

Appendix 2

Street Tree List - Small Stature Trees (up to 25' in height at maturity)

Common Name	Scientific Name	Height (feet)	Spread (feet)	Canopy Area	Soil Type	Suitable for Under		Special Features/Considerations
						Powerlines		
Paperbark Maple	<i>Acer griseum</i>	25'	25'	491 sq. ft.	all	Yes*		peeling bark, tolerates some shade
Tatarian Maple	<i>Acer tataricum</i>	20'	20'	314 sq. ft.	all	Yes		tolerant of urban stresses
Trident Maple	<i>Acer buergerianum</i>	25'	20'	314 sq. ft.	all	Yes		tolerant of urban stresses
Serviceberry	<i>Amelanchier x grandiflora</i>	25'	15'	177 sq. ft.	well drained	Yes		white flowers, edible fruit
Western Serviceberry	<i>Amelanchier alnifolia</i>	20'	20'	314 sq. ft.	loam	Yes		native to Portland metropolitan region
American Hornbeam	<i>Carpinus caroliniana</i>	25'	20'	314 sq. ft.	all	No		needs ample water
Eastern Redbud	<i>Cercis canadensis</i>	25'	25'	491 sq. ft.	all	Yes		pink flowers in spring before leaves emerge
Glorybower Tree	<i>Clerodendrum trichotomum</i>	20'	20'	314 sq. ft.	all	Yes		colorful flowers in summer, blue berries in fall
Kousa Dogwood	<i>Cornus kousa</i>	25'	25'	491 sq. ft.	all	Yes		shade tolerant
Flowering Dogwood	<i>Cornus florida</i>	25'	25'	491 sq. ft.	all	Yes		large number of varieties available
Lavalle Hawthorne	<i>Crataegus x lavallei</i>	25'	20'	314 sq. ft.	all	Yes		white flowers in May, orange-red fruit persist into Winter
Black Hawthorne	<i>Crataegus douglasii</i>	25'	20'	314 sq. ft.	all	Yes		native to Portland metropolitan region, has thorns
Golden Desert Ash	<i>Fraxinus excelsior</i> 'Golden Desert'	20'	20'	314 sq. ft.	all	Yes		golden twigs
Flowering Ash	<i>Fraxinus ornus</i>	25'	25'	491 sq. ft.	all	Yes		fragrant flowers
Merrill Magnolia	<i>Magnolia x loebneri</i> 'Merrill'	25'	25'	491 sq. ft.	all	No		fragrant white flowers
Southern Magnolia	<i>Magnolia grandiflora</i> 'Victoria' or 'Little Gem'	25'	25'	491 sq. ft.	all	No		broadleaf evergreen, large fragrant white flowers
Prairiefire Crabapple	<i>Malus spp.</i> 'Prairiefire'	20'	20'	314 sq. ft.	all	Yes		disease resistant
Japanese Stewartia	<i>Stewartia pseudocamellia</i>	25'	25'	491 sq. ft.	loam	No		needs ample water
Japanese Snowbell	<i>Stryax japonicus</i>	25'	25'	491 sq. ft.	well drained	Yes		white flowers hang down from branches
Japanese Tree Lilac	<i>Syringa reticulata</i>	20'	15'	177 sq. ft.	well drained	Yes		showy, creamy white flowers

*These trees have been approved by Portland General Electric (PGE) for planting beneath overhead powerlines

Appendix 2

Street Tree List - Medium Stature Trees (between 25' and 40' in height at maturity)

