Loomis Tree Matrix

Common Name	Botanical Name	E=Evergreen N=Native P=Protected Species	PG&E Pad Mounted Equipment	Building Foundation	Walks & Drives	Fence	A/C unit	Offset for Under-ground Utility	Offset for Overhead Utility	Distance to public street lights	Distance to private parking lot lights	Swim Pools	Septic System	Distance Between Trees*	Mature Tree Shape	Mature Canopy Size (Diameter)	Mature Tree Height
Trees for 3' Wide Parkway / Planter or Larger				*To calulate the planting distance between 2 different tree spacings, add the distances of the 2 species and divide by 2													
Amur Maple	*Acer tataricum ginnala*		8'	6'	3'	3'	3'	3'	0'	25'	10'	4'	15'	15'	Rounded	15-20'	20'
Strawberry Tree	*Arbutus unedo*	E	8'	6'	2'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Rounded	8-35'	8-35'
Western Redbud	*Cercis occidentalis*		8'	6'	3'	3'	3'	3'	0'	25'	10'	4'	15'	10'	Rounded	10-18'	10-18'
Mediterranean Fan Palm	*Chamaerops humilis*	E	8'	4'	2'	3'	3'	2'	0'	25'	10'	4'	15'	5'	Round head	4-8'	15-20'
Chinese Fringe Tree	*Chionanthus retusus*		8'	6'	3'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Rounded	20-25'	20-25'
Eastern Dogwood	*Cornus florida*		8'	6'	3'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Broad-rounded	15-20'	20-25'
English Hawthorn 'Paul's Scarlet'	*Crataegus laevigata 'Paul's Scarlet'*		8'	6'	3'	3'	4'	4'	0'	25'	10'	5'	15'	15'	Vase-shape	20-25'	18-25'
Washington Hawthorn	*Crataegus phaenopyrum*		8'	6'	3'	3'	3'	3'	0'	25'	10'	5'	15'	12'	Rounded, vase-shaped	15-20'	25'
Goldenchain Tree	*Laburnum anagyroides*		8'	4'	2'	3'	3'	2'	0'	25'	10'	3'	15'	8'	round-headed	15-20'	20-30'
Crape Myrtle (Tree Form only)	*Lagerstroemia hybrids*		8'	6'	2'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Broad-rounded	15-20'	6-30'
Amur Maackia	*Maackia amurensis*		8'	8'	3'	3'	3'	4'	0'	25'	10'	5'	15'	15'	Vase-shaped	15-20'	20-30'
Bechtel Crabapple	*Malus ioensis 'Plena'*		8'	6'	3'	3'	3'	3'	0'	25'	10'	6'	15'	12'	Broad-rounded	20'	25'
Crabapple "Prariefire"	*Malus ioensis 'Prariefire'*		8'	6'	3'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Broad-rounded	15-20'	25'
Japanese Snowdrop	*Styrax japonicus*		8'	6'	2'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Rounded	15-20'	25-30'
Fragrant Snowbell	*Styrax obassia*		8'	6'	2'	3'	3'	3'	0'	25'	10'	4'	15'	12'	Rounded	15-20'	20-30'
Windmill Palm	*Trachycarpus fortunei*	E	8'	4'	2'	3'	2'	2'	0'	25'	10'	3'	15'	5'	Round head	4-8'	30'
Chaste Tree	*Vitex agnus-castus*		8'	8'	4'	3'	4'	4'	0'	25'	10'	5'	15'	15'	Rounded	15-20'	20-25'
Mexican Fan Palm	*Washingtonia robusta*	E	8'	6'	3'	4'	4'	4'	15'	25'	10'	8'	15'	10'	Round head	10-15'	100'

