

CLV Preferred Tree List

KEY																							
Rating: environmental tolerance; water efficiency; diversity; maintenance needs; invasiveness; pathogen resistance. Tree Size: <u>S</u> mall (< 20 ft), <u>M</u> edium (20-29 ft), <u>L</u> arge (30- 45ft), <u>E</u> Xtra Large (>45ft) Tree Type: <u>D</u> eciduous, <u>E</u> vergreen, <u>S</u> emievergreen Growth Rate: <u>S</u> low, <u>M</u> oderate, <u>F</u> ast Water Needs: <u>V</u> ery Low, <u>L</u> ow, <u>M</u> oderate, <u>H</u> igh Biogenic Volatile Organic Compounds: <u>L</u> ow, <u>M</u> edium, <u>H</u> igh, or data not available -- *** denotes street trees See Sheet 2 for Attribute Definitions	Comments: 1. Organic mulch recommended 2. Many cultivars 3. Potential diversity issues 4. Low environmental tolerances 5. Invasive species 6. Mojave native 7. Low drought tolerance 8. High pathogen susceptibility 9. Reduced longevity 10. Protected North or East facing microclimate necessary	Downtown District Use: 1. Historic Westside 2. Cashman 3. Medical 4. Market 5. Design 6. Gateway 7. 18b 8. Civic & Business 9. Resort & Casino 10. Fremont East 11. Founders 12. Symphony Park																					
			Rating	Tree Size (S, M, L, X)	Height (average) (Feet)	Width (average) (Feet)	Coverage (Sq. Feet)	Tree Type (D, E, S)	Growth Rate (S, M, F)	Water Needs (V, L, M, H)	Excessive Litter (L, F, S)	Spines or Thorns (Yes or No)	Biogenic Volatile Organic Compounds (L, M, H)	Parking Lot Tree (Yes or No)	Street Tree (Yes or No)	Buffer Tree (Yes or No)	Minimum Soil Surface Area (Sq. Feet)	Minimum Soil Volume (Cu. Feet)	Tolerates Compacted Soil (Yes or No)	Compatible With Turf Grass (Yes or No)	Compatible With Overhead Utilities (Yes or No)	Comments	
Botanical Name	Common Name	District use	Cultivar																				
Extra Large Deciduous Trees																							
<i>Carya illinoensis</i>	Pecan		'Witchita'	3	X	50	40	942	D	M	H	L,S	N	----	N	N	N	240	1600	N	Y	N	1,2,7
<i>Salix gooddingii</i>	Gooddings willow			3	X	60	50	1473	D	F	H	L,F,S	N	----	N	N	N	240	2500	N	Y	N	6
<i>Ulmus americana</i>	American elm	11		3	X	50	60	2155	D	M	M	L	N	----	N	N	N	240	3300	N	Y	N	1,2,7
Large Deciduous Trees																							
<i>Celtis australis</i> ***	Mediterranean hackberry	8, 10, 11,		2	L	45	45	1193	D	M	M	L	N	----	N	Y	N	200	2100	N	Y	N	1
<i>Celtis occidentalis</i> ***	Common hackberry	8, 10, 11,		2	L	45	30	530	D	F	M	L	N	----	N	Y	N	200	1600	N	Y	N	1
<i>Gleditsia triacanthos var. inermis</i> ***	Honey locust	n	'Moraine'	2	L	35	30	530	D	M	M	S	N	M	N	Y	N	200	1000	N	Y	N	1,2