Common Name	Scientific Name	Height (feet)	Spread (feet)	Canopy Area	Soil Type	Suitable for Under Powerlines	Special Features/Consideration
Hedge Maple	<i>Acer campestre</i>	35'	30'	707 sq. ft.	all	No	tolerant of urban stresses
Sunset Maple	<i>Acer truncatum</i> x <i>Acer platanoides</i>	35'	25'	491 sq. ft.	all	No	many varieties available
Strawberry Tree	<i>Arbutus 'Marina'</i>	30'	30'	707 sq. ft.	all	No	broadleaf evergreen
European Hornbeam	<i>Carpinus betulus</i>	35'	25'	491 sq. ft.	all	No	dense crown
Katsura	<i>Cercidiphyllum japonicum</i>	40'	40'	1256 sq. ft.	all	No	requires moist soils
Yellowwood	<i>Cladrastis kentuckia</i>	35'	35'	962 sq. ft.	all	No	fragrant, white, pendulous flowers
June Snow Dogwood	<i>Cornus controversa</i> 'June Snow'	30'	35'	962 sq. ft.	well drained	No	wide spreading, flowers in May/June
Pacific Dogwood	<i>Cornus nuttallii</i>	40'	30'	707 sq. ft.	loam	No	native to Portland metropolitan region, requires moist soil and some shade
Dove Tree	<i>Davidia involucrata</i>	35'	30'	707 sq. ft.	well drained	No	dove-like flowers
Raywood Ash	<i>Fraxinus oxycarpa</i> 'Raywood'	35'	30'	707 sq. ft.	all	No	smog tolerant
Goldenrain Tree	<i>Koelreuteria paniculata</i>	35'	35'	962 sq. ft.	all	No	tolerant of urban stresses
Yulan Magnolia	<i>Magnolia denudata</i>	35'	30'	707 sq. ft.	all	No	white, fragrant flowers
Southern Magnolia	<i>Magnolia grandiflora</i> 'Edith Bogue'	35'	20'	314 sq. ft.	all	No	broadleaf evergreen, many other varieties available
Sourwood	<i>Oxydendrum arboreum</i>	30'	20'	314 sq. ft.	well drained	No	white, midsummer flowers
American Hophornbeam	<i>Ostrya virginiana</i>	35'	25'	491 sq. ft.	all	No	exfoliating bark texture is attractive
Persian Parrotia	<i>Parrotia persica</i>	35'	25'	491 sq. ft.	well drained	No	beautiful bark and fall color
Amur Corktree	<i>Phellodendron amurense</i>	40'	30'	707 sq. ft.	all	No	fragrant leaves and fruit
Callery Pear	<i>Pyrus calleryana</i>	40'	25'	491 sq. ft.	all	No	many varieties available
Cascara	<i>Rhamnus purshiana</i>	35'	25'	491 sq. ft.	all	No	native to Portland metropolitan region
Frontier Elm	<i>Ulmus</i> 'Frontier'	40'	30'	707 sq. ft.	all	No	pest and disease resistant, substitute for American Elm

Appendix 2

Street Tree List - Large Stature Trees (over 40' in height at maturity)

Common Name	Scientific Name	Height (feet)	Spread (feet)	Canopy Area	Soil Type	Suitable for Under Powerlines	Special Features/Consideration
Red Maple	<i>Acer rubrum</i>	50'	40'	1256 sq. ft.	any	No	many large stature varieties available
Hackberry	<i>Celtis occidentalis</i>	45'	35'	962 sq. ft.	any	No	tolerant of urban stresses, deep rooted
European Beech	<i>Fagus sylvatica</i>	50'	40'	1256 sq. ft.	well drained	No	beautiful bark
White Ash	<i>Fraxinus americana</i>	60'	45'	1590 sq. ft.	any	No	plant seedless varieties
Oregon Ash	<i>Fraxinus latifolia</i>	60'	30'	707 sq. ft.	any	No	native to Portland metropolitan region
Green Ash	<i>Fraxinus pennsylvanica</i>	50'	40'	1256 sq. ft.	any	No	plant seedless varieties
Maidenhair Tree	<i>Ginkgo biloba</i>	60'	45'	1590 sq. ft.	any	No	many large stature varieties available, plant males only
Honeylocust	<i>Gleditsia triacanthos var. inermis</i>	45'	35'	962 sq. ft.	any	No	thornless, tolerant of urban stresses
Kentucky Coffeetree	<i>Gymnocladus dioica</i>	65'	50'	1963 sq. ft.	any	No	fragrant flowers
Tulip Tree	<i>Liriodendron tulipifera</i>	60'	30'	707 sq. ft.	any	No	beautiful fall color
Southern Magnolia	<i>Magnolia grandiflora</i>	70'	60'	1963 sq. ft.	any	No	broadleaf evergreen, large fragrant white flowers
Blackgum	<i>Nyssa sylvatica</i>	45'	25'	491 sq. ft.	any	No	beautiful fall color
London Planetree	<i>Platanus x acerifolia</i> 'Bloodgood'	50'	40'	1256 sq. ft.	any	No	disease resistant, pollution tolerant
Scotch Pine	<i>Pinus sylvestris</i>	50'	40'	1256 sq. ft.	any	No	evergreen conifer, striking orange bark
Oregon White Oak	<i>Quercus garryana</i>	65'	50'	1963 sq. ft.	any	No	native to Portland metropolitan region
Willow Oak	<i>Quercus pbellos</i>	60'	45'	1590 sq. ft.	any	No	tolerant of urban stresses
Red Oak	<i>Quercus rubra</i>	60'	45'	1590 sq. ft.	any	No	beautiful fall color
American Linden	<i>Tilia americana</i>	60'	30'	707 sq. ft.	any	No	tolerant of urban stresses
Sterling Silver Linden	<i>Tilia tomentosa</i> 'Sterling Silver'	45'	30'	707 sq. ft.	any	No	dark green leaves with silver undersides
Zelkova	<i>Zelkova serrata</i>	65'	50'	1963 sq. ft.	any	No	attractive shade tree

