Goal #1: Ethic of Stewardship

Create an ethic of stewardship for the urban forest among City staff, community organizations, businesses, and residents

#	Criteria	Performance Indicators; Status shaded			Key Objective	Primary Strategy	UFSP Action #			Data source/Indicator	Frequency
		Low	Moderate	Optimal			5yr	10yr	Long term		
1	Maintenance of publicly owned and managed trees	No maintenance of publicly owned trees	Publicly owned trees are maintained on a request/reactive basis; no systematic pruning; cycle (cycle greater than 7 years)	All publicly owned trees are maintained on a 5-7 year cycle; all mature trees are structurally pruned	Publicly owned trees are maintained to maximize current and future benefits; tree health and condition ensure maximum longevity	Preserve, restore, enhance	P1, P5, P13	P30	P34	Departmental work order and asset management reports	Yr
2	Tree protection policy and enforcement	Policies in place to protect street trees	Policies in place to protect trees on public property	Integrated citywide policies that ensure the protection of trees on public and private land are consistently enforced and supported by deterrents	The benefits derived from mature trees are ensured by the enforcement of citywide policies	Regulate	R2, R7	R8	R12	SDOT Street Tree Ordinance and Street Tree Manual; DPD Ordinance for Private Trees; 2-for-1 Tree Replacement Policy. -Number of trees planted -Number of citations -2 for 1 Tree Replacement Policy reporting	Yr
3	Citywide urban forest stewardship plan with management component and funding	No Plan; Funding for reactive management; No assigned staff or specialized training	Comprehensive plan with dedicated funding for publicly owned urban forest resources are accepted and implemented. Private urban forest resources are primarily managed through voluntary actions.	Multi-tiered plan with dedicated funding sources for public and private intensively- and extensively-managed forest resources accepted and implemented with adaptive management mechanisms. Plan updates every five years.	Develop and implement a comprehensive urban forest management plan for private and public property through employing and training adequate staff to implement plan citywide.	Coordinate	C1, C2, C5, I10	C7	C8, C9	Urban Forest Stewardship Plan Progress Report	Yr
4	Ethic of stewardship	Lack of community engagement in tree care.	Some community engagement in tree care	Well-developed ethic of stewardship. Residents are actively engaged in the caring of trees.	Seattle has a culture of caring for trees.	Inspire, inform, and engage	I1, I2, I4, I5, I6	I21, I22	I27, I28	# of volunteer hours # of public events # of Tree Ambassadors # of Forest Stewards	Yr
5	Resident-municipality, business-municipality interaction. General awareness of trees as	Conflicting goals among constituencies with trees often seen as problems and a drain on budgets	Trees viewed as important. Informal tracking and general cooperation; Limited number of neighborhood groups taking action	Urban forest seen as vital to community. Formal interaction with Urban Forestry Commission and city department staff coordination; DON has tree steward in	At the neighborhood level, community understand urban forest management. All constituencies in the community interact for the benefit of the urban forest.	Inspire, inform, and engage	I8, I12, P26, R3	I21 I22 I26	I28	Urban Forest Stewardship Plan Progress Report; UFC annual report; # of Tree Ambassadors and events; # of GSP Forest Stewards and events; # of Trees for Neighborhoods participants and trees planted with volunteers	Yr

	community resource			each neighborhood							
6	Community-planted trees	No program or incentives for community planting	Limited program for community planted trees	Extensive tree planting program through events, incentives and rebates reaching all neighborhoods	Citywide tree planting	Inspire, inform, and engage	I3, I14, I20,	I23, R4	I27, I28,	Trees for neighborhoods # and species of trees planted	

Goal #2: Functions and Benefits

Strive to replace and enhance specific urban forest functions and benefits when trees are lost, and achieve a net increase in the urban forest functions and related environmental, economic, and social benefits.

