

2017 Tree Canopy Assessment Results and Next Steps City Council Update



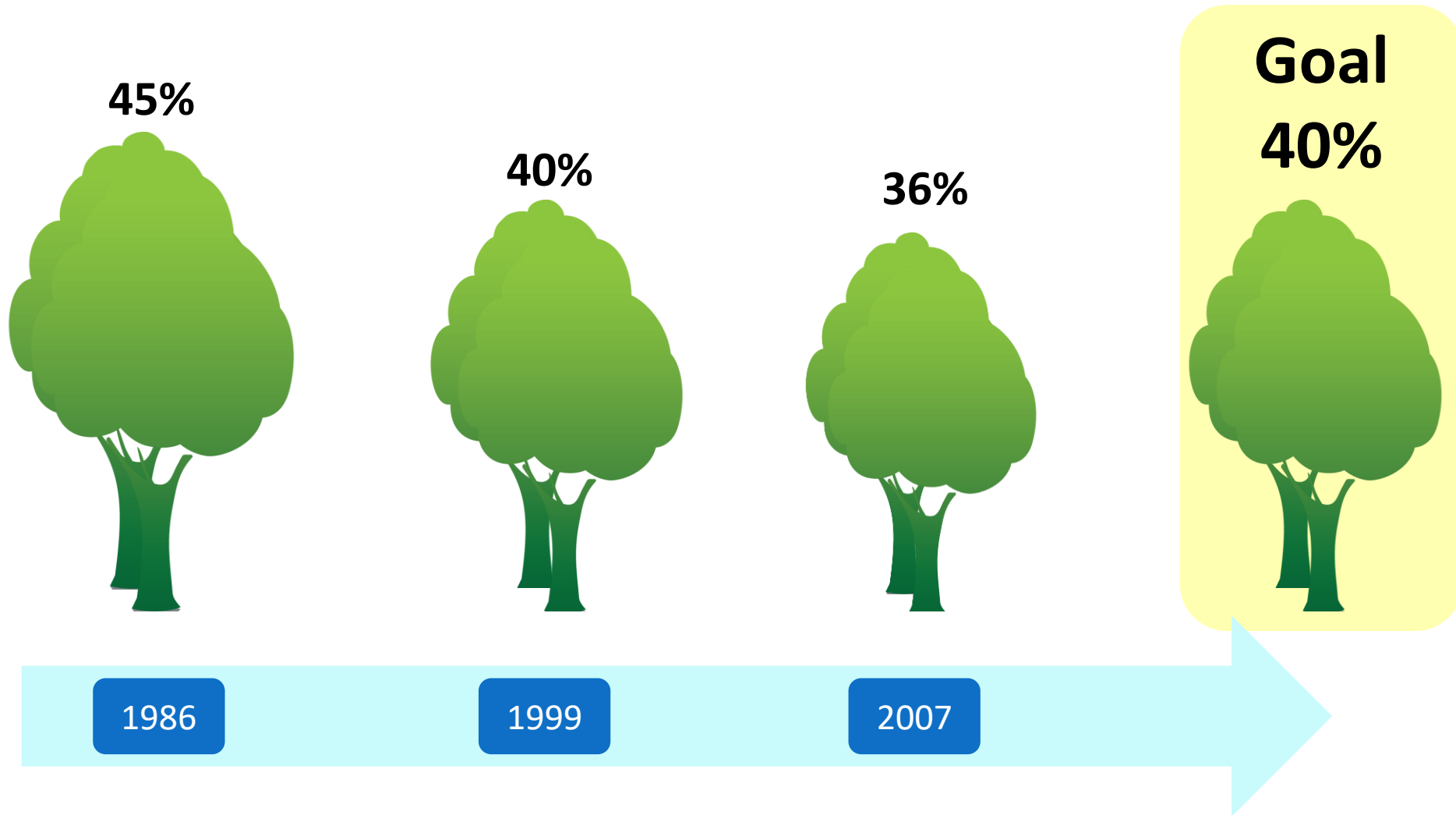
Presenters: Jennifer Ewing and Mac Cummins
September 24, 2018

