

Seattle Public Utilities

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Department Overview

Seattle Public Utilities (SPU) provides reliable, efficient and environmentally conscious utility services to enhance the quality of life and livability in all communities SPU serves. SPU operates three distinct utilities: Drainage and Wastewater, Solid Waste and Water. The three utilities each have unique revenue sources and capital improvement projects but share many operations and administration activities within SPU and the City.

Drainage and Wastewater: The Drainage and Wastewater Utility collects and disposes or discharges storm runoff and wastewater from residences, businesses, institutions and public properties within the City. In addition to handling sewage and storm water runoff, Drainage and Wastewater works with other government agencies and private parties to address Federal EPA-mandated sediment cleanup projects where contamination is linked to storm water or sewage, such as Gas Works Park and the Lower Duwamish Waterway. The drainage and wastewater systems include approximately 448 miles of separated sanitary sewers, 968 miles of combined sewers, 481 miles of storm drains, 68 pump stations, 85 permitted combined sewer overflow outfalls, 290 storm drain outfalls, 578 water quality structures, 295 drainage flow control facilities, and 38 combined sewer overflow control detention tanks and pipes.

Solid Waste: The Solid Waste Utility collects and processes recycling, compostables, and residential and commercial garbage to promote public health and safety, quality of life, and environmental stewardship. The City owns and operates two transfer stations, two household hazardous waste facilities, a fleet of trucks and heavy equipment, and several closed landfills. The Solid Waste Capital Improvement Plan (CIP) supports the transfer stations, heavy equipment, and post-closure projects on landfills previously used by the City. In addition, SPU contracts with private companies who collect household refuse, compostable material, and recyclables. The companies deliver the material to recycling and composting facilities and to transfer stations for its ultimate processing or disposal. In concert with its waste handling and disposal activities, Solid Waste engages its customers in environmental sustainability programs that promote recycling, composting and reducing waste generation. Solid Waste also works to keep Seattle clean, by targeting illegal dumping, automobile abandonment, graffiti removal and providing public litter cans and recycling bins across Seattle.

Water: The Water Utility provides reliable, clean, and safe water to more than 1.5 million customers in and around Seattle for consumption and other uses. The water delivery system extends from Edmonds to Des Moines and from Puget Sound to Lake Joy near Duvall. SPU delivers water directly to its customers in Seattle and adjacent areas and provides wholesale water to 21 suburban water utilities and two interlocal associations for distribution to their customers. The Water Utility includes 1,900 miles of pipeline, 31 pump stations, 15 treated water reservoirs, three wells and 104,000 acres in two watersheds. The Utility builds, operates and maintains the City's water infrastructure to ensure system reliability, conserve and enhance the region's environmental resources and protect public health and safety. SPU engages the community in conservation efforts to reduce water consumption.

SPU monitors its funds using financial targets and employs these metrics to communicate about the financial health of its utilities with the Mayor and City Council, Seattle residents and businesses, and the bond rating agencies. Financial performance metrics include net income; year-end cash balance; the amount of cash versus debt dedicated to the CIP; debt service coverage, which is the amount of cash available to pay annual debt service after day-to-day system expenses are paid; and, for the Drainage and Wastewater Fund, the debt to asset ratio. Due to strong financial management and a commitment on the part of elected officials to establishing prudent rates, SPU has some of the strongest bond ratings of any utility in the country. SPU's Water and Drainage and Wastewater bonds are rated one notch below the highest rating by both S&P (AA+) and Moody's (Aa1), while Solid Waste bonds, which traditionally are viewed as riskier by ratings agencies, are just slightly lower and still categorized as High-Grade High Quality bonds (AA and Aa3 from the two agencies, respectively). These high ratings help SPU sell revenue bonds to

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fund infrastructure investments at the lowest costs possible. These lowered costs benefit the utilities and the rate payers they serve.

