

# Seattle City Light's Vegetation Management Unit



## **Mission:**

***Vegetation Management is committed to ensuring safe and reliable power delivery through the comprehensive and environmentally responsible management of the vegetation our lines and infrastructure impact.***

# Socio-Environmental Benefits of Trees

## Traditional Ecosystem Services

Carbon sequestration, H<sub>2</sub>O run-off, Particulate Filtration, Oxygen production, Habitat, Weather mitigation, etc.

## Societal and Psycho-Social Impacts

Reduced stress, Faster medical recovery time, Decrease domestic violence, Increased home value, Decreased traffic speeds, UHI Mitigation, etc.

# Impacts of Vegetation Management

Trees Removed (-)

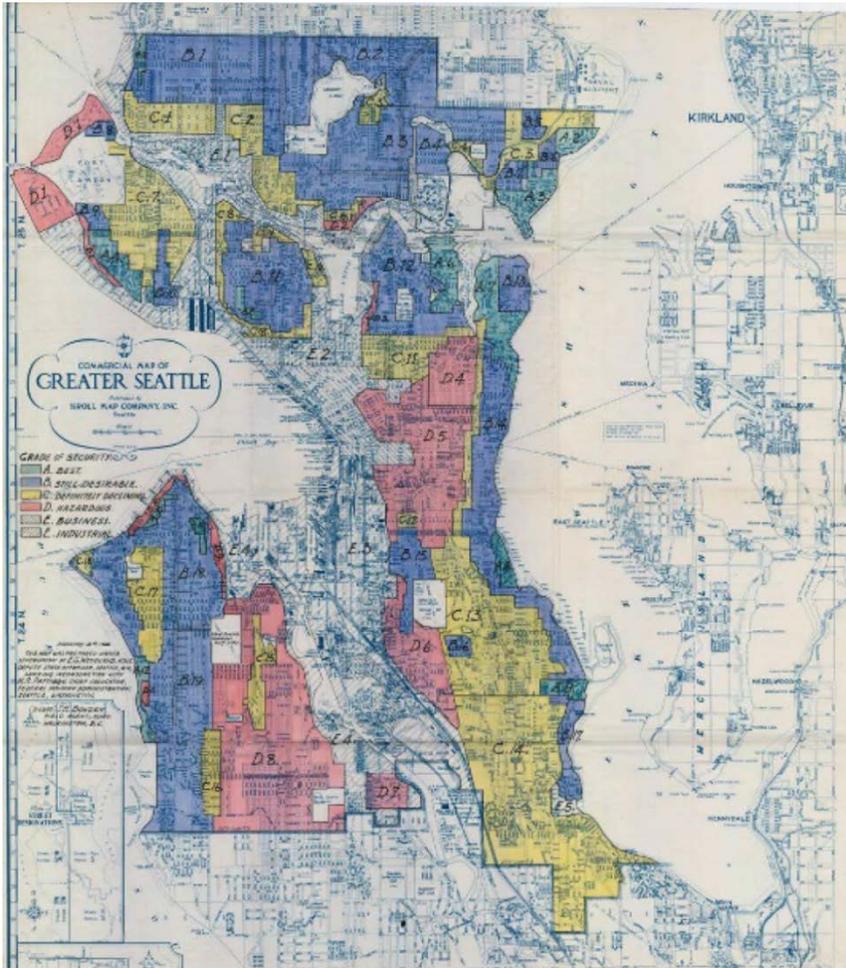
Trees pruned (-)

Trees planted (+/-)

