Street Tree Management Plan

SDOT Urban Forestry
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SDOT mission, vision, and core values

**Mission:** deliver a high-quality transportation system for Seattle  
**Vision:** connected people, places, and products

Committed to 5 core values to create a city that is:
- Safe
- Interconnected
- Affordable
- Vibrant
- Innovative

For all
Division mission

SDOT Maintenance Operations Division mission is to provide integrated maintenance, emergency response, and stewardship of the engineered and natural systems within the Right of Way to promote a safe, vibrant and interconnected city.
Presentation overview

• Context
• Overview
• Details
• 2016 in Review
• Next Steps
9-year Street Tree Management Plan

- New management approach
- 2016 – 2024
- 27 management units
  - City council districts divided along U.S. Census tracts
- 3 units per year
Planting in Seattle

- Past planning and policy efforts around street trees have impacted where they grow throughout the city
- Est. 250,000 total trees in the Right of Way
- 40,000 SDOT street trees
Bridging the Gap Legacy

All Trees per Square Mile of ROW

SDOT Trees per Square Mile of ROW

Private Trees per Square Mile of ROW
Bridging the Gap Legacy

All Trees per Square Mile of ROW

SDOT Trees per Square Mile of ROW

Private Trees per Square Mile of ROW
Made Possible By

• Levy to Move Seattle’s third tree crew
• 2/3 of existing crews’ time will be dedicated to programmatic maintenance
• Over 44% of total resources dedicated to programmatic maintenance
Objectives

- Inventory
- Maintain
- Replace
- Connect
Activities

- Use ArcGIS Collector App to update street tree inventory with handheld devices
- Hire additional inventory support staff
- Inventory all street trees in Seattle
Activities

- Scheduled pruning and maintenance
- Emergency Response
- Hazardous Tree Removal
- Establish recently planted trees
Activities

- Plant at least two trees for every one removed
- Leverage existing gaps within SDOT tree “corridors”
- Use iTree analysis of inventory to make better decisions

Replace
Activities

- Conduct RET Analysis to optimize benefits and minimize harm
- Implement inclusive outreach strategies to engage communities
  - Survey
  - Fact Sheets
  - Newsletter Posts
Where we’ve been

- **2016 Completed Units:**
  - South Park/Highland Park (Unit 3)
  - Rainier Beach (Unit 5)
  - Lake City/Olympic Hills (Unit 18)

- **2017 In Progress Units:**
  - First Hill/Central District (Unit 10)
  - University District/Ravenna/Eastlake (Unit 14)
  - Ballard/Fremont (Unit 23)
2016 in Review

- Estimated Annual Benefits To-Date: $841,647

- 2016 Total Expenditures: $990,828
  - Inventorying: $56,022
  - Pruning: $477,442
  - Removal: $32,070
  - Planting: $297,997
  - Watering: $127,297
Unit 3 – South Park / Highland Park

• Inventory is 100% Complete
• Trees Added to Inventory: 3,685
• Total Trees Inventoried: 6,081
• 153% Inventory Increase
• Initial Annual Benefits of Inventory: $122,201
• Annual Benefits of Final Inventory: $375,364
  – Energy
  – CO2
  – Air Quality
  – Storm Water
  – Aesthetic
Unit 3 – Initial Top 5 Genera

Top 5 Initial Genera

- Maple (25%)
- Cherry (15%)
- Ash (10%)
- Crabapple (8%)
- Hawthorne (5%)
- Other (37%)
Unit 3 – Final Top 5 Genera

Top 5 Final Genera

- Maple (25%)
- Cherry (15%)
- Pear (7%)
- Crabapple (6%)
- Serviceberry (5%)
- Other (42%)
Next Steps
Questions?

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www.seattle.gov/transportation/STMP.htm

www.seattle.gov/transportation