

CITY OF NEWPORT

RESOLUTION NO. 3869

**A RESOLUTION ADOPTING
A TREE MANUAL FOR THE CITY OF NEWPORT**

WHEREAS, in 2011, the City of Newport created a program for managing the tree canopy along its streets, parks, and other public spaces in its successful pursuit of a "Tree City USA" designation from the National Arbor Day Foundation; and

WHEREAS, some elements of the program were implemented by the adoption of Ordinance No. 2031 in 2012, and Ordinance No. 2054 in 2013; and

WHEREAS, some aspects of the program were deferred until they could be further developed; and

WHEREAS, one of the charges of the Parks and Recreation Advisory Committee, as outlined in Section 2.05 of the Newport Municipal Code, is that this Committee will serve as Newport's official "Tree Board," and further that this Committee will develop and periodically update a "Tree Manual" for planting, maintaining, and removing trees in the tree canopy; and

WHEREAS, city staff has drafted a "Tree Manual" to establish criteria for the management of the city's tree canopy pursuant to Section 2.05 of the Newport Municipal Code; and

WHEREAS, Ordinance No. 2031 specifies that the "Tree Manual" be accepted and approved by City Council resolution.

THE CITY OF NEWPORT RESOLVES AS FOLLOWS:

Section 1. The City of Newport - Tree Manual is hereby adopted as Attachment A, creating criteria for the management of the city's tree canopy.


Section 2. Resolution No.3869 shall be effective immediately upon adoption by the City Council of the City of Newport.

Adopted by the Newport City Council at its meeting of September 3, 2019.



Dean H. Sawyer, Mayor

ATTEST:



Margaret M. Hawker, City Recorder

CITY OF NEWPORT - TREE MANUAL

“There is ample opportunity to “retrofit” communities with more sustainable landscapes through strategic tree planting and stewardship of existing trees. Accelerating urbanization hastens the need for landscapes that reduce stormwater runoff, conserve energy and water, sequester CO₂, attract wildlife, and provide other aesthetic, social, and economic benefits in new development.” -Western Washington and Oregon Community Tree Guide: Benefits, Costs and Strategic Planting

ACCEPTABLE SPECIES AND REGULATIONS

Street Trees are herein defined as any tree planted by the City or authorized to be planted by another party in a Right of Way and designated as such. Street Trees do not include existing native or non-native trees or new plantings that are not authorized by the City.

Public Plantings are herein defined as trees, shrubs, bushes, forbs/herbs, grasses and all other woody vegetation in all areas owned by the City to which the public has free access, including public parks having individual names.

The following list constitutes the official **Acceptable Street Trees for Planting List** for Newport, Oregon:

TABLE 1 – ACCEPTABLE STREET TREES FOR PLANTING

SMALL TREES	MEDIUM TREES	LARGE TREES
Flowering Crabapple Higan Cherry Japanese Flowering Cherry Purpleleaf Plum	European Hornbeam Ginkgo Biloba (male cultivars only) Golden Raintree Japanese Snowbell Japanese Zelkova Trident Maple Washington Hawthorn	Douglas-Fir (n) Grand Fir (n) Holly Oak* Japanese Black Pine* Pacific Madrone (n)*

*Suitable West of Highway 101, in high wind and close to the ocean; (n) denotes native species

For a list of acceptable public plantings in Newport, see **Appendix B: City of Newport Acceptable Species for Planting**.

SPACING

In accordance with the three species size classes listed in Table 1, no trees should be planted closer together than the following: Small Trees, 30 feet; Medium Trees, 40 feet; and Large Trees, 50 feet; except in special plantings designed or approved by a landscape architect.

DISTANCE FROM CURB AND SIDEWALK

The distance trees may be planted from curbs or curblines and sidewalks should be in accordance with the three species size classes listed in Table 1. No trees should be planted closer to any curb or sidewalk than the following: Small Trees, three feet; Medium Trees, four feet; and Large Trees, six feet.