Presentation Outline

1. Tree Canopy Background
2. Policy Drivers
3. Scope of the Study
4. Key Findings
5. Recommendations and Next Steps

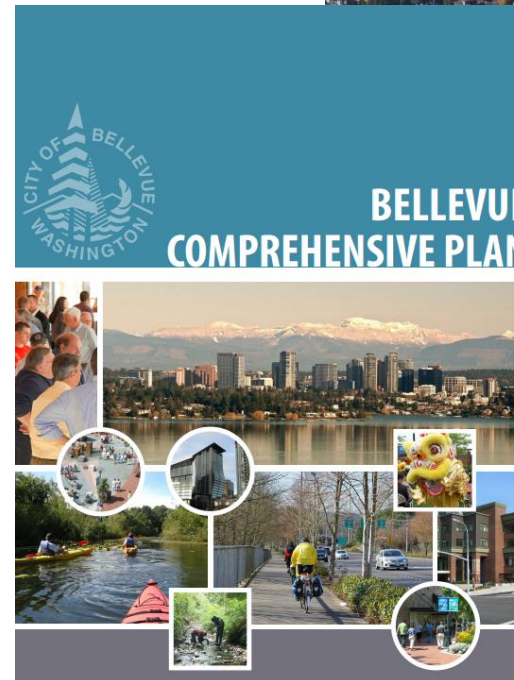
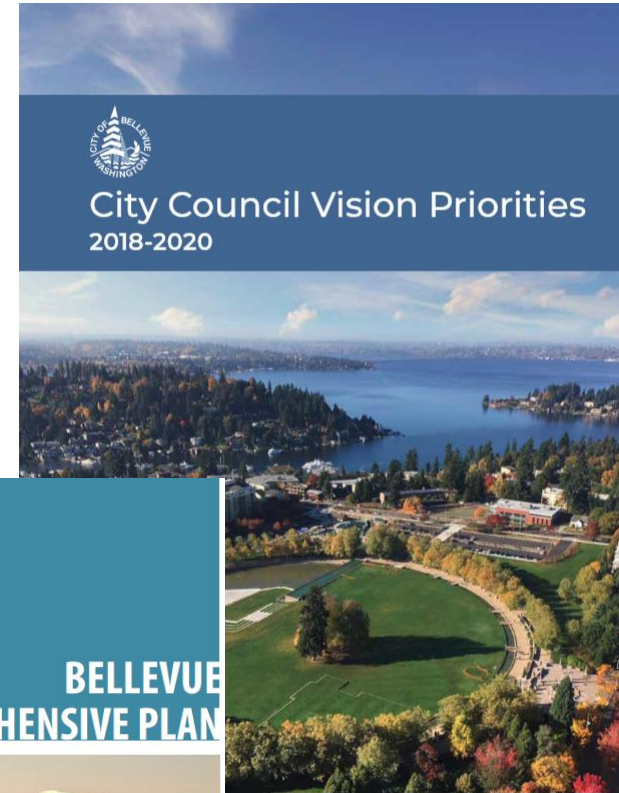


