	45	15	4	Columnar	✘	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.
Armstrong Gold Maple	*Acer rubrum 'JFS-KW78'*	40	12	4	Columnar	✘	Green foliage, gold fall color.
Bowhall Maple	*Acer rubrum 'Bowhall'*	40	15	4	Columnar	✘	Upright very narrow. Medium green foliage. Yellow orange to reddish orange fall color.
Scanlon Red Maple	*Acer rubrum 'Scanlon'*	40	15	4	Columnar	✘	Orange-red fall color.
Apollo™ Maple	*Acer saccharum 'Barrett Cole'*	25	10	4	Columnar	✔	Dense branching + compact form ideal for limited spaces. Summer foliage is dark green. Yellow orange to red fall color. Withstands heat well.
Tatarian Maple	*Acer tataricum*	25	15	4	Oval	✔	Tolerant of urban stresses, fall color, compact crown
Roughbark Maple	*Acer triflorum*	20	20	4	Globe	✔	Fall color, textured bark
Crimson Sunset Maple	*Acer truncatum x A. platanoides*	35	25	4	Oval	✘	Purple foliage, upright
Serviceberry	*Amelanchier x grandiflora*	25	15	4	Oval	✔	White flowers, edible fruit. Single stem form for street tree. Non-tree form may be planted behind sidewalk.

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Snowcloud Serviceberry	*Amelanchier laevis 'Snowcloud '*	25	15	4	Oval	✔	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.
Spring Flurry Serviceberry	*Amelanchier laevis 'Spring Flurry'*	35	20	4	Oval	✘	White flowers, edible fruit; strong central leader. Single stem form for street tree. Non-tree form may be planted behind sidewalk.
Autumn Brilliance Serviceberry	*Amelanchier x grandiflora 'Autumn Brilliance'*	20	15	4	Oval	✔	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.
Princess Diana Serviceberry	*Amelanchier x grandiflora 'Princess Diana'*	25	15	4	Globe	✔	White flowers, edible fruit. Single stem form for street tree. Non-tree form may be planted behind sidewalk
European Hornbeam	*Carpinus betulus*	35	25	4	Globe	✘	Dense crown
Pyramidal European Hornbeam	*Carpinus betulus 'Fastigiata'*	40	25	4	Oval	✘	Dark green foliage turns yellow in fall.
Frans Fontaine Hornbeam	*Carpinus betulus 'Frans Fontaine'*	40	30	4	Columnar	✘	Provides good screening, attractive fall color
American Hornbeam	*Carpinus caroliniana*	25	20	4	Oval	✔	Needs ample water
Japanese hornbeam	*Carpinus japonica*	25	25	4	Globe	✔	Attractive foliage, usually trouble free
Chinese Fringetree	*Chionanthus retusus 'Tokyo Tower'*	20	10	4	Columnar	✔	Showy flower, fruit attracts birds, generally requires little maintenance
June Snow Dogwood	*Cornus controversa 'June Snow'*	30	35	4	Vase	✔	Wide spreading, flowers in May/June
Eddie's White Wonder Dogwood	*Cornus 'Eddies White Wonder'*	25	20	4	Pyramidal	✔	White flowers; red in fall; transplants readily
Stellar Pink Dogwood	*Cornus kousa x florida*	20	20	4	Vase	✔	Disease resistant; pink flowers
Venus Dogwood	*Cornus kousa x nutalli*	25	20	4	Vase	✔	Very large white flowers; vigorous growth
Thornless Cockspur Hawthorn	*Crataegus crus-galli*	25	25	4	Globe	✔	No thorns; orange fall color
Washington Hawthorn	*Crataegus phaenopyrum*	25	20	4	Oval	✔	Attractive fall color, orange-red fruit matures in winter + attracts birds
Lavalle Hawthorne	*Crataegus x lavallei*	28	20	4	Oval	✔	Upright oval habit. Dark green foliage. Bronze fall color. Orange red fruit.
Dawyck Purple Beech	*Fagus sylvatica 'Dawyck Purple'*	40	15	4	Columnar	✘	Deep purple foliage with no change in fall, attractive bark
Autumn Applause Ash	*Fraxinus americana 'Autumn Applause'*	40	25	4	Oval	✘	Oval, compact form with green foliage turning purple in fall. Seedless.
Autumn Purple Ash	*Fraxinus americana 'Junginger'*	45	40	4	Globe	✘	Fall color, this is a seedless ash variety
Summit Ash	*Fraxinus pennsylvanica 'Summit'*	45	25	4	Pyramidal	✘	Pyramidal in habit. Medium green foliage. Yellow fall color.
Princeton Sentry™ Ginko	*Ginko biloba 'Princeton Sentry'*	40	15	4	Pyramidal	✘	Green foliage. Bright yellow fall color.
Shade Master Honeylocust	*Gleditisia triacanthos*	45	35	4	Vase	✘	Green leaves, yellow fall color.
Skyline™ Honeylocust	*Gleditsia triacanthos 'Skycole'*	45	35	4	Pyramidal	✘	Upright spreading branches + finely textured medium green foliage. Golden fall color. Good environmental tolerance.
Street Keeper™ Honeylocust	*Gleditsia tricanthos 'Draves'*	45	20	4	Pyramidal	✘	Green foliage. Yellow fall color.
September Goldenrain	*Koelreuteria paniculata 'September'*	30	25	4	Globe	✔	Green leaves. Yellow and orange fall color. Yellow flowers.
Goldenrain Tree	*Koelreuteria paniculata*	35	35	4	Globe	✘	Tolerant of urban stresses.
Tuliptree	*Liriodendron tulipifera 'Fastigata'*	30	10	4	Columnar	✔	Fast grower, narrow crown, susceptible to aphids.
Amur Maackia	*Maackia amurensis*	25	20	4	Vase	✔	Showy flowers, gold fall color