DISTANCE FROM STREET CORNERS, HYDRANTS, STREET LIGHTS, SIGNS, AND VISION CLEARANCE

No Street Tree should be planted within the Clear Vision Area closer than 35 feet of any street corner, measured from the point of nearest intersecting curbs, curb lines, or edge of pavement (see Figure 1). Existing trees located within a Clear Vision Area should have their branches and foliage removed to the height of eight feet above the grade. No Street Tree should be planted closer than 25 feet from any street light. No Street Tree should be planted closer than 20 feet from any stop or yield sign. No Street Tree should be planted closer than 10 feet of any fire hydrant.

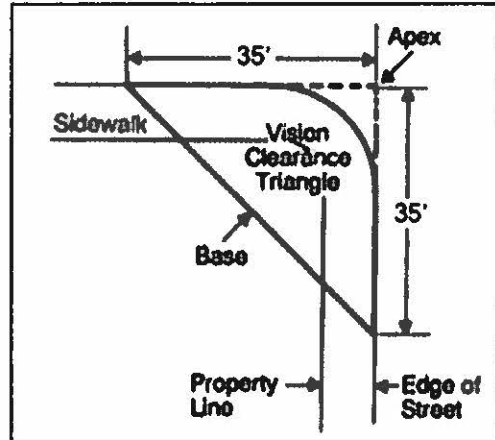
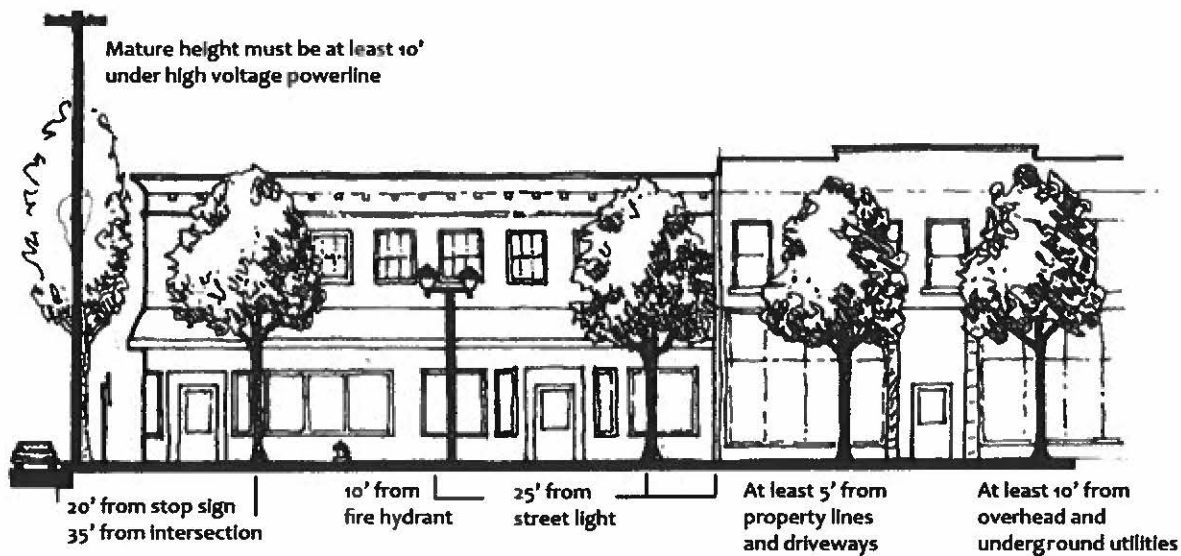


Figure 1. Clear Vision Area

UTILITIES

No Street Trees other than those species listed as small trees, forbs/herbs, shrubs, and grasses in **Appendix B: City of Newport Acceptable Species for Planting** may be planted under or within 10 lateral feet of any overhead utility wire, underground water line, sewer line, transmission line or other utility.



HOW TO PLANT

Pick your site first and species second. For instance, if you have ample space, it does not make sense to plant a small ornamental tree. Likewise, if you have a narrow space with overhead utilities present, it does not make sense to plant a large conifer.

WHERE TO PLANT

Planting the right tree in the right place is essential if you want to maximize the benefits of trees and avoid future interference with foundations, sidewalks, driveways, and fences. Planting should always be done with consideration for underground and overhead utilities, street signage, street lights, driveways and other infrastructure. Call: 1-800-332-2344 (or 811) before you dig.

