Street Tree Management Plan

SDOT Urban Forestry

Darren Morgan, Anne Pfeifer

April 3, 2017

The Levy to
MOVE SEATTLE

Seattle
Department of
Transportation

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
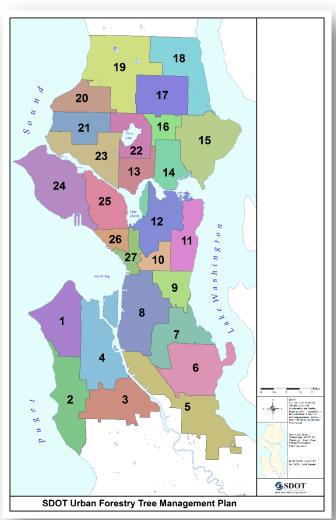- Vibrant
- Innovative

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

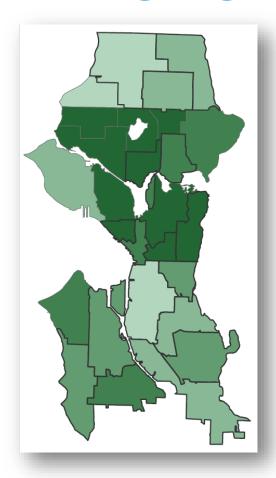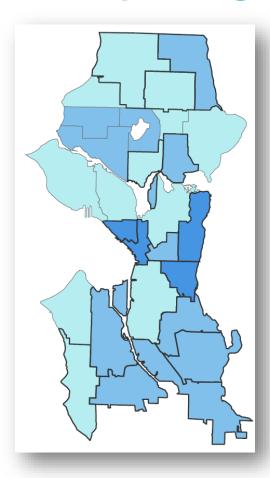**SDOT Urban Forestry Tree Management Plan**

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
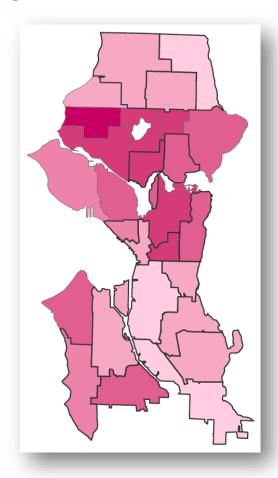
- 40,000 SDOT street trees

Bridging the Gap Legacy
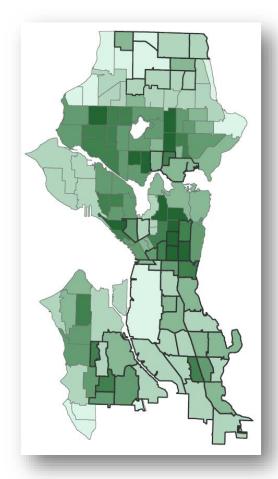

All Trees per Square Mile of ROW

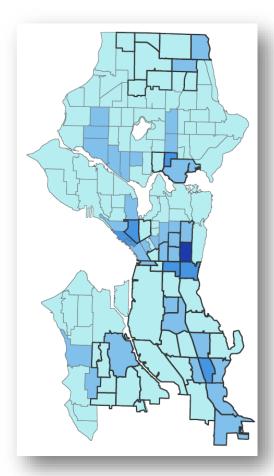SDOT Trees per Square Mile of ROW
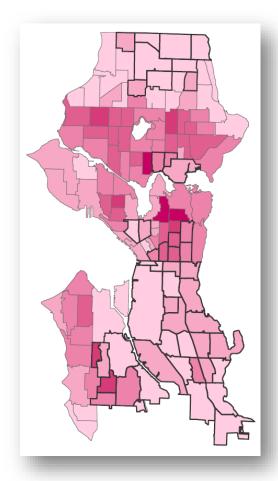
Private Trees per Square Mile of ROW