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Elizabeth Magnolia	*Magnolia acuminata 'Elizabeth'*	25	15	4	Pyramidal	✔	Yellow flower
Butterflies Magnolia	*Magnolia acuminata x denudada*	20	20	4	Pyramidal	✔	Showy yellow flowers
Galaxy Magnolia	*Magnolia liliflora x sprengeri*	30	15	4	Pyramidal	✔	Deciduous; strong central leader
Golden Raindrops Crabapple	*Malus 'Schmidtcutleaf'*	20	15	4	Vase	✔	Unique leaves, white flowers, small golden yellow fruit
Schonosuki Crabapple	*Malus tschonoskii*	30	15	4	Oval	✔	Dark green foliage turns orange, red + purple in fall. Sparse yellow-green fruit.
Tupelo	*Nyssa sylvatica*	45	20	4	Pyramidal	✘	Pyramidal when young, spreading + irregular with age. Dark green, glossy foliage. Hot, copper-red fall color.
David Odom Afterburner Tupelo	*Nyssa sylvatica 'David Odom'*	45	20	4	Pyramidal	✘	Named in memorium of local arborist David Odom, unique upright structure
Vanessa Persian Ironwood	*Parrotia persica 'Vanessa'*	30	15	4	Oval	✔	Beautiful bark and fall color, slow growing and long-lived
Columnar Sargent Cherry	*Prunus sargentii 'Columnaris'*	30	10	4	Vase	✔	Green foliage. Deep pink flowers. Orange red fall color.
Pink Flair™ Cherry	*Prunus sargentii 'JFS-KW58'*	25	15	4	Columnar	✔	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.
Royal Burgundy Cherry	*Prunus serrulata 'Royal Burgundy*	30	20	4	Vase	✔	Vase shaped. Purple red foliage. Red orange fall color. Large double pink flowers.
Cascade Snow Cherry	*Prunus 'Cascade' Snow'*	25	20	4	Vase	✔	Disease resistant; white flowers
Snow Goose Cherry	*Prunus 'Snow Goose'*	20	20	4	Vase	✔	Disease resistant; white flowers; widens with age
Redspire Pear	*Pyrus calleryana 'Redspire'*	35	25	4	Pyramidal	✘	Pyramidal, dense + symmetrical with medium green, glossy foliage turning yellow to red in fall. Abundant white flowers.
Jack Pear	*Pyrus calleryana 'Jackzam'*	40	15	4	Pyramidal	✘	Abundant white flowers early spring
Crimson Spire Oak	*Quercus alba x Q. robur 'Crimschmidt'*	45	15	4	Columnar	✘	Narrow crown, rusty red fall color
Forest Green™ Oak	*Quercus frainetto 'Schmidt'*	50	30	4	Columnar	✘	Glossy deep green foliage.
Columnar English Oak	*Quercus robur 'Fastigiata'*	45	15	4	Columnar	✘	Dense, medium texture. Dark green foliage, bronze in the fall. 1 inch acorns. Tolerates pollution + restricted root space.
Summer Charm Tree Lilac	*Syringa pekinensis 'Summer Charm'*	20	20	4	Globe	✔	Glossy foliage, sprays of creamy white flowers, yellow fall color
Redmond Bigleaf Linden	*Tilia americana x euchlora 'Redmond'*	35	25	4	Pyramidal	✘	Light green foliage. Yellowish fall color.
Chancellor™ Linden	*Tilia cordata 'Chancole'*	35	20	4	Pyramidal	✘	Dark green foliage. Yellow fall color.
Corinthian Linden	*Tilia cordata 'Corzam'*	45	15	4	Columnar	✘	Narrowest of the linden cultivars
Emerald Sunshine Elm	*Ulmus propinqua'JFS-Bieberich'*	35	25	4	Vase	✘	Yellow fall color with purple tips, strong upright structure
City Sprite Zelkova	*Zelkova serrata 'City Sprite'*	24	18	4	Oval	✔	Dense compact crown, low maintenance
Musashino Zelkova	*Zelkova serrata 'Musashino'*	45	20	4	Columnar	✘	Very narrow upright vase shape. Medium green foliage. Ideal for narrow street use with good clearance beneath the canopy.
Wireless™ Zelkova	*Zelkova serrata 'Schmidtlow'*	24	36	4	Vase	✔	Broadly spreading vase. Medium green foliage. Red fall color.
State Street™ Maple	*Acer miyabei 'Morton'*	45	30	6	Oval	✘	Dark green foliage. Yellow fall color.
Sycamore Maple	*Acer pseudoplatanus*	50	40	6	Oval	✘	Green foliage. Yellow fall color.
Wineleaf Sycamore Maple	*Acer pseudoplatanus 'Spaethii'*	40	30	6	Pyramidal	✘	Dark green foliage
Brandywine Maple	*Acer rubrum 'Brandywine'*	40	35	6	Oval	✘	Introduced by the National Arboretum. Cross of October Glory™ + Autumn Flame. Deep red fall color 10 days later than most red maples.

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All measurements are in feet