WHAT TO PLANT

When planting, it is essential to consider the future size of trees at maturity, rather than their size at planting. Plant tall columnar trees in narrow open spaces. Smaller rounder trees are the only ones appropriate to plant near overhead utility wires. To maximize benefits such as energy savings, overall tree canopy, and wildlife habitat, plant large trees such as Northwest natives when space is available. See **Appendix B: City of Newport Acceptable Species for Planting** for detailed information about different sizes and characteristics of climate appropriate species for planting.

MAXIMIZE THE BENEFITS OF YOUR TREE

To provide effective shading of your home, trees should be planted within 30 feet of the home, on the south and west sides. Plant at least five feet from property lines and five feet from driveways. Persistent wind comes out of the north in summer on the Oregon Coast. Strong gusty winds come out of the southwest in winter. Consider planting a windbreak, such as a row of conifers, to shield more vulnerable

trees and plantings. Take time to observe the patterns of the wind, the sun, the shade and drainage on your site before planting. Remember that trees and their roots and branches do not mix well with buildings and pavement.

ENVIRONMENTAL FACTORS

It is a good idea to think about factors such as soil, water and sunlight requirements as well as exposure to salt and wind in certain areas of Newport. In addition to **Appendix B: City of Newport Acceptable Species for Planting**, local nurseries and arborists, books, and online resources are great sources for specific tree and site-related information. There are several online references listed in Appendix A of this plan.

PROHIBITED SPECIES

The following tree species are prohibited from use as street trees for one or more of the following reasons: 1) their roots cause injury to sewers or pavements; 2) they are particularly subject to insects or disease; 3) they cause safety and visibility problems along streets and at intersections; 4) they create messy sidewalks and pavements.

Fruit and Nut Trees

Ailanthus (Tree of Heaven)

Aspens

Black Locust

Cottonwoods

Goldenchain

Norway Maple

Osage-Orange

Palms

Poplars

Sweetgum

Sycamore Maple

Willows

The following species should not be planted and should be controlled within the City of Newport due to their invasive nature:

Butterfly Bush (*Buddleia davidii*)

Cotoneaster (*Cotoneaster franchetii*, *Cotoneaster lacteus*)

English Hawthorn (*Crataegus monogyna*)

English Holly (*Ilex aquifolium*)

English Ivy (*Hedera helix*)

English Laurel (*Prunus laurocerasus*)

European Beachgrass (*Ammophila arenaria*)

Evergreen Clematis (*Clematis vitalba*)

False Brome (*Brachypodium sylvaticum*)

Field Bindweed/Morning Glory (*Convolvulus arvensis*)

Gorse (*Ulex europaeus*)
Himalayan Blackberry (*Rubus armeniacus*, *Rubus discolor*)
Irish Ivy (*Hedera Hibernica*)
Japanese Sedge (*Carex kobomugi*)
Pampas Grass (*Cortaderia jubata*, *Cortaderia sellowana*)
Portuguese Broom (*Cytisus striatus*)
Purple Loosestrife (*Lythrum salicaria*)
Scotch Broom (*Cytissus scoparius*)
Spurge Laurel (*Daphne laureola*)

GENERAL GUIDELINES

- Avoid planting trees under overhead wires and above under-ground utilities.
- Do not plant trees near building foundations or walls.
- Do not plant trees that produce nuts or large fruit in pedestrian areas.
- A tree's mature size and shape must be of the proper scale to fit the site and surrounding buildings.
- Trees have roots. Roots spread beyond the branch area of the tree. Most roots are found in the top 18" of soil; most absorbing roots are found in the top 6" of soil.
- Trees crowded in small street spaces may crack sidewalks and paved areas.
- Determine the necessary root growth space for the species you select. Think of clustering trees in a park setting or a parking lot to provide larger soil volumes for safe root growth. Grouping spaces as contiguous pits to provide shared soil volumes is recommended, rather than digging several individual pits. Groupings create their own small environments and may survive better.
- Identify legal restrictions for planting for both public and private property.

