Street Tree Inventory – Seattle





Our vision, mission, and core values

Vision: Seattle is a thriving equitable community powered by dependable transportation

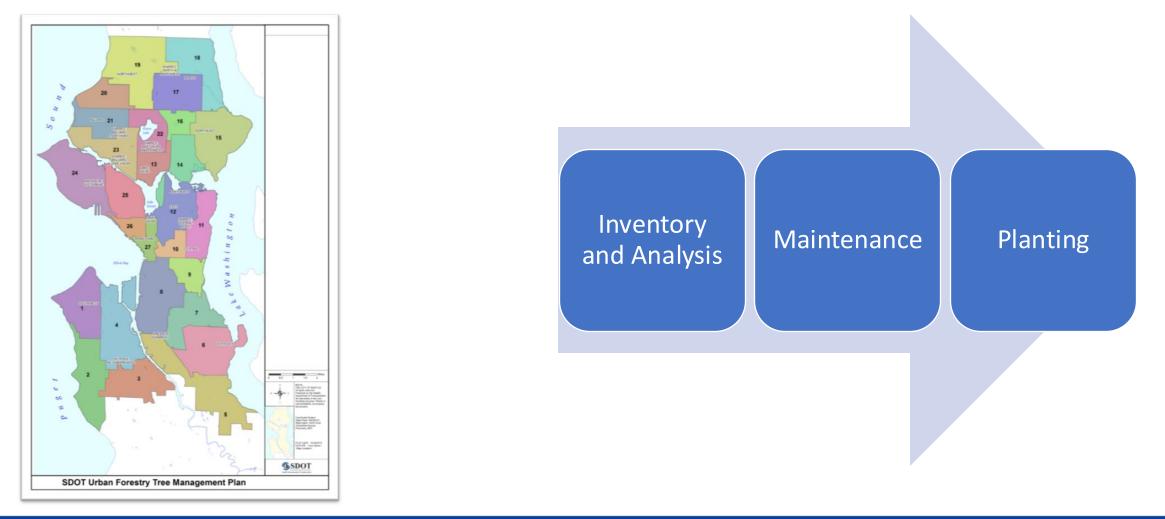
Mission: to deliver a transportation system that provides safe and affordable access to places and opportunities

Committed to 6 core values:

- Equity
- Safety
- Mobility
- Sustainability
- Livability
- Excellence



SDOT Management Units at-a-glance



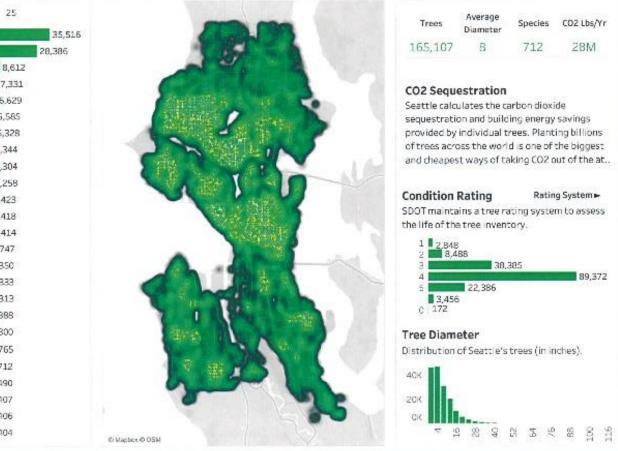


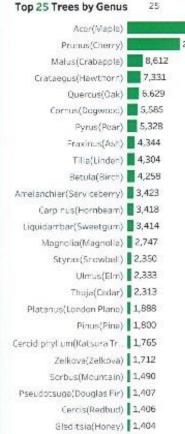
Seattle's Street Tree Inventory

Seattle Department of Transportation 002

In 2016, SDOT launched our Street Tree Management Plan. This program gives us the opportunity to engage with Seattle's street trees with an innovative approach. To do this, we created 27 management units throughout Seattle and will focus efforts in a minimum of three units per year. We have assessed 21 of 27 management units since 2016. Data Source

Through effective inventorying, maintenance, replacement, and community involvement, we hope to ensure the health, preservation, and expansion of Seattle's urban forest. Trees improve our health and environment and make our neighborhoods friendlier places to live, work, and play. The City of Seattle's goal, as outlined in the Urban Forest Stewardship Plan, is to increase Seattle's tree canopy cover to 30 percent by 2037. That's why, when SDOT must remove trees, we are committed to replanting 2 trees for every 1 removed. Tree replacement planting is funded by the 9-year Levy to ...







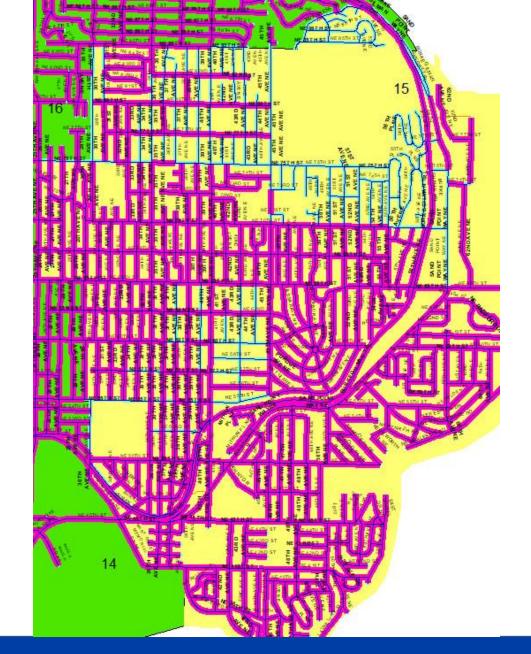
• Over the years.....