<i>Koelerutaria paniculata</i>	Goldenrain tree	8, 11		3	L	30	30	530	D	M	M		N	H	N	N	N	200	1000	N	Y	N	1,7
<i>Maclura pomifera</i> ***	Osage orange	8, 10, 11	'White Shield'	3	L	40	35	722	D	M	M		Y	----	N	Y	N	200	1300	N	Y	N	1,7
<i>Parkinsonia florida</i>	Blue palo verde	5		2	L	30	30	530	D	M	V	S	N	M	Y	Y	Y	200	1000	Y	N	N	
<i>Parkinsonia praecox</i> ***	Palo brea	1, 3, 5, 6, 7, 11		1	L	35	30	530	D	M	V	S	Y	----	Y	Y	Y	200	1000	Y	N	N	
<i>Pistacia chinensis</i> ***	Chinese pistache	10	'Sarah's Radiance'	3	L	35	30	368	D	M	M	L,S	N	M	Y	Y	N	200	700	Y	Y	N	1,2,3
<i>Pistacia x atlantica</i> ***	Red push pistache	1, 4, 9, 10, 11, 12	'Red Push'	2	L	30	30	368	D	M	M	L	N	M	Y	Y	N	200	700	Y	Y	N	1,3
<i>Platanus occidentalis var. mexicana</i> ***	Mexican sycamore	8, 10, 11		3	L	45	35	722	D	F	M	L	N	H	N	Y	N	200	1000	N	Y	N	1,7
<i>Populus alba</i>	White poplar			3	L	45	40	942	D	F	M	L	N	----	N	N	N	200	1600	N	Y	N	1,2,7,8
<i>Prosopis glandulosa</i>	Thornless honey mesquite	1, 2, 5, 11	'Maverick', 'AZT'	2	L	30	30	530	D	F	L	S	N	----	Y	N	N	200	1000	Y	N	N	8
<i>Prosopis glandulosa var. glandulosa</i>	Texas honey mesquite			2	L	30	30	530	D	F	L	S	Y	----	Y	N	N	200	1000	Y	N	N	8
<i>Quercus buckleyi</i> ***	Buckley oak		'Red Rock'	3	L	30	30	530	D	S	M	L	N	H	N	Y	N	200	1000	N	Y	N	1,7
<i>Quercus canbyi</i>	Canby oak	3, 8, 11		2	L	30	30	530	D	M	M		N	----	N	N	N	200	1000	N	Y	N	1
<i>Quercus douglasii</i> ***	Blue oak	1, 8, 10, 11		2	L	30	30	530	D	M	M		N	M	N	Y	N	200	1000	N	Y	N	1
<i>Quercus lobata</i>	Valley oak			3	L	40	40	942	D	M	M	L,S	N	M	N	N	N	200	1600	N	Y	N	1,7
<i>Quercus macrocarpa</i> ***	Bur oak	8, 10, 11		2	L	45	40	942	D	S	M	L,S	N	----	N	Y	N	200	1600	N	Y	N	1
<i>Quercus muhlenbergia</i>	Chinquapin oak			2	L	30	30	530	D	S	M	L,S	N	----	N	N	N	200	1000	N	Y	N	1
<i>Quercus shumardii</i> ***	Shumard oak	3, 8, 11		3	L	45	30	530	D	M	M	L,S	N	----	N	Y	N	200	1000	N	Y	N	1,7
<i>Ulmus crassifolia</i> ***	Cedar elm	3, 4, 10, 11		2	L	30	35	722	D	M	M		N	----	N	Y	N	200	1300	N	Y	N	1
<i>Vachellia farnesiana</i> ***	Sweet acacia	1, 8		2	L	30	25	368	D	F	L	S	Y	M	N	Y	N	200	700	Y	N	N	
<i>Vachellia schaffneri</i>	Twisted acacia	5		1	L	35	45	1193	D	M	L	S	Y	----	N	Y	N	200	2100	N	N	N	
Medium Deciduous Trees																							
<i>Bauhinia lunarioides</i>	Orchid tree	3, 8, 11		1	M	20	20	236	D	M	L		N	----	N	N	N	120	300	N	N	Y	1
<i>Bauhinia macranthera</i>	Chihuahuan orchid tree			2	M	20	20	236	D	M	M		N	----	N	N	N	120	300	N	N	Y	1