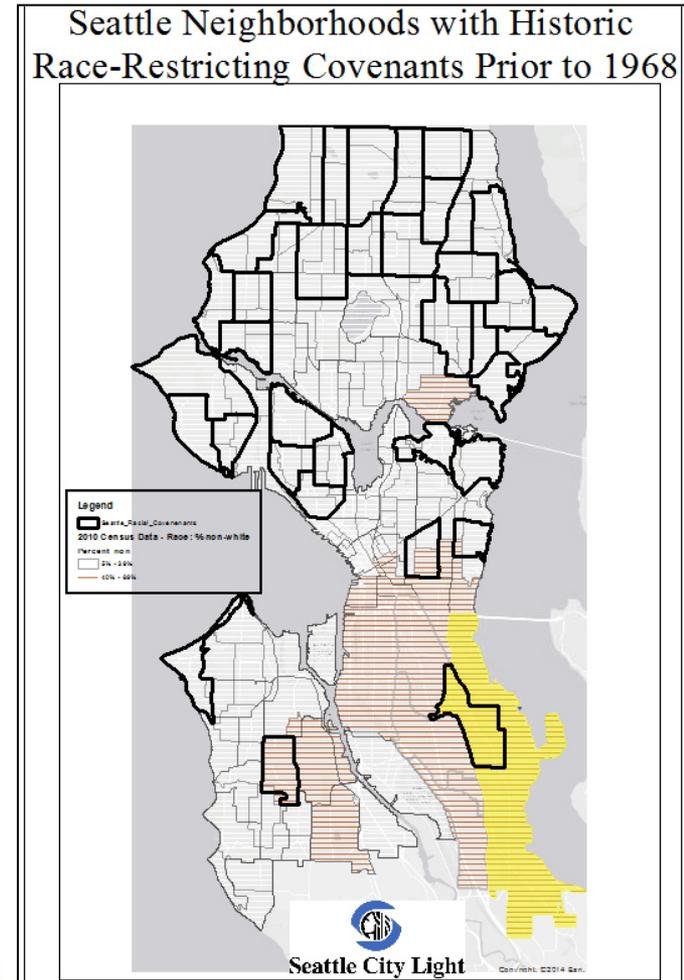


# Equity Vs. Equality

“Redline” Map – 1935 Evaluation of Loan Risk



Neighborhoods with Race Restricting Covenants post 1926



Seattle City Light

### North Seattle

	1960	2010
White	99.1%	75.2%
Black	0.1%	3.1%
"Other"	0.8%	
Asian/PI		10.7%
Native		0.5%
Latino		5.5%
Mixed		5.0%

Sources: Data from [www.socialexplorer.com](http://www.socialexplorer.com) for 54 census districts. 2010 map extracted from the interactive Racial Dot map produced by Dustin A. Cable for the [Weldon Cooper Center for Public Service](http://www.weldoncoopercenter.org) at the University of Virginia.