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Management Unit Tracking

 A GIS tracking map is created, and streets are flagged as being complete once they have been surveyed





Daily Customer Service Usage

Q 2024 - Master Urban Forestry - ArcMan File Edit View Boy 🔍 🔍 🖑 🥥 💥 🖸

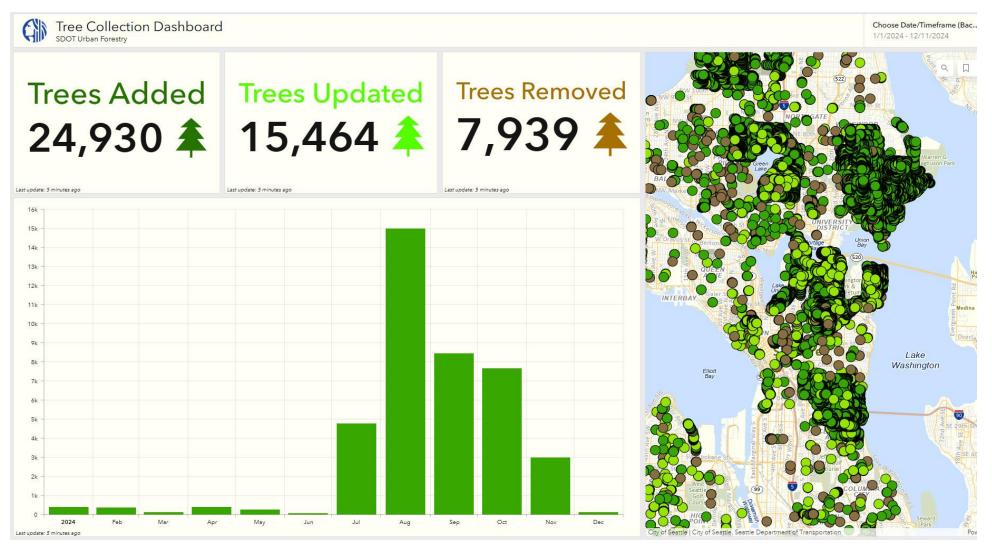
Table Of Contents E 🚨 😞 🚨 🖽 🖃 🥰 Layers

- ArcGIS is used by our arborists when we receive customer service requests, or permit applications.
- Display gives a quick indication of tree size and maintenance responsibility.

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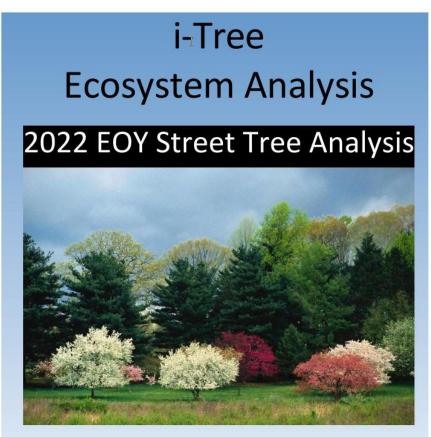


• Accomplishment Tracking





• Reporting



Urban Forest Effects and Values March 2023

i-Tree **Ecosystem Analysis** 2023 Final Street Tree Report

2

Urban Forest Effects and Values February 2024



How do we use the Data?



Emerald Ash Borer Why Form a Plan?

Our priority pests aren't here yet, **but will be soon**

Currently 4,596 inventoried ash street trees (#9 – 199,614 total)

Spread from urban to rural

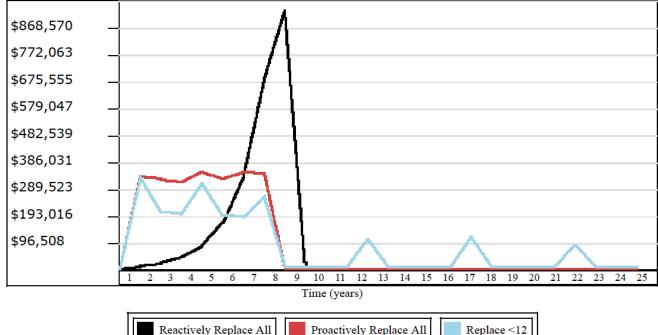
More expensive and destructive to wait

Priority for state & federal regulatory authorities

Creation of Washington State Urban Forest Pest Readiness Playbook

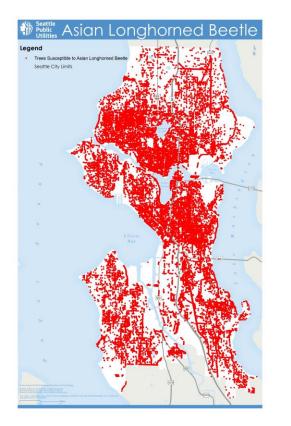
Emerald Ash Borer Cost Estimate for Seattle

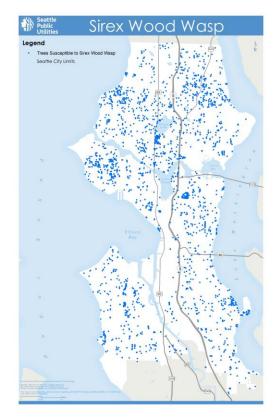
Annual Cost Comparison in Today's Dollars Over Time With a 3% Discount Rate



Purdue University EAB Cost Calculator









Map Credit: GIS Analysts in the Environmental Science & Technology Division in Drainage and Waste Water in Seattle Public Utilities

Host Trees of Priority Pests



THANK YOU!

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www.seattle.gov/transportation