PLANTING A BALLED & BURLAPPED TREE

- Prior to placing it in the planting hole, while the burlap is in place, tilt the tree and prune off crossed/broken branches, and smaller branches that may contribute to long-term poor form. You do not need to "balance" the tree crown with the root loss. Keep pruning very light and minimal.
- Carefully remove any wire basket, and unwrap the tree's burlap, leaving it underneath the tree. (You will use the unwrapped burlap to lift and move the tree.)
- Gently remove extra soil from around the top of the root ball until you find the root flare of the highest major root. Protect the root ball from falling apart during this process.
- Dig the planting hole the same depth as the root ball but 2-3 times the width.
- Score the sides of the hole.
- Gently lift the tree using the burlap and lower it into the middle of the hole. The root flare—highest major root—should be level with the soil surface.
- Rock the tree gently to one side while tucking the burlap beneath the tree. Rock the tree gently to the opposite side, enabling you to pull out the burlap from the bottom of the hole. Support the root ball to keep it intact throughout the process.

- Stabilize and straighten the tree with backfill, being careful not to crack or damage the root ball. Double check to ensure the highest major root is even with the soil surface.
- Add the rest of the soil back into the hole, gently pressing down as you go to avoid air pockets, but not so hard as to heavily compact the soil.
- After planting, water the tree thoroughly to settle the soil and remove air pockets.

PLANTING A CONTAINERIZED TREE

- Massage the container to loosen the root ball from the pot.
- Massage the roots and loosen up the root ball soil.
- If any roots are circling, lay the root ball on its side and prune the root at the point where it begins to circle.
- Gently remove extra soil from around the top of the root ball until you find the root flare of the highest major root.
- Gently lift the tree by the root ball with a partner and lower it into the middle of the hole. The root flare—highest major root—should be level with the soil surface.
- As with all trees...
- Stabilize and straighten the tree with backfill
- After planting, water the tree thoroughly.
- If you have mulch, spread it around the base of the tree, keeping it 2-4" away from the trunk.

STAKING

- Newly-planted trees do not need to be staked if they are in a safe, gust-free location. Trees should be staked for one year only, loose enough to allow for movement in the wind, if they are in a location where they experience gusts or constant wind or are in any other location where they could be damaged by vehicles or pedestrians.

APPENDIX A – RESOURCES

Arbor Day Foundation - Trees

<https://www.arborday.org/trees/>

Friends of Trees - Browse Trees

<https://friendsoftrees.org/browse-trees/>

GardenSmart Oregon Guide to Non-Invasive Plants

https://www.invasive.org/gist/products/outreach/gardensmart_oregon_reduced.pdf

Great Plant Picks

<http://www.greatplantpicks.org/>

Missouri Botanical Garden Plant Finder

<http://www.missouribotanicalgarden.org/PlantFinder/PlantFinderSearch.aspx>

Trees Are Good

<https://www.treesaregood.org/>

Western Washington and Oregon Community Tree Guide: Benefits, Costs and Strategic Planting [PDF]

[https://www.itreetools.org/streets/resources/Streets CTG/CUFR 164 Pacific Northwest CTG.pdf](https://www.itreetools.org/streets/resources/Streets_CTG/CUFR_164_Pacific_Northwest_CTG.pdf)

