

2017-23 Utilities Proposed CIP

Inflation
inflation factor compounded

2.0% 2.0% 2.0% 2.0% 2.0% 2.0% 2.0%
102.00% 104.04% 106.12% 108.24% 110.41% 112.62% 114.87%

WATER

		Project Inception through 2016	2017	2018	2019	2020	2021	2022	2023	2017-2023
Small Diameter Water Main Replacement	W-16	63,175,885	8,741,000	9,587,000	9,779,000	9,975,000	10,174,000	10,337,000	10,585,000	69,178,000
Pressure Reducing Valve (PRV) Rehabilitation	W-67	8,456,971	392,000	399,000	407,000	416,000	424,000	432,000	441,000	2,911,000
Minor (Small) Water Capital Improvement Projects	W-69	5,498,619	216,000	220,000	225,000	229,000	234,000	239,000	244,000	1,607,000
Fire Hydrant Standardization	W-82	1,296,965	309,000	254,000	-	-	-	-	-	563,000
Reservoir Rehabilitation or Replacement	W-85	11,465,705	838,000	1,047,000	954,000	222,000	777,000	1,382,000	2,011,000	7,231,000
Water Pump Station Rehabilitation or Replacement	W-91	8,026,238	2,933,000	2,287,000	2,123,000	1,306,000	2,800,000	2,782,000	2,312,000	16,543,000
Replacement of Large Commercial Water Meters	W-98	2,979,308	527,000	537,000	548,000	559,000	570,000	581,000	593,000	3,915,000
Water Service Line & Saddle Replacement Program	W-99	2,416,932	248,000	253,000	258,000	263,000	269,000	274,000	279,000	1,844,000
Increase Drinking Water Storage Availability for West Operating Area (1)	W-103	779,547	1,410,000	641,000	654,000	-	-	-	-	2,705,000
New Water Inlet Station (1)	W-104	-	637,000	2,273,000	2,319,000	-	-	-	-	5,229,000
Water Facilities for NE Spring Blvd Multi Modal Corridor (1)	W-105	1,485,937	430,000	-	362,000	-	-	-	-	792,000
Water Facilities for NE 4th St Extension (1)	W-106	493,723	-	-	-	-	-	-	-	-
Sound Transit East Link Corridor within Bellevue City Limits	W-107	3,024,000	-	-	-	-	-	-	-	-
Advanced Metering Infrastructure (AMI) Implementation	W-New-2-M	-	150,000	4,032,000	8,064,000	-	-	-	-	12,246,000
W Lake Sammamish AC Main Replacement SE 18th - NE 8th	W-New-3	-	720,000	-	2,113,000	2,156,000	-	-	-	4,989,000
Land Acquisition for North End Yard	W-New-4-M	-	-	-	3,333,000	3,333,000	-	-	-	6,666,000
Richards Road Inlet Supply Station Improvements	W-New-5-M	-	500,000	-	-	-	-	-	-	500,000
NE 40th and Enatai Inlet Water Supply Station Improvements (1)	W-New-6-M	-	200,000	-	-	-	-	-	-	200,000
TOTAL		\$109,099,830	\$18,251,000	\$21,530,000	\$31,139,000	\$18,459,000	\$15,248,000	\$16,027,000	\$16,465,000	\$137,119,000

SEWER

		Budget Through 2016	2017	2018	2019	2020	2021	2022	2023	2017-2023
Sewer Pump Station Improvements	S-16	14,033,491	2,697,000	1,075,000	1,097,000	1,090,000	995,000	1,188,000	1,082,000	9,224,000
Sewer System Pipeline Major Repairs	S-24	21,014,785	1,873,000	1,911,000	1,949,000	1,988,000	2,027,000	2,068,000	2,109,000	13,925,000
Minor (Small) Capital Improvement Projects	S-32	2,364,323	108,000	110,000	112,000	115,000	117,000	119,000	122,000	803,000
East CBD Sewer Trunkline Improvements (1)	S-52	3,769,045	-	-	-	-	-	-	-	-
Bellefield Pump Station Capacity Improvement (1)	S-53	10,115,681	-	-	-	-	-	-	-	-
Lake Washington Sewer Lake Line Assessment Program	S-58	1,801,400	150,000	-	-	-	-	-	-	150,000
Add on-site Power at Sewer Pump Stations	S-59	224,981	257,000	545,000	229,000	-	-	-	-	1,031,000
Wilburton Sewer Capacity Upgrade (1)	S-60	9,862,599	10,000	10,000	10,000	10,000	10,000	10,000	-	60,000
Midlakes Pump Station Capacity Improvements (1)	S-61	4,069,715	-	-	-	-	-	-	-	-
Sewer Facilities for 120th Ave NE Improvements (Segment 2) (1)	S-63	788,914	-	-	-	-	-	-	-	-
Sewer System Pipeline Replacement	S-66	3,404,100	3,143,000	1,458,000	1,144,000	1,745,000	1,219,000	1,157,000	1,770,000	11,636,000
I&I Investigations and Flow Monitoring	S-67	470,000	199,000	240,000	223,000	96,000	-	-	-	758,000
Sewer Force Main Condition Assessment	S-68	522,000	208,000	220,000	-	-	-	-	-	428,000
Meydenbauer Bay Park Sewer Line Replacement	S-69	348,000	2,153,000	-	-	-	-	-	-	2,153,000
Sound Transit East Link Corridor within Bellevue City Limits	S-70	2,214,000	-	-	-	-	-	-	-	-
Land Acquisition for North End Yard	S-New-2-M	-	-	-	3,333,000	3,333,000	-	-	-	6,666,000
Advanced Metering Infrastructure (AMI) Implementation	S-New-4-M	-	150,000	4,032,000	8,064,000	-	-	-	-	12,246,000
TOTAL		\$75,003,034	\$10,948,000	\$9,601,000	\$16,161,000	\$8,377,000	\$4,368,000	\$4,542,000	\$5,083,000	\$59,080,000