<i>Celtis reticulata</i> ***	Netleaf hackberry	1, 5, 6, 7, 8, 11, 12		1	M	20	20	236	D	S	M	S	N	L	N	Y	N	80	300	N	N	Y	6
<i>Cercis canadensis var. mexicana</i>	Mexican redbud	3, 8, 11		2	M	20	25	368	D	S	M		N	L	N	N	N	120	500	N	Y	Y	1
<i>Chilopsis linearis</i> ***	Desert willow	3, 5, 6, 7, 8		2	M	25	20	236	D	M	M	S	N	M	N	Y	N	120	300	Y	N	N	2,3,6
<i>Ficus carica</i>	Fig		'Brown Turkey'	3	M	20	20	236	D	M	M	L,S	N	H	N	N	N	120	300	N	Y	N	1,2
<i>Fraxinus anomala</i>	Single leaf ash	1, 11		2	M	20	25	368	D	M	M		N	----	N	N	N	120	500	N	Y	Y	1,6
<i>Geoffroea decorticans</i>	Chilean palo verde			2	M	25	25	368	D	S	V	S	Y	----	Y	Y	Y	120	500	N	N	N	4
<i>Havardia mexicana</i> ***	Mexican ebony	1, 2, 5, 6, 7, 8, 10		1	M	25	25	368	D	M	L		Y	----	Y	Y	N	120	500	N	N	N	
<i>Leucaena retusa</i>	Golden leadball tree	5, 6, 7		1	M	20	20	236	D	M	L		N	----	N	Y	N	120	300	N	N	Y	
<i>Morus alba</i> (Female)	Fruiting, Contorted mulberry		'Unryu',	3	M	25	25	368	D	M	M	L,F,S	N	----	N	N	N	120	500	N	Y	N	1,2,7
<i>Olneya tesota</i> ***	Desert ironwood			2	M	25	25	368	D	S	V		Y	M	Y	Y	Y	120	500	Y	N	N	4
<i>Parkinsonia microphylla</i> ***	Foothill palo verde	2, 5		1	M	20	20	236	D	S	V		Y	M	N	Y	Y	120	300	N	N	Y	6
<i>Parkinsonia x sonorae</i>	Sonoran hybrid palo verde			1	M	20	20	236	D	S	V		Y	M	N	Y	Y	120	300	N	N	Y	
<i>Pistacia vera</i>	Pistachio			3	M	20	15	133	D	M	M	S	N	M	N	N	N	120	200	N	Y	Y	1,2
<i>Prosopis glandulosa var. torreyana</i>	Western honey mesquite			1	M	20	20	236	D	M	V	L	Y	----	N	Y	N	120	300	Y	N	Y	6,8
<i>Prosopis pubescens</i>	Screwbean mesquite	11		1	M	20	25	368	D	M	V	S	Y	----	N	N	N	120	500	N	N	Y	6
<i>Prunus dulcis</i>	Almond			3	M	25	25	368	D	M	M	L,S	N	----	N	N	N	120	500	N	Y	N	1,2
<i>Prunus mexicana</i>	Mexican plum	1, 8, 9		3	M	25	25	368	D	M	M	S	N	----	N	N	N	120	500	N	Y	N	1
<i>Punica granatum</i>	Pomegranate			3	M	20	15	133	D	M	M	S	Y	----	N	N	N	120	200	N	N	Y	
<i>Quercus gambelii</i>	Gambel oak			2	M	25	25	368	D	M	M	S	N	M	N	N	N	120	500	N	Y	N	1,6
<i>Sapindus saponaria var. drummondii</i> ***	Western soapberry			2	M	25	25	368	D	M	M		N	----	N	Y	N	120	500	N	Y	N	1
Small Deciduous Trees																							
<i>Acer ginnala</i>	Amur maple			3	S	15	15	133	D	S	H	L	N	----	N	N	N	80	200	N	Y	Y	1,7
<i>Cercis canadensis var. texensis</i>	Texas redbud	3, 8, 11	'Oklahoma'	2	S	15	20	236	D	S	M		N	L	N	N	N	80	300	N	Y	Y	1
<i>Cercis occidentalis</i>	Western redbud			3	S	15	15	133	D	S	M		N	L	N	N	N	80	200	N	Y	Y	6
<i>Condalia hookeri</i>	Brazilian bluewood			2	S	15	15	133	D	M	V		Y	----	N	N	N	80	200	N	N	Y	
<i>Havardia pallens</i>	Tenaza			2	S	15	15	59	D	M	L		N	----	N	N	N	80	100	N	N	Y	