Appendix B: City of Newport - Acceptable Species for Planting

Common Name	Botanical Name	Native	Height / Width	Wind Tolerance	Street Tree	Water	Sun / Shade	Evergreen / Deciduous
TREES								
<i>Large</i>								
Sitka Spruce	<i>Picea sitchensis</i>	X	150' / 30'	H		M	Full sun	E
Grand Fir	<i>Abies grandis</i>	X	100' / 20'	L	X	M	Sun/Shade	E
Coast Redwood	<i>Sequoia sempervirens</i>	CA Native	100' / 25'	H		M	Full sun	E
Douglas Fir	<i>Pseudotsuga menziesii</i>	X	80' / 20'	L	X	M to H	Full sun	E
Norway Spruce	<i>Picea abies</i>		80' / 30'	H		L	Full sun	E
Holly Oak	<i>Quercus ilex</i>		70' / 60'	H	X	M	Sun/Shade	E
Western Red Cedar	<i>Thuja plicata</i>	X	70' / 25'	H		M	Sun/Shade	E
Shore Pine	<i>Pinus contorta</i>	X	60' / 25'	H		L	Full sun	E
Tuliptree	<i>Liriodendron tulipifera</i>		60' / 30'	L		M	Full sun	D
Western Hemlock	<i>Tsuga heterophylla</i>	X	60' / 20'	M		M	Sun/Shade	E
Bigleaf Maple	<i>Acer macrophyllum</i>	X	50' / 30'	L		M	Sun/Shade	D
Japanese Black Pine	<i>Pinus thunbergii</i>		50' / 20'	H	X	M	Full sun	E
Pacific Madrone	<i>Arbutus menziesii</i>	X	50' / 30'	H	X	L	Full sun	E
<i>Medium</i>								
European Hornbeam	<i>Carpinus betulus 'Fastigiata'</i>		45'/20'	M	X	M	Sun/Shade	E
Ginkgo	<i>Ginkgo biloba (male cultivars only)</i>		45' / 35'	M	X	M	Sun/Shade	D
Japanese Zelkova	<i>Zelkova serrata</i>		45' / 30'	M	X	M	Sun/Shade	D
Bitter Cherry	<i>Prunus emarginata</i>	X	40' / 30'	M		M	Part shade	D
Cascara	<i>Rhamnus purshiana</i>	X	40' / 12'	M		L	Sun/Shade	D
Leyland Cypress	<i>Cupressocyparis leylandii</i>		40' / 10'	H		M	Full sun	E
Scotch Pine	<i>Pinus sylvestris</i>		40' / 35'	M		M	Full sun	E
Trident Maple	<i>Acer buergerianum</i>		35' / 25'	M	X	M	Full sun	D
Goldenrain Tree	<i>Koelreuteria paniculata</i>		30' / 30'	M	X	L	Sun/Shade	D
Japanese Snowbell	<i>Styrax japonica</i>		30' / 30'	M	X	M	Sun/Shade	D
Monterey Cypress	<i>Cupressus macrocarpa</i>	CA Native	30' / 8'	H		M	Full sun	E
Strawberry Tree	<i>Arbutus unedo</i>		30' / 15'	M		L	Full sun	E

Appendix B: City of Newport - Acceptable Species for Planting

Common Name	Botanical Name	Native	Height / Width	Wind Tolerance	Street Tree	Water	Sun / Shade	Evergreen / Deciduous
Washington Hawthorn	<i>Crataegus phaenopyrum</i>		30' / 30'	M	X	L to M	Full sun	D
Small								
Flowering Crabapple	<i>Malus 'Liset'</i>		25' / 20'	M	X	M	Full sun	D
Pacific Wax Myrtle	<i>Myrica Californica</i>	X	25' / 20'	H		L	Full sun	E
Higan Cherry	<i>Prunus subhirtella</i>		25' / 20'	M	X	M	Full sun	D
Purpleleaf Plum	<i>Prunus cerasifera</i>		25' / 20'	L	X	M	Full sun	D
Flowering Cherry	<i>Prunus serrulata</i>		20' / 20'	M	X	M	Sun/Shade	D
Japanese Maple	<i>Acer japonicum</i>		20' / 15'	M		M	Sun/Shade	D
Pacific Crabapple	<i>Malus fusca</i>	X	20' / 20'	M		M	Full sun	D
Star Magnolia	<i>Magnolia stellata</i>		15' / 10'	M		M	Sun/Shade	D
Vine Maple	<i>Acer circinatum</i>	X	15' / 10'	M		M	Sun/Shade	D