Appendix 3

Parking Lot Trees (recommended for parking lots, large stature)

Common Name	Scientific Name	Height (feet)	Spread (feet)	Canopy Area	Soil Type	Suitable for Under Powerlines	Special Features/ Consideration
Bigleaf Maple	<i>Acer macrophyllum</i>	65'	50'	1963 sq. ft.	any	No	native to Portland metropolitan region
Red Maple	<i>Acer rubrum</i>	50'	40'	1256 sq. ft.	any	No	brilliant red fall color
European Beech	<i>Fagus sylvatica</i>	50'	40'	1256 sq. ft.	well drained	No	beautiful bark
White Ash	<i>Fraxinus americana</i>	60'	45'	1590 sq. ft.	any	No	plant seedless varieties
Green Ash	<i>Fraxinus pennsylvanica</i>	50'	40'	1256 sq. ft.	any	No	plant seedless varieties
Maidenhair Tree	<i>Ginkgo biloba</i>	60'	45'	1590 sq. ft.	any	No	many large stature varieties available, plant males only
Kentucky Coffeetree	<i>Gymnocladus dioica</i>	65'	50'	1963 sq. ft.	any	No	fragrant flowers
Southern Magnolia	<i>Magnolia grandiflora</i>	70'	60'	2826 sq. ft.	any	No	broadleaf evergreen, large fragrant white flowers
Austrian Pine	<i>Pinus nigra</i>	55'	40'	1256 sq. ft.	any	No	evergreen conifer
Eastern White Pine	<i>Pinus strobus</i>	70'	40'	1256 sq. ft.	any	No	evergreen conifer
Scotch Pine	<i>Pinus sylvestris</i>	50'	40'	1256 sq. ft.	any	No	evergreen conifer, striking orange bark
London Planetree	<i>Platanus x acerifolia</i> 'Bloodgood'	50'	40'	1256 sq. ft.	any	No	disease resistant, pollution tolerant
Oregon White Oak	<i>Quercus garryana</i>	65'	50'	1963 sq. ft.	any	No	native to Portland metropolitan region
Willow Oak	<i>Quercus phellos</i>	60'	45'	1590 sq. ft.	any	No	tolerant of urban stresses
Red Oak	<i>Quercus rubra</i>	60'	45'	1590 sq. ft.	any	No	beautiful fall color
Accolade Elm	<i>Ulmus</i> 'Morton'	70'	60'	2826 sq. ft.	any	No	graceful vase shaped tree, disease resistant substitute for American elm
Lacebark Elm	<i>Ulmus parvifolia</i>	60'	50'	1963 sq. ft.	any	No	interesting mottled bark
Pioneer Elm	<i>Ulmus</i> 'Pioneer'	50'	50'	1963 sq. ft.	any	No	rounded spreading crown, disease resistant substitute for American elm
Oregon Myrtle	<i>Umbellularia californica</i>	70'	50'	1963 sq. ft.	any	No	broadleaf evergreen
Zelkova	<i>Zelkova serrata</i>	65'	50'	1963 sq. ft.	any	No	attractive shade tree

Columnar Trees (canopy spread of less than 20 feet at maturity, small stature)

