Question 42: SMED Project List Reporting Table
(City of Seattle 2024 MS4 Permit Annual Report)

								BMP Facility Point Calculation (Project Types #1-4)							Other Project Types Point Calculation (Project Types #5-12)									Project Type #13 Points			Project-Wide Point Factors							
Project Stage	Reporting Year	Project Name	Project Type Number	Project Type Includes Types 1-5?	Cost Estimate	Lat/Long (X,Y)	Receiving Water Name	Basin Area (Project Types #1-4)	LID Equivalent Area (ac)	LID Point Factor	Runoff Treatment Equivalent Area (ac)	Runoff Treatment Point Factor	Flow Control Equivalent Area (ac)	Flow Control Point Factor	Basin Area (Project Types #5 - 12)	#5 Maintenance Activity Point Factor	#6 Property Acquisition	#7 Restoration of Riparian Buffer	#8 Restoration of Forest Cover	#9 Floodplain Reconnection	#10 Permanent Removal of impervious surface	#11 Sweeping Point Factor	#12 Line Cleaning Factor	Watershed Collaboration Points/Binding Agreement	Watershed Collaboration Points/Funding Commitment	SMED Project Points Subtotal	Implements Approved Plan	Benefits Overburdened Community (es)	HPGTA	Watershed Collaboration	Total SMED Project Points	Total Points for Project Types #1-5	Comments
Design Report Stage	2024	Design - Holden Natural Drainage System (NDS)	2	Yes	$2,900,000	47.533665, -122.355140	Longfellow Creek	1.6			1.6	3														4.8		1.5	1.7		15.36	15.36	This project will construct bioretention in the ROW to manage a total of 1.6 acres of EIA (determined by GIS, field survey, and scaling factors on TIA) and provide water quality treatment at one site. This project will also provide traffic calming in priority areas for SDOT and the community. A portion of the water treated is from a HPGTA (minor arterial). This is considered a known water quality problem area because of documented pre-spawning mortality in Coho salmon and some impaired (category 5) Water Quality Assessment listings. Longfellow Creek also discharges to the Duwamish River, which contains multiple Superfund cleanup sites. This area falls in the highest 20% of equity priority tracts across the city according to the City of Seattle's Racial and Social Equity Composite Index.
	2024	Design - Broadview/12th Ave NW NDS	2	Yes	$4,000,000	47.722363, -122.359658	Pipers Creek	4			4	2														8			1.7		13.6	13.6	This project will construct bioretention in the ROW along 3 blocks to manage a total of 4 acres of EIA (determined by GIS, field survey, and scaling factors on Total Impervious Area) and provide water quality treatment. A third - 1 block - of this project is treating runoff from a collector arterial (HPGTA).
	2024	Design - North Thornton NDS	2	Yes	$19,800,000	Various	Thornton Creek	13			13	3														39		1.5			58.5	58.5	This project will construct bioretention in the ROW at 2 project sites to manage 8.5 acres of EIA (determined by GIS, field survey, and scaling factors on TIA) and provide water quality treatment. This project reached 60% design in 2024 and is anticipated to reach the Notice to Proceed (to begin construction) in 2026. This project will be located in an overburdened community (the area falls in the highest 20% of equity priority tracts across the city according to the City of Seattle's Racial and Social Equity Composite Index). Thornton Creek is Category 5 [303(d)] listed for temperature, dissolved oxygen, and fecal coliform bacteria.
	2024	Design - Urban Villages Program: Chief Sealth Trail GSI	2	Yes	$5,700,000	47.531506, -122.283422	Lake Washington	26.9			7.8	2														15.6		1.5	1.7		49.92	49.92	Capital project to build regional bioretention facility managing runoff from an uphill residential catchment. Water quality treatment, with benefits to Lake Washington. EIA managed estimate is based on modeling, with a medium-high level of confidence (exact number may change at final design, but not significantly). Some of the drainage basin that will be treated includes arterials (HPGTAs). The project is located in an area that falls in the highest 20% of equity priority tracts across the city according to the City of Seattle's Racial and Social Equity Composite Index. It reached 60% design in 2024.