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Embers Red Maple	*Acer rubrum 'Embers'*	40	35	6	Globe	✘	Green foliage. Bright red fall color.
Red Sunset Maple	*Acer rubrum 'Franksred'*	45	35	6	Oval	✘	Dark green glossy foliage. Brilliant orange red to red fall color. Developed in Gresham by J. Frank Schmidt Nursery.
Morgan Maple	*Acer rubrum 'Morgan'*	45	40	6	Oval	✘	Medium green foliage. Orange-red to red fall color.
New World Maple	*Acer rubrum 'New World'*	40	20	6	Columnar	✘	Flaring shape allows traffic below. Bright orange fall color.
Northwood Maple	*Acer rubrum 'Northwood'*	40	35	6	Oval	✘	Medium to dark green foliage. Reddish fall color.
October Glory™ Maple	*Acer rubrum 'October Glory'™*	40	35	6	Oval	✘	Medium green foliage. Red purple fall color.
Red Sunset Red Maple	*Acer rubrum 'Red Sunset'*	45	30	6	Columnar	✘	Attractive bark, red or orange fall color, provide good drainage in clay soil
Scarlet Sentinel™ Maple	*Acer rubrum 'Scarsen'*	40	20	6	Columnar	✘	Upright rather narrow. Dark green foliage. Yellow orange to orange red fall color. Good for streets + parking lots.
Schlesinger Maple	*Acer rubrum 'Schlesingeri'*	45	35	6	Vase	✘	Medium green foliage. Orange to orange red fall color.
Sun Valley Maple	*Acer rubrum 'Sun Valley'*	40	35	6	Oval	✘	U. S. Arboretum introduction. A hybrid between Red Sunset + Autumn Flame. Oval, symmetrical, densely branched, seedless. Reliably bright red fall color.
Autumn Flame Red Maple	*Acer rubrum 'Autumn Flame'*	50	40	6	Oval	✘	Fall color, many varieties such as 'Armstrong', 'Bowhall', 'Franks Red', 'Morgan', & 'Scarsen'
October Glory Red Maple	*Acer rubrum 'October Glory'*	45	45	6	Globe	✘	Attractive bark, red or orange fall color, provide good drainage in clay soil
Redpointe Maple	*Acer rubrum 'Redpointe'*	45	30	6	Pyramidal	✘	Strong central leader; urban tolerant; bright red in fall
Commemoration Maple	*Acer saccharum 'Commemoration'*	50	35	6	Oval	✘	Fast growing; develops good caliper as a young tree
Green Mountain™ Maple	*Acer saccharum 'Green Mountain'™*	45	35	6	Oval	✘	Dark green foliage. Reddish ornate to red fall color.
Legacy Maple	*Acer saccharum 'Legacy'*	50	35	6	Oval	✘	Glossy leaves; orange-red in fall
Keithsform Sunset Maple	*Acer truncatum x A. platanoides 'Keithsform'*	35	25	6	Oval	✘	Oval with dark green foliage and yellow-orange to red fall color. Nice branch structure.
Norwegian Sunset Maple	*Acer truncatum x A. platanoides 'Norwegian Sunset'*	35	25	6	Oval	✘	Uniform canopy; orange/red in fall
Pacific Sunset Maple	*Acer truncatum x A. platanoides 'Warrenred'*	30	25	6	Globe	✔	Dark green foliage becomes yellow, orange + red in fall.
Autumn Blaze Maple	*Acer x freemanii 'Jeffersred'*	50	30	6	Oval	✘	Good fall color. Established trees have some tolerance for drought conditions.
Jacquemontii Birch	*Betula utilis var. jacquemontii*	40	30	6	Oval	✘	Glossy, dark green leaves turn yellow in fall. Very white bark.
Hackberry	*Celtis occidentalis*	40	30	6	Globe	✘	Round in habit. Bright green foliage. Yellow fall color.
Magnifica Hackberry	*Celtis occidentalis' Magnifica"*	45	35	6	Oval	✘	Very urban tolerant; rarely lifts sidewalks
Pyramidal Beech	*Fagus sylvatica 'Fastigiata'*	45	15	6	Columnar	✘	Deep green foliage is with a change to bronze in fall
Tricolor Beech	*Fagus sylvatica 'Roseo-marginata'*	35	25	6	Oval	✘	Oval habit. Purple leaves have a rose-pink + cream border.
White Ash	*Fraxinus americana*	60	45	6	Globe	✘	Plant seedless varieties
Autumn Purple™ Ash	*Fraxinus americana 'Autumn Purple'™*	45	40	6	Globe	✘	Rounded shape. Green heavily textured foliage. Reddish purple fall color. Seedless.
Empire Ash	*Fraxinus americana 'Empire'*	50	25	6	Columnar	✘	Unusually narrow upright fast growing. Medium green foliage. Rusty orange to purplish fall color. Seedless.
Raywood Ash	*Fraxinus oxycarpa 'Raywood'*	35	25	6	Oval	✘	Oval with dense crown. Narrow green leaflets. Reddish purple fall color. Delicate fine-textured appearance.

Street Tree List - Recommended Species

Forms: Globe, Narrow Column, Oval, Pyramid, Umbrella, Vase

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All measurements are in feet