Background - Tree Canopy Trends



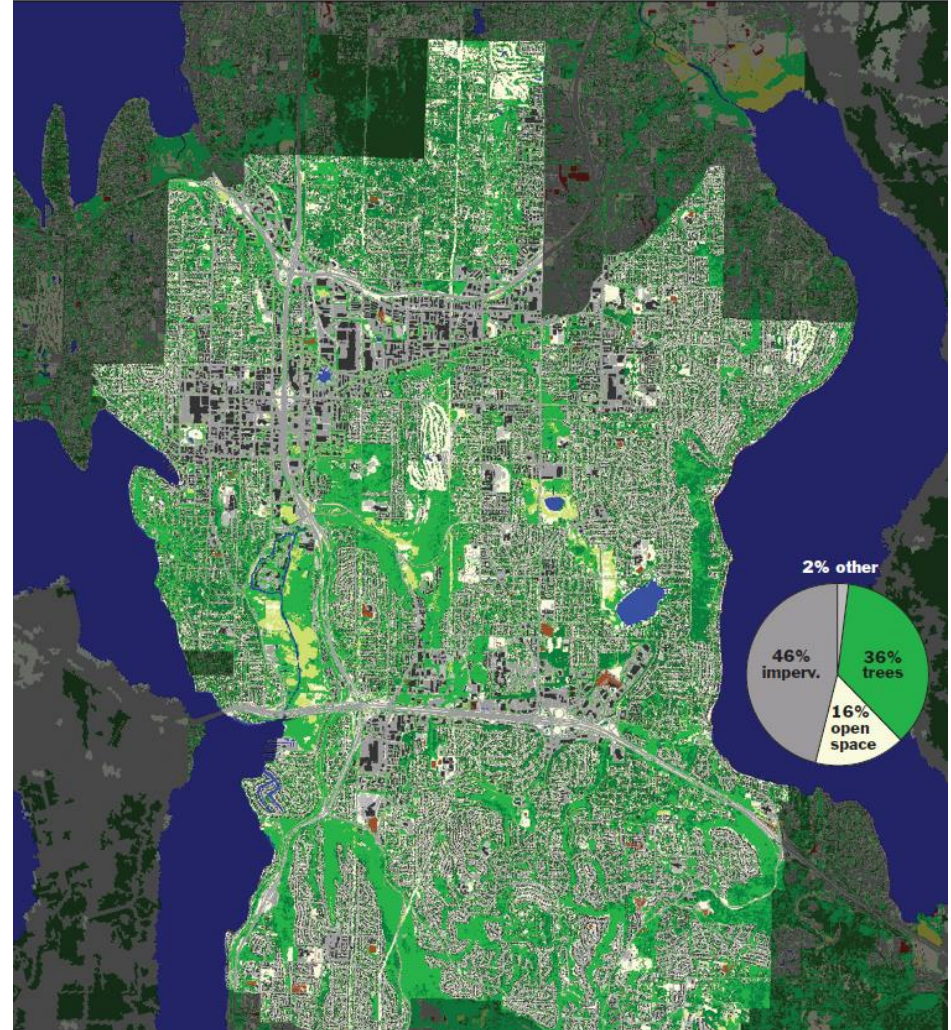
Tree Canopy Policy Drivers

- Council priority: Review and analyze additional steps that the City may take to achieve environmental goals (e.g., tree canopy)
- Work toward a citywide tree canopy target of at least 40% canopy coverage that reflects our “City in a Park” character
- Maintain an action plan for meeting the target
- Manage Bellevue’s forest resources, to ensure their long-term vitality

