



Urban Forest Management Plan - Phase 2 Presentation

City of Tacoma | Environmental Services Department

Infrastructure, Planning, and Sustainability

November 20, 2019

Item No. 2



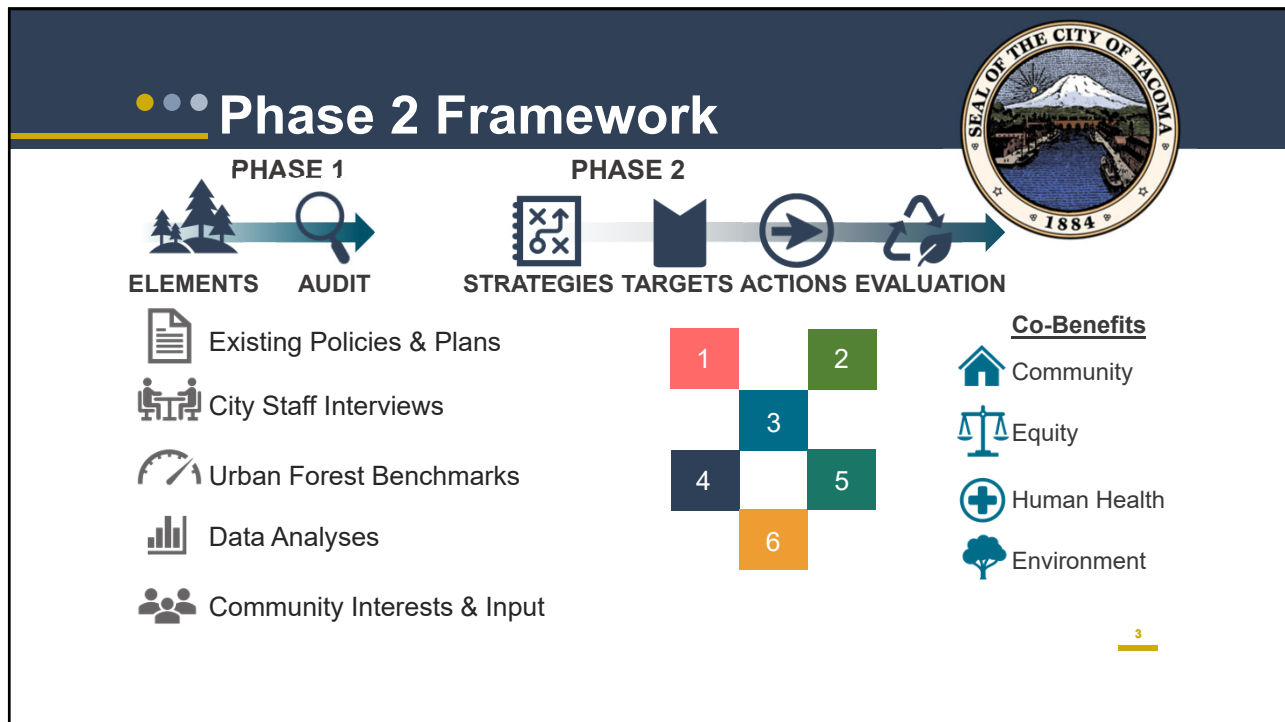
AGENDA & OVERVIEW




Phase 2 – Urban Forest “Action Plan”





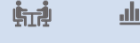

1. Phase 2 Framework
2. Phase 2 Action Summary
3. Supporting Studies
4. Questions/Comments

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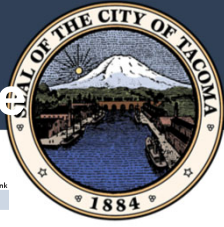
Phase 2 Framework



			Category Rating
1)	Management Policy		85%
2)	Capacity and Training		81%
3)	Funding and Authority		67%
4)	Inventories and Plans		81%, 79%
5)	Risk and Disaster Planning		50%, 57%
6)	Community Engagement		86%
OVERALL RATING:			77%

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Phase 2 Layout and Timetable