### Central District

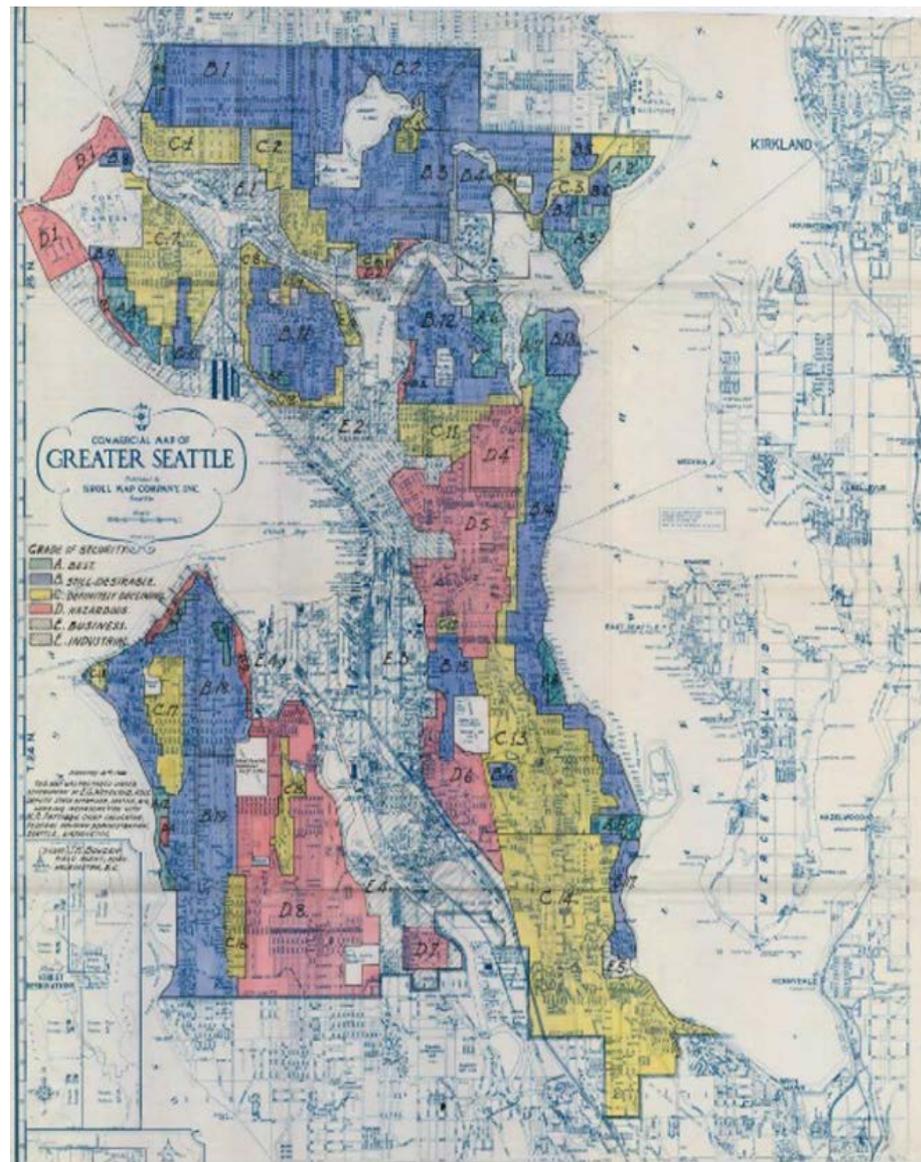
	1960	2010
White	28.5%	49.1%
Black	54.4%	22.3%
"Other"	17.1%	
Asian/PI		14.7%
Native		0.5%
Latino		7.8%
Mixed		5.1%

Sources: Data from [www.socialexplorer.com](http://www.socialexplorer.com) for 7 census districts. 2010 map extracted from the interactive Racial Dot map produced by Dustin A. Cable for the [Weldon Cooper Center for Public Service](http://www.weldoncoopercenter.org) at the University of Virginia.

### South Seattle

	1960	2010
White	89.0%	29.8%
Black	3.2%	21.2%
"Other"	7.8%	
Asian/PI		34.5%
Native		0.6%
Latino		8.6%
Mixed		5.0%