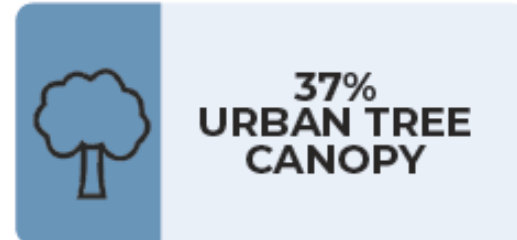
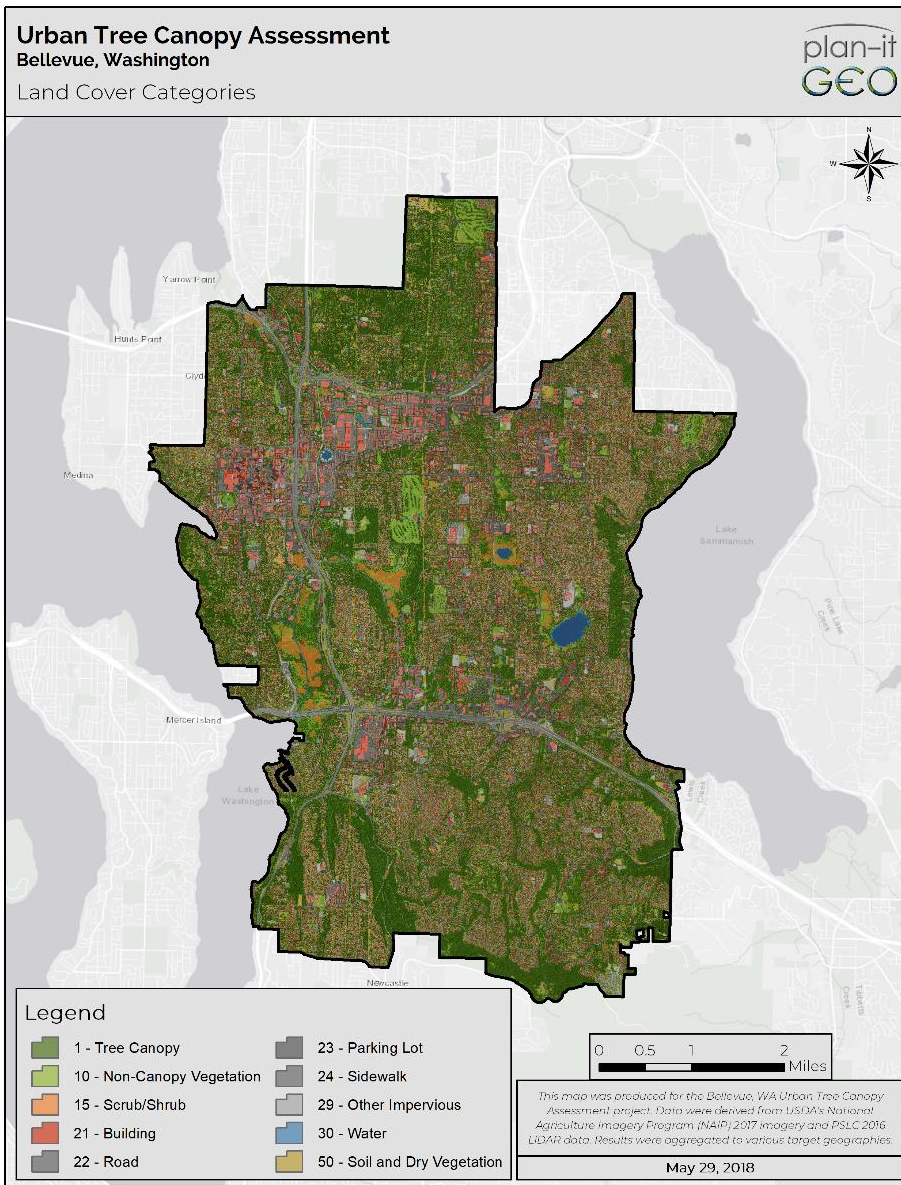


2017 Tree Canopy Assessment Scope

- Part of regional assessment with King Conservation District
- Consistent methods and data throughout region - LIDAR data and aerial imagery
- Regional urban forestry working group



