

King County WTD - Sewer Rate Financial Model

2026-2036

Capital Spending Forecast_2027 Proposal

CIP

Asset Management - Conveyance	\$ 927,662,868
Asset Management - Plants	3,021,207,691
Capacity Improvement	2,044,336,734
Operational Enhancements	301,352,361
Planning & Administration	137,809,723
Resource Recovery	271,023,881
Regulatory	7,139,647,190
Resiliency	344,237,542
Total - CIP	\$ 14,187,277,990

CIP - Capital Spending Forecast_2027 Proposal

2026-2036

Asset Management - Conveyance	\$ 927,662,868
Bellevue Interceptor Rehabilitation	\$ 40,474,049
BWO West North Creek Force Main Rehabilitation	164,860,479
Cathodic Protection Program	5,203,493
Conveyance System H2S Corrosion Rehabilitation	1,904,222
Coordinate with WSDOT on I-405N	2,591,052
Division Wide Force Main Inspection Access Program	117,528,710
East North Creek Force Main Structural Lining or Replacement	50,495,851
ESI Section 10 Rehabilitation	11,154,533
ESI Section 13 Rehabilitation Phase II	30,458,203
ESI Section 2 Rehabilitation Phase III	5,905,898
Interbay Force Main & Odor Control	59,880,700
Issaquah Interceptor Rehabilitation	1,526,392
Juanita Interceptor Rehabilitation	7,015,731
Kenmore Interceptor Landfall Structure Rehabilitation	1,204,242
Lake Hills Boulevard Siphon Replacement	8,821,831
M Street Trunk Rehabilitation	63,687,692
Murray Forcemain Rehabilitation	6,036,519
Murray West Force Main Rehabilitation	9,679,758
Odor / Corrosion Control	105,516,775
Pipeline Replacement	79,821,099
Redmond Interceptor Rehabilitation	590,704
South Interceptor Rehabilitation	49,965,249
SPC Yarrow Bay PS Overflow Pipe Rehabilitation	7,912,892
SPO Eastgate Interceptor Rehabilitation Phase IV	27,958,800
SPO Heathfield Force Main Rehabilitation	15,203,231
SPO Kent Cross Valley and May Creek Interceptors Rehabilitation	29,579,575
Vashon WWTP Outfall Upgrade	22,685,189
Asset Management - Plants	\$ 3,021,207,691
Alki Primary Treatment Tanks and Alki Influent Screening Roof Replacements	\$ 1,011,722
Biosolids Agricultural Equipment	1,186,561
Biosolids Forestry Equipment	3,134,145
Biosolids Site Development	10,530,819
Biosolids Transportation	9,402,855
Brightwater Chemical Pipe System Replacement	1,196,768
Brightwater Neuros NX-300 Blower Replacement	17,889,043
Brightwater Operations Center Roof & HVAC Replacement	29,250,314
Chinook Research Vessel Replacement	1,102,100
Division Wide Offsite Level Controls and Communication Upgrade	500,480,766
Division Wide VFD Replacement Program	18,535,401

Division-Wide UPS Replacement Program	31,363,483
Electrical / I&C	128,872,501
Generator Power Systems Lifecycle Management Program	15,896,773
Hidden Lake PS Raw Sewage Pump Replacement	25,465,768
HVAC Replacements and Refurbishments	14,382,917
Kenmore PS and Storage Facility Upgrade	420,841
Lab Camp	18,628,178
Lake Ballinger PS Upgrade	1,559,769
Lakeland Hills PS Facility Replacement	116,710,773
Matthews Park PS Odor Control Replacement	30,114,016
Mechanical Upgrade & Replacement	195,778,181
Membrane Lifecycle Replacement Program Brightwater and Carnation	4,000,051
Murray PS Raw Sewage Pump Upgrade	24,676,342
Offsite Standby Generator Retrofit with Load Bank Connections	14,517,785
Ovation Evergreen Control Systems Lifecycle Management Program	11,460,378
PIMS Replacement	250,391
Roof Replacements for WTD Facilities	1,184,328
Small Generator Replacement at Various Offsite Stations	16,044,909
South Plant Barscreen Upgrade	13,634,186
South Plant Biogas Scrubbing System Upgrade	100,751,381
South Plant C2, C3 LP and C3 HP Piping Replacement	636,732
South Plant Chemical ORT System and Dewatering Carbon Scrubber Improvements	4,580,116
South Plant Electrical Improvements	242,350,297
South Plant Flow Control Structures (#1-4) Component Replacement	7,483,416
South Plant Influent Gates & Actuators Replacement	8,679,326
South Plant Raw Sewage Pump #3 Replacement	22,442,036
South Plant Santler Building Redevelopment	55,112,728
South Plant Screening Dewatering Units Replacement	16,725,575
South Plant Secondary Odor Control Storage System Improvements	5,295,112
South Plant Water Tower Lead Abatement	12,823,709
SP Biogas and Heat Systems Improvements	31,775,301
SP DAFT Tank Rehabilitation	65,087,836
SPO Medina - Wilburton Siphons Odor Control	747,190
STP Aeration Tank Rehabilitation	6,925,219
STP Mixed Sludge Line Replacement	22,693,263
STP RAS Piping and Component Replacement	116,559,956
STP Septage Receiving	1,055,883
Structures / Site Improvement	133,824,914
Vashon TP Clarifier 1 & 2 Refurbishment (Standalone)	590,818
West Point Electrical Improvements	397,495,900
West Point EPS Isolation Gate Rehabilitation	14,142,355
West Point IPS / EPS Pump Refurbishment Program	44,162,932
West Point Primary Sediment Tank Corrosion Protection	280,561
West Point Propane System Improvements	16,246,461
West Point Secondary Clarifier Mechanism Refurbishment	2,041,989
West Point Sodium Hypochlorite System	8,919,899
WLRD Environmental Lab MCC Replacement	3,207,962
WPO Alki Bar Screen Replacement	9,622,010
WPO Denny Way Regulator Station Back-up Power	206,493
WPO Murray PS Upgrade	11,599,600
WPO North Beach Pump Station Upgrade	59,643,468
WPTP C1/C2 Pipeline Replacement	1,760,039
WPTP Cathodic Protection System Upgrade	699,006
WPTP Centrifuge, Centrate and SR lines Replacement	3,941,302
WPTP Co-Gen Replacement	8,212,383
WPTP Cogeneration Refurbishment	2,521,121
WPTP Critical Gate Refurbishment Program	206,273,960
WPTP CW Pipeline Replacement	817,823

