

Projected Rate Impact of Seattle Public Utilities Water Fund Draft Proposed 2015-2020 Capital Improvement Program

Demand used in calculations same as for 2013

3/26/2014 Draft

Row	Allocation	Program Area	Project Name Yellow shading show projects to be discussed (Red = New Projects since 2014 CIP)	Cost of Assets Created in 2015- 2020	Closing year of assets	Assumed accounting life	Percentage assumed to regional/ subregional rates	Effect on 2015 rates	Effect on 2016 rates	Effect on 2017 rates	Effect on 2018 rates	Effect on 2019 rates	Effect on 2020 rates	
1	Existing	Water Resources	Tolt Ring Gate Upgrade	\$2,197,000	2017	30	100%	\$ -	\$ -	\$ 0.003	\$ 0.004	\$ 0.004	\$ 0.004	
2	Supply		Overflow Dike Improvements	\$3,659,414	2020	50	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.004	
3			Morse Lake Pump Plant	\$40,634,254	2016 & 2017	50	100%	\$ -	\$ 0.040	\$ 0.060	\$ 0.062	\$ 0.061	\$ 0.060	
4		Habitat Conservation Program ****	Watershed Road Improvements	\$1,479,885	various***	20	100%	\$ -	\$ 0.001	\$ 0.001	\$ 0.002	\$ 0.002	\$ 0.003	
5			Watershed Road Decommissioning	\$4,206,858	various***	20	100%	\$ 0.001	\$ 0.002	\$ 0.004	\$ 0.005	\$ 0.006	\$ 0.007	
6			Riparian Conifer Underplanting	\$88,000	various***	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
7			LWD Replacement in Streams	\$500,142	various***	10	100%	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	
8			Riparian Restoration Thinning	\$131,000	various***	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
9			Bank Revegetation	\$74,152	various***	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
10			Passage for Peak Flows	\$310,304	various***	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.001	
11			Bank Stabilization	\$314,865	various***	10	100%	\$ -	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	
12			Upland Restoration Planting	\$98,542	various***	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
13			Upland Ecological Thinning	\$661,966	various***	10	100%	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	
14			Hatchery Spring Water Redundancy	\$700,000	2019	30	100%	\$ -	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	
15			Sockeye Broodstock Weir	\$2,894,000	2019	10	100%	\$ -	\$ -	\$ -	\$ -	\$ 0.003	\$ 0.009	
16			Freshwater Conservation (Ballard Locks)	\$1,336,000	2020	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.002	
17			Dwnstrm Habit Prot-Instm Flws	\$942,169	2016	10	100%	\$ -	\$ 0.001	\$ 0.002	\$ 0.002	\$ 0.002	\$ 0.002	
18			Dwnstrm Habit Prot-Lndsbrg Mit	\$1,618,010	2015	10	100%	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	
19			Walsh Creek-Rock Creek Confluence Enhancement Project	\$20,000	2015	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
20			Chinook Studies	\$1,318,445	various***	10	100%	\$ 0.001	\$ 0.001	\$ 0.002	\$ 0.002	\$ 0.003	\$ 0.004	
21		Watershed Stewardship	Cedar Bridges	\$603,000	various***	75	100%	\$ -	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	
22			Tolt WS Road Improvements	\$32,876	2015	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
23			CRW Contamination Remediation	\$300,000	2017	20	100%	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	
24			RSL Sanitary Facilities	\$110,000	2015	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
25			Tolt Bridge Chuck Judd Cr	\$400,000	2017	75	100%	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	
26		Tolt Bridge Siwash Creek	\$500,000	2017	75	100%	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001		
27		Transmission	Lake Youngs Road Improvements	\$98,219	2015	20	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
28		Shared Cost Projects	Cedar Falls Building Imprvmts	\$547,600	various***	30	100%	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	