Bridging the Gap Legacy

All Trees per Square Mile of ROW

SDOT Trees per Square Mile of ROW

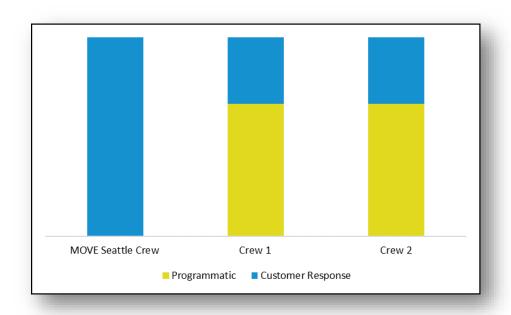Private Trees per Square Mile of ROW

Made Possible By

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

Inventory

- Use ArcGIS Collector App to update street tree inventory with handheld devices

- Hire additional inventory support staff

- Inventory all street trees in Seattle

Activities

Maintain

- Scheduled pruning and maintenance

- Emergency Response

- Hazardous Tree Removal

- Establish recently planted trees
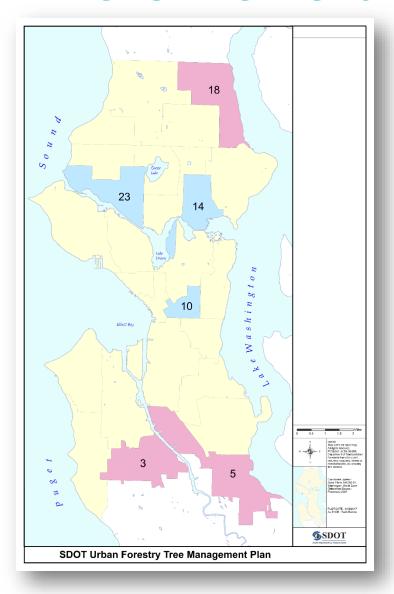
Activities

Replace

- 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

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

SDOT Urban Forestry Tree Management Plan

- 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
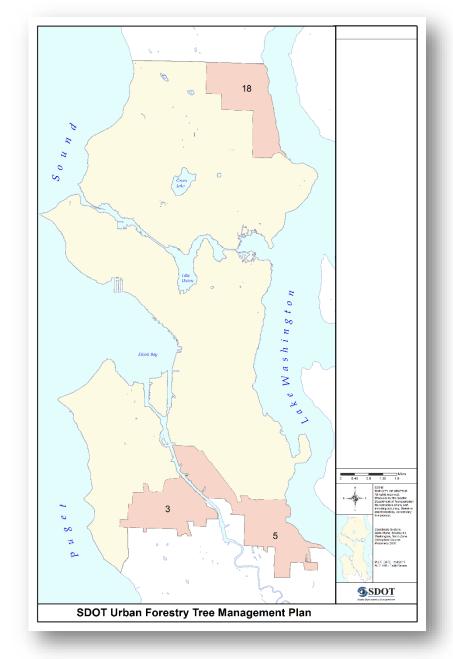
- 2016 Total Expenditures: $990,828

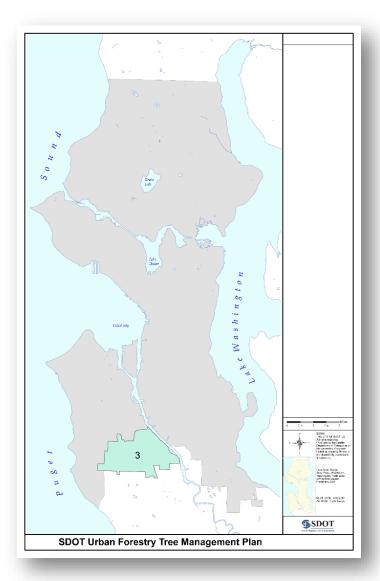 – Inventorying: $56,022
  – Pruning: $477,442
  – Removal: $32,070
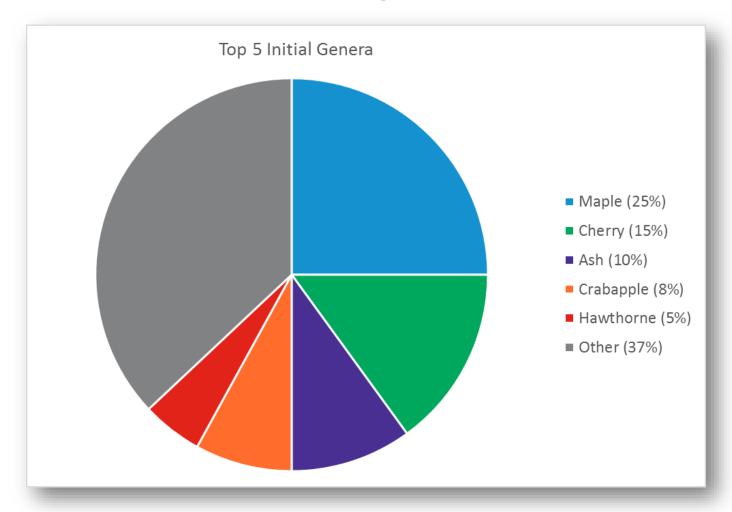 – Planting: $297,997
  – Watering: $ 127,297