Common Name	Botanical Name	Mature Height	Canopy Spread	Min. Planting Space Width	Form	Compatible with Overhead Wires	Remarks
Patmore Ash	*Fraxinus pennsylvanica 'Patmore'*	45	35	6	Vase	✘	Symmetrical upright branches. Dark green glossy foliage. Yellow fall color.
Urbanite Ash	*Fraxinus pennsylvanica 'Urbanite'*	50	40	6	Pyramidal	✘	Pyramidal with lustrous dark green foliage. Bronze in fall.
Autumn Gold Ginkgo	*Ginkgo biloba 'Autumn Gold'*	45	35	6	Globe	✘	Narrow form in youth broadens with age. Medium green foliage. Striking golden yellow fall color is characteristic of this seedless clone. Male only.
Saratoga Ginkgo	*Ginkgo biloba 'Saratoga'*	35	30	6	Globe	✘	Extremely free of pests. Very tolerant of pollution and salt. Requires little maintenance. Slow growing + long lived. Yellow fall color. Male only.
Halka Ginkgo	*Ginko biloba 'Halka'*	45	40	6	Globe	✘	Uniform + symmetrical branching.
Halka™ Honeylocust	*Gleditsia tricanthos 'Christie'*	55	40	6	Globe	✘	Green foliage. Yellow fall color.
Mountain Silverbells	*Halesia monticola*	40	25	6	Globe	✘	White bell shaped flowers; yellow fall color
Emerald City Tulip Tree	*Liriodendron tulipifera 'JFS-OZ'*	55	25	6	Pyramidal		
Yulan Magnolia	*Magnolia denudata*	35	30	6	Pyramidal	✘	White, fragrant flowers
Kobus Magnolia	*Magnolia kobus*	40	30	6	Globe	✘	Green leaves. White flowers.
Sweet Bay Magnolia	*Magnolia virginiana*	25	35	6	Globe	✔	Early-spring blossoms are creamy white. Medium fast-growing, good pollution tolerance.
European Hophornbeam	*Ostrya carpinifolia*	40	25	6	Globe	✘	Nutlets in hop-like bunches
American Hophornbeam	*Ostrya virginiana*	35	25	6	Oval	✘	Medium green foliage. Yellow fall color.
Sourwood	*Oxydendrum arboreum*	35	20	6	Pyramidal	✘	Dark green leaves turn orange + scarlet in fall. Showy white flowers in summer.
Amur Corktree	*Phellodendron amurense*	40	30	6	Globe	✘	Fragrant leaves + fruit
Newport Plum	*Prunus cerasifera 'Newport'*	20	20	6	Globe	✔	Globe-shaped habit. Dark purple leaves change to reddish in fall. Flower is light pink. Dull purple fruit.
Thundercloud Plum	*Prunus cerasifera 'Thundercloud'*	20	20	6	Globe	✔	Retains deep purple leaf color through the growing season, pink flowers
Mt. St. Helens Plum	*Prunus 'Frankthrees'*	20	20	6	Vase	✔	Dense crown, purple foliage emerges early, light pink flowers
Flowering Cherry 'Kwanzan'	*Prunus 'Kwanzan'*	30	20	6	Vase	✔	Vase-shaped habit. Dark green foliage becomes bronze or orange in fall. Deep pink flower. Minimum 6 foot graft.
Akebono Flowering Cherry	*Prunus x yedoensis 'Akebono'*	25	25	6	Vase	✔	Upright spreading with bright green foliage. Delicate pink flowers in spring. Yellowish fall color.
Yoshino Cherry	*Prunus x yeodoensis*	30	30	6	Umbrella	✔	Spreading in habit. Green foliage. Yellow fall color. White flowers with pink tint.
Aristocrat Pear	*Pyrus calleryana 'Aristocrat'*	40	28	6	Pyramidal	✘	Narrow, dark, glossy green leaves. White flowers. Storm resistant + informal appearance.
Rancho Pear	*Pyrus calleryana 'Rancho'*	35	30	6	Columnar	✘	Narrow upright. White flowers.
Trinity Pear	*Pyrus calleryana 'Trinity'*	30	25	6	Oval	✔	Glossy green foliage. Orange red fall color. White flowers.
Swamp White Oak	*Quercus bicolor*	60	25	6	Globe	✘	Upper + lower leaf surfaces contrast in color, attracts wildlife
Scarlet Oak	*Quercus coccinea*	50	40	6	Oval	✘	Oval, open in habit. Bright green foliage. Scarlet fall color.
Skymaster™ Oak	*Quercus robur 'Skymaster™'*	50	25	6	Oval	✘	Dark green foliage. Yellow fall color.
Regal Prince Oak	*Quercus robur x bicolor 'Long'*	45	18	6	Columnar	✘	
Shumard Oak	*Quercus shumardii*	50	40	6	Oval	✘	Thrives in areas with poor drainage, attracts wildlife

Street Tree List - Recommended Species

Forms: Globe, Narrow Column, Oval, Pyramid, Umbrella, Vase

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Beijing Gold Tree Lilac	*Syringa pekinensis 'Zhang Zhiming'*	20	20	6	Vase	✔	Upright spreading crown, sprays of yellow flowers in June
American Linden	*Tilia americana*	60	30	6	Globe	✘	Tolerant of urban stresses
Continental Appeal Linden	*Tilia americana 'Continental Appeal'*	50	28	6	Oval	✘	
Greenspire™ Linden	*Tilia cordata 'Greenspire™ '*	40	30	6	Pyramidal	✘	Symmetrical. Dark green foliage. Yellow fall color.
Glenleven Linden	*Tilia cordata 'Glenleven'*	45	30	6	Pyramidal	✘	Vigorous pyramidal. Medium green foliage. Yellow fall color. More informal than Greenspire™.
Rancho Linden	*Tilia cordata 'Rancho'*	40	30	6	Vase	✘	Vigorous upright. Small leaves.
Harvest Gold Linden	*Tilia cordatax mongolica 'Harvet Gold'*	40	30	6	Pyramidal	✘	Attractive bark, bright golden yellow fall color
Crimean Linden	*Tilia x euchlora*	40	35	6	Pyramidal	✘	Glossy foliage; yellow in fall
Sterling Silver Linden	*Tilia tomentosa 'Sterling'*	45	35	6	Pyramidal	✘	Broadly pyramidal, neat and symmetrical. Green leaves are silver-gray underneath. Yellow fall color. Fast growing.
Triumph™ Elm	*Ulmus 'Morton Glossy'*	70	60	6	Oval	✘	Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.
Frontier Elm	*Ulmus americana 'Frontier'*	40	30	6	Globe	✘	Pest and disease resistant, substitute for American Elm
Accolade™ Elm	*Ulmus japonica x wilsonia*	70	60	6	Vase	✘	Vase shaped with arching limbs. Glossy dark green foliage. Yellow fall color. Resistant to elm leaf beetle and Dutch elm disease.
Allé Lacebark Elm	*Ulmus parvifolia 'Elmer II'*	50	35	6	Vase		
Prospector Elm	*Ulmus wilsoniana*	40	30	6	Vase	✘	Substitute for American Elm due pest and disease resistance
Patriot Elm	*Ulmus'Patriot'*	50	40	6	Vase	✘	Substitute for American Elm due pest and disease resistance
Zelkova	*Zelkova serrata*	65	50	6	Oval	✘	Attractive shade tree
Green Vase™ Zelkova	*Zelkova serrata 'Green Vase'™*	50	40	6	Vase	✘	Vase shape with upright arching branches in habit. Green foliage. Orange fall color.
Halka™ Zelkova	*Zelkova serrata 'Halka'™*	50	30	6	Vase	✘	Upright vase shaped. Long arching branches, canopy similar to American Elm. Medium green foliage. Yellow fall color.
Village Green Zelkova	*Zelkova serrata 'Village Green'*	50	40	6	Vase	✘	Orange-brown to bronze-red fall color
Trident Maple	*Acer buergeranum*	25	20	8	Oval	✔	Dark green foliage turns yellow and orange in fall.
Red Maple	*Acer rubrum*	50	45	8	Globe	✘	Leaves are medium to dark green, becoming orange or red in fall.
Bonfire Maple	*Acer saccharum 'Bonfire'*	50	40	8	Globe	✘	Fast growing; orange-red in fall
Red Horse Chestnut	*Aesculus x carnea*	30	35	8	Globe	✔	Long rosy cluster; small variety; spiky nuts
Heritage River Birch	*Betula nigra 'Heritage'*	45	30	8	Oval	✘	Attractive bark, gold in fall
Canoe or Paper Birch	*Betula papyrifera*	50	35	8	Oval	✘	Dark green foliage. Yellow fall color. The most permanent of the birches.
Catalpa	*Catalpa speciosa*	60	40	8	Globe	✘	Withstands hot, dry environments. Medium to fast growth rate. Foliage green, then yellow in fall. Has white flowers. Seed capsules can be messy.
Giant Dogwood	*Cornus contoroversa*	30	40	8	Vase	✔	Large white flowers; red fall color, fast growing
Hardy Rubber Tree	*Eucommia ulmoides*	50	50	8	Globe	✘	Rubber is extracted from the wood
Rivers Purple Beech	*Fagus sylvatica 'Riversii'*	50	40	8	Oval	✘	Deep purple foliage with no change in fall, attractive bark
Green Ash	*Fraxinus pennsylvanica*	50	40	8	Oval	✘	Plant seedless varieties