Budget Snapshot

	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Department Support				
General Fund Support	9,179,102	10,041,120	10,565,949	11,751,586
Other Funding - Operating	827,466,984	893,567,218	945,541,016	923,225,891
Total Operations	836,646,086	903,608,338	956,106,965	934,977,477
Capital Support				
Other Funding - Capital	174,275,141	360,229,872	440,009,298	416,412,005
Total Capital	174,275,141	360,229,872	440,009,298	416,412,005
Total Appropriations	1,010,921,228	1,263,838,211	1,396,116,263	1,351,389,482
Full-Time Equivalent Total*	1,398.55	1,414.55	1,421.55	1,433.30

* FTE totals are provided for informational purposes only. Changes in FTEs resulting from City Council or Human Resources Director actions outside of the budget process may not be detailed here

Budget Overview

The 2020 Proposed Budget for Seattle Public Utilities (SPU) largely reflects the 2020 Endorsed Budget that was developed in 2018 and continues to support key initiatives and service levels identified in the 2018-2023 Strategic Business Plan. The 2020 Proposed Budget also provides budget corrections based on financial planning information, and includes changes reflected in capital planning. The net impact of these changes reduces SPU's 2020 Proposed Budget by \$44.7 million.

Strategic Business Plan Overview

In 2017, the City adopted the 2018-2023 SPU Strategic Business Plan that guides the department's operations and investments for the six-year period from 2018-2023. A nine-member customer panel oversaw the development of the plan. The plan sets a transparent and integrated direction for all SPU utilities and contains projected six-year rate paths for water, drainage, wastewater, and solid waste lines of business. The adopted rate of growth across all lines of business is 5.2% annually.

In 2020, SPU will continue with programmatic reprioritization, efficiency improvements, and refinement of the CIP and operating budgets outlined in the plan to streamline utility services and deliver on regulatory requirements. SPU will create 9 new positions, including 6.0 FTEs to support financial services and 3.0 FTEs to support ongoing operations at solid waste transfer stations.

Drainage and Wastewater Highlights

The City adopted Drainage and Wastewater Rates in 2018 that reflected decreased expenditures in the Strategic Business Plan. Drainage rates will grow by 8.0% each year for the three-year period from 2019-2021. Wastewater rates will grow 7.5%, 7.4%, and 7.3% in 2019, 2020, and 2021 respectively. These rates include an estimate of a 2.8%

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increase in the King County treatment rate in 2021; actual 2021 rate increases may vary based on the actual King County treatment rate that is passed through to customers.

Efficiencies, Reductions, and Deferrals: The 2020 Proposed Budget reduces the Drainage and Wastewater 2020 Endorsed Budget by \$59.5 million, attributable to:

- reducing operating budget by \$19.4 million to reflect various technical changes related to taxes and fees, debt service, central costs, labor-related changes, and miscellaneous reductions;
- deferring \$21.7 million in costs associated with the Ship Canal Water Quality Project;
- deferring \$17.6 million in costs associated with construction on Operational Facilities projects;
- deferring \$8.9 million in costs associated with Move Seattle Levy projects; and
- a net increase of \$8.1 million in costs associated with increases and decreases across 30 capital projects within the Drainage and Wastewater CIP.

None of the efficiencies, reductions, or deferrals are expected to adversely affect services provided to customers or significantly change long-term goals of capital projects.

The 2020-2025 Proposed CIP revises and adds projects based on Combined Sewer Overflow and clean-up efforts, the largest of which is the Ship Canal Water Quality Project. For more information on these changes, please see the accompanying 2020-2025 Proposed CIP.

Water Utility Highlights

The Water Utility delivers potable water directly to retail customers both inside the City and in adjacent areas. These retail customers provide about 72% of the Water Fund's operating revenues, with roughly equal revenues coming from residential and commercial users. SPU also delivers water to districts and agencies who then deliver water to their direct customers. This wholesaling of water represents about 21% of Water's projected operating revenues in 2020. The remaining revenue is generated by non-rate fees and other sources.

The Water line of business has moved away from a period of intensive capital investment in new projects and is transitioning into maintenance and improvements of the existing transmission and distribution system. SPU will continue its efforts to complete reservoir retrofits and covering, water supply and asset preservation projects as detailed in the 2020-2025 Proposed CIP.

The City Council adopted Water Rates for retail customers in 2017 for the 2018, 2019 and 2020 rate period. Adopted Water rate increases for 2019 and for 2020 are under the 2018-2023 updated Strategic Business Plan by 2.5% and 3.7% respectively.

Changes to the Water Fund: The 2020 Proposed Budget increases the Water budget over the 2020 Endorsed Budget by \$12.3 million and includes:

- various technical changes to taxes and fees, debt service, central costs, labor-related changes, and miscellaneous reductions;
- increasing funding for capital projects driven by demand (e.g. water tap installations that follow permit requests for new construction; and
- decreasing funding for capital projects that are deferred or delayed.

For more information on these changes, please see the accompanying 2020-2025 Proposed CIP.