<i>Rhus copallinum var. lanceolata</i>	Prairie flameleaf sumac	1, 11		2	S	15	20	236	D	M	M		N	L	N	N	N	80	300	N	N	Y	1
<i>Senegalia greggii</i>	Cat claw acacia			1	S	15	20	236	D	S	V		Y	L	N	N	N	80	300	Y	N	Y	6
<i>Ulmus glabra</i>	Camperdown wych elm		'Camperdownii'	3	S	15	15	133	D	S	M		N	----	N	N	N	80	200	N	Y	Y	1,7,10
<i>Ungnadia speciosa</i>	Mexican buckeye			2	S	10	15	133	D	S	M		N	----	N	N	N	80	200	N	N	Y	
<i>Vachellia constricta</i>	Whitethorn acacia			1	S	15	15	133	D	M	V		Y	----	N	N	N	80	200	N	N	Y	
<i>Ziziphus jujuba</i>	Jujube			2	S	25	20	236	D	S	M	S	Y	H	N	N	N	80	300	N	Y	N	1,2
Extra Large Evergreen Trees																							
<i>Eucalyptus camaldulensis</i>																							

CLV Preferred Tree List

KEY																						
Rating: environmental tolerance; water efficiency; diversity; maintenance needs; invasiveness; pathogen resistance. Tree Size: <u>S</u> mall (< 20 ft), <u>M</u> edium (20-29 ft), <u>L</u> arge (30- 45ft), <u>E</u> Xtra Large (>45ft) Tree Type: <u>D</u> eciduous, <u>E</u> vergreen, <u>S</u> emievergreen Growth Rate: <u>S</u> low, <u>M</u> oderate, <u>F</u> ast Water Needs: <u>V</u> ery Low, <u>L</u> ow, <u>M</u> oderate, <u>H</u> igh Biogenic Volatile Organic Compounds: <u>L</u> ow, <u>M</u> edium, <u>H</u> igh, or data not available -- *** denotes street trees See Sheet 2 for Attribute Definitions	Comments: 1. Organic mulch recommended 2. Many cultivars 3. Potential diversity issues 4. Low environmental tolerances 5. Invasive species 6. Mojave native 7. Low drought tolerance 8. High pathogen susceptibility 9. Reduced longevity 10. Protected North or East facing microclimate necessary	Downtown District Use: 1. Historic Westside 2. Cashman 3. Medical 4. Market 5. Design 6. Gateway 7. 18b 8. Civic & Business 9. Resort & Casino 10. Fremont East 11. Founders 12. Symphony Park	Rating	Tree Size (S, M, L, X)	Height (average) (Feet)	Width (average) (Feet)	Coverage (Sq. Feet)	Tree Type (D, E, S)	Growth Rate (S, M, F)	Water Needs (V, L, M, H)	Excessive Litter (L, F, S)	Spines or Thorns (Yes or No)	Biogenic Volatile Organic Compounds (L, M, H)	Parking Lot Tree (Yes or No)	Street Tree (Yes or No)	Buffer Tree (Yes or No)	Minimum Soil Surface Area (Sq. Feet)	Minimum Soil Volume (Cu. Feet)	Tolerates Compacted Soil (Yes or No)	Compatible With Turf Grass (Yes or No)	Compatible With Overhead Utilities (Yes or No)	Comments
Botanical Name	Common Name	District use	Cultivar																			
Medium Evergreen Trees																						