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Kentucky Coffeetree 'Espresso'	*Gymnocladus dioicus 'Espresso'*	70	40	8	Vase	✘	Green foliage.
Tulip Tree	*Liriodendron tulipifera*	80	35	8	Oval	✘	Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.
Scotch Pine	*Pinus sylvestris*	50	40	8	Pyramidal	✘	Evergreen conifer, striking orange bark
London Planetree	*Platanus x acerifolia 'Bloodgood'*	50	40	8	Pyramidal	✘	Broadly pyramidal. Shedding bark produces mottled brown and cream pattern. This variety is more resistant to anthracnose than species.
Autumn Blaze Pear	*Pyrus calleryana 'Autumn Blaze'*	30	25	8	Globe	✔	Rounded shape with spreading branches. Foliage emerges with a red tint + matures to glossy green. White flowers. Purplish-red fall color.
Silver Leaf Oak	*Quercus hypoleucoides*	60	35	8	Globe	✘	Silvery foliage
Shingle Oak	*Quercus imbricaria*	50	40	8	Oval	✘	Transplants readily; beautiful summer foliage
Bur Oak	*Quercus macrocarpa*	65	50	8	Oval	✘	Upright crown becomes round and spreading with maturity, attracts wildlife
Willow Oak	*Quercus phellos*	60	45	8	Pyramidal	✘	Tolerant of urban stresses
English Oak	*Quercus robur*	50	40	8	Globe	✘	Sturdy + adaptable tree with broad, rounded habit. Deep green foliage with yellow-brown fall color.
Red Oak	*Quercus rubra*	60	45	8	Oval	✘	Beautiful fall color
Bald Cypress	*Taxodium distichum*	55	30	8	Pyramidal	✘	Deciduous conifer; wet/dry sites; urban tolerant
Pioneer Elm	*Ulmus 'Pioneer'*	50	50	8	Vase	✘	Substitute for American Elm due pest and disease resistance
Silver Fir	*Abies amabilis*	50	40	10	Pyramidal	✘	Needs lots of room to grow. Dark green evergreen needles, silvery underneath, curve upward along the branches.
Grand Fir	*Abies grandis*	100	40	10	Pyramidal	✘	One of the largest firs, can grow up to 300 feet.
Bigleaf Maple	*Acer macrophyllum*	70	60	10	Globe	✘	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.
Sugar Maple	*Acer saccharum*	100	50	10	Oval	✘	Great fall colors. Does not perform well in compacted or restricted areas.
Incense-Cedar	*Calocedrus decurrens*	80	20	10	Columnar	✘	Drought tolerant
Atlas Cedar	*Cedrus atlantica*	65	40	10	Pyramidal	✘	Blue green needles, fragrant
Deodar Cedar	*Cedrus deodara*	80	40	10	Pyramidal	✘	Drought tolerant, attractive bark, weeping cultivar 'pendula' available
Hinoki Falsecypress	*Chamaecyparis obtusa*	50	20	10	Pyramidal	✘	Attractive bark, susceptible to spider mites
Pacific Dogwood	*Cornus nuttallii*	50	20	10	Oval	✘	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.
Dove Tree	*Davidia involucrata*	35	30	10	Globe	✘	Dove-like flowers
American Beech	*Fagus grandifolia*	50	40	10	Oval	✘	Slow growing; striking gray bark
European Beech	*Fagus sylvatica*	50	40	10	Oval	✘	Beautiful bark
Oregon Ash	*Fraxinus latifolia*	75	25	10	Globe	✘	Light green leaves, 6-12 inches long. Will grow in standing water during winter months. Needs no dry-season water.
Dawn Redwood	*Metasequoia glyptostroboides*	70	25	10	Pyramidal	✘	Deciduous conifer, looks like a redwood in summer
Norway Spruce	*Picea abies*	100	30	10	Pyramidal	✘	Good windbreak