	2024	Design - Kubota Gardens Bioretention	2	Yes	$250,000	47.512903, -122.264787	Mapes Creek	0.23			0.23	2														0.46		1.5			0.69	0.69	This project will construct bioretention along 1 block in collaboration with SDOT constructing a new sidewalk and will provide water quality treatment for 0.23 acres EIA (determined by GIS, field survey, and scaling factors on TIA). This project is located in an overburdened community.
Design Report Subtotal																															138.07	138.07	Sub-total as of 3/31/2025.
Constructed or Completed Maintenance Stage	2024	Maintenance Project - Street Sweeping for Water Quality	11	No	$2,300,000	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek.								17131							0.1				1713.1		1.5	1.7		5481.92	0	High efficiency sweeping of arterial roadways in MS4 using full-size and mini-regenerative air street sweepers. In 2024, swept 18,370 broom-miles to pick up 2,800 wet tons. Swept 47 individual curbed, scheduled routes for a total of **17,131 scheduled curb-miles** in the MS4 at an average frequency of 41 times/year (range of 1 to 57 times/year). Sweeping program focuses on arterials and many of them occur within overburdened communities. Note that 14,646 curbed miles were swept during calendar year 2023, which generates 4,686 SMED points [14,646 x 0.1 x (1.5+1.7], since sweeping mostly occurs in HPGTAs and in some overburdened communities). The table does not currently allow the inclusion of 2023 SMED points (an error), despite the SMED point start date for the 2024 Permit beginning 1/1/2023.
Constructed or Completed Maintenance Subtotal																															5481.9	0	Sub-total as of 3/31/2025.
Total SMED Points																															**5620**	**138.07**	Total as of 3/31/2025. SMED points required for the 2024 Permit may be accrued between 1/1/2023 and 3/31/2028 (see Permit condition S5.C.7.d).
Planned Projects Scheduled to be Implemented	2026	Maintenance Project - Meadowbrook Pond sediment removal	5	Yes	$9,000,000	TBD	Thornton Creek								6235	0.5										3117.5		0	1.7		5299.8	5299.8	This significant maintenance project is expected to be conducted in 2026 and will remove sediment from an existing water quality pond (Meadowbrook) to re-establish the original design volume. The basin area of 6235 acres represents the entire watershed upstream of Meadowbrook Pond. Due to the unique design of the pond and forebay, an underdetermined proportion of the basin is expected to be treated. The final treated acreage will be determined at a later date.
	2026	Design Phase - South Park Water Quality Treatment Facility	2	Yes	$72,000,000	47.535 / -122.325	Duwamish River	230			230	3														690		1.5	1.7		2208	2208	The 60% design threshold is expected to be reached in late 2026. Project will fulfill a commitment in the City's 2015 Integrated Plan.
	2026	Construction - Holden NDS	2	Yes	$2,900,000	47.533665, -122.355140	Longfellow Creek	1.6	1.6	3																4.8		1.5	1.7		15.36	15.36	This project will begin construction in 2025 and will be completed during this current Permit term.
	2025	Construction - Longfellow NDS	2	Yes	$16,000,000	47.531889, -122.363256	Longfellow Creek	6			6	3														18		1.5	1.7		57.6	57.6	This project, located in an overburdened community, is constructing bioretention in the ROW at three project sites to manage a total of 6 acres of effective impervious area (EIA) (determined by GIS, field survey, and scaling factors on TIA) and provide water quality treatment. This project is being built in partnership with Seattle's Department of Transportation (SDOT) to also include pedestrian mobility and safety improvements. A portion of the project will drain arterials (HPGTA). Construction is expected to be completed in 2025.
	2026	Construction - Broadview/12th Ave NW NDS	2	Yes	$4,000,000	47.722363, -122.359658	Pipers Creek	4			4	2														8			1.7		13.6	13.6	This project will construct bioretention in the ROW along 3 blocks to manage a total of 4 acres of EIA (determined by GIS, field survey, and scaling factors on TIA) and provide water quality treatment. 1 block of this project is treating runoff from a collector arterial (HPGTA). This project will begin construction in 2025 and is expected to be completed in 2026.
