

Seattle Public Utilities Water Fund Draft Proposed 2014-2019 Capital Improvement Program

DRAFT FOR MAY 2, 2013 Operating Board Meeting

Row	Allocation	Program Area	Project Name	Sum of Previous Years Actuals	2013 Projections (as of 3/13)	2014	2015	2016	2017	2018	2019	Sum of Remaining Costs	Total Project Cost**	Closing year, for rate estimate purposes	Assumed accounting life, necessary for rate estimate	Percentage assumed to regional/subregional rates	ROUGH estimate of initial rate impact, for project or for avg annual spending for "various" items (\$/ccf)	Based on					
1	Existing Supply	Water Resources	Landsburg Flood Passage Imprts	\$928,497	\$0	\$100,000	\$1,000,000	\$500,000	\$100,000	\$0	\$0	\$0	\$2,628,497	2017	50	100%	\$0.004	Total spending					
2			Overflow Dike Improvements	\$125,031	\$100,000	\$200,000	\$1,480,000	\$2,052,457	\$0	\$0	\$0	\$0	\$0	\$3,957,488	2016	50	100%	\$0.006	Total spending				
3			Tolt Ring Gate System Imprts	\$0	\$0	\$0	\$0	\$950,000	\$1,000,000	\$0	\$0	\$0	\$0	\$0	\$1,950,000	2017	30	100%	\$0.004	Total spending			
4			Morse Lake Pump Plant	\$12,227,965	\$1,780,000	\$2,054,119	\$2,695,396	\$11,506,255	\$12,386,741	\$7,310,906	\$0	\$0	\$0	\$0	\$49,961,382	2018	50	100%	\$0.078	Total spending			
5		Water Quality & Treatment	Water Quality Equipment	\$248,956	\$100,000	\$143,000	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$492,956	2015	10	100%	\$0.001	Total spending			
6			Landsburg Chlorination	\$171,864	\$269,007	\$1,016,083	\$865,074	\$29,421	\$0	\$0	\$0	\$0	\$0	\$0	\$2,351,449	2016	25	100%	\$0.005	Total spending			
7		Habitat Conservation Program ****	Watershed Road Improvements	Watershed Road Improvements	--	\$428,974	\$440,000	\$448,000	\$457,000	\$467,000	\$476,000	\$485,000	--	--	various***	20	100%	\$0.001	Annual avg spending				
8				Watershed Road Decommissioning	--	\$555,728	\$564,000	\$575,000	\$587,000	\$599,000	\$611,000	\$623,000	--	--	various***	20	100%	\$0.001	Annual avg spending				
9				Riparian Conifer Underplanting	--	\$12,371	\$12,000	\$12,000	\$12,000	\$12,500	\$12,500	\$12,500	--	--	various***	10	100%	\$0.000	Annual avg spending				
10				LWD Replacement in Streams	--	\$133,385	\$133,300	\$133,500	\$133,800	\$60,000	\$60,100	\$60,200	--	--	various***	10	100%	\$0.000	Annual avg spending				
11				Riparian Restoration Thinning	--	\$42,577	\$44,000	\$45,000	\$46,000	\$46,000	\$46,000	\$46,000	--	--	various***	10	100%	\$0.000	Annual avg spending				
12				Bank Revegetation	--	\$20,000	\$38,600	\$38,700	\$38,700	\$38,700	\$25,000	\$25,000	\$25,100	--	--	various***	10	100%	\$0.000	Annual avg spending			
13				Passage for Peak Flows	--	\$95,365	\$98,418	\$98,418	\$98,418	\$98,401	\$98,418	\$98,418	--	--	various***	10	100%	\$0.000	Annual avg spending				
14				Bank Stabilization	--	\$29,742	\$67,700	\$67,800	\$68,000	\$50,000	\$50,100	\$50,200	--	--	various***	10	100%	\$0.000	Annual avg spending				
15				Upland Restoration Thinning	\$3,840,913	\$298,785	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,189,698	2014	10	100%	\$0.013	Total spending		
16				Upland Restoration Planting	--	\$21,440	\$25,000	\$25,000	\$25,500	\$26,000	\$26,500	\$27,000	--	--	various***	10	100%	\$0.000	Annual avg spending				
17				Upland Ecological Thinning	--	\$211,911	\$208,000	\$163,200	\$166,500	\$106,000	\$108,000	\$88,000	--	--	various***	10	100%	\$0.000	Annual avg spending				
18				Freshwater Conservation (Ballard Locks)	\$357,325	\$0	\$0	\$0	\$200,000	\$200,000	\$200,000	\$200,000	\$561,973	\$1,719,298	2020	10	100%	\$0.003	Total spending				
19				Dwnstrm Habit Prot-Instrm Flws	\$4,572,239	\$713,350	\$200,000	\$405,000	\$143,000	\$0	\$0	\$0	\$0	\$0	\$0	\$6,033,589	2016	10	100%	\$0.018	Total spending		
