

# Austin's Tree Canopy

Presentation for the Joint Sustainability Committee



December 2024



# Presentation Overview

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- Austin's urban forest stats
- How equity fits in
- Additional tools

# Urban Forest Stats



## Data Collected

2014 to 2022

SAMPLE AREA  
map at bottom right

**195K** AC

PLOT COUNT  
plot size = 1/6 acre

**304**

## Number of Trees

TOTAL LIVING  
Overall Tree Population

**40.7M**  
± 4.7M

**28.4M** LIVE TREES

1.0" – 4.9" DIAMETER ± 4.4M

**12.2M** LIVE TREES

5.0"+ DIAMETER ± 787K

TOTAL DEAD  
Standing, 1.0"+ diameter

**2.0M**  
± 372K

**3.6K**

CASES/YEAR

NEGATIVE HEALTH EFFECTS AVOIDED

\$12.2M / year

**2.3K**

TONS/YEAR

POLLUTION REMOVAL

**563K**

GIGAJOULES/YEAR

REDUCED RESIDENTIAL ENERGY USE

\$23.7M / year

**196M**

CUBIC FEET/YEAR

AVOIDED RUNOFF

\$13.1M / year

**\$12.4B**

COMPENSATORY  
VALUE





# 2022 Tree Canopy & Plantable Space

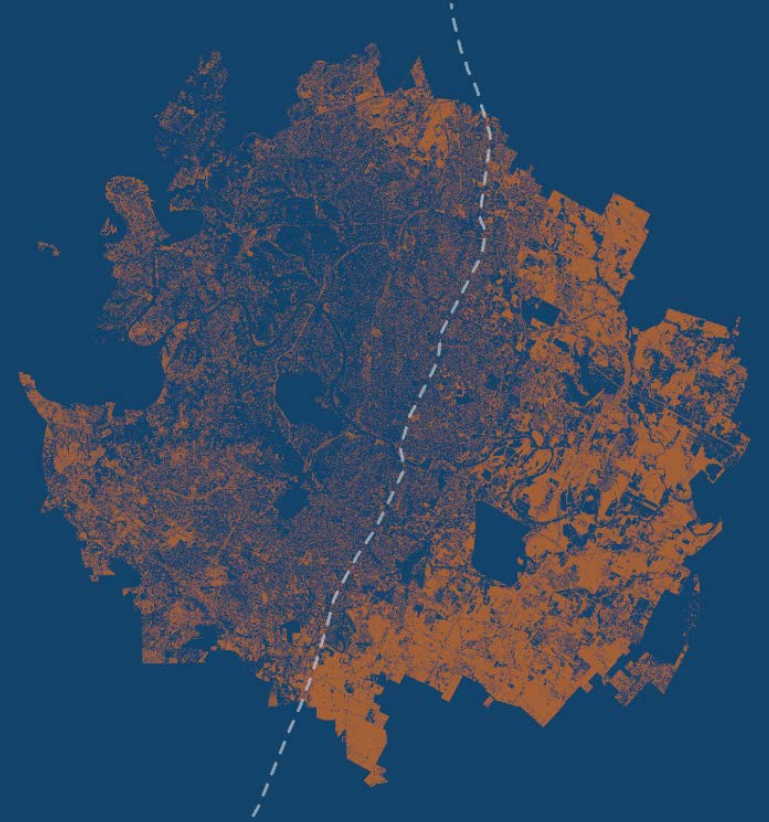
41%

Canopy Cover



39K

Acres of new  
canopy needed to  
meet 50% canopy  
cover goal.



<https://storymaps.arcgis.com/stories/d9ba0b99c60b4b8395414a09c4533949>

The City of Austin measures tree canopy every 4 years using the calculation: **tree canopy area divided by land area**. The canopy cover number uses the City of Austin's boundary, inclusive of full purpose, limited purpose, and extraterritorial jurisdictions in May 2023.