29			Landsburg Facilities Development	\$15,225,409	2016	30	100%	\$ -	\$ 0.018	\$ 0.027	\$ 0.027	\$ 0.026	\$ 0.025	
30			Cedar Falls Facilities Development	\$14,300,694	2019	30	100%	\$ -	\$ -	\$ -	\$ -	\$ 0.017	\$ 0.025	
31			Tolt Building Imprvmts	\$467,800	various***	30	100%	\$ -	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	
32			Lake Youngs Building Imprvmts	\$555,616	various***	30	100%	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	
33			Materials Supply Inventory Reg'l	\$929,285	2015	10	100%	\$ 0.001	\$ 0.003	\$ 0.003	\$ 0.003	\$ 0.002	\$ 0.002	
34	Existing Supply Total			\$97,255,505				\$ 0.004	\$ 0.067	\$ 0.106	\$ 0.115	\$ 0.138	\$ 0.160	
35	Existing	Water Quality & Treatment	Maple Leaf Reservoir Seismic	\$9,255,617	2016	67	100%	\$ -	\$ 0.011	\$ 0.013	\$ 0.013	\$ 0.013	\$ 0.013	
36	Transmission		Reservoir Covering-L Forest Pk	\$0	2022	20	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
37			Transmission	Tolt Slide Improvements	\$5,393,000	2020	50	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 0.006
38				Tolt Slide Toe Stabilization	\$359,329	2015	20	100%	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.001
39				Transmission Pipelines Rehab	\$3,436,567	various***	25	100%	\$ 0.002	\$ 0.004	\$ 0.004	\$ 0.005	\$ 0.005	\$ 0.006
40				CRPL4 at Airport Expressway CP	\$50,063	2015	10	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
41				Tolt ROW/Road Improvements	\$201,351	2015	20	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
42		Shared Cost Projects	Maple Leaf Gatehouse	\$1,279,229	2015	30	100%	\$ 0.002	\$ 0.002	\$ 0.002	\$ 0.002	\$ 0.002	\$ 0.002	
43	Existing Transmission Total			\$19,975,156				\$ 0.004	\$ 0.018	\$ 0.020	\$ 0.021	\$ 0.021	\$ 0.028	
44	Individual	Transmission	Purveyor Meters	\$1,556,000	various***		N/A, not rate based	N/A	N/A	N/A	N/A	N/A	N/A	
45	Individual Purveyors Total													
46	SW Subregion	Water Quality & Treatment	West Seattle Reservoir Seismic	\$6,854,115	2016	67	8%	\$ -	\$ 0.008	\$ 0.010	\$ 0.010	\$ 0.010	\$ 0.010	
47	SW Subregion Total			\$6,854,115				\$ -	\$ 0.008	\$ 0.010	\$ 0.010	\$ 0.010	\$ 0.010	
48	Various*	Water Resources	Dam Safety	\$2,500,000	various***	50	100%	\$ -	\$ 0.001	\$ 0.001	\$ 0.002	\$ 0.003	\$ 0.004	
49		Water Quality & Treatment	Treatment Facility/WQ Improve	\$1,919,441	various***	10	50%	\$ -	\$ 0.001	\$ 0.001	\$ 0.001	\$ 0.002	\$ 0.002	
50		Transmission	System Dewatering Program	\$229,240	various***	20	50%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
51			Cathodic Protection (CP)	\$4,889,385	various***	20	80%	\$ 0.001	\$ 0.003	\$ 0.003	\$ 0.005	\$ 0.005	\$ 0.007	
52			Replace Air Valve Chambers	\$767,224	various***	20	50%	\$ -	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	
53			Shared Cost Projects	SCADA WF Imprv Phase 2	\$3,285,000	various***	10	50%	\$ 0.001	\$ 0.001	\$ 0.002	\$ 0.003	\$ 0.003	\$ 0.004
54				Integrated Security Syst - WF	\$3,874,535	various***	10	50%	\$ 0.001	\$ 0.002	\$ 0.003	\$ 0.004	\$ 0.004	\$ 0.005
55				Integrated Security System	\$2,550,000	various***	10	50%	\$ -	\$ -	\$ 0.001	\$ 0.001	\$ 0.002	\$ 0.002
56			SR 520 Corridor Project-WF	\$1,400,000	various***	50	50%	\$ -	\$ -	\$ -	\$ -	\$ 0.001	\$ 0.001	
57	Various Total							\$ 0.003	\$ 0.008	\$ 0.011	\$ 0.016	\$ 0.021	\$ 0.026	
58	New Supply	Water Resources	Regional Conservation Indoor	\$6,108,975	various***	10	Not rate based	N/A	N/A	N/A	N/A	N/A	N/A	
59			Regional Conservation Outdoor	\$1,179,821	various***	10	Not rate based	N/A	N/A	N/A	N/A	N/A	N/A	
60			Regional Conservatn Commercial	\$6,154,770	various***	10	Not rate based	N/A	N/A	N/A	N/A	N/A	N/A	
61	New Supply Total													
62	Grand Total			\$124,084,777										

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.