20				Dwnstrm Habit Prot-Lndsbrg Mit	\$1,471,097	\$539,218	\$248,000	\$425,521	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,683,836	2015	10	100%	\$0.008	Total spending		
21				Walsh Creek-Rock Creek Confluence Enhancement P	\$1,009,853	\$9,297	\$10,000	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,039,150	2015	10	100%	\$0.003	Total spending		
22				Watershed Stewardship	Chinook Studies	Chinook Studies	--	\$112,943	\$204,000	\$208,080	\$212,242	\$216,486	\$220,816	\$225,232	--	--	various***	10	100%	\$0.001	Annual avg spending		
23						Cedar Bridges	--	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	--	--	various***	50	100%	\$0.000	Annual avg spending	
24		Tolt Bridge Chuck Judd Cr	\$0			\$0	\$0	\$0	\$200,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$400,000	2017	50	100%	\$0.001	Total spending		
25		Tolt Bridge Siwash Creek	\$0			\$0	\$0	\$0	\$250,000	\$250,000	\$0	\$0	\$0	\$0	\$0	\$500,000	2017	50	100%	\$0.001	Total spending		
26		Tolt WS Road Improvements	\$214,576			\$20,000	\$6,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$245,576	2015	50	100%	\$0.000	Total spending		
27		Rattlesnake Lake Sanitary Improvements	\$0			\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	2014	10	100%	\$0.001	Total spending		
28		Cedar River Watershed Contamination Remediation	\$0			\$0	\$0	\$100,000	\$100,000	\$100,000	\$100,000	\$0	\$0	\$0	\$0	\$300,000	2017	10	100%	\$0.001	Total spending		
29		Shared Cost Projects	Cedar Falls Building Improvements			Cedar Falls Building Improvements	\$46,873	\$174,980	\$110,000	\$112,600	\$100,000	\$0	\$0	\$0	\$0	\$0	\$544,453	2016	50	100%	\$0.001	Total spending	
30						Landsburg Facilities Development	\$1,475,049	\$1,136,498	\$4,064,332	\$3,460,296	\$117,684	\$0	\$0	\$0	\$0	\$0	\$0	\$10,253,859	2016	50	100%	\$0.016	Total spending
31						Cedar Falls Facilities Development	\$137,383	\$1,000,270	\$700,000	\$2,000,000	\$4,000,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,837,653	2016	50	100%	\$0.012	Total spending
32				Tolt Building Imprvmts	\$69,492	\$151,441	\$82,800	\$0	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$403,733	2016	50	100%	\$0.001	Total spending		
33		Lake Youngs Building Imprvmts	\$91,367	\$151,409	\$82,800	\$73,200	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$498,776	2016	50	100%	\$0.001	Total spending				
34	Existing Supply Total			\$26,988,480	\$8,109,690	\$11,103,152	\$14,448,785	\$22,194,977	\$15,944,128	\$9,246,340	\$1,941,650	\$561,973	\$98,191,393										
35	Existing Transmission	Water Quality & Treatment	Reservoir Covering Maple Leaf	\$38,060,338	\$1,018,959	\$750,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$39,829,297	2014	50	100%	\$0.062	Total spending				
36			Maple Leaf Reservoir Seismic	\$0	\$250,000	\$200,000	\$500,000	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000,000	2016	50	100%	\$0.002	Total spending			
37			Lake Forest Park-Floating Cover Replacement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$590,000	\$11,570,000	\$12,160,000	2022	25	100%	\$0.001	Total spending				
38			Treatment Facility/WQ Improve	--	\$100,428	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	--	--	various***	25	100%	\$0.000	Annual avg spending				
39		Transmission	Transmission Pipelines Rehab	--	\$175,000	\$1,061,176	\$1,082,450	\$1,104,117	\$1,126,199	\$1,148,723	\$1,171,698	--	--	various***	20	100%	\$0.002	Annual avg spending					
40			CP on TESSL near NE 124 ST	\$0	\$102,330	\$525,000	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$827,330	2016	10	100%	\$0.002	Total spending				
41	Shared Cost Projects	Maple Leaf Gatehouse	\$156,764	\$399,084	\$875,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,430,849	2014	30	100%	\$0.003	Total spending					