Citywide Tree Canopy

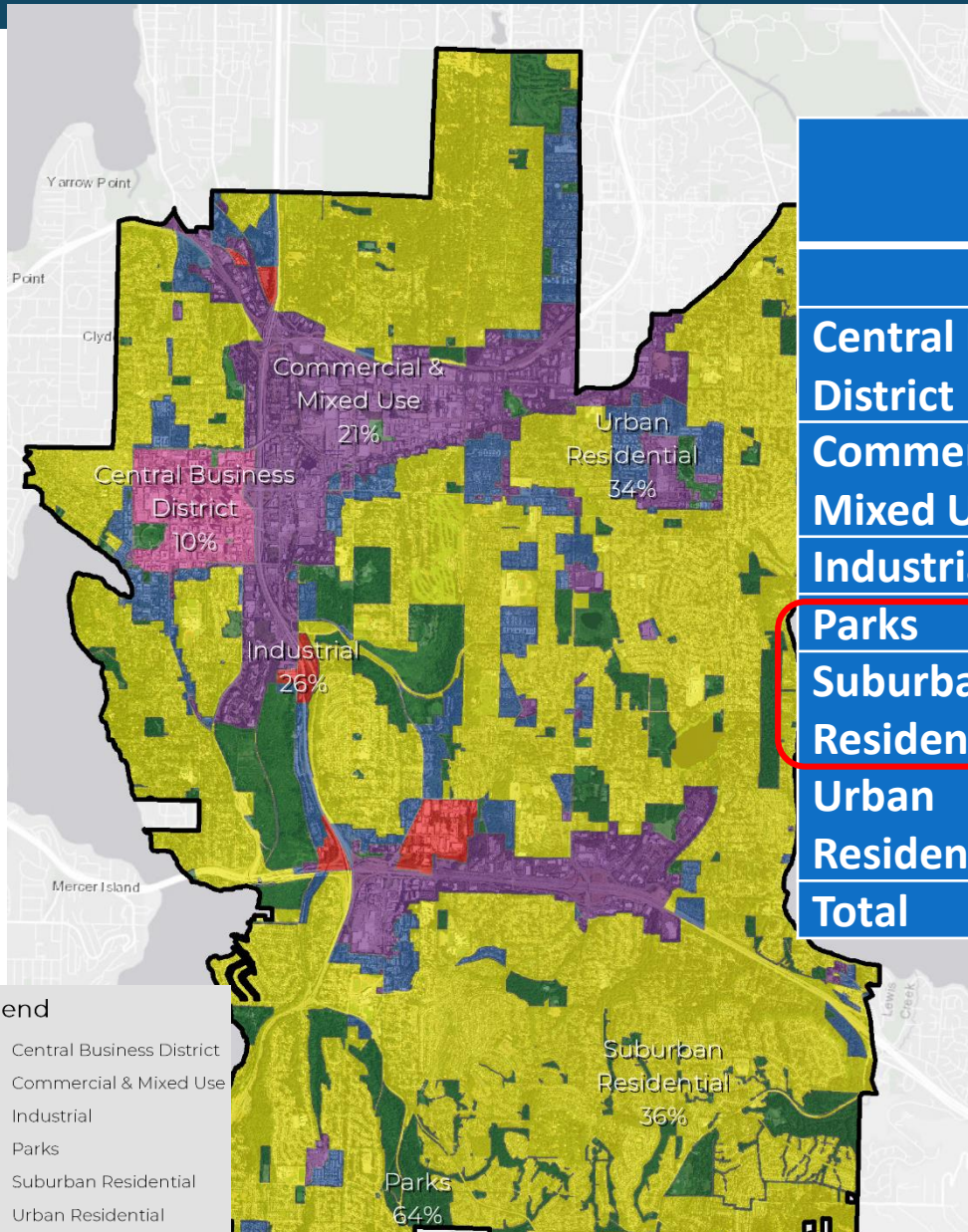


Key Findings

- Bellevue Parks have a significant canopy cover of 64% overall.
- Majority of the city's tree canopy is in suburban residential areas (65%)
- Need 670 Acres of Canopy to reach 40% goal