	2027	Design Phase - Pipers Creek NDS	2	Yes	$15,000,000	Various	Pipers Creek	5			5	2														10					10	10	This project will construct bioretention in the ROW along 5-6 blocks to manage a total of 5 acres of EIA (determined by GIS, field survey, and scaling factors on TIA) and provide water quality treatment. In 2025, this project will go through Options Analysis, and is expected to achieve 60% design during this Permit term.
	2025	Construction - South Thornton NDS	2	Yes	$20,700,000	47.706330, -122.304362	Thornton Creek	13.3			13.3	3														39.9			1.7		67.83	67.83	This project will construct bioretention in the ROW at 4 project sites to manage a total of 13.3 acres of EIA (determined by GIS, field survey, and scaling factors on TIA) and provide water quality treatment. Funding includes $2.9M from King County Flood Control District grant and 12M in State Revolving Fund and Emerging Contaminant Fund loans from Ecology, including $5.3M as a Forgivable Principal loan. This is considered a known water quality problem area because of documented pre-spawning mortality in Coho salmon. Project will treat some HPGTA runoff. Construction is expected to be completed in 2025.
	2027	Construction - North Thornton NDS	2	Yes	$19,800,000	Various	Thornton Creek	13			13.3	3														39.9		1.5			59.85	59.85	This project is expected to begin construction in 2026, with completion in 2027 or 2028.
	2025	Maintenance Project - Street Sweeping for Water Quality	11	No	$2,300,000	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek.								15000							0.1				1500		1.5	1.7		4800	0	Anticipate sweeping approximately 15,000 curbed miles in HPGTA during 2025.
	2026	Maintenance Project - Street Sweeping for Water Quality	11	No	$2,300,000	City-wide	Lake Washington, Lake Union, Ship Canal/Salmon Bay, Puget Sound, Duwamish Waterway, Longfellow Creek, Pipers Creek, Thornton Creek.								15000							0.1				1500		1.5	1.7		4800	0	Anticipate sweeping approximately 15,000 curbed miles in HPGTA during 2026.
	2025	Design Phase - Urban Villages Program: 17th Ave NW Stormwater Improvements	1	Yes	$14,000,000	47.692445, -122.378979	Puget Sound	20.5			10.25	3	10.25	3												61.5			1.7		104.55	104.55	Capital project will reduce street flooding (and sewer backup risks) and provide runoff treatment for water quality benefits. Green and gray infrastructure improvements on a neighborhood greenway street to improve capacity and decrease flow volume – includes bioretention and UICs for deep infiltration and volume reduction. The managed system has a flow split – about half of the flows go to the Ballard CSO, and the other half to a stormwater discharge at the North Beach outfall. As such, the estimated flow control EIA is half of the (upstream) basin area (i.e., half of 20.5 acres). Roughly one third of the contributing area is considered HPGTA. EIA managed estimate is based on modeling, medium-high level of confidence (exact number may change at final design, but not significantly).
	2027	Construction - Urban Villages Program: 17th Ave NW Stormwater Improvements	1	Yes	$14,000,000	47.692445, -122.378979	Puget Sound	20.5			10.25	3	10.25	3												61.5			1.7		104.55	104.55	Construction of this project is expected to occur in 2027.
	2026	Construction - Urban Villages Program: Chief Sealth Trail GSI	2	Yes	$5,700,000	47.531506, -122.283422	Lake Washington	26.9			7.8	2														15.6		1.5	1.7		49.92	49.92	Construction of this project is expected to occur in 2026.
	2025	Construction - Kubota Gardens Bioretention	2	Yes	$250,000	47.512903, -122.264787	Mapes Creek	0.23			0.23	2														0.46		1.5			0.69	0.69	Construction of this project is expected to occur in 2025.

Notes:
HPGTA = High Pollutant Generating Transportation Area, see definition in Appendix 12 of the 2024 Permit.
During calendar year 2023, 14,646 curbed miles were swept during calendar year 2023, which generates 4,686 SMED points [14,646 x 0.1 x (1.5+1.7], since sweeping mostly occurs in HPGTAs and in some overburdened communities). The table does not currently allow the inclusion of 2023 SMED points (an error), despite the SMED point start date for the 2024 Permit beginning 1/1/2023.