Common Name	Botanical Name	E=Evergreen N=Native P=Protected Species	PG&E Pad Mounted Equipment	Building Foundation	Walks & Drives	Fence	A/C unit	Offset for Under-ground Utility	Offset for Overhead Utility	Distance to public street lights	Distance to private parking lot lights	Swim Pools	Septic System	Distance Between Trees*	Mature Tree Shape	Mature Canopy Size (Diameter)	Mature Tree Height
Trees for 4' Parkway / Planter or Larger				*To calulate the planting distance between 2 different tree spacings, add the distances of the 2 species and divide by 2													
Trident Maple	*Acer buergerianum*		8'	10'	4'	6'	6'	6'	20'	25'	15'	12'	15'	18'	Oval	20-25'	20-25'
Hedge Maple	*Acer campestre*		8'	10'	4'	6'	6'	6'	20'	25'	15'	12'	15'	18'	Rounded	30-35'	30-70'
Vine Maple	*Acer circinatum*	N	8'	10'	4'	6'	6'	6'	20'	25'	15'	12'	15'	18'	Rounded	25-35'	5-35'
Japanese White Birch	*Betula platyphylla japonica*		8'	10'	4'	6'	6'	6'	20'	25'	15'	12'	15'	12'	Oval	20-25'	40-50'
European Hornbeam	*Carpinus betulus 'Fastigiata'*		8'	10'	4'	6'	6'	6'	20'	25'	15'	12'	15'	12'	Broad oval-vase shaped	20-30'	40'
American Hornbeam	*Carpinus caroliniana*		8'	10'	4'	6'	6'	6'	20'	25'	15'	12'	15'	14'	Vase-shaped	20-30'	25-30'
Eastern Redbud	*Cercis canadensis*		8'	6'	4'	3'	4'	4'	0'	25'	15'	5'	15'	12'	Rounded	25-35'	20-30'
Italian Cypress	*Cupressus sempervirens*	E	8'	3'	3'	3'	2'	4'	20'	25'	15'	8'	15'	10'	Columnar	8-12'	60'
Golden Flame Tree	*Koelreuteria bipinnata*		8'	10'	5'	6'	6'	6'	20'	25'	15'	12'	15'	15'	Rounded	15-25'	20-40'
Goldenrain Tree	*Koelreuteria paniculata*		8'	10'	5'	6'	6'	6'	20'	25'	15'	12'	15'	18'	Rounded	30-40'+	30-40'
Southern Magnolia 'St. Mary'	*Magnolia grandiflora* 'St. Mary'	E	8'	6'	5'	4'	3'	6'	0'	25'	15'	8'	15'	12'	Rounded	15-20'	20'
Kobus Magnolia	*Magnolia kobus*		8'	4'	4'	3'	3'	3'	0'	25'	15'	4'	15'	15'	Rounded	15-25'	30'
Saucer Magnolia	*Magnolia x soulangeana*		8'	4'	4'	3'	3'	3'	0'	25'	15'	4'	15'	12'	Rounded	20-30'	25'
Tupelo / Sour Gum	*Nyssa sylvatica*		8'	10'	4'	6'	6'	6'	20'	25'	15'	15'	15'	20'	Rounded pyramidal	20-30'	30-50'
Canary Island Date Palm	*Phoenix canariensis*	E	8'	12'	6'	4'	6'	6'	20'	25'	15'	12'	15'	24'	Round head	25-30'	60'
Chinese Pistache	*Pistacia chinensis*		8'	15'	4'	6'	6'	6'	20'	25'	15'	15'	15'	24'	Broad-rounded	25-35'	30-35' (50')
Fern Pine	*Podocarpus gracilior*	E	8'	8'	4'	3'	4'	3'	0'	25'	15'	12'	15'	10'	Irregular oval	10-18'	20-35'
Carolina Laurel Cherry	*Prunus caroliniana*	E	8'	6'	4'	4'	4'	6'	20'	25'	15'	9'	15'	15'	Irregular rounded	15-25'	20-30' (40')
Purple Leaf Plum	*Prunus cerasifera* 'Krauter Vesuvius'		8'	5'	3'	3'	4'	4'	0'	25'	15'	6'	15'	15'	Rounded	15-25'	15-30'
Ornamental Pear 'Capital'	*Pyrus calleryana* 'Capital'		8'	10'	6'	6'	6'	6'	20'	25'	15'	10'	15'	15'	Columnar	10-15'	30-50'
Ornamental Pear 'Chanticleer'	*Pyrus calleryana* 'Chanticleer'		8'	10'	6'	6'	6'	6'	20'	25'	15'	10'	15'	18'	Narrow oval	15-20'	30-50'