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Engelmann Spruce	*Picea engelmannii*	100	30	10	Pyramidal	✘	Susceptible to spruce budworm
Colorado Spruce	*Picea pungens*	65	20	10	Pyramidal	✘	Blue-green needles
Sitka Spruce	*Picea sitchensis*	120	40	10	Pyramidal	✘	Needs ample water
Lacebark Pine	*Pinus bungeana*	50	30	10	Pyramidal	✘	Spreading nature, often with multiple trunks, attractive bark
Shore Pine	*Pinus contorta*	50	25	10	Pyramidal	✘	
Lodgepole Pine	*Pinus contorta var. latifolia*	50	25	10	Pyramidal	✘	Medium green needles
Western White Pine	*Pinus monticola*	85	50	10	Pyramidal	✘	Drought tolerant
Austrian Pine	*Pinus nigra*	55	40	10	Pyramidal	✘	Dark green needles
Arnold Sentinel Austrian Pine	*Pinus nigra 'Arnold Sentinel'*	30	10	10	Columnar	✔	Dense foliage, narrow crown, slow growing
Ponderosa Pine	*Pinus ponderosa*	100	30	10	Pyramidal	✘	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.
Fastigiate White Pine	*Pinus strobus 'Fastigiata'*	40	10	10	Pyramidal	✘	Narrow form, plant in groups to create a hedge
Japanese Black Pine	*Pinus thunbergiana*	30	20	10	Pyramidal	✔	Irregular shape
Zebrina Himalayan Pine	*Pinus wallinchiana 'Zebrina'*	30	20	10	Oval	✔	Dwarf pine, slow growing
Douglas Fir	*Pseudotsuga menziesii*	100	60	10	Pyramidal	✘	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.
Oregon White Oak	*Quercus garryana*	65	45	10	Globe	✘	Slow to moderate growth. Branches often twisted. Summer irrigation not beneficial.
Pin Oak	*Quercus palustris*	65	30	10	Globe	✘	Leaves hang on the tree in fall
Coast Redwood	*Sequoia sempervirens*	100	60	10	Pyramidal	✘	Generally considered the world 's tallest tree. Soft small evergreen needles, very small cones, red bark. Plant away from vision sensitive areas.
Giant Sequoia	*Sequoiadendron giganteum*	100	40	10	Pyramidal	✘	Largest living organism on earth, long-lived
Western Red Cedar	*Thuja plicata*	100	30	10	Pyramidal	✘	Evergreen. Thrives in moist conditions. Stringy reddish bark. Trunk is wide + fluted at bottom. High relocate success.
Western Hemlock	*Tsuga heterophylla*	100	40	10	Pyramidal	✘	Feathery evergreen foliage. Small light-brown cones are produced in great quantities. Prefers full sun to full shade + moist to seasonally wet soil.
Lacebark Elm	*Ulmus parvifolia*	60	50	10	Umbrella	✘	Interesting mottled bark
Oregon Myrtle	*Umbellularia californica*	30	40	10	Oval	✔	

Parking 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
Halka™ Honeylocust	*Gleditsia tricanthos 'Christie'*	55	40	4	Globe
Honeylocust Shademaster	*Gleditsia triacanthos Shademaster*	45	35	4	Vase
Skyline™ Honeylocust	*Gleditsia triacanthos 'Skycole'*	45	35	4	Pyramidal
Sterling Silver Linden	*Tilia tomentosa 'Sterling'*	45	35	4	Pyramidal
Lacebark Elm Allee	*Ulmus parvifolia*	60	50	4	Umbrella
Sycamore Maple	*Acer pseudoplatanus*	50	40	6	Oval
Brandywine Maple	*Acer rubrum 'Brandywine'*	40	35	6	Oval
Embers Red Maple	*Acer rubrum 'Embers'*	40	35	6	Globe
Red Sunset Maple	*Acer rubrum 'Franksred'*	45	35	6	Oval
Morgan Maple	*Acer rubrum 'Morgan'*	45	40	6	Oval
Northwood Maple	*Acer rubrum 'Northwood'*	40	35	6	Oval
October Glory™ Maple	*Acer rubrum 'October Glory'™*	40	35	6	Oval
Schlesinger Maple	*Acer rubrum 'Schlesingeri'*	45	35	6	Vase
Sun Valley Maple	*Acer rubrum 'Sun Valley'*	40	35	6	Oval
Scarlet Sentinel R	*Acer rubrum 'Scarscen'*	40	20	6	Oval
Redpointe R	*Acer rubrum 'Frank Jr.'*	45	30	6	Pyramidal
Autumn Flame Red Maple	*Acer rubrum 'Autumn Flame'*	50	40	6	Oval
October Glory Red Maple	*Acer rubrum 'October Glory'*	45	45	6	Globe
Green Mountain™ Maple	*Acer saccharum 'Green Mountain'™*	45	35	6	Oval
Magnifica Hackberry	*Celtis occidentalis' Magnifica"*	45	35	6	Oval
White Ash	*Fraxinus americana*	60	45	6	Globe
Autumn Purple™ Ash	*Fraxinus americana 'Autumn Purple'™*	45	40	6	Globe
Patmore Ash	*Fraxinus pennsylvanica 'Patmore'*	45	35	6	Vase
Autumn Gold Ginkgo	*Ginkgo biloba 'Autumn Gold'*	45	35	6	Globe
Halka Ginkgo	*Ginko biloba 'Halka'*	45	40	6	Globe
Presidential Gold Ginkgo	*Ginkgo biloba 'The President'*	50	40	6	Globe
Fruitless Mulberry	*Morus alba*	35	40	6	Globe
Sawtooth Oak	*Quercus acutissima*	40	40	6	Umbrella
Scarlet Oak	*Quercus coccinea*	50	40	6	Oval
Shumard Oak	*Quercus shumardii*	50	40	6	Oval
Crimean Linden	*Tilia x euchlora*	40	35	6	Pyramidal
Triumph™ Elm	*Ulmus 'Morton Glossy'*	70	60	6	Oval
Accolade™ Elm	*Ulmus japonica x wilsonia*	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.

