

### The Urban Forest

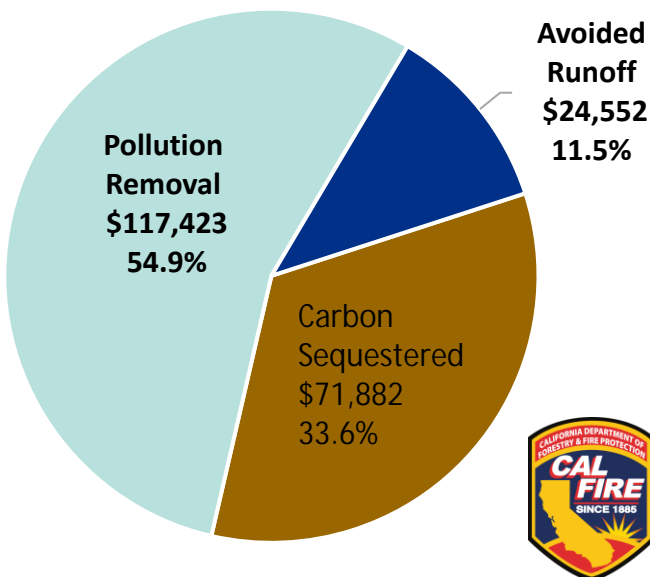
The urban forest refers to all public and private trees and shrubs that grow within an urban area. Davis' urban forest provides 1,681 acres of canopy cover across the community (26.2% of overall land cover). There is potential to increase canopy cover up to 47.6%.

The urban forest includes 30,692 publicly-owned and managed trees, or "City trees". This subset of the overall urban forest provides more than 315 acres of canopy (4.9% of overall land cover). To date, City trees have stored 16,158 tons of CO<sub>2</sub>. Based on the 2018 inventory, the majority (93.3%) of City trees are in good or better condition. To replace all City trees with trees of similar size, species, and condition, would cost over \$91.5 million.

### Annual City Tree Benefits

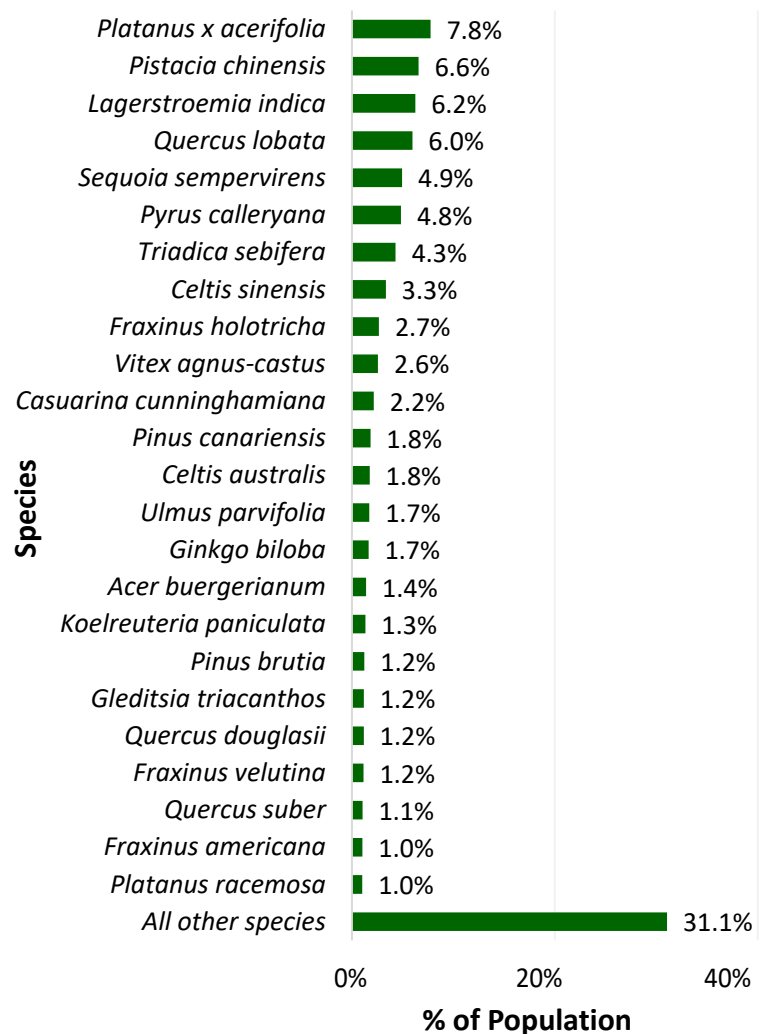
Each year, City trees provide \$213,857 in quantifiable benefits, an average of \$6.97 per tree. These benefits include:

- 10.4 tons of air pollutants removed
- 421.5 tons of CO<sub>2</sub> sequestered
- 2.7 million gallons of stormwater intercepted



### City Tree Species Composition

Diversity in an urban forest is important to improve resilience and reduce the impact from pests and disease. The City tree resource includes more than 207 unique species. The 4 most prevalent species represent 26.6% of the overall population. Forestry experts recommend that no species represent more than 10% and no single genus represent more than 20% of the overall population. In Davis, no single species nor genus exceed this widely accepted rule.



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