Solid Waste Highlights

The Solid Waste Utility provides collection services to residents and businesses within Seattle. Financial support of this service is primarily generated through charges based on the amount of garbage collected from residential and commercial waste collection contracts. Solid Waste will pursue opportunities for efficiencies in service delivery as it

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continues to experience decreased demand for services as a result of its conservation efforts to reduce solid waste and increase recycling activity.

SPU transmitted legislation to set Solid Waste Utility Rates for the 2020, 2021, and 2022 period. Solid Waste Rates are effective April 1st each year. Rates submitted for 2020-2022 are consistent with the 2020 Proposed Budget and is informed by the 2018-2023 Strategic Business Plan. The proposed rates include increases of 3.0% in 2020, 2.9% in 2021, and 2.9% in 2022, for an average annual increase of 3.0% over the three year period. This is below the average Solid Waste Rate path assumed in the 2018-2023 Strategic Business plan that assumed average annual increases of 3.4% over the same three-year period.

The Solid Waste Fund expects long-term demand to remain stable, with a small decline in some sectors through 2020.

Changes to the Solid Waste Fund: The 2020 Proposed Budget increases the Solid Waste budget over the 2020 Endorsed Budget by approximately \$871,000 due to revised capital project spending that shifts planned project costs in 2023 and 2024 forwards into 2020.

For more information on these changes, please see the accompanying 2020-2025 Proposed CIP.

Shared Across All Enterprise Funds

SPU corporate functions including leadership and administration, project delivery, and customer service are shared across all three enterprise funds and allocated proportionally. These functions are included individually by fund and each line of business collects enough rate revenues to pay for these costs.

Efficiencies, Reductions, and Deferrals: SPU will reduce budget by \$23.2 million across all three funds, primarily due to:

- \$19.6 million in reduced debt service obligations;
- \$1.5 million in reduced major contracts;
- \$9.1 million in reduced taxes and fees;
- \$5.7 million in increased labor changes; and
- \$1.3 million in increased miscellaneous programs.

Please see the Incremental Change section below for more detail.

General Fund

In addition to the three utility enterprise funds, SPU receives General Fund monies to support activities that go beyond direct utility service provision and support general government services. The General Fund portion of the SPU budget provides resources for:

- the Clean City Program, which addresses public blight issues in Seattle including public litter, illegal dumping, graffiti on public property, and litter issues related to unsanctioned homeless encampments;
- the Trees for Seattle Program (previously called ReLeaf), which works to maintain and increase the urban tree canopy in Seattle; and
- general government functions like maintaining survey markers throughout Seattle, standardizing construction specifications and planning documents, and maintaining engineering records for the city.

Programmatic increases: The 2020 Proposed Budget adds approximately \$1.2 million to the SPU General Fund budget to reflect increasing costs related to disposal and operations for general government garbage and neighborhood clean-up programs, as well as for the Recreational Vehicle Remediation Pilot Program.

Homelessness Investments: The 2020 Proposed Budget will:

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- maintain existing programs that address litter issues arising from unsanctioned homeless encampments; and
- expand the 2019 pilot to reduce trash and litter from illegally parked recreational vehicles (RVs) in the public right-of-way or on Seattle Parks and Recreation property.

Existing Homelessness Programs: The 2019 Adopted Budget included funding for SPU to continue three programs related to homelessness issues in Seattle. These programs included the Encampment Bag Program, the Litter Abatement Program, and the Needle Program. Under these programs, SPU provided trash removal from encampments, removed litter from the public right-of-way in neighborhoods affected by unsanctioned homeless encampments, and removed used needles from the public right-of-way and installed and serviced public needle disposal boxes throughout Seattle. Since first implementing the programs as pilots in 2017, service levels have expanded. The 2020 Proposed Budget maintains the expanded service levels.

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Incremental Budget Changes

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	2020 Budget	FTE
Total 2020 Endorsed Budget	1,396,116,263	1421.55
Proposed Operating		
Accounting and Operational Support	840,320	6.00
Solid Waste Operations	-	3.00
Clean City Disposal Costs	1,069,021	-
RV Remediation Increase	116,616	-
Proposed Capital		
Water Capital Changes	12,323,340	-
Drainage and Wastewater Capital Changes	(40,175,697)	-
Solid Waste Capital Changes	4,255,064	-
Technology Capital Changes	-	-
Proposed Technical		
Supplemental Budget Changes	-	2.00
Technical Adjustments	(23,155,445)	0.75
Total Incremental Changes	\$(44,726,781)	11.75
Total 2020 Proposed Budget	\$1,351,389,482	1433.30