42	Existing Transmission Total			\$38,217,102	\$2,045,801	\$3,511,176	\$1,882,450	\$1,254,117	\$1,226,199	\$1,248,723	\$1,861,698	\$11,570,000	\$55,247,475										
43	Individual Purveyors	Transmission	Purveyor Meters	--	\$30,000	\$102,000	\$104,040	\$106,121	\$108,243	\$110,408	\$112,616	--	--	various***			N/A, not rate based						
44	Individual Purveyors Total				\$30,000	\$102,000	\$104,040	\$106,121	\$108,243	\$110,408	\$112,616												
45	Subregion - SW	Water Quality & Treatment	Reservoir Covering West Seattle	\$33,122,175	\$230,381	\$25,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,377,556	2014	50	8%	\$0.054	Total spending				
46			West Seattle Reservoir Seismic	\$521,367	\$503,254	\$3,000,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,124,621	2015	50	8%	\$0.007	Total spending			
47	Subregion - SW Total			\$33,643,542	\$733,635	\$3,025,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$37,502,176										
48	Various*	Water Resources	Dam Safety	--	\$0	\$50,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	--	--	various***	50	100%	\$0.000	Annual avg spending					
49			Transmission	System Dewatering Program	--	\$100,000	\$102,000	\$104,040	\$106,121	\$108,243	\$110,408	\$112,616	--	--	various***	20	50%	\$0.000	Annual avg spending				
50		Cathodic Protection		--	\$350,000	\$465,000	\$1,531,922	\$1,000,000	\$1,000,020	\$1,000,040	\$1,000,060	--	--	various***	20	50%	\$0.002	Annual avg spending					
51		Replace Air Valve Chambers		--	\$25,000	\$116,729	\$122,318	\$124,766	\$124,766	\$127,000	\$130,000	--	--	various***	20	50%	\$0.000	Annual avg spending					
52		Shared Cost Projects	Integrated Security Syst - WF	--	\$1,859,584	\$1,850,000	\$1,530,000	\$1,570,000	\$1,570,000	\$1,490,000	\$1,810,000	--	--	various***	10	50%	\$0.005	Annual avg spending					
53			Integrated Security System	--	\$118,495	\$393,750	\$315,000	\$341,250	\$333,750	\$345,000	\$386,250	--	--	various***	10	50%	\$0.001	Annual avg spending					
54			SCADA WF Field Imprv Phase 2	--	\$410,000	\$405,000	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000	--	--	various***	10	50%	\$0.001	Annual avg spending					
55	SR-520 Bridge Repl-WF	\$35,124	\$261,650	\$265,294	\$54,123	\$55,206	\$0	\$0	\$0	\$0	\$0	\$0	\$671,397	various***	50	50%	\$0.000	Annual avg spending					
56	Various Total			\$3,124,728	\$3,124,728	\$3,647,773	\$4,162,403	\$3,702,343	\$3,601,779	\$3,577,448	\$3,943,926	\$0	\$671,397										
57	New Supply	Water Resources	Regional Conservation Indoor	--	\$807,145	\$822,120	\$838,562	\$855,333	\$872,440	\$889,889	\$907,687	--	--	various***	10	N/A, not rate based							
58			Regional Conservation Outdoor	--	\$157,697	\$159,120	\$162,302	\$165,548	\$168,859	\$172,236	\$175,681	--	--	various***	10	N/A, not rate based							
59			Regional Conservatn Commercial	--	\$804,218	\$822,120	\$838,562	\$855,333	\$872,440	\$889,889	\$907,687	--	--	various***	10	N/A, not rate based							
60	New Supply Total			\$1,769,060	\$1,803,360	\$1,839,426	\$1,876,214	\$1,913,739	\$1,952,014	\$1,991,055													
61	Grand Total			\$98,849,124	\$15,812,914	\$23,192,461	\$22,537,104	\$29,133,772	\$22,794,088	\$16,134,933	\$9,850,945	\$12,131,973	\$191,612,442										

Notes: *Projects indicated as 'Various' involve work on multiple facilities. Costs for these projects will be included in regional or subregional cost pools to the extent that work is done on a regional or subregional facility.

**All amounts are in inflated dollars. Total project costs are shown for those projects where costs will be allocated when project goes online.

*** Assume annual closing for the sake of rate calculation.

**** The cost of the HCP thinning projects would be reduced by the timber revenues received, but that is not factored into the estimate of initial rate impact.