|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Botanical Name** | **Common Name** | **Comments** | **Stature** | **Water Use** | **CA native** |
| *Acer × freemanii* | Freeman Maple | A. saccharinum x A. rubrum; requires structural pruning | L | Drought tolerant |  |
| *Acer buergerianum* | Trident Maple |   | S | High |  |
| *Acer negundo* | Boxelder | Narrow, upright | M | Moderate | Native |
| *Acer platanoides* | Norway Maple | Endures drought but prefers moisture, Well drained soil | M-L | Drought tolerant |  |
| *Acer pseudoplatanus* | Sycamore Maple | Well drained soil | L | Drought tolerant |  |
| *Acer rubrum* | Red Maple | Endures drought but prefers moisture | M | Drought tolerant |  |
| *Acer saccharum* | Sugar Maple |   | L | High |  |
| *Arbutus 'marina'* | Marina Madrone |   | S | Low |  |
| *Casuarina cunninghamiana* | River She-Oak |   | L | Drought tolerant |  |
| *Celtis australis* | European Hackberry |   | L | Drought tolerant |  |
| *Cinnamomum camphora* | Camphor | Trees started from cuttings only | L | Moderate |  |
| *Corymbia citriodora* | Lemon-Scented Gum | Parks only | L | Drought tolerant |  |
| *Corymbia ficifolia* | Red Flowering Gum |   | M | Drought tolerant |  |
| *Eriobotrya deflexa* | Bronze Loquat |   | S | Moderate |  |
| *Eucalyptus forrestiana* | Fuchsia Eucalyptus | Shrub | S | Drought tolerant |  |
| *Eucalyptus leucoxylon* | Wallangarra White Gum |   | L | Drought tolerant |  |
| *Eucalyptus microtheca* | Coolibah Gum | Early structural pruning | M | Drought tolerant |  |
| *Eucalyptus polyanthemos* | Silver Dollar Gum |  | L | Drought tolerant |  |
| *Eucalyptus robusta* | Swamp Mahogany |   | L | Drought tolerant |  |
| *Eucalyptus spathulata* | Swamp Mallee | Tolerant of poor soil | M | Drought tolerant |  |
| *Eucalyptus torquata* | Coral Gum |   | M | Drought tolerant |  |
| *Gingko biloba*  | Maiden Hair | Well drained soil | L | Low |  |
| *Gleditsia triacanthos* | Honey Locust |   | M | Drought tolerant |  |
| *Grevillea robusta* | Silk Oak | Litter, Brash wood | L | Drought tolerant |  |
| *Hesperocyparis macrocarpa* | Monterey Cypress | Parks only | L | Drought tolerant | Native |
| *Koelreuteria bipinnata* | Chinese Flame Tree |   | M | Moderate |  |
| *Koelreuteria paniculata* | Golden Rain Tree | Minimum 10x10 ft. parkway with proper site prep. | M | Drought tolerant |  |
| *Liquidambar formosana* | Chinese Sweetgum | Smaller than American Sweetgum, but still requires lots of space for root expansion | M | Moderate |  |
| *Lophostemon confertus* | Brisbane Box |   | M-L | Drought tolerant |  |
| *Melaleuca linariifolia* | Flaxleaf Paperbark |   | M | Drought tolerant |  |
| *Melaleuca quinquenervia* | Paperbark (Cajeput) |   | M | Drought tolerant |  |
| *Metrosideros excelsa*  | New Zealand Christmas Tree |   | M | Drought tolerant |  |
| *Pinus pinea* | Italian Stone Pine | Parks only | L | Drought tolerant |  |
| *Pistacia chinensis* | Chinese Pistache |   | M | Drought tolerant |  |
| *Pittosporum undulatum* | Victorian Box |   | M | Drought tolerant |  |
| *Platanus x hispanica* | London Plane | Over used, Use sparingly | L | Moderate |  |
| *Quercus agrifolia* | Coast Live Oak |   | L | Drought tolerant | Native |
| *Quercus ilex* | Holly Oak |   | M-L | Low |  |
| *Quercus palustris*  | Green Pillar Oak | Takes high pH soil, Brown leaves hang on until spring | M | High |  |
| *Quercus robur x Q. Alba ‘Crimschmidt* | Crimson Spire Oak |   | L | Moderate |  |
| *Quercus shumardii* | Shumard Oak |   | L | Low |  |
| *Quercus suber* | Cork Oak |   | L | Drought tolerant |  |
| *Quercus virginiana* | Southern Live Oak |   | L | Moderate |  |
| Rhus lancea | African Sumac |   | S | Drought tolerant |  |
| *Robinia pseudoacacia* | Black Locust |   | L | Low |  |
| *Robinia pseudoacacia 'frisia'* | Frisia Locust | Well drained soil | M | Very Low |  |
| *Schinus terebinthifolius* | Brazilian Pepper |   | M | Drought tolerant |  |
| *Sophora japonica* | Japanese Pagodatree |   | M | High |  |
| *Ulmus Americana* (DED resistant) | American Elm | there are a number of DED resistant cultivars | L | Moderate |  |
| *Zelcova serrata* | Sawleaf Zelcova |   | M-L | Moderate |  |

The above list is from Steve and Molly Batchelder of SBCA Tree Consulting and Emeryville’s current tree inventory, cross-referenced with the tree GHG calculator (iTree). Low carbon sequesters have been eliminated from the list. Steve and Molly have gone through the list in March 2016 to update the recommendations for best species to plant in Emeryville. Drought tolerance and compatible growing conditions were prioritized.

Water use ranges from drought tolerant, low, moderate, and high. Moderate to high water use should be used sparingly and in park settlings with supplemental irrigation.

Stature is tree size at maturity. S is 20-30’, M is 30-60’, and L is 60-120’. These also are correlative with soil volume requirements, where S is 600 cubic feet of rootable soil, M is 900 cubic feet, and L is 1200 cubic feet

Drought tolerance can be improved by increasing the available soil volume requirements.