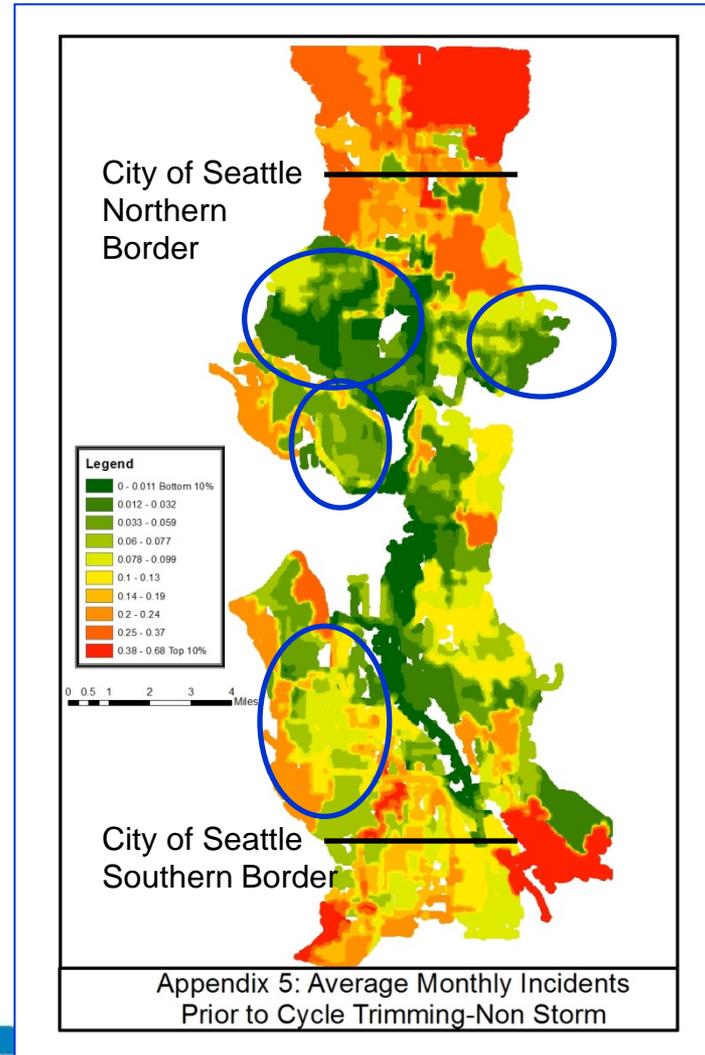
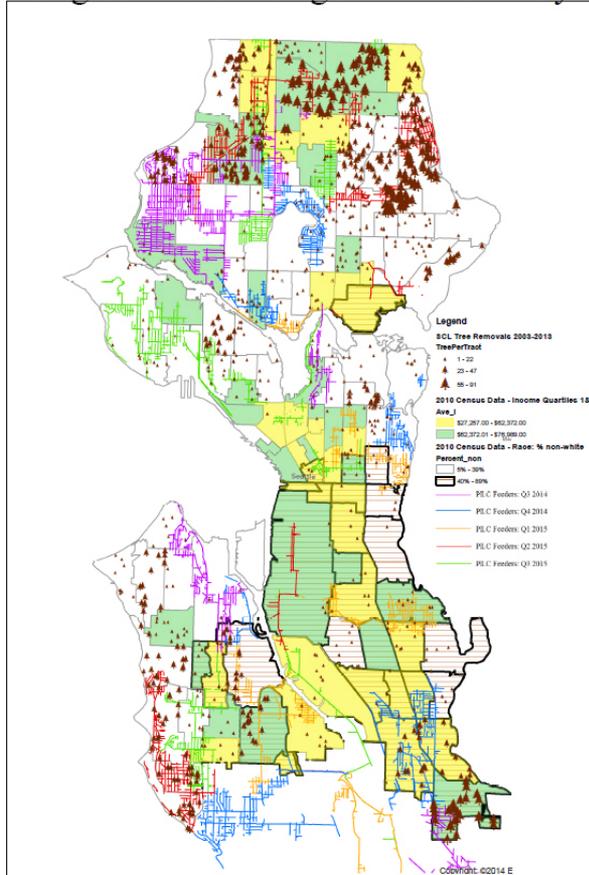
Sources: Data from [www.socialexplorer.com](http://www.socialexplorer.com) for 20 census districts. 2010 map extracted from the interactive Racial Dot map produced by Dustin A. Cable for the [Weldon Cooper Center for Public Service](http://www.weldoncoopercenter.org) at the University of Virginia.



# Seattle City Light

Where are we removing trees relative to traditionally marginalized populations?  
Why are we removing trees – outage based or complaint based?