SDOT Urban Forestry Tree Management Plan

Unit 3 – South Park / Highland Park

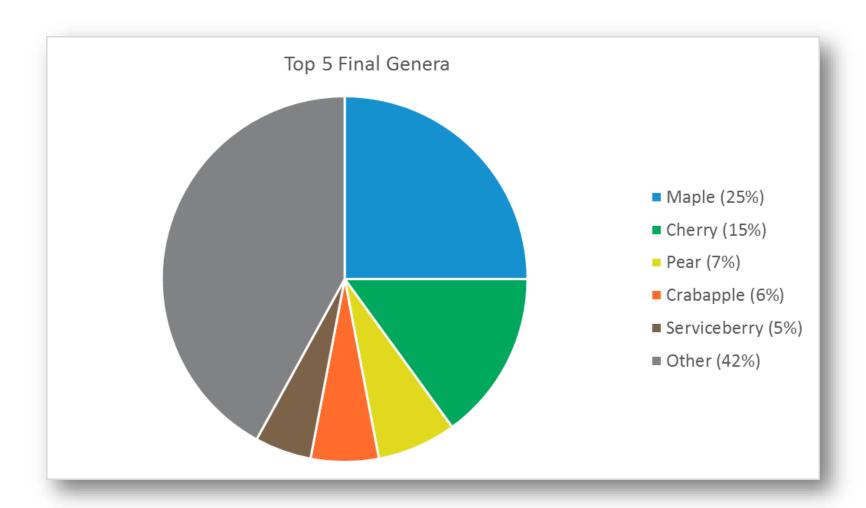SDOT Urban Forestry Tree Management Plan

- 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

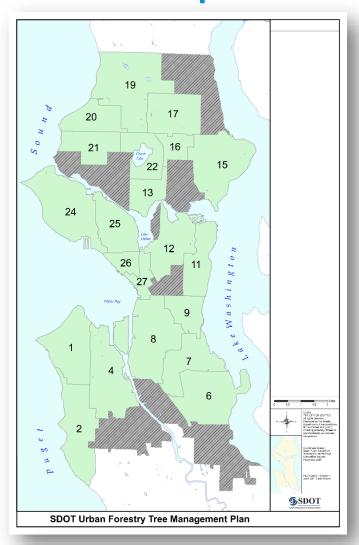 - Energy
  - CO2
  - Air Quality
  - Storm Water
  - Aesthetic

Unit 3 – Initial Top 5 Genera

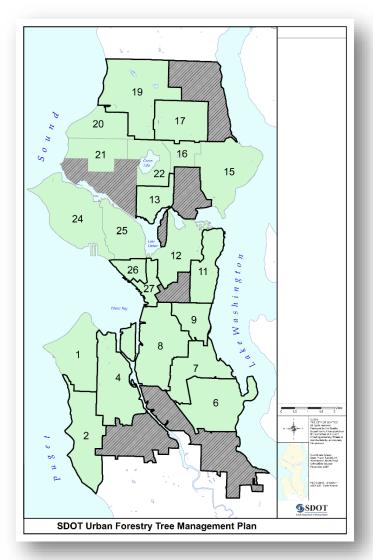Top 5 Initial Genera

- 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

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Questions?

seattle.trees@seattle.gov | (206) 684-TREE (8733)

www.seattle.gov/transportation/STMP.htm

www.seattle.gov/transportation

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