STORM

		Budget Through 2016	2017	2018	2019	2020	2021	2022	2023	2017-2023
Minor (Small) Storm Capital Improvement Projects	D-59	3,201,286	222,000	227,000	231,000	237,000	242,000	247,000	252,000	1,658,000
Storm System Conveyance Repairs and Replacement	D-64	13,921,231	1,031,000	1,104,000	1,184,000	1,266,000	1,356,000	1,452,000	1,555,000	8,948,000
Fish Passage Improvement Program	D-81	4,783,895	421,000	461,000	174,000	500,000	236,000	607,000	507,000	2,906,000
Stream Channel Modification Program	D-86	4,686,568	338,000	303,000	544,000	365,000	423,000	298,000	552,000	2,823,000
Flood Control Program (3)	D-94	7,591,973	1,519,000	3,133,000	244,000	375,000	796,000	1,024,000	1,478,000	8,569,000
Replace Coal Creek Pkwy Culvert at Coal Creek	D-103	5,235,250	15,000	12,000	12,000	-	-	-	-	39,000
Stream Restoration for Mobility & Infrastructure Initiative	D-104	9,506,820	110,000	112,000	5,000	6,000	6,000	-	-	239,000
Replace NE 8th St Culvert at Kelsey Creek	D-105	336,000	733,000	2,778,000	16,000	8,000	8,000	8,000	8,000	3,559,000
Lower Coal Creek Flood Hazard Reduction Phase 1 (3)	D-106	1,366,889	2,515,000	2,475,000	2,311,000	10,000	10,000	-	-	7,321,000
Stormwater Video Inspection Enhancement	D-107	913,000	626,000	638,000	326,000	-	-	-	-	1,590,000
Sound Transit East Link Corridor within Bellevue City Limits	D-108	3,616,000	-	-	-	-	-	-	-	-
Storm Water Quality Retrofit in Kelsey Creek	D-New-1	-	90,000	125,000	128,000	-	-	-	-	343,000
Land Acquisition for North End Yard	D-New-3-M	-	-	-	3,333,000	3,333,000	-	-	-	6,666,000
TOTAL		55,158,912	\$7,620,000	\$11,368,000	\$8,508,000	\$6,100,000	\$3,077,000	\$3,636,000	\$4,352,000	\$44,661,000
Total all 3 utilities			\$36,819,000	\$42,499,000	\$55,808,000	\$32,936,000	\$22,693,000	\$24,205,000	\$25,900,000	\$240,860,000

2017-2023

	2017-2023
R&R Aging Infrastructure	164,152,000
Capacity for Growth	8,986,000
Environmental Preservation	23,232,000
Mandated	-
Service Enhancement	24,492,000
Base Service Support	19,998,000

- (X) Projects proposed to be funded partially or wholly by revenues other than rates
- (1) Connection Charges or Capital Recovery Charge Reimbursement
- (2) Grant Funds
- (3) King Co Flood Control Zone District

Water	
R&R	109,281,000
Growth	8,926,000
Mandate	-
Environmental	-
Enhancement	12,246,000
Base Service	6,666,000
Total	137,119,000

Sewer	
R&R	39,077,000
Growth	60,000
Mandate	-
Environmental	1,031,000
Enhancement	12,246,000
Base Service	6,666,000
Total	59,080,000

Storm	
R&R	15,794,000
Growth	-
Mandate	-
Environmental	22,201,000
Enhancement	-
Base Service	6,666,000
Total	44,661,000