Description of Incremental Budget Changes

Proposed Operating

Accounting and Operational Support

Expenditures	\$840,320
Position Allocation	6.00

This change increases budget in the Leadership and Administration Budget Control Level by \$840,320 in 2020 for the Water Fund, Drainage and Wastewater Fund, and the Solid Waste Fund. This change adds a mix of permanent and temporary labor to support areas in the Seattle Public Utilities (SPU) Accounting Division to address the impact of business process and system changes due primarily from the re-implementation of the financial system conducted in 2018, as well as operational support for data management. Included are the following permanent, ongoing positions: 3.0 FTE Accountants, 1.0 FTE Senior Accountant, 1.0 FTE Principal Accountant, 1.0 FTE Strategic Advisor. In addition, this change adds funding for 3.0 FTE temporary staff.

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Solid Waste Operations

Expenditures	-
Position Allocation	3.00

This change converts 5.0 FTE term-limited temporary positions to permanent positions in 2020 in order to maintain the current staffing levels at the transfer stations. In addition, position-only authority for 3.0 FTE Laborers and reallocation of two existing vacant positions for 2.0 FTE Laborers is authorized. This change represents a net-zero dollar impact to the utility as a whole; budget already exists for the current temporary labor.

Clean City Disposal Costs

Expenditures	\$1,069,021
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This change increases the General Fund appropriation in 2020 by \$1,069,021 in the Utility Services and Operations Budget Control Level to pay for increased Clean City program disposal costs, staff support for the RV Remediation pilot to maintain current service levels, and increased professional service costs to support changes in business practices.

RV Remediation Increase

Expenditures	\$116,616
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This change adds \$116,616 to expand the Recreational Vehicle Remediation Pilot program begun in 2019. This expansion would allow SPU to provide clean-up support to the larger citywide effort, doubling the average number of sites available for remediation from an average of 8 locations to an average of 16 locations per month.

Proposed Capital

Water Capital Changes

Expenditures	\$12,323,340
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This change increases the Water Fund Core and Shared CIP by \$12,323,340 in 2020. The primary focus is on asset management for distribution and transmission pipes, water system impacts associated with the various Seattle and regional transportation projects, and upgrades to water system facilities such as operation buildings. Please refer to the Water 2020-2025 Proposed Capital Improvement Program for more detail.

Drainage and Wastewater Capital Changes

Expenditures	\$(40,175,697)
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This change decreases the Drainage and Wastewater Fund (DWF) by \$40,175,697 in 2020 across all Capital Budget Control Levels, and reflects the SPU 2018-2023 Strategic Business Plan, which includes updated regulatory requirements and a joint project with King County to build a Combined Sewer Overflow (CSO) storage facility along the Ship Canal. Please see the Drainage and Wastewater 2020-2025 Proposed Capital Improvement Program for more details.

Solid Waste Capital Changes

Expenditures	\$4,255,064
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This change increases the Solid Waste Fund by \$4,255,064 in 2020 and shifts various project costs between years for a total reduction of \$690,000 over the 2020-2025 Capital Improvement Program. Changes from the Endorsed 2020 Solid Waste CIP are primarily driven by the South Park landfill redevelopment project as SPU, WSDOT, and Sound Transit negotiate and finalize scope and timeline. Please see the Solid Waste 2020-2025 Capital Improvement Program for more details.

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Technology Capital Changes

Expenditures -

This change makes no change to the Technology Capital Improvement Program (CIP) in 2020. The total increase for the six-year period of 2020-2025 is \$10,500,000 in out-year spending, resulting from adding an additional year (2025) to the CIP spending plan window. This change also completes a net-zero shift as project timing and needs are projected to change in 2021 and beyond. Please see the Technology 2020-2025 Proposed Capital Improvement Program for more details.

Proposed Technical

Supplemental Budget Changes

Position Allocation 2.00

This technical change implements budget revisions made in the 2019 Quarterly Supplemental Budget Ordinances. Changes in this adjustment include transferring two positions from Seattle Department of Information Technology to Seattle Public Utilities.