Compatible with Overhead 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

Forms

All measurements are in feet

Common Name	Botanical Name	Mature Height	Canopy Spread	Min. Planting Space Width	Form
Patriot Elm	*Ulmus'Patriot'*	50	40	6	Vase
Zelkova	*Zelkova serrata*	65	50	6	Oval
Green Vase™ Zelkova	*Zelkova serrata 'Green Vase'™*	50	40	6	Vase
Village Green Zelkova	*Zelkova serrata 'Village Green'*	50	40	6	Vase
Red Maple	*Acer rubrum*	50	45	8	Globe
Sugar Maple	*Acer saccharum*	100	50	8	Oval
Bonfire Maple	*Acer saccharum 'Bonfire'*	50	40	8	Globe
Commemoration Maple	*Acer saccharum 'Commemoration'*	50	35	8	Oval
Legacy Maple	*Acer saccharum 'Legacy'*	50	35	8	Oval
Canoe or Paper Birch	*Betula papyrifera*	50	35	8	Oval
Rivers Purple Beech	*Fagus sylvatica 'Riversii'*	50	40	8	Oval
American Beech	*Fagus grandifolia*	50	40	8	Oval
European Beech	*Fagus sylvatica*	50	40	8	Oval
Purple Rivers Beech	*Fagus sylvatica 'Riversii'*	60	40	8	Oval
Green Ash	*Fraxinus pennsylvanica*	50	40	8	Oval
Urbanite Ash	*Fraxinus pennsylvanica 'Urbanite'*	50	40	8	Pyramidal
Kentucky Coffeetree	*Gymnocladus dioicus*	70	40	8	Globe
Tulip Tree	*Liriodendron tulipifera*	80	35	8	Oval
Emerald City Tulip Tree	*Liriodendron tulipifera 'JFS-OZ'*	55	25	8	Oval
London Planetree	*Platanus x acerifolia 'Bloodgood'*	50	40	8	Pyramidal
Exclamation ™	*Platanus x acerifolia 'Morton Circle'*	50	25	8	Pyramidal
Red Oak	*Quercus rubra*	65	50	8	Globe
Shingle Oak	*Quercus imbricaria*	50	40	8	Oval
Bur Oak	*Quercus macrocarpa*	65	50	8	Oval
Willow Oak	*Quercus phellos*	60	45	8	Pyramidal
English Oak	*Quercus robur*	50	40	8	Globe
Bigleaf Maple	*Acer macrophyllum*	70	60	10	Globe
Oregon White Oak	*Quercus garryana*	65	45	10	Globe

✓ = Okay to plant under overhead utility lines
✗ = 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.

Compatible with Overhead Wires	Remarks
▯	Substitute for American elm due pest + disease resistance
▯	Attractive shade tree
▯	Vase shape with upright arching branches in habit. Green foliage. Orange fall color.
▯	Orange-brown to bronze-red fall color
▯	Leaves are medium to dark green, becoming orange or red in fall.
▯	Great fall colors. Does not perform well in compacted or restricted areas.
▯	Fast growing; orange-red in fall
▯	Fast growing; develops good caliper as a young tree
▯	Glossy leaves; orange-red in fall
▯	Dark green foliage. Yellow fall color. The most permanent of the birches.
▯	Deep purple foliage with no change in fall, attractive bark
▯	Slow growing; striking grey bark
▯	Beautiful bark
▯	Oval in habit. Deep purple foliage. Bronze fall color.
▯	Plant seedless varieties
▯	Pyramidal with lustrous dark green foliage. Bronze in fall.
▯	Green foliage.
▯	Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.
▯	Deep green glossy leaves. Yellow fall color. Flowering.
▯	Broadly pyramidal. Shedding bark produces mottled brown + cream pattern. This variety is more resistant to anthracnose than species.
▯	Uniform and upright. Green-yellow fall color.
▯	Round in habit. Green foliage. Red fall color.
▯	Transplants readily; beautiful summer foliage
▯	Upright crown becomes round + spreading with maturity, attracts wildlife
▯	Tolerant of urban stresses
▯	Sturdy + adaptable tree with broad + rounded habit. Deep green foliage with yellow-brown fall color.
▯	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.
▯	Slow to moderate growth. Branches often twisted. Summer irrigation not beneficial.

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

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

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

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

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

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

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

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

Compatible with Overhead 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

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

Compatible with Overhead Wires	Remarks
▯	Green foliage. Yellow fall color.
▯	White bell shaped flowers; yellow fall color
▯	Fruitless
▯	Nutlets in hop-like bunches
▯	Fragrant leaves and fruit
▯	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 upright. White flowers.
▯	Glossy green foliage. Orange red fall color. White flowers.
▯	Bronze fall color or no change
▯	Upper + lower leaf surfaces contrast in color, attracts wildlife
▯	Hardy to USDA zone 7. Native to southwest Oregon, California, Nevada, Arizona.
▯	Oval, open in habit. Bright green foliage. Scarlet fall color.
▯	Dark green foliage. Yellow fall color.
▯	Thrives in areas with poor drainage, attracts wildlife
▯	Tallest native willow
▯	Drought tolerant
▯	Tolerant of urban stresses
▯	
▯	Light green foliage. Yellowish fall color.
▯	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
▯	Upright oval to vase shape. Glossy dark green foliage. Yellow fall color.
▯	Pest + disease resistant, substitute for American elm
▯	
▯	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 pest and disease resistance
▯	Substitute for American elm due 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.