URBAN FOREST ACTION PLAN TIMETABLE

Theme	#	Action	Target Year	Lead	Rank (Effort, Priority)	Rank Total (E + P)	Co-Benefits	Compact Rank
CE	6E.3	Every quarter, share informative urban forestry and tree-related content to a social media, City website, and other communication platforms.	Quarterly	ES, CMD	1,2	3 of 6	6 of 12	9 of 18
CE	6C.2	Conduct biannual community surveys (starting in 2021) to gauge public viewpoints and receive feedback on Plan implementation/program success. Survey responses should inform future urban forest decision making.	Biannual	ES	1,2	3 of 6	6 of 12	9 of 18
MP	10.D.1	Monitor tree loss and gain through annual tree removal and planting permit reporting.	Annual	ES, PDS	1,3	4 of 6	4 of 12	8 of 18
MP	1E.2	Plant 2,000 trees through City projects annually and support 8,500 annual tree plantings through partnerships and public incentive programs. Improve tracking and reporting of partnership plantings to better represent on-the-ground efforts to achieve planting targets.	Annual	ENPs	3,3	6 of 6	12 of 12	18 of 18
CT	Z.C.1	Conduct annual urban forestry events, or partner-events—especially involving youth—relating to tree planting and pruning.	Annual	ES	2,1	3 of 6	10 of 12	13 of 18
FA	3A.1	Continue to track and annually report urban forestry activities of all partners to apply to budget change requests and continue support of Arbor Day Tree City USA Designation.	Annual	PWD	1,3	4 of 6	5 of 12	9 of 18
IP	4A.1	Conduct a comprehensive inventory of public trees planted and maintained by the City, keeping the data current, and continue the cycle aligned with tree maintenance cycles (600 trees per year) and City tree planting projects (2,000 trees per year).	Annual	ES, PWD	3,2			
IP	4A.2	Annually prioritize maintenance and risk-tree removals in established corridors/areas and create work orders using this program.	Annual	PWD	1,3			
IP	4B.3	Develop a strategic urban forest management plan for one priority neighborhood or area per year similar to the 2020 Tacoma Mill Strategic Urban Forest Management Plan (in progress) and the 2010 Neighborhood Business Districts Urban Forest Management Plan. Address best practices, species diversity, and tree rest and disease resiliency.	Annual	ES	2,2			
IP	4C.4	Continue to align tree planting and canopy goals with the watershed assessment, green stormwater infrastructure plans, and subarea planning efforts by providing technical assistance for the goals of stormwater management and improved water quality.	Annual	ES	1,2			
IP	4E.5	Utilize partners to provide at least one annual workshop or event and provide resources to private landholders to support sustainable urban forest management and planting practices with an emphasis in priority areas as identified in Appendix A.	Annual	ENPs	1,2			


ONE TACOMA, ONE CANOPY

Our urban forest needs you

- Trees need people just as much as people need trees. Consider volunteering a local environmental organization.
- Engage your local parks and enjoy the restorative effect of our urban forest. Visit MetroParksTacoma.org to find a park near you.
- Sign up for EnviroNews with Citizens for a Healthy Bay to learn about workshops, training, and news at HealthyBay.org.
- Participate in biannual urban forest surveys. Your feedback is influential to current and future programs.
- See how this Plan's actions align with One Tacoma at cityoftacoma.org/planning and Tacoma 2025 at cityoftacoma.org/tacoma_2025.

#	ACTIONS	LEAD/YEAR	CO-BENEFITS
6A.1	Support and sustain partnerships with local and regional participatory organizations. Encourage and support horizontal volunteer collaboration between organizations. Increase the number of community volunteers annually from 275 recorded in 2018.	ES and listed partners (next page)	<div style="display: flex; justify-content: space-between;"> <div> <p>TARGET YEAR: ANNUAL</p> </div> <div style="text-align: right;"> <p>▲ High ▲ Med ▲ Low</p>  </div> </div>

Phase 2 Action Summary



1 MANAGEMENT POLICY GOAL: Tacoma's urban forest policies are the foundation for preserving the environmental benefits, management, and the character of Tacoma's urban forest.

Some Action Callouts	Target Year
Use Code Recommendations to establish an Urban Forestry Title , align urban forestry policy with One Tacoma, update antiquated language and inconsistencies, and require the use of industry BMPs .	2021
Update TMC with a Heritage Tree Ordinance .	2022
Plant 2,000 trees through City projects annually and support 8,500 annual tree plantings through partnerships and public incentive programs. Improve tracking and reporting of partnership plantings.	Annual
Align tree protection and design standards in TMC 13.06.502.E with a no-net-loss policy by 2023 to achieve tree canopy goals.	2023

Phase 2 Action Summary



2 CAPACITY AND TRAINING GOAL: The City has the capacity and expertise to provide optimal levels of service for equitable urban forest management.

Some Action Callouts	Target Year
Conduct annual urban forestry events , or partner-events—especially involving youth—relating to tree planting and pruning to increase capacity for the care of public trees led by citizen tree stewards .	Annual
Strengthen arborist crew needs assessment. Develop a business case in 2020 to propose 2021-2022 biennium budget enhancement request for an arborist crew (see Appendix C).	2020
Prepare a business case detailing staff needs for a City Arborist to support implementation of the Plan, and more specifically, address the technical needs of PWD, ES, and PDS .	2021
Using the information gathered from the Work Group interviews (Phase 1 Plan), utilize the continuous improvement framework to fix operational workflows in urban forest management.	2022

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Phase 2 Action Summary



3 FUNDING AND AUTHORITY GOAL: City resources and authority enable equitable urban forest management for the preservation and enhancement of tree benefits.