*Analysis provided by Alan Halter, IT Geospatial Analyst Senior, Development Services Department, Urban Forest Program*

# Growing our canopy, equitably

## Community Tree Priority Map

- Organized into 2 categories:
  - High
  - Low
- Includes 9 data inputs in these categories:
  - Environment
  - Social Vulnerability
  - Community Investment
  - Health & Well-Being



# Additional tools

## My City's Trees

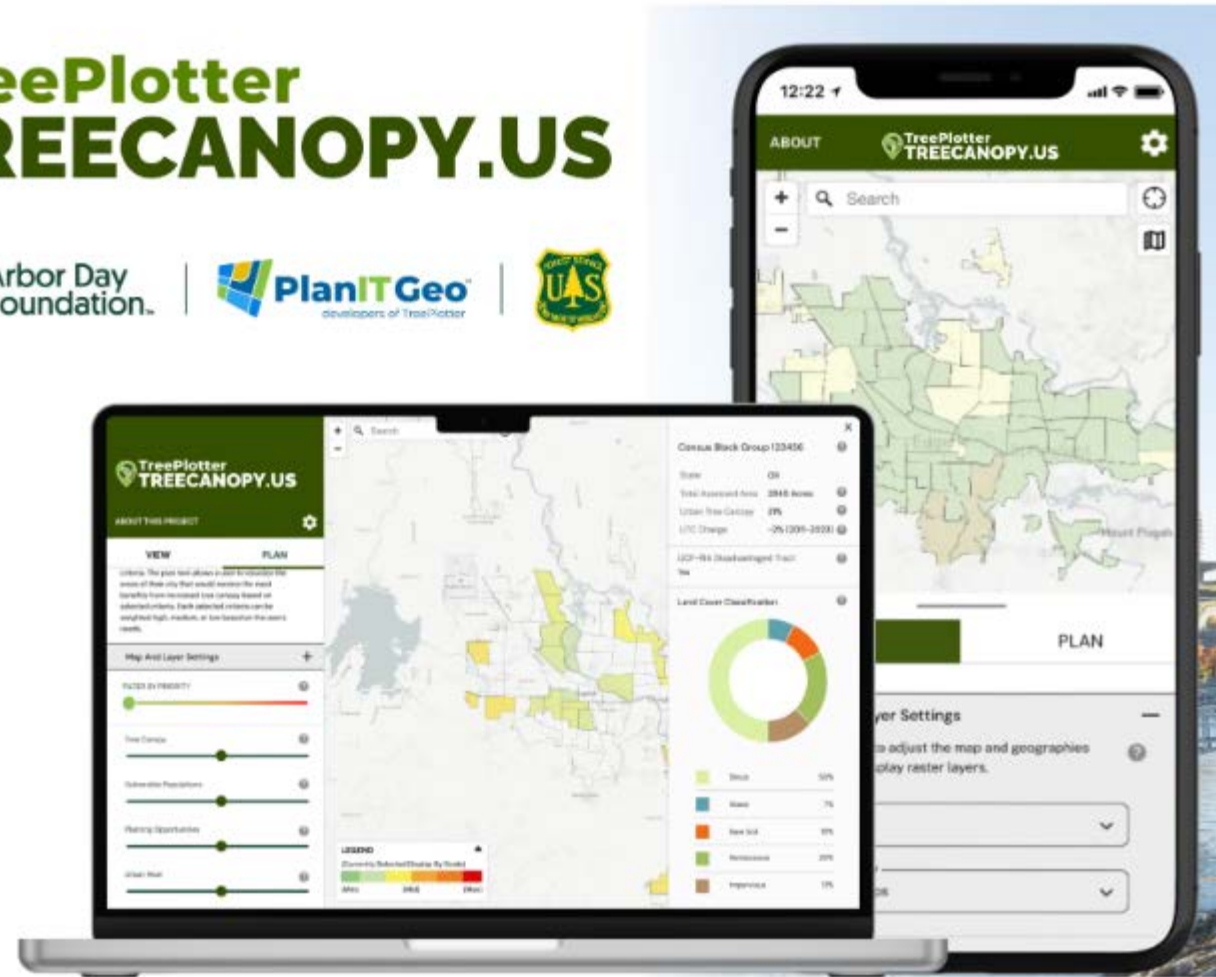
- Urban Forest Inventory and Analysis data
- Inventory statistics
- Summary Reports



# Additional tools

## Tree Canopy

- National tree canopy database
- View tree canopy cover and land cover classes
- Planning tool built-in





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