WPTP GBT Replacement	4,602,578
WPTP Grit Classifier Replacement	3,035,518
WPTP Heat Loop Refurbishment	4,878,528
WPTP Instrument & Service Air Replacement	17,417,554
WPTP LSG Piping Replacement	1,094,929
WPTP OGADS System Replacement	3,849,554
WPTP Oxygen Generation System Refurbishment	10,545,327
WPTP PE and RAS Pipe Restoration/Replacement	28,427,638
WPTP Sand filter Replacement	209,046
WTD CMMS Upgrade	1,069,378
WTD Offsite Facilities Security Upgrade Project	24,324,059
WTD Ovation Control Systems Upgrades	1,784,251
WTD Roofing Program 2024-2028	10,099,001
WTD Standby Generator Fuel Storage ATG (Automatic Tank Gauging) Upgrade Program	640,937
Yarrow Bay PS Permanent Emergency Backup Generator	2,611,258
Capacity Improvement	\$ 2,044,336,734
Black Diamond Payments	\$ 3,495,890
Black Diamond Trunk Capacity Upgrade	166,751,012
Boeing Creek Trunk Replacement and Parallel	2,403,239
Brightwater Aeration Basin No. 4	183,953,428
Brightwater Aeration Basin No. 5	39,344,765
Brightwater Centrifuge No. 3	9,476,474
Brightwater Digester Capacity	4,514,753
Brightwater Grit Removal Expansion (Placeholder)	2,533,148
Brightwater Membrane 9 & 10 Cassettes	4,725,267
Brightwater Primary Clarifier Expansion (Placeholder)	2,138,641
BW Basins & Cassettes (11 & 12)	33,289,245
Coal Creek Siphon & Trunk Parallel	141,473,967
East Section Permanent Flow Monitors	5,072,631
Garrison Creek Interceptor Upgrade	29,117,201
Lake Hills and NW Lake Sammamish Interceptor Upgrade	257,945,324
Medina Pump Station Upgrade	43,618,526
Medina Trunk Replacement	512,936
North Mercer Island & Enatai Interceptors Upgrade	22,857,902
Richmond Beach Edmonds Interceptor Parallel	17,751,524
Richmond Beach Force Main Parallel	872,764
Richmond Beach PS Upgrade	44,417,415
Sammamish Plateau Diversion	571,310,325
Sammamish Plateau Interim Capacity	1,030,000
Soos Creek Cascade Relief Interceptor No. 2 Upgrade	15,956,384
South Park Conveyance Rerouting to Rainier Vista Interceptor	17,275,136
South Plant Digester Capacity	36,948,164
South Plant ETS Expansion (Placeholder)	2,851,522
South Plant Primary and Secondary Clarifier Upgrade	30,049,191
SPC North Lake Sammamish Flow Diversion	5,760,074
STP Secondary Sedimentation Tanks Retrofit	15,553,023
Treatment Planning Program	33,899,636
Tukwila Freeway Crossing Replacement	3,153,362
West Point Digestion Capacity Expansion	279,719,294
West Point Secondary Clarifier Capacity Expansion	14,269,973
WPTP OGADS Replacement	294,600
Operational Enhancements	\$ 301,352,361
Alki Permanent Standby Generator	\$ 11,895,589
Brightwater Biogas Conditioning	7,927,593
Brightwater Influent Pump Station Optimization	14,394,540
Carkeek CSO Dechlorination System Modifications	2,306,946