Some Action Callouts	Target Year
Implement a City street tree maintenance program and start street tree maintenance in identified corridors and neighborhoods (approximately 4,000 total trees).	2021
Prune approximately 600 established public trees per year along target road corridors to preserve existing mature canopy and train young trees to reduce potential risk.	2022, Annual
Establish and sustain efforts with neighborhood organizations, NBDs, NCDs, and civic groups in all Tacoma neighborhoods by 2022 to implement young tree maintenance approaches for the care of 10,500 trees planted annually .	2022

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Phase 2 Action Summary



4 INVENTORY AND PLANNING GOAL: A comprehensive understanding of the urban forest ensures data-driven decisions, sustainable and equitable planning, and amplifies the benefits received from trees.

Some Action Callouts	Target Year
Conduct a comprehensive inventory of public trees planted and maintained by the City, keeping the data current, and continue the cycle aligned with tree maintenance cycles (600 trees per year) and City tree planting projects (2,000 trees per year).	Annual
Develop a strategic urban forest management plan for one priority neighborhood or area per year . Address best practices, species diversity, and tree pest and disease resiliency.	Annual
Use the tree inventory data in private development as part of permit inspections for compliance.	2025
Conduct a high-resolution tree canopy assessment Citywide and by planning boundaries to track canopy gains and losses and to inform future tree plantings and preservation.	2030

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Phase 2 Action Summary



5 RISK AND DISASTER MANAGEMENT GOAL: Proactively manage tree-related risk throughout the urban forest and equip urban forest leaders with resources to address risks and disasters.

Some Action Callouts	Target Year
In 2021, assess potential tree-related risks for all 4,000 public street trees the City is starting to maintain. Then conduct annual routine inventories in line with maintenance schedules with intent to document, monitor, prepare, and mitigate current and future risks to the urban forest.	2021, Annual
Work with environmental non-profit organizations and other partners to provide resources and annual training regarding tree pest and disease management as well as invasive species management.	Annual
Implement the Tree Risk Management Plan that relates to planning for structural tree risks, exotic tree pest and disease threats, and disasters.	2021
Mitigate high-risk trees in the City's newly acquired maintenance areas (public trees) by incrementally (25% by 2021, 50% by 2025, 75% by 2028) addressing high-risk trees annually with the appropriate maintenance activity.	2021 - 2030

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Phase 2 Action Summary



6 COMMUNITY ENGAGEMENT GOAL: Sustainable urban forest management and equity is achieved through a partnership with the City and its residents resulting in improved well-being, human health outcomes, and stronger local economies.

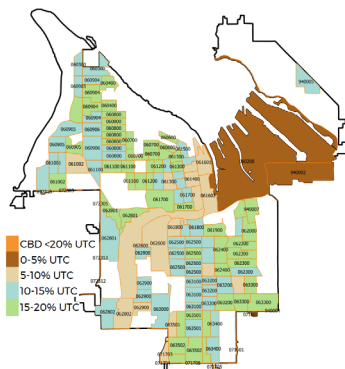
Some Action Callouts	Target Year
Support and sustain partnerships with local and regional organizations. Increase number of community volunteers annually from 2018 records.	Annual
Encourage youth participation in Arbor Day and Green Tacoma Day events. Encourage and provide technical support to enable tree-related curriculum and plantings at schools.	2021, 2030
Establish a young adult job training, urban forest stewardship program to facilitate the planting and/or care of 10,500 trees annually.	2021
Identify appropriate parks, rights-of-way, and other public spaces in Tacoma that feasibly can support healthy and safe fruit trees to support gleaning initiatives.	2023
Establish non-conventional partnerships that serve single and/or multiple Tacoma neighborhoods. All 8 neighborhoods should be supported.	2025