Ornamental Pear 'Redspire'	*Pyrus calleryana* 'Redspire'		8'	10'	6'	6'	6'	6'	20'	25'	15'	12'	15'	20'	Narrow oval	15-20'	30-50'
California Fan Palm	*Washingtonia filifera*	E	8'	8'	4'	6'	6'	6'	30'	25'	15'	10'	15'	15'	Round head	10-15'	60'
Common Name	Botanical Name	E=Evergreen N=Native P=Protected Species	PG&E Pad Mounted Equipment	Building Foundation	Walks & Drives	Fence	A/C unit	Offset for Under-ground Utility	Offset for Overhead Utility	Distance to public street lights	Distance to private parking lot lights	Swim Pools	Septic System	Distance Between Trees*	Mature Tree Shape	Mature Canopy Size	Mature Tree Height
Trees for 6' Parkway / Planter or Larger				*To calulate the planting distance between 2 different tree spacings, add the distances of the 2 species and divide by 2													

Bigleaf Maple	*Acer macrophyllum*	N	8'	10'	4'	3'	3'	6'	20'	25'	20'	10'	15'	20'	Broad-rounded	30-75'	45-75' (100')
Japanese Maple	*Acer palmatum*		8'	6'	6'	3'	3'	4'	0'	25'	20'	6'	15'	15'	Broad-rounded	25'+	20'
Red Maple	*Acer rubrum*		8'	15'	8'	6'	8'	6'	30'	25'	20'	15'	15'	25'	Oval to rounded	to 60'	40-60' (120')
Sugar Maple	*Acer saccharum*		8'	15'	8'	8'	6'	6'	30'	25'	20'	15'	15'	25'	Oval to rounded	40-60'	60-75' (120')
Common Horsechestnut	*Aesculus hippocastanum*		8'	15'	8'	8'	6'	6'	30'	25'	20'	15'	15'	25'	Pyramidal to oval	40-70'	50-75' (100'+)
European Hackberry	*Celtis australis*		8'	15'	8'	6'	8'	6'	30'	25'	20'	15'	15'	30'	Rounded	50-60'	40-80'
Chinese Hackberry	*Celtis sinensis*		8'	15'	8'	6'	8'	6'	30'	25'	20'	15'	15'	25'	Rounded	50-60'	40-80'
European Beech	*Fagus sylvatica*		8'	15'	8'	6'	8'	6'	30'	25'	20'	15'	15'	30'	Oval to rounded	35-45'	50-60' (100')
Flannel Bush	*Fremontodendron californicum*	E	8'	8'	6'	6'	4'	3'	0'	25'	20'	12'	15'	15'	Flat-topped Vase	20-25'	20-25'
Kentucky Coffee Tree	*Gymnocladus dioica*		8'	15'	8'	6'	6'	6'	30'	25'	20'	15'	15'	25'	Oval with coarse branching	40-50'	60-75' (90')
Grecian Laurel	*Laurus nobilis*	E	8'	10'	6'	6'	6'	4'	20'	25'	20'	12'	15'	20'	Irregular rounded	20-25'	15-40'
Tulip Tree	*Liriodendron tulipifera*		8'	15'	8'	6'	8'	6'	30'	25'	20'	15'	15'	25'	Oval-rounded with a strong central leader	35-50'	70-90' (150')
Canary Island Pine	*Pinus canariensis*	E	8'	10'	6'	4'	4'	6'	30'	25'	20'	15'	15'	20'	Pyramidal	25-35'	60-80'
Ponderosa Pine	*Pinus ponderosa*	E N P	8'	12'	6'	6'	6'	6'	30'	25'	20'	15'	15'	25'	Conical	30-50'	60-100' (230')
Douglas Fir	*Pseudotsuga menziesii*	E N P	8'	12'	6'	6'	6'	6'	30'	25'	20'	15'	15'	30'	Broadly cylindrical	30-40'	40-80' (200')
Blue Oak	*Quercus douglasii*	N P	8'	15'	8'	8'	8'	8'	30'	25'	20'	15'	15'	30'	Rounded umbrella	50-80'	50-60'
Holly Oak	*Quercus ilex*	E	8'	15'	8'	8'	8'	8'	30'	25'	20'	15'	15'	25'	Rounded	40-50'	40-70'
Burr Oak	*Quercus macrocarpa*		8'	15'	8'	6'	8'	6'	30'	25'	20'	15'	15'	30'	Broad-rounded	75-85'	70-80'
