



City of Denton

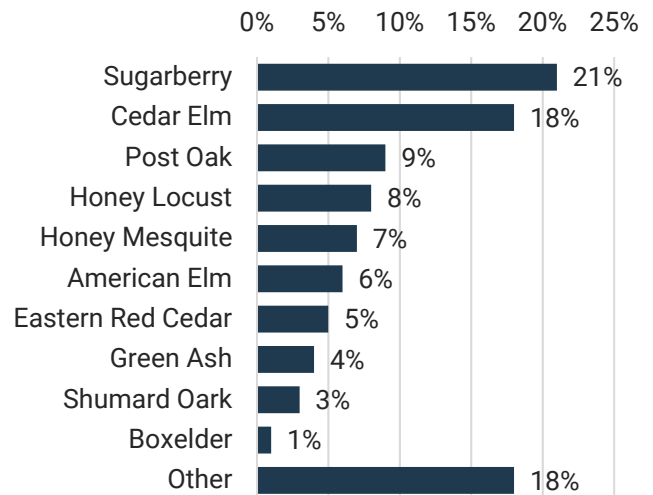
Urban Forest Resource Summary

An urban forest is the collection of trees and woody shrubs growing in an urban environment. Denton's urban forest includes trees on private property and public trees on streets, in parks, and at city facilities. Existing tree canopy is estimated to cover 30% of Denton. The following information summarizes the structure and benefits of Denton's urban forest based on a randomized sample of 275 inventory plots.¹

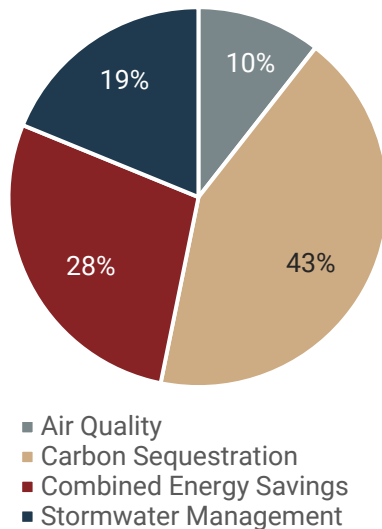
Composition

- 3,463,000 trees
- Sugarberry (21%) is the most common species, followed by cedar elm (18%), and post oak (9%)
- 74,492 acres of canopy cover
- 458,000 tons of carbon stored in woody and foliar biomass
- \$2.06 billion to replace with trees of similar size and species

TOP 10 PREVALENT SPECIES



ANNUAL BENEFITS



Annual Benefits

- \$7.2 million in total annual benefits, including:
 - \$759,000 in air quality improvements
 - \$1.6 million in energy savings
 - 18,564 therms of natural gas saved
 - 23,000 tons of CO₂ sequestered
 - 20.2 million cubic feet of stormwater captured
 - \$4.1 million in property value/retail benefits

Other Highlights

- Denton's urban forest provides 52,000 tons of oxygen per year
- 44% of existing land area may be suitable for future tree planting
- 14% of land is covered by impervious surface (e.g., roads, parking lots, buildings)

¹ State of the Urban Forest Report, 2017