<i>Acacia coriacea</i> ***	Desert oak			2	M	20	25	368	E	M	L	L	N	L	Y	Y	Y	120	500	Y	N	Y
<i>Acacia estrophiolata</i> ***	Ironwood			2	M	25	25	368	E	M	V		N	---	Y	Y	Y	120	500	Y	N	N
<i>Acacia jennerae</i> ***	Coonawittra wattle			2	M	25	25	368	E	S	L		N	---	Y	Y	Y	120	500	N	N	N
<i>Acacia pendula</i> ***	Weeping acacia	1, 6		1	M	25	20	236	E	M	V		N	M	Y	Y	Y	120	300	Y	N	N
<i>Acacia saligna</i> ***	Blue leaf wattle			3	M	25	20	236	E	F	L	L	N	---	Y	Y	Y	120	300	Y	N	5
<i>Arbutus unedo</i>	Strawberry tree			3	M	20	20	236	E	S	H	S	N	L	N	N	N	120	300	N	N	4,7,10
<i>Arbutus x andrachnoides</i>	Marina strawberry tree		'Marina'	3	M	20	25	368	E	S	H	S	N	L	N	N	N	120	500	N	Y	1,4,7,10
<i>Callistemon viminalis</i>	Weeping bottlebrush			3	M	20	20	236	E	M	M		N	H	N	N	N	120	300	N	Y	1
<i>Eucalyptus spathulata</i>	Swamp mallee			2	M	20	25	368	E	M	L		N	---	N	N	Y	120	500	N	N	Y
<i>Juniperus osteosperma</i>	Utah juniper			2	M	20	20	236	E	S	L		N	---	N	N	Y	120	300	N	N	1,6
<i>Pittosporum angustifolium</i> ***	Willow pittosporum	3, 5, 6, 7		1	M	25	15	133	E	M	L		N	---	Y	Y	Y	120	200	N	N	4
Small Evergreen Trees																						
<i>Acacia aneura</i> ***	Mulga acacia			1	S	15	15	133	E	S	V		N	M	Y	Y	Y	80	200	N	N	Y
<i>Acacia craspedocarpa</i>	Leather leaf acacia	5, 7		1	S	15	15	133	E	M	V		N	---	Y	N	Y	80	200	N	N	Y
<i>Ilex cornuta</i>	Burford holly		'Burfordii'	3	S	15	15	59	E	S	H		N	---	N	N	N	80	100	N	Y	1,2,7,10
<i>Ilex vomitoria</i> ***	Yaupon holly	6, 8, 9		2	S	15	15	59	E	M	M		N	---	N	Y	Y	80	100	N	Y	1,7
<i>Ilex x altaclerensis</i>	Wilson holly		'Wilsonii'	3	S	15	15	59	E	S	H		N	---	N	N	N	80	100	N	Y	1,7,10
<i>Ilex x 'Nellie R. Stevens'</i>	Nellie R. Stevens holly		'Nellie R. Stevens'	3	S	15	15	59	E	S	H		N	---	N	N	N	80	100	N	Y	1,2,7,10
<i>Juniperus monosperma</i>	One seed juniper			2	S	15	15	133	E	S	L		N	---	N	N	Y	80	200	N	N	1,6
<i>Laurus nobilis</i>	Bay laurel			2	S	15	15	133	E	M	M		N	L	N	N	Y	80	200	N	Y	1
<i>Pistacia lentiscus</i> ***	Mastic tree			2	S	15	15	133	E	M	L		N	---	N	Y	Y	80	200	N	N	4
<i>Quercus turbinella</i>	Desert scrub oak			1	S	15	15	133	E	S	L		N	---	N	N	Y	120	200	N	N	1,6
<i>Rhamnus alaternus</i>	Italian buckthorn			3	S	15	15	133	E	S	M		N	---	N	N	N	80	200	N	Y	1,4,10
<i>Sophora secundiflora</i> ***	Texas mountain laurel	3, 5, 7, 8	'Silver Sierra'	1	S	15	15	133	E	S	L		N	---	N	Y	Y	80	200	N	N	Y
<i>Xylosma congestum</i>	Xylosma			2	S	15	15	133	E	S	L		N	M	N	N	Y	80	200	N	Y	1
Large Semi-Evergreen Trees																						
<i>Pistacia atlantica</i>	Mt. Atlas mastic tree			3	L	30	30	530	S	M	M	S	N	---	N	N	N	200	1000	N	N	1