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Common Name	Botanical Name	Native	Evergreen / Deciduous	Height / Width	Water	Sun / Shade
SHRUBS						
Barberry	<i>Berberis sp.</i>		E	6' / 6'	L to M	Sun/Shade
Blackhaw Viburnum	<i>Viburnum prunifolium</i>		D	12' / 12'	M	Sun/Shade
Bloodtwig Dogwood	<i>Cornus sanguinea</i>	X	D	6' / 6'	M	Sun/Shade
Blue Blossom	<i>Ceanothus thyrsiflorus</i>	X	E	5' / 5'	M	Sun/Shade
Blue Pacific Shore Juniper	<i>Juniperus conferta</i>		E	1.5' / 8'	M	Full sun
Blueberry	<i>Vaccinium corymbosum</i>		E	12' / 12'	M to H	Sun/Shade
Ceanothus	<i>Ceanothus griseus horizontalis</i>		E	3' / 8'	L	Sun/Shade
Coyote Bush	<i>Baccharis pilularis</i>	X	E	4' / 10'	L to M	Sun/Shade
Creeping Juniper	<i>Juniperus horizontalis</i>	Northern US	E	1.5' / 8'	M	Full sun
Creeping Mahonia	<i>Mahonia repens</i>	X	E	2' / 4'	M	Sun/Shade
Creeping Rosemary	<i>Rosmarinus prostratus</i>		E	2' / 3'	L	Full sun
Dwarf Oregon Grape	<i>Mahonia nervosa</i>	X	E	7' / 7'	L	Part shade
Escallonia	<i>Escallonia sp.</i>		E	8' / 6'	M	Sun/Shade
Flowering Quince	<i>Chaenomeles japonica</i>		D	3' / 6'	M	Sun/Shade
Hairy Manzanita	<i>Arctostaphylos columbiana</i>	X	E	10' / 10'	L	Full sun
Hawthorn	<i>Crataegus spp.</i>		D	30' / 30'	L to M	Full sun
Heath (many species)	<i>Erica sp.</i>		E	12' / 6'	M	Sun/Shade
Hopseed	<i>Dodonaea viscosa</i>		E	12' / 8'	M	Full sun
Huckleberry	<i>Vaccinium ovatum</i>	X	E	8' / 10'	L	Sun/Shade
Hybrid Rhododendron	<i>Rhododendron sp.</i>		E	8' / 8'	M	Part shade
Hydrangea	<i>Hydrangea sp.</i>		D	5' / 5'	M	Part shade
Japanese Honeysuckle	<i>Lonicera japonica</i>		D	30' / 6'	L to M	Sun/Shade
Japanese Umbrella Pine	<i>Sciadopitys verticillata</i>		E	25' / 15'	M	Full sun
Kinnikinnick	<i>Arctostaphylos uva-ursi</i>	X	E	12" / 15"	L	Full sun
Lavender	<i>Lavandula sp.</i>		E	3' / 4'	L to M	Full sun
Lilly of the Valley	<i>Pieris sp.</i>		E	7' / 7'	M	Sun/Shade
Mahonia	<i>Mahonia aquifolium</i>	X	E	5' / 5'	L	Part/Full Shade

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Common Name	Botanical Name	Native	Evergreen / Deciduous	Height / Width	Water	Sun / Shade
Mediterranean Fan Palm	<i>Chamaerops humilis</i>		E	15' / 20'	M	Sun/Shade
Mexican Orange	<i>Choysia ternata</i>		E	8' / 8'	M	Part/Full Shade
Ninebark	<i>Physocarpus capitatus</i>	X	D	8' / 8'	L to M	Part/Full Shade
Nootka Rose	<i>Rosa nutkana</i>	X	D	4' / 4'	L	Sun/Shade
Oceanspray	<i>Holodiscus discolor</i>	X	D	10' / 8'	M	Part shade
Osoberry / Indian Plum	<i>Oemleria cerasiformis</i>	X	D	15' / 10'	M	Part/Full Shade
Pacific Rhododendron	<i>Rhododendron macrophyllum</i>	X	E	8' / 8'	L	Part shade
Point Reyes Ceanothus	<i>Ceanothus gloriosus</i>		E	6' / 6'	L to M	Sun/Shade
Prickly Currant	<i>Ribes lacustre</i>	X	D	7' / 5'	L	Part/Full Shade
Pussy Willow	<i>Salix discolor</i>		D	15' / 12'	M to H	Sun/Shade
Red Elderberry	<i>Sambucus racemosa</i>	X	D	12' / 15'	M to H	Sun/Shade
Red Flowering Currant	<i>Ribes sanguineum</i>	X	D	13' / 7'	L	Part shade
Rosemary	<i>Rosemarinus sp.</i>		E	6' / 4'	M	Full sun
Salal	<i>Gaultheria shallon</i>	X	E	6' / 8'	M	Sun/Shade
Silktassel	<i>Garrya elliptica</i>	CA Native	E	12' / 8'	L	Sun/Shade
Smokebush	<i>Cotinus coggygria</i>		D	15' / 15'	M	Full sun
Snowberry	<i>Symphoricarpos albus</i>	X	D	6' / 6'	L	Sun/Shade
Spreading Gooseberry	<i>Ribes divaricatum</i>	X	D	10' / 3'	L	Sun/Shade
Twinberry	<i>Lonicera involucrata</i>	X	D	10' / 10'	M	Sun/Shade
Viburnum	<i>Viburnum edule</i>	X	D	5' / 5'	M	Sun/Shade
Wax Myrtle	<i>Myrica californica</i>	X	E	20' / 15'	L to M	Sun/Shade
Western Hazelnut	<i>Corylus cornuta ssp. californica</i>	X	D	4' / 8'	M	Sun/Shade
Western Serviceberry	<i>Amelanchier alnifolia</i>	X	D	10' / 10'	H	Sun/Shade
Western Spirea	<i>Spirea douglasii</i>	X	D	7' / 4'	M to H	Sun/Shade
FORBS/HERBS						
Ajuga	<i>Ajuga reptans</i>			0.75' / 1'	M	Sun/Shade
Aster	<i>Aster chilensis</i>	X		3' / 3'	L	Sun/Shade
Beach Aster / Fleabane	<i>Erigeron glaucus</i>	X		1' / 2'	L	Sun/Shade