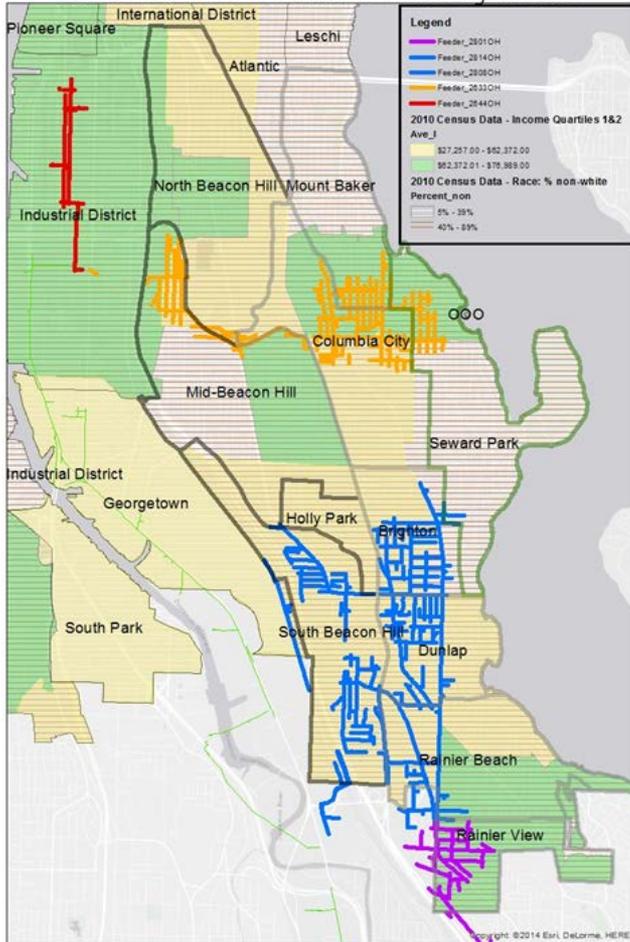
2014-2015 Seattle City Light  
Strategic Tree Planting Location Analysis



Seattle City Light

# 2014-2015 Urban Forestry Focus on SE District

## 2014-2015 Seattle City Light SE District Urban Forestry Plan



### More Trees = Healthy Neighborhood

The City of Seattle is focusing on growing trees in the Rainier Beach neighborhood. Throughout the year, you may see us working on important tree projects such as planting, caring for young trees, pruning, and clearing trees away from power lines to reduce power outages. We will also be present at a number of community meetings and gatherings including Rainier Summer Streets.

Come on up and say hi - we would love to chat with you about the numerous benefits trees bring to a community and show you the best way to care for them.

For more information about this effort, please contact: 206-615-1668, treesforneighborhoods@seattle.gov

### UPCOMING ACTIVITIES

June/July	Tree trimming for power clearance <i>South of Mt. Baker Blvd</i>
July 26	Volunteer Street Tree Stewardship Work Party <i>Rainier Sound Transit Station</i>
August 4	Trees for Neighborhoods applications open <i>Citywide</i>
August 16	Columbia City Tree Walk, Rainier Summer Steets <i>Columbia City</i>
August 23	Volunteer Street Tree Stewardship Work Party <i>Rainier Beach High School</i>
August - October	Tree trimming for power clearance <i>South of S. Frontenac St. &amp; Rainier Beach playfield</i>
September 19	Park(ing) Day
October 11	Community Volunteer Tree Planting
October 18	Arbor Day
October 19	Trees for Neighborhoods pickup event
November 1	Trees for Neighborhoods pickup event
November 9	Green Seattle Day



# Where We're Going

- Continue working with OSE, SPU, SDOT, Parks and Dept. of Neighborhoods on future mission-driven urban forestry agenda
- Continue to map trees planted
- Analyze removal protocol and outage correlation
- Partnering with UW Dept. of Geography MA of GIS for Sustainability Management program on PLC impact analysis – Aug 2014

# Where We were Going (8/2012)

- Treeline USA - 2013 – Approved 2013+2014
- Interdepartmental Coordination - Ongoing
- Veg Mgmt Software – 2013(?) – On-track 2015
- Tree Growth Regulators (with SDOT and Parks)  
Held-up in review
- ROW Steward Program in dev't (UAA, EPRI, TNC, Wildlife Habitat Council, U.S. EPA)

The FUTURE!

QUESTIONS?