Buffer Tree List - Approved Species

Forms

All measurements are in feet

Common Name	Botanical Name	Mature Height	Canopy Spread	Min. Planting Space Width	Form
Village Green Zelkova	*Zelkova serrata 'Village Green'*	50	40	6	Vase
Red Maple	*Acer rubrum*	50	45	8	Globe
Bonfire Maple	*Acer saccharum 'Bonfire'*	50	40	8	Globe
Commemoration Maple	*Acer saccharum 'Commemoration'*	50	35	8	Oval
Legacy Maple	*Acer saccharum 'Legacy'*	50	35	8	Oval
Heritage River Birch	*Betula nigra 'Heritage'*	45	30	8	Oval
Canoe or Paper Birch	*Betula papyrifera*	50	35	8	Oval
Catalpa	*Catalpa speciosa*	60	40	8	Globe
Hardy Rubber Tree	*Eucommia ulmoides*	50	50	8	Globe
Rivers Purple Beech	*Fagus sylvatica 'Riversii'*	50	40	8	Oval
American Beech	*Fagus grandifolia*	50	40	8	Oval
European Beech	*Fagus sylvatica*	50	40	8	Oval
Purple Rivers Beech	*Fagus sylvatica 'Riversii'*	60	40	8	Oval
Green Ash	*Fraxinus pennsylvanica*	50	40	8	Oval
Urbanite Ash	*Fraxinus pennsylvanica 'Urbanite'*	50	40	8	Pyramidal
Maidenhair Tree	*Ginkgo biloba*	60	45	8	Columnar
Kentucky Coffeetree	*Gymnocladus dioicus*	70	40	8	Globe
September Goldenrain	*Koelreuteria paniculata 'September'*	30	25	8	Globe
Tuliptree	*Liriodendron tulipifera*	80	35	8	Oval
Dawn Redwood	*Metasequoia glyptostroboides*	70	25	8	Pyramidal
Limber Pine	*Pinus flexilis 'Vanderwolf's Pyramid'*	25	15	8	Pyramidal
London Planetree	*Platanus x acerifolia 'Bloodgood'*	50	40	8	Pyramidal
Red Oak	*Quercus rubra*	65	50	8	Globe
Silver Leaf Oak	*Quercus hypoleucoides*	60	35	8	Globe
Shingle Oak	*Quercus imbricaria*	50	40	8	Oval
Bur Oak	*Quercus macrocarpa*	65	50	8	Oval
Willow Oak	*Quercus phellos*	60	45	8	Pyramidal
English Oak	*Quercus robur*	50	40	8	Globe
Red Oak	*Quercus rubra*	60	45	8	Oval
Bald Cypress	*Taxodium distichum*	55	30	8	Pyramidal
Pioneer Elm	*Ulmus 'Pioneer'*	50	50	8	Vase

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

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

Compatible with Overhead Wires	Remarks
▯	Orange-brown to bronze-red fall color
▯	Leaves are medium to dark green, becoming orange or red in fall.
▯	Fast growing; orange-red in fall
▯	Fast growing; develops good caliper as a young tree
▯	Glossy leaves; orange-red in fall
▯	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.
▯	Rubber is extracted from the wood
▯	Deep purple foliage with no change in fall, attractive bark
▯	Slow growing; striking grey bark
▯	Beautiful bark
▯	Oval in habit. Deep purple foliage. Bronze fall color.
▯	Plant seedless varieties
▯	Pyramidal with lustrous dark green foliage. Bronze in fall.
▯	Many large stature varieties available, plant males only
▯	Green foliage.
▯	Green leaves. Yellow and orange fall color. Yellow flowers.
▯	Medium green leaves have interesting shape. Bright, transparent yellow fall color. Greenish-yellow flower with orange center.
▯	Deciduous conifer, looks like a redwood in summer
▯	Slow grower.
▯	Broadly pyramidal. Shedding bark produces mottled brown and cream pattern. This variety is more resistant to anthracnose than species.
▯	Round in habit. Green foliage. 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 and adaptable tree with broad and rounded habit. Deep green foliage with yellow-brown fall color.
▯	Beautiful fall color
▯	Deciduous conifer; wet/dry sites; urban tolerant
▯	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	*Abies amabilis*	50	40	10	Pyramidal
Grand Fir	*Abies grandis*	100	40	10	Pyramidal
Bigleaf Maple	*Acer macrophyllum*	70	60	10	Globe
Sugar Maple	*Acer saccharum*	100	50	10	Oval
Incense Cedar	*Calocedrus decurrens*	80	20	10	Pyramidal
Deodar Cedar	*Cedrus deodara*	80	40	10	Pyramidal
Atlas Cedar	*Cedrus atlantica*	50	20	10	Pyramidal
Oregon Ash	*Fraxinus latifolia*	75	25	10	Globe
Saucer Magnolia	*Magnolia x soulangeana*	25	25	10	Pyramidal
Colorado Blue Spruce	*Picea pungens*	65	20	10	Pyramidal
Shore Pine	*Pinus contorta*	50	25	10	Pyramidal
Austrian Pine	*Pinus nigra*	55	40	10	Pyramidal
Ponderosa Pine	*Pinus ponderosa*	100	30	10	Pyramidal
Eastern White Pine	*Pinus strobus*	80	20	10	Pyramidal
Scots Pine	*Pinus sylvestris*	50	20	10	Pyramidal
Japanese Black Pine	*Pinus thunbergiana*	30	20	10	Pyramidal
Douglas Fir	*Pseudotsuga menziesii*	100	40	10	Pyramidal
Oregon White Oak	*Quercus garryana*	65	45	10	Globe
Pin Oak	*Quercus palustris*	65	30	10	Globe
Giant Sequoia	*Sequoiadendron gigantea*	100	40	10	Pyramidal
Western Red Cedar	*Thuja plicata*	100	30	10	Pyramidal
Hogan Cedar	*Thuja plicata 'Hogan'*	100	20	10	Pyramidal
Western Hemlock	*Tsuga heterophylla*	100	40	10	Pyramidal
Lacebark Elm	*Ulmus parvifolia*	60	50	10	Umbrella

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Compatible with Overhead 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 botttom.
▯	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

Friends of Trees
www.FriendsofTrees.org

Arbor Day Foundation
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.

NOTES

City of Gresham
URBAN DESIGN AND PLANNING
503-618-2235

GRESHAMOREGON.GOV/TREES