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Common Name	Botanical Name	Native	Evergreen / Deciduous	Height / Width	Water	Sun / Shade
Beach Pea	<i>Lathyrus japonicus</i>				M	Full sun
Beach Strawberry	<i>Fragaria chiloensis</i>	X		1' / 4'	L	Sun/Shade
Bishop's Hat	<i>Epimedium sp.</i>			1' / 1.5'	L to M	Part/Full Shade
Bracken Fern	<i>Pteridium aquilinum</i>	X		1.5' / 2'	L	Sun/Shade
California Poppy	<i>Eschscholzia californica</i>	CA Native		2' / 2'	L	Full sun
Candy Tuft	<i>Iberis sempervirens</i>			1' / 1.5'	M	Full sun
Checkerbloom	<i>Sidalcea oregana</i>	X		4' / 4'	M to H	Part shade
Common Camas	<i>Camassia quamash</i>	X		2' / 1'	M to H	Sun/Shade
Day Lily (many species)	<i>Hemerocallis sp.</i>			1' / 1'	M	Sun/Shade
Deer Fern	<i>Belchnum spicant</i>	X		3' / 2'	M to H	Part/Full Shade
Douglas Iris	<i>Iris douglasiana</i>	X		2.5' / 3'	L	Sun/Shade
Dragon's Blood Sedum	<i>Sedum spurium</i>	X		0.5' / 1.5'	L to M	Full sun
Drops-of-gold	<i>Prosartes hookeri</i>	X		3' / 3'	M to H	Part shade
Fairy Bells	<i>Prosartes smithii</i>	X		3' / 3'	M to H	Full shade
Fringecup	<i>Tellima grandiflora</i>	X		3' / 2'	M to H	Part/Full Shade
Fuschia	<i>Fuchsia magellanica</i>			2' / 2'	M	Part/Full Shade
Goat's Beard	<i>Aruncus dioicus</i>	AK Native		6' / 4'	M to H	Sun/Shade
Goldenrod	<i>Solidago canadensis</i>	X		5' / 3'	L	Full sun
Gumweed	<i>Grindelia integrifolia</i>	X		1' / 1'	L to M	Full sun
Heather (many species)	<i>Calluna sp.</i>	X		2' / 2'	M	Sun/Shade
Heuchera	<i>Heuchera micrantha</i>	X		3' / 1'	M to H	Part/Full Shade
Ice Dance' Sedge	<i>Carex morrowii</i>			1.5' / 2'	M to H	Part/Full Shade
Indian Rhubarb	<i>Darmera peltata</i>	X		5' / 5'	L	Part/Full Shade
Inside-Out Flower	<i>Vancouveria hexandra</i>	X		1.5' / 1.5'	M	Part/Full Shade
Lady's Mantle	<i>Alchemilla mollis</i>			1.5' / 2.5'	M	Sun/Shade
Large Camas	<i>Camassia leichtlinii</i>	X		1' / 1'	M to H	Part shade
Lenten Rose / Hellebore	<i>Helleborus sp.</i>	X		1.5' / 1.5'	L	Part shade to full shade
Licorice Fern	<i>Polypodium vulgare</i>	X		1' / 1'	M	Part/Full Shade