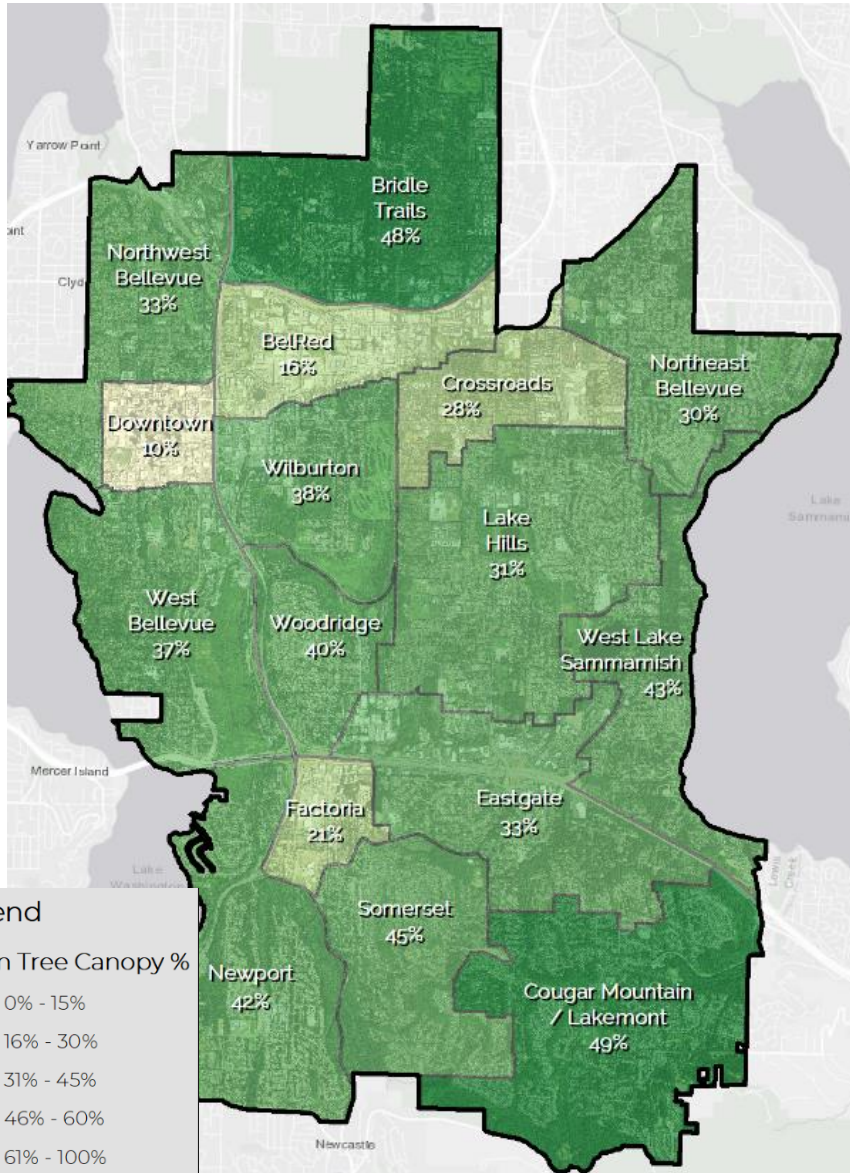
Tree Canopy by Land Use



	Total Area	Urban Tree Canopy		
	Acres	Acres	%	Distribution
Central Business District	387	39	10%	0%
Commercial & Mixed Use	2,747	566	21%	7%
Industrial	220	58	26%	1%
Parks	2,544	1,626	64%	20%
Suburban Residential	14,131	5,151	36%	65%
Urban Residential	1,550	520	34%	7%
Total	21,580	7,961	37%	100%



Tree Canopy by Neighborhood

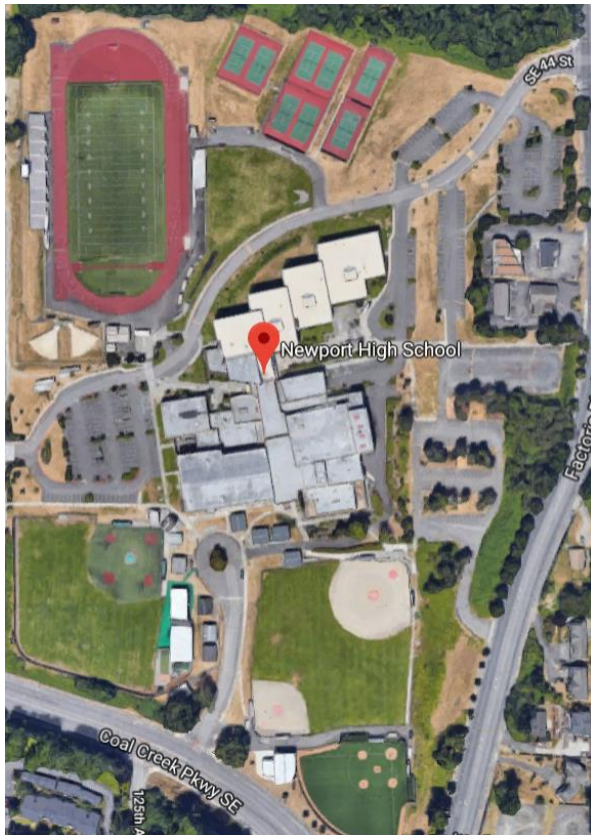


	Urban Tree Canopy	
	Acres	%
Bel-Red	148	15%
Bridle Trails	977	48%
Cougar Mountain/ Lakemont	1,155	49%
Crossroads	225	28%
Downtown	45	10%
Eastgate	586	33%
Factoria	83	21%
Lake Hills	689	31%
Newport	720	42%
Northeast Bellevue	427	30%
Northwest Bellevue	438	33%
Somerset	584	45%
West Bellevue	621	37%
West Lake Sammamish	472	40%
Wilburton	416	38%
Woodridge	289	40%
Total	7,875	37%

Tree Canopy for Schools and Right-Of-Way

Schools:

- Average Tree Canopy: 24%
- Possible Planting Area: 32%

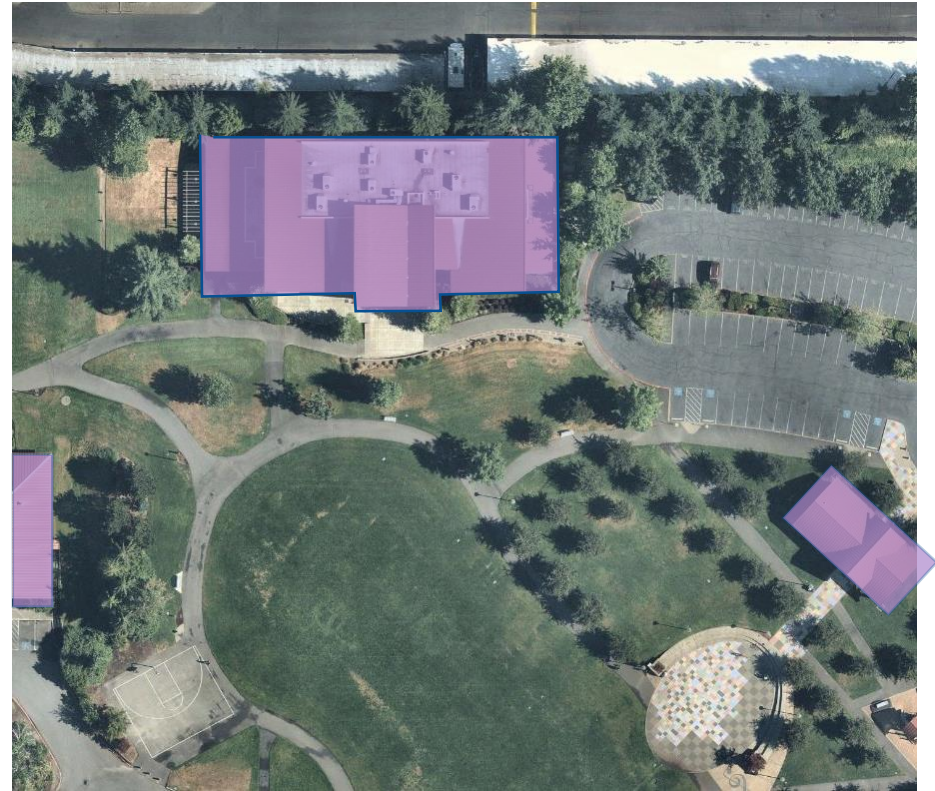


Right-Of-Way:

- Average Tree Canopy: 24%
- Possible Planting Area: 12-25%



Possible Planting Area Analysis



Tree Canopy Change

Land Use	Total Area	UTC 2007		UTC 2017		UTC Change	
	Acres	Acres	%	Acres	%	Acres	%
Downtown	387	32	8%	39	10%	7	2%
Commercial & Mixed Use	2,747	540	20%	566	21%	25	1%
Industrial	220	75	34%	58	27%	(17)	-8%
Parks	2,544	1,823	72%	1,626	65%	(197)	-8%
Suburban Residential	14,131	5,163	37%	5,151	37%	(12)	0%
Urban Residential	1,550	482	31%	520	34%	38	2%
Total	21,580	8,116	38%	7,961	37%	-155	-1%