<i>Prosopis alba</i> ***	Argentine mesquite			3	L	30	30	530	S	F	L	S	Y	---	N	Y	Y	200	1000	Y	N	2,3
<i>Prosopis chilensis</i> ***	Chilean mesquite			3	L	30	30	530	S	F	L	S	Y	---	Y	Y	Y	200	1000	Y	N	2,3
<i>Prosopis velutina</i>	Velvet mesquite		'AZT'	1	L	35	40	942	S	F	V	S	Y	---	N	Y	Y	200	1600	Y	N	N
<i>Prosopis x alba</i> ***	Thornless hybrid mesquite	4	'Phoenix', 'AZT'	2	L	30	30	530	S	F	L	S	N	---	N	Y	Y	200	1000	Y	N	2,3
<i>Prosopis x chilensis</i> ***	Thornless chilean mesquite		'AZT', 'Arizona'	2	L	30	30	530	S	F	L	S	N	---	N	Y	Y	200	1000	Y	N	N
<i>Prosopis x 'Seedless AZT'</i> ***	Seedless hybrid mesquite		'AZT'	2	L	30	30	530	S	F	L		Y	---	Y	Y	Y	200	1000	Y	N	N
<i>Quercus suber</i> ***	Cork oak			2	L	40	30	530	S	S	M	S	N	H	N	Y	Y	200	1000	N	Y	N
<i>Quercus virginiana</i> ***	Cathedral live oak	8, 10, 11	'Cathedral'	2	L	30	25	368	S	M	M	S	N	H	N	Y	Y	200	700	N	Y	1,8
<i>Quercus virginiana</i> ***	High Rise live oak	8, 10, 11	'High Rise'	2	L	35	20	236	S	M	M	S	N	H	N	Y	Y	200	400	N	Y	1,8
<i>Quercus virginiana</i> ***	Southern live oak	8, 10, 11	'Millenium'	2	L	40	45	1193	S	M	M	S	N	H	N	Y	Y	200	2100	N	Y	1,2,3,8
<i>Ulmus parvifolia</i> ***	Lacebark Elm		'Allee'	3	L	40	40	942	S	M	M	L,S	N	L	N	Y	N	200	1600	N	Y	1,2,3,7
Medium Semi-Evergreen Trees																						
<i>Cordia boissieri</i> ***	Texas olive	3, 11		1	M	20	15	133	S	S	M		N	---	N	N	Y	120	200	N	Y	N
<i>Ebenopsis ebano</i> ***	Texas ebony	3, 11		2	M	25	20	236	S	S	V		Y	---	N	Y	Y	120	300	Y	N	8
<i>Eysenhardtia orthocarpa</i> ***	Kidneywood	5, 6, 7		2	M	20	25	368	S	M	L		N	---	N	Y	Y	120	500	N	N	1,2
<i>Parkinsonia x 'AZT Thornless'</i>	Thornless hybrid palo verde	5, 12	'AZT Thornless'	1	M	25	25	368	S	M	V		N	M	Y	Y	Y	120	500	Y	N	N
<i>Parkinsonia x 'Sonoran Emerald'</i>	Sonoran emerald palo verde		'Sonoran Emerald'	2	M	25	25	368	S	M	V		N	M	Y	Y	Y	120	500	Y	N	8
<i>Parkinsonia x 'Desert Museum'</i>	Desert museum palo verde		'Desert Museum'	3	M	25	25	368	S	M	V		N	M	Y	Y	Y	120	500	Y	N	3
<i>Quercus x undulata</i>	Wavy leaf oak			1	M	20	20	236	S	M	L		N	---	N	N	Y	120	300	N	Y	1,2,6
Small Semi-Evergreen Trees																						
<i>Lysiloma watsonii</i>	Fern of the desert			3	S	15	15	133	S	M	L		N	---	N	N	N	80	200	N	N	4
<i>Sambucus nigra ssp. cerulea</i>	Blue elderberry			1	S	15	25	368	S	M	M	L,F	N	L	N	N	N	80	500	N	Y	N
<i>Vachellia gerrardii</i>	Red thorn			2	S	15	20	236	S	S	V		Y	---	N	N	Y	80	300	N	N	Y
<i>Vachellia rigidula</i>	Blackbrush acacia			1	S	15	15	133	S	S	V		Y	---	N	N	Y	80	200	N	N	Y