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Supporting Studies

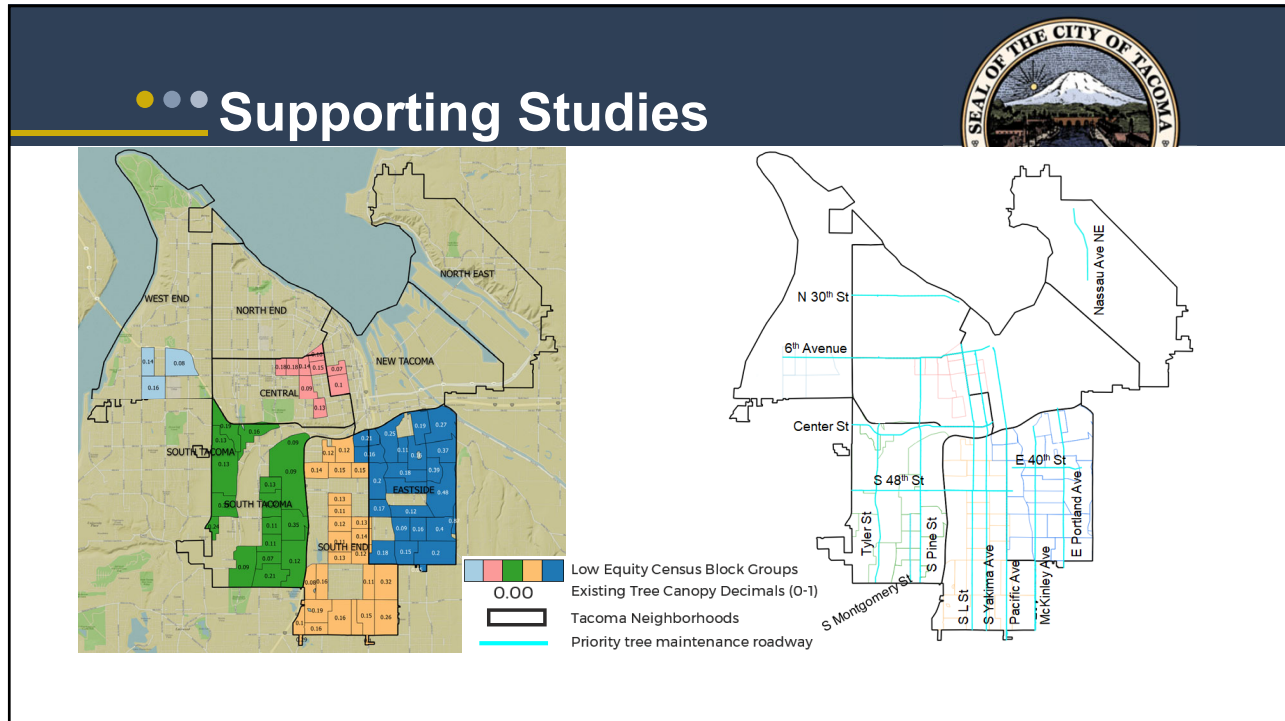


Census Block Groups with less than the Citywide tree cover of 20% (139 CBGs)



Land Use	Actual Tree Cover %	Goal Cover	# of Trees by 2030
Crossroads Mixed-Use Center	12%	15%	635
Downtown Reg'l Growth Center	7%	10%	968
General Commercial	7%	10%	809
Heavy Industrial	4%	6%	2,640
Light Industrial	6%	10%	710
Major Institutional Campus	10%	15%	1,033
Multi-Family (High Density)	14%	20%	770
Multi-Family (Low Density)	15%	20%	2,438
Neighborhood Commercial	10%	15%	985
Neighborhood Mixed-Use Center	9%	12%	382
Parks and Open Space	56%	70%	22,930
Shoreline	21%	28%	2,341
Single Family Residential	17%	30%	62,164
Tacoma Mall Reg'l Growth Center	10%	15%	797
TOTAL TREES			99,602
TOTAL TREES NEEDED			104,264
DIFFERENCE			4,662

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Supporting Studies

Priority Neighborhood	Roadway	Extent	Estimated Trees
South Tacoma	S Tyler St	South 74 th St to SR 16 Hwy W	400 trees
South Tacoma	Center St	S Orchard to South Pine St	100 trees
South Tacoma	S Pine St	S 80 th St to S Tacoma Way	400 trees
South Tacoma	S Montgomery St	S 77 th St to S 56 th St	120 trees
South Tacoma	S 48 th St	S Tacoma Way to I5 Hwy N	100 trees
South End	Yakima Ave	S 96 th St to S 48 th St	400 trees
South End	S L St	S 96 th St to S 35 th St	300 trees
South End	Pacific Ave	S 99 th St to S 56 th St	300 trees
East Side	McKinley Ave	E 72 nd St to Upper Park St	500 trees
East Side	E 40 th St	Pacific Ave to Portland Ave E	175 trees
East Side	E Portland Ave	74 th St C E to I5 Hwy N	500 trees
West End	6 th Ave	Bridgeport Way W to S Stadium Way	300 trees
North End	N 30 th St	N Pearl St to N Schuster Pkwy	350 trees
North East	Nassau Ave NE	Browns Point Blvd NE to Northshore Pkwy	150 trees
Total Tree Estimate			~4,000 trees

Questions/Comments



Next Steps:

- Implementation of the Plan
- Phase 3
 - Tree Risk Reduction Plan
 - Tree and Sidewalk Operations Plan
 - Sustained Funding Source Report
- Annual reporting on progress

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