Lake Union HVAC Improvements	114,294
Process Replacement/Improvement	123,435,521
SPO Black Diamond PS RSP Rehabilitation	20,091,640
Sunset/Heathfield RSP Replacement	91,768,273
Technology Assessment and Innovation Project	23,229,239
West Point Additional IPS Pump	459,217
West Point Digester Mixing System Improvements	653,436
West Point Sludge Blend Tank Mixing System	789,078
WPTP GBT Foul Air System Improvement	4,286,995
Planning & Administration	\$ 137,809,723
Capital Project Oversight	\$ 3,634,397
Regional Wastewater Services Plan (RWSP) Update	\$ 28,532,468
RWSP Conveyance System Improvements	\$ 61,226,159
RWSP Local Systems I/I Control	\$ 7,437,817
Water Quality Capital Outlay	\$ 8,405,811
WTD Capital Project Formulation	\$ 21,901,398
WTD Capital Projects Closeout	6,671,673
Resource Recovery	\$ 271,023,881
Brightwater Digester Circulation Pump Replacement	\$ 1,399,046
Brightwater Digester Gas Optimization	32,371,786
Brightwater Odor Control Optimization	558,661
Brightwater Space Heating - Heat Pump Installation	10,464,293
BW Reclaimed Water Storage	65,882,133
Class A Loop Biosolids Facility	99,471,315
Loop Biosolids Compost Pilot at SP	13,234
Reclaimed Water Planning & Infrastructure	15,141,478
Sewer Heat Recovery, Renewable energy projects - Long term planning	727,725
South Plant Digester Circulation Pump Replacement	3,583,071
West Point Digester Circulation Pump Replacement	2,195,898
West Point Digester Gas Optimization - Phase 2	12,030,723
West Point Solar PV installation Over Primary Clarifiers	9,544,106
WP Biogas Utilization Improvement Program	12,081,156
WTD Electric Vehicle Charging Stations	4,083,266
WTD Solar Program	1,475,991
Regulatory	\$ 7,139,647,190
Comp Planning & Reporting	\$ 74,903,645
CSO Control & Improvement	30,099,377
CSO Supplemental Compliance and Corrective Action	126,770,297
East Ship Canal Wet Weather Facilities	1,809,662,125
Elliott West CSO Compliance	3,661,857
Elliott West Wet Weather Treatment Station	775,326,596
Georgetown Wet Weather Treatment Station	565,779
Joint Ship Canal WQ CSO Control	51,580,182
Lower Duwamish Waterway Superfund	71,353,836
Mitigation Site Maintenance and Monitoring	25,414,041
Mouth of the Duwamish - Chelan Storage Parent	806,617,981
Mouth of the Duwamish - Wet Weather Treatment Station and Conveyance Parent	2,575,314,905
Mouth of the Duwamish Facility Plan	2,800,000
Nitrogen Removal Optimization Mid-term Capital – Sidestream Treatment	130,491,663
Nitrogen Removal Optimization: Near-term Capital Program	21,621,398
PSNGP Nutrient Reduction Strategy	11,139,870
Sediment Management Plan	52,807,582
STP Aeration Tank Foam Wasting Control	47,391,097
STP Secondary Aeration Modified Ludzak Ettinger Retrofit	197,531,697
Water Quality Improvement Alternatives	47,915

West Duwamish Wet Weather Storage	85,843,024
WP Power Quality Improvements	12,181
WP Power Reliability Improvements	2,971,230
WPO South Magnolia Supplemental Compliance	235,718,912
Resiliency	\$ 344,237,542
30th Avenue PS Structural Retrofits	\$ 492,735
63rd Avenue PS flood Protection Upgrade	2,135,703
63rd Avenue PS Liquefaction Retrofits	981,223
Climate Adaptation Planning Program	21,079,053
Duwamish PS Structural Retrofits	6,520,030
Henderson PS Liquefaction Retrofit	104,334
Interbay Pump Station Structural Retrofits	6,868,229
Interurban PS Liquefaction Retrofit	1,554,045
Matthews Park PS Flood Protection Upgrade	4,260,669
Matthews Park PS Structural Retrofits	17,091,203
Murray PS Flood Protection Upgrade	3,238,394
South Mercer PS Landslide Protection Upgrade	459,857
South Plant Digester Equipment Building Structural Retrofits	3,117,742
South Plant Effluent Pump Station Structural Retrofits	6,866,899
South Plant Santler Building Structural Retrofits	2,036,697
SPTP Influent Pump Station Seismic Upgrades	25,392,583
Sweylocken PS Structural Retrofits	214,804
W. Marginal Way PS Structural Retrofits	123,184
West Point Maintenance/Effluent Pump Station Structural Retrofits	24,607,599
West Point Primary Sedimentation Area Roof Structure	11,113,466
Woodinville PS Flood Protection Upgrade	494,050
WP Life Safety Capital Improvements Program	3,880,463
WPTP Admin/Ops Center Seismic Upgrades	33,816,424
WPTP Passive Weir for Emergency Bypass	1,942,897
WPTP Raw Sewage Pump Replacement	147,634,118
WTD Resiliency Rollup	15,155,102
York PS Flood Protection Upgrade	3,056,039
Total - CIP - Capital Spending Forecast_2027 Proposal	\$ 14,187,277,990