#	Criteria	Performance Indicators; Status shaded			Key Objective	Primary Strategy	UFSP Action #			Data source/Indicator	Frequency
		Low	Moderate	Optimal			5yr	10yr	Long term		
1	Tree habitat/location suitability	Tree standards and specifications are outdated	Tree standards and specifications meet current BMPs; trees considered for habitat value	Tree standards and specifications exceed current BMPs; trees selected to increase urban habitat value; topping or removals prohibited for views	All trees are planted in habitats/location that will maximize current and future benefits for Seattle respective of climate adaptation	Preserve, restore, enhance	P10, R1, U10, P3, P7	C7, P30	U20, R12	Departmental reporting on tree standards and policy updates. SDOT/DPD/SPU tree list.	3-5 years
2	Value of urban forest	No baseline valuation	Base valuation in place. No increase in value; no reporting	Increase in value; common reporting metrics	Clear awareness of the economic benefit of the urban forest. Increase in value of this resource.	Preserve, restore, enhance	P22, P23, U16			SDOT and Parks inventory; Public health indicators to be used as correlation points not as causation.	Bi-annual
3	Native Vegetation	No program of integration	The use of native species is encouraged on a project-appropriate basis in both intensively and extensively managed areas; invasive species are recognized and their use is discouraged	The use of native species is required on a project-appropriate basis in both intensively and extensively managed areas; invasive species are recognized and prohibited	Preservation and enhancement of local natural biodiversity	Understand	U9, U10, U12, C6, P16	P29	U20	SDOT/DPD/SPU tree list. Yr	Annual
4	Trees removed, retained on private property	Trees removed on private property; no citywide tracking mechanism	Tree preservation on private property limited requirements	Enforced protection/ replacement on private property; net increase of number and canopy	Replace and increase urban tree canopy on private property	Regulate	P11, R2, R3, R7	R8		TBD	TBD

Goal #3: Expand Canopy

Expand canopy cover to 30% by 2037

#	Criteria	Performance Indicators; Status shaded			Key Objective	Primary Strategy	UFSP Action #			Data source/Indicator	Frequency
		Low	Moderate	Optimal			5yr	10yr	Long term		
1	30% Citywide canopy cover	Citywide canopy at or slightly above baseline of 23%	Citywide Canopy cover exceeds 27%	Citywide Canopy cover exceeds 30%	Achieve climate-appropriate degree of tree cover, community-wide	Understand	U1, R2	U19	U20	Canopy cover assessment that has replicable results and allow for relevant comparison between studies (Technology and methodology).	5 yr (2015)
2	Tree canopy cover % by management units and by neighborhood	No change or loss of canopy for sf residential, multifamily and right of way management units	Increase in canopy for 5 of 9 management units including at least sf residential, multifamily and industrial	Increase in canopy for 7 of 9 management units including at least sf residential, multifamily and industrial. Increase across all neighborhoods	Achieve canopy cover goals in each management unit	Understand	U4, U5			Canopy cover assessment that has replicable results and allow for relevant comparison between studies (Technology and methodology).	5 yr (2015)
3	Public Tree inventory	No inventory for public trees; visual citywide assessment using web based mapping	Sampling of public trees using aerial photographs or satellite imagery	Sampling of public trees using aerial photographs or satellite imagery included in city-wide GIS	High resolution assessments of the existing and potential canopy cover for the entire community	Understand	U2, U3	U17		SDOT and Parks; Current field-sampling data, including species, height, DBH & age	5 yr
4	Canopy cover assessment	No canopy cover assessment	Canopy cover assessment over five years old	Data inventory (consistent aerial, satellite or LIDAR) within 5 years and incorporated into GIS	Assessments of the existing and potential canopy cover for the entire community	Understand	U2			Canopy cover assessment that has replicable results and allow for relevant comparison between studies (Technology and methodology).	5 yr

Goal #4: Health and Longevity

Increase health and longevity of the urban forest by removing invasive species and improving species and age diversity

#	Criteria	Performance Indicators; Status shaded			Key Objective	Primary Strategy	UFSP Action #			Data source/Indicator	Frequency
		Low	Moderate	Optimal			5yr	10yr	Long term		
1	Age distribution of trees in the community	Any Relative DBH (RDBH) class (0%-25% RBDH, 26%-50% RDBH, etc.) represents more than 75% of the tree population	No RDBH class represents more than 50% of the tree population	25% of the tree population is in each four RDBH classes	Provide for uneven aged distribution citywide as well as at the neighborhood level	Preserve, restore, enhance	U13	U14		iTree data; Biometrics: age, height/spread, DBH	5 yr
2	Species suitability	Less than 50% of trees are of species considered suitable for the area; Fewer than 10% of tree cover is evergreen	At least 75% of trees are of species considered suitable for the area; 20% or more of tree cover is evergreen	90% of trees are of species considered suitable for the area; 30% of tree cover is evergreen	Establish a tree population suitable for the urban environment, adapted to the Puget Sound Basin and resilient to climate change	Understand	U10	U14, U15, I3		iTree inventory SDOT/DPD/SPU tree list Citywide Departmental reporting	10 yr 5yr Yr
3	Species distribution	Fewer than seven species make up more than 60% of the entire tree population city wide	No species represents more than 10% of the entire tree population	No species represents more than 7% of the entire tree population	Establish a genetically diverse tree population citywide as well as at the neighborhood level	Preserve, restore, enhance	I11, U3, U10	U14,		Citywide Departmental reporting SDOT/DPD/SPU tree list	5 Yr