Pin Oak	*Quercus palustris*		8'	15'	8'	8'	8'	8'	30'	25'	20'	15'	15'	30'	pyramidal with a straight central	25-40'	50-80'
Willow Oak	*Quercus phellos*		8'	15'	8'	6'	8'	6'	30'	25'	20'	12'	15'	25'	Rounded	30-40'	40-60' (100')
Cork Oak	*Quercus suber*	E	8'	15'	8'	8'	8'	8'	30'	25'	20'	15'	15'	30'	Rounded	35-45'	70-100'
Japanese Pagoda Tree	*Sophora japonica*		8'	12'	6'	6'	6'	6'	30'	25'	20'	15'	15'	25'	Rounded to broad-spreading	50-75'	50-75'
American Linden	*Tilia americana*		8'	15'	8'	6'	8'	6'	30'	25'	20'	12'	15'	30'	Oval and informal	30-60'	60-80' (100')
Little-Leaf Linden	*Tilia cordata*		8'	12'	6'	6'	6'	6'	20'	25'	20'	12'	15'	18'	Rounded pyramidal	30-50'	60-70' (90')
Chinese Evergreen Elm	*Ulmus parvifolia*		8'	15'	8'	8'	8'	8'	30'	25'	20'	15'	15'	25'	Rounded	40-50'	40-50' (70')

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Trees for 8' Parkway / Planter or Larger																	
Incense Cedar	*Calocedrus decurrens*	E N P	8'	12'	8'	8'	8'	8'	30'	25'	25'	15'	15'	25'	Conical	25-30'	30-50' (150')
Atlas (Blue) Cedar	*Cedrus atlantica*	E	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Flat-topped, loose, open and spreading	30-40'	40-60' (120')
Deodar Cedar	*Cedrus deodara*	E	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	35'	Wide and slightly flat-topped	30-60'	40-70' (200')
Carob	*Ceratonia siliqua*	E	8'	15'	8'	8'	8'	8'	20'	25'	25'	15'	15'	25'	Broad to wide-rounded	30-45'	30-40'
Arizona Cypress	*Cupressus arizonica*	E	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	20'	Conical to vase	25-30'	40-50'
Ginkgo Biloba (Male Only)	*Ginkgo biloba*		8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Wide rounded-pyramidal	30-40'+	35-80' (100')
Dawn Redwood	*Metasequoia glyptostroboides*		8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	25'	Conical to narrow pyramidal and formal	25-35'	80-90' (120')
Empress Tree	*Paulownia tomentosa*		8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	20'	Rounded, open	30-40'	30-40'
Colorado Spruce	*Picea pungens*	E	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	25'	pyramidal to broad conical	10-20'	30-60' (135')
Italian Stone Pine	*Pinus pinea*		8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Broad, flat topped	30-40'	40-80'
Sycamore/ London Plane	*Platanus* species	One is Native	8'	15'	8'	6'	8'	6'	30'	25'	25'	15'	15'	30'	Oval to rounded	30-50'	40-100'
Chinese Wingnut	*Pterocarya stenoptera*		8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	25'	Broad-rounded	30-40'	40-90'
Canyon Live Oak	*Quercus chrysolepis*	E N P	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Broad-rounded	50-70'	50-75'
Scarlet Oak	*Quercus coccinea*		8'	15'	8'	6'	8'	6'	30'	25'	25'	15'	15'	30'	Oval to rounded with an open habit	40-50'	70-75' (100')