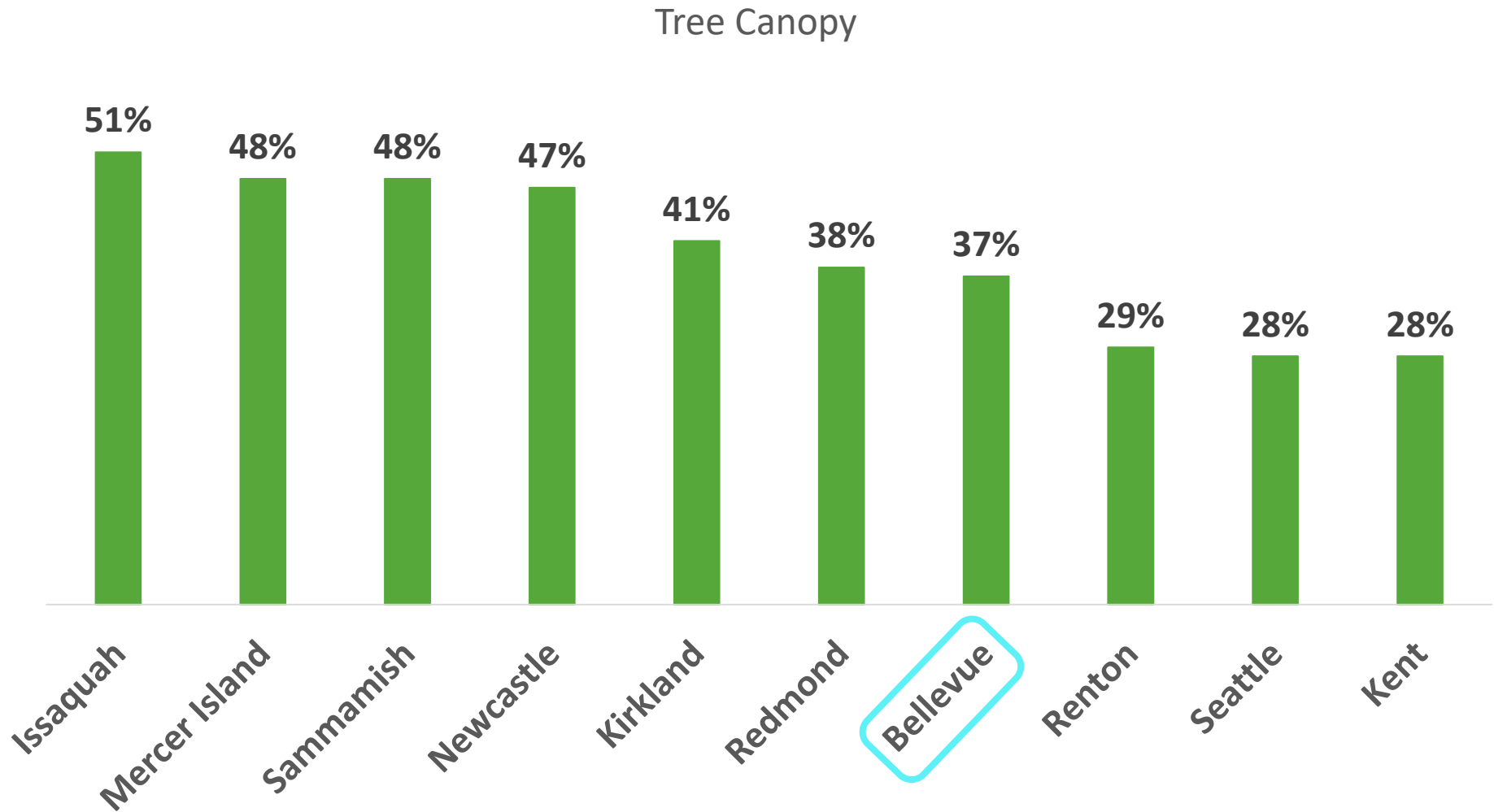
Tree Canopy Change by Neighborhood (excluding Parks)

	2007 %	2017 %	Change %
BelRed	15.1	15.2	0.1
Bridle Trails	47.4	48.9	1.6
Cougar Mountain / Lakemont	37.2	40.1	2.9
Crossroads	25.8	27.6	1.8
Downtown	8.2	10.0	1.7
Eastgate	36.7	32.9	-3.8
Factoria	20.8	21.4	0.6
Lake Hills	29.3	28.9	-0.4
Newport	30.8	34.6	3.9
Northeast Bellevue	26.3	27.7	1.4
Northwest Bellevue	32.3	32.8	0.5
Somerset	27.8	34.9	7.2
West Bellevue	40.1	35.4	-4.7
West Lake Sammamish	40.6	36.0	-4.6
Wilburton	31.4	30.0	-1.4
Woodridge	39.2	35.0	-4.2
Total	32.9	33.1	0.2



Note: this analysis excludes the tree canopy in parks in each neighborhood.

Comparison with Other Cities



Recommendations and Next Steps

- Develop plan for achieving 40% Tree Canopy Goal
 - Review best practice policies and programs
 - Goals by land use type and/or neighborhood
 - Strategies for increasing tree canopy
 - Timeline
- Build partnerships for achieving 40% goal



Discussion