Common Name	Scientific Name	Height (feet)	Spread (feet)	Canopy Area	Soil Type	Suitable for Under Powerlines	Special Features/Considerations
Armstrong Maple	<i>Acer rubrum</i> 'Armstrong'	45'	15'	177 sq. ft.	any	No	orange-red fall color
Bowhall Maple	<i>Acer rubrum</i> 'Bowhall'	40'	15'	177 sq. ft.	any	No	bright red fall color
Frans Fontaine Hornbeam	<i>Carpinus betulus</i> 'Frans Fontaine'	35'	15'	177 sq. ft.	any	No	narrowest of the <i>Carpinus b.</i> cultivars
Dawyck Purple Beech	<i>Fagus sylvatica</i> 'Dawyck Purple'	40'	12'	113 sq. ft.	any	No	purple leaves for entire growing season
Princeton Sentry Ginkgo	<i>Ginkgo biloba</i> 'Princeton Sentry'	40'	15'	177 sq. ft.	any	No	seedless, bright yellow fall color
Arnold Tulip Tree	<i>Liriodendron tulipifera</i> 'Arnold'	40'	10'	79 sq. ft.	any	No	fast grower
Edith Bogue Magnolia	<i>Magnolia grandiflora</i> 'Edith Bogue'	30'	15'	177 sq. ft.	any	No	broadleaf evergreen
Galaxy Magnolia	<i>Magnolia</i> × 'Galaxy'	30'	15'	177 sq. ft.	any	No	showy pink flowers
Tschonoskii Crabapple	<i>Malus tschonoskii</i>	30'	15'	177 sq. ft.	any	No	good fall color
Arnold Sentinel Austrian Pine	<i>Pinus nigra</i> 'Arnold Sentinel'	35'	10'	79 sq. ft.	any	No	evergreen conifer
Fastigiata White Pine	<i>Pinus strobus</i> 'Fastigiata'	30'	10'	79 sq. ft.	well drained	No	evergreen conifer
Quaking Aspen	<i>Populus tremuloides</i>	30'	15'	177 sq. ft.	any	No	native to the Portland Metro region
Capital Pear	<i>Pyrus calleryana</i> 'Capital'	35'	12'	113 sq. ft.	any	No	glossy summer foliage
Chanticleer Pear	<i>Pyrus calleryana</i> 'Chanticleer'	40'	15'	177 sq. ft.	any	No	resistant to fireblight
Columnar Sargent Cherry	<i>Prunus sargentii</i> 'Columnaris'	35'	15'	177 sq. ft.	any	No	pink flowers and reddish bark
Skyrocket Oak	<i>Quercus robur</i> 'Fastigiata'	45'	15'	177 sq. ft.	well drained	No	may hold brown leaves into winter
Crimson Spire Oak	<i>Quercus robur</i> × <i>Q. alba</i> 'Crimschmidt'	45'	15'	177 sq. ft.	well drained	No	red fall color
Giant Arborvitae "Virescens"	<i>Thuja plicata</i> 'Virescens'	25'	12'	113 sq. ft.	moist	No	evergreen conifer, species native to the Portland Metro Region
Corinthian Linden	<i>Tilia cordata</i> 'Corzam'	45'	15'	177 sq. ft.	any	No	narrowest of the linden cultivars
Columnar Zelkova	<i>Zelkova serrata</i> 'Musashino'	45'	15'	177 sq. ft.	any	No	fine textured leaves

Appendix 5

Native Trees

Common Name	Scientific Name	Height (feet)	Spread (feet)	Canopy Area	Stature	Suitable for Under Powerlines	Primary Habitat Types
Grand Fir	<i>Abies grandis</i>	150'	40'	1256 sq. ft.	Large	No	Wetland, Riparian, Upland
Big-leaf Maple	<i>Acer macrophyllum</i>	65'	50'	1963 sq. ft.	Large	No	Upland
Red Alder	<i>Alnus rubra</i>	100'	40'	1256 sq. ft.	Large	No	Riparian, Upland
Madrone	<i>Arbutus menziesii</i>	40'	30'	707 sq. ft.	Medium	No	Upland
Pacific Dogwood	<i>Cornus nuttallii</i>	40'	30'	707 sq. ft.	Medium	No	Upland
Black Hawthorn	<i>Crataegus douglasii</i>	25'	20'	314 sq. ft.	Small	Yes	Wetland, Riparian, Upland
Oregon Ash	<i>Fraxinus latifolia</i>	60'	30'	707 sq. ft.	Large	No	Wetland, Riparian
Ponderosa Pine	<i>Pinus ponderosa</i>	200'	30'	707 sq. ft.	Large	No	Upland
Black Cottonwood	<i>Populus balsamifera ssp. trichocarpa</i>	175'	40'	1256 sq. ft.	Large	No	Wetland, Riparian
Quaking Aspen	<i>Populus tremuloides</i>	30'	15'	177 sq. ft.	Medium	No	Wetland, Riparian
Bitter Cherry	<i>Prunus emarginata</i>	30'	20'	314 sq. ft.	Medium	No	Riparian, Upland
Douglas Fir	<i>Pseudotsuga menziesii</i>	180'	40'	1256 sq. ft.	Large	No	Upland
Oregon White Oak	<i>Quercus garryana</i>	65'	50'	1963 sq. ft.	Large	No	Upland
Cascara	<i>Rhamnus purshiana</i>	35'	25'	491 sq. ft.	Medium	No	Riparian, Upland
Pacific Willow	<i>Salix lucida ssp. lasiandra</i>	40'	30'	707 sq. ft.	Medium	No	Wetland, Riparian
Rigid Willow	<i>Salix rigida var. macrogemma</i>	30'	20'	314 sq. ft.	Small	No	Wetland, Riparian
Scouler Willow	<i>Salix scouleriana</i>	40'	40'	1256 sq. ft.	Medium	No	Wetland, Riparian, Upland
Pacific Yew	<i>Taxus brevifolia</i>	40'	30'	707 sq. ft.	Medium	No	Riparian, Upland
Western Red Cedar	<i>Thuja plicata</i>	100'	30'	707 sq. ft.	Large	No	Wetland, Riparian, Upland
Western Hemlock	<i>Tsuga heterophylla</i>	150'	40'	1256 sq. ft.	Large	No	Riparian, Upland