Valley Oak	*Quercus lobata*	N P	8'	15'	8'	6'	8'	6'	30'	25'	25'	15'	15'	30'	Broad-rounded	50-80'	70'+
Interior Live Oak	*Quercus wislizenii*	E N P	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Irregular	30-60'	30-75'
Western Red Cedar	*Thuja plicata*	E	8'	15'	8'	8'	8'	8'	30'	25'	25'	15'	15'	25'	Conical to wide conical	50-80'	50-70' (200')
Zelkova	*Zelkova serrata*		8'	15'	8'	6'	8'	6'	30'	25'	25'	15'	15'	30'	shaped and rounded	30-60'	50-80' (120')

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Trees for 12'+ Parkway / Planter																	
American Chestnut	*Castanea dentata*		8'	20'	10'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Oval to rounded or wide spreading	40-60'	80-120'
Southern Magnolia	*Magnolia grandiflora*	E	8'	20'	10'	8'	8'	8'	30'	25'	25'	15'	15'	30'	pyramidal, rounded, pyramidal and	30-50'	60-80'
Chestnut-Leafed Oak	*Quercus castaneafolia*		8'	20'	10'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Broad and rounded	50-60'	70-90'
Red Oak	*Quercus rubra*		8'	20'	10'	6'	8'	6'	30'	25'	25'	15'	15'	30'	Rounded	60-75'	60-75' (100')
Coast Redwood	*Sequoia sempervirens*	E	8'	20'	10'	8'	8'	8'	30'	25'	25'	15'	15'	25'	Narrow pyramidal to wide conical	50-60'	350'
Giant Sequoia	*Sequoiadendron giganteum*	E	8'	20'	10'	8'	8'	8'	30'	25'	25'	15'	15'	30'	Narrow pyramidal	50-60'	325'
Bald Cypress	*Taxodium distichum*		8'	15'	10'	8'	8'	8'	30'	25'	25'	15'	15'	25'	Oval at maturity, uniform	20-30'	50-70' (100')
Not To Be Planted Within 20' of Any Infrastructure and Not to be Planted on Town Property																	
Silver Maple	*Acer saccharinum*		~	~	~	~	~	~	~	~	~	~	~	~	Huge, rounded	50-75'	60-75'
Tree-of-Heaven	*Ailanthus altissima*		~	~	~	~	~	~	~	~	~	~	~	~	Thicket	20-30'	30-40'
Mimosa / Silk Tree	*Albizia julibrissin*		~	~	~	~	~	~	~	~	~	~	~	~	Flat-topped, irregular	30-40'	30-40'
White Alder	*Alnus rhombifolia*	N	~	~	~	~	~	~	~	~	~	~	~	~	Pyramidal to rounded	15-25'	30-45'
Modesto Ash	*Fraxinus velutina* 'Modesto'		~	~	~	~	~	~	~	~	~	~	~	~	Rounded	25-35'	35-45'
Glossy Privet	*Ligustrum lucidum*	E	~	~	~	~	~	~	~	~	~	~	~	~	Rounded	20-30'	25-35'
American Sweet Gum	*Liquidambar styraciflua*		~	~	~	~	~	~	~	~	~	~	~	~	Conical	20-40'	45-65'
Mulberry Family	*Morus* species		~	~	~	~	~	~	~	~	~	~	~	~	Broad-rounded	30-50'	30-50'
Grey Pine/Foothill Pine	*Pinus sabiniana*	E N	~	~	~	~	~	~	~	~	~	~	~	~	Round head	30-40'	60-90'
Cottonwood Family	*Populus* species	Some Can Be Native	~	~	~	~	~	~	~	~	~	~	~	~	Huge, rounded	40-60'	60-100'
Locust family	*Robinia* species		~	~	~	~	~	~	~	~	~	~	~	~	Rounded	30-40'	40-60'
Willow Family	*Salix* species	Some Can Be Native	~	~	~	~	~	~	~	~	~	~	~	~	Variable	Variable	Variable
Chinese Tallow Tree	*Sapium sebiferum*		~	~	~	~	~	~	~	~	~	~	~	~	Rounded	30-40'	35-45'

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