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Common Name	Botanical Name	Native	Evergreen / Deciduous	Height / Width	Water	Sun / Shade
Lithodora	<i>Lithodora diffusa</i>			1' / 25'	M	Sun/Shade
Maiden Fern	<i>Adiantum pedatum</i>	X		2.5' / 1.5'	M	Part/Full Shade
Matilija Poppy	<i>Romneya coulteri</i>	CA Native		10' / 20'	L	Full sun
Phlox	<i>Phlox subulata</i>	US Native		0.5' / 2'	M	Full sun
Piggy-Back Plant	<i>Tolmiea menziesii</i>	X		0.5' / 0.5'	M to H	Part/Full Shade
Purple Leaf Winter Creeper	<i>Euonymus fortunei</i>			0.75' / 3'	M	Sun/Shade
Santolina	<i>Santolina chamaecyparissus</i>			2' / 3'	L to M	Full sun
Sea Pink	<i>Armeria maritima</i>			1' / 1'	L	Full sun
Sea Watch	<i>Angelica lucida</i>	X				
Seashore Lupine	<i>Lupinus littoralis</i>	X		1' / 1'	L to M	Full sun
Shasta Daisy	<i>Leucanthemom x superbum</i>			4' / 4'	L to M	Full sun
Silver Lace Vine	<i>Polygonum aubertii</i>			25' / 25'	M	Sun/Shade
Silverweed	<i>Potentilla anserine ssp.</i>	X		1' / 3'	M to H	Full sun
Slough Sedge	<i>Carex obnupta</i>	X		2' / 2'	M to H	Full shade
Snow in Summer	<i>Cerastium tomentosum</i>			1' / 1'	L	Full sun
Stream Violet	<i>Viola glabella</i>	X		0.5' / 0.5'	M	Part shade
Sweet Woodruff	<i>Galium odoratum</i>			1' / 1.5'	M to H	Part/Full Shade
Sword Fern	<i>Polystichum munitum</i>	X		5.5' / 3'	L to M	Full shade
Thimbleberry	<i>Rubus parviflorus</i>	X		8' / 8'	M to H	Part shade
Trillium	<i>Trillium ovatum</i>	X		2' / 1.5'	M to H	Part/Full Shade
Voilet	<i>Viola adunca</i>	X		1' / 1'	M to H	Sun/Shade
Western Geranium	<i>Geranium oreganum</i>	X		3' / 2'	M	Part shade
Wild Ginger	<i>Asarum caudatum</i>	X		0.5' / 1.5'	M	Part/Full Shade
Wood Fern	<i>Dryopteris arguta</i>	X		2' / 2'	L	Sun/Shade
Wooly Thyme	<i>Thymus pseudolanuginosus</i>			0.25' / 1'	L to M	Full sun
Woundwort	<i>Prunella vulgaris</i>	X		2' / 0.75'	M to H	Sun/Shade
Yarrow	<i>Achillea millefolium</i>	X		3' / 1.5'	L	Sun/Shade

Appendix B: City of Newport - Acceptable Species for Planting

Common Name	Botanical Name	Native	Evergreen / Deciduous	Height / Width	Water	Sun / Shade
GRASSES						
Blue Oat Grass	<i>Helictotrichon sempervirens</i>			3' / 2.5'	L to M	Full sun
Blue Wild Rye	<i>Leymus racemosus</i> 'Glaucus'	CA Native		2' / 2'	L to M	Full sun
Blue-Eyed Grass	<i>Sisyrinchium idahoense</i>	X		1.5' / 1.5'	M	Full sun
Feather Reed Grass	<i>Calamagrostis acutiflora</i> 'Karl Forester'			5' / 2.5'	M to H	Full sun
Maiden Grass	<i>Miscanthus sinensis</i> 'Gracillimus'	X		7' / 6'	M	Sun/Shade
Orgen Tufted Hair Grass	<i>Deschampsia cespitosa</i>	X		3' / 3'	M to H	Sun/Shade
Variegated Japanese Silver Grass	<i>Miscanthus sinensis</i> 'Variegatus'			9' / 5'	M	Sun/Shade