Technical Adjustments

Expenditures \$(23,155,445)
Position Allocation 0.75

This change increases SPU's staff resourcing by .75 FTE as SPU requests to convert two part-time positions to full-time positions, as well as reduces SPU's budget by \$23.2 million. This change adjusts various operating budgets in the Water, Drainage and Wastewater, Solid Waste and General Funds. The main drivers of change are:
- updated projections for taxes and fees paid by SPU as a result of lower than projected revenues on which these taxes and fees are based (\$9.1 million reduction);

- a reduction in debt service as SPU's bond issuance needs have been reduced due to improved capital planning and revenue projections (\$19.6 million reduction);
- a major service contract payment reduction as SPU updates projections for future contract expenditures (\$1.8 million reduction);
- an increase in city-wide central costs (\$2.7 million);
- an increase in labor-related and central cost expenses to support the department's share of city-wide central services and labor costs (\$5.7 million increase); and
- increases and reductions in miscellaneous activities (net \$1.1 million reduction).

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Expenditure Overview

	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Appropriations				
SPU - BC-SU-C110B - Distribution				
43000 - Water Fund	21,589,637	36,177,685	35,328,077	34,136,663
Total for BSL: BC-SU-C110B	21,589,637	36,177,685	35,328,077	34,136,663
SPU - BC-SU-C120B - Transmission				
43000 - Water Fund	2,605,160	11,897,836	15,408,573	15,612,322
Total for BSL: BC-SU-C120B	2,605,160	11,897,836	15,408,573	15,612,322
SPU - BC-SU-C130B - Watershed Stewardship				
43000 - Water Fund	302,851	1,192,633	173,878	1,289,569
Total for BSL: BC-SU-C130B	302,851	1,192,633	173,878	1,289,569
SPU - BC-SU-C140B - Water Quality & Treatment				
43000 - Water Fund	1,076,427	1,660,000	8,830,000	9,525,000
Total for BSL: BC-SU-C140B	1,076,427	1,660,000	8,830,000	9,525,000
SPU - BC-SU-C150B - Water Resources				
43000 - Water Fund	2,788,762	8,372,108	7,271,497	8,464,008
Total for BSL: BC-SU-C150B	2,788,762	8,372,108	7,271,497	8,464,008
SPU - BC-SU-C160B - Habitat Conservation Program				
43000 - Water Fund	1,377,485	3,023,995	1,953,846	3,488,143
Total for BSL: BC-SU-C160B	1,377,485	3,023,995	1,953,846	3,488,143
SPU - BC-SU-C230B - New Facilities				
45010 - Solid Waste Fund	6,266,584	3,540,947	21,894,979	18,442,478
Total for BSL: BC-SU-C230B	6,266,584	3,540,947	21,894,979	18,442,478
SPU - BC-SU-C240B - Rehabilitation & Heavy Equipment				
45010 - Solid Waste Fund	251,006	325,000	320,000	8,390,000
Total for BSL: BC-SU-C240B	251,006	325,000	320,000	8,390,000
SPU - BC-SU-C333B - Protection of Beneficial Uses				
44010 - Drainage and Wastewater Fund	7,113,683	15,564,660	25,835,358	22,273,994
Total for BSL: BC-SU-C333B	7,113,683	15,564,660	25,835,358	22,273,994
SPU - BC-SU-C350B - Sediments				
44010 - Drainage and Wastewater Fund	4,876,431	3,636,224	4,202,353	3,481,934
Total for BSL: BC-SU-C350B	4,876,431	3,636,224	4,202,353	3,481,934

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SPU - BC-SU-C360B - Combined Sewer Overflows

44010 - Drainage and Wastewater Fund	25,432,288	71,316,167	138,590,582	121,148,094
Total for BSL: BC-SU-C360B	25,432,288	71,316,167	138,590,582	121,148,094

SPU - BC-SU-C370B - Rehabilitation

44010 - Drainage and Wastewater Fund	27,008,384	45,274,242	36,496,483	40,043,724
Total for BSL: BC-SU-C370B	27,008,384	45,274,242	36,496,483	40,043,724

SPU - BC-SU-C380B - Flooding, Sewer Backup & Landslide

44010 - Drainage and Wastewater Fund	8,901,797	16,029,911	42,734,349	37,252,229
Total for BSL: BC-SU-C380B	8,901,797	16,029,911	42,734,349	37,252,229

SPU - BC-SU-C410B - Shared Cost Projects

43000 - Water Fund	29,902,532	49,128,223	28,966,732	37,740,238
44010 - Drainage and Wastewater Fund	22,453,183	77,651,485	58,123,535	41,606,987
45010 - Solid Waste Fund	1,705,168	2,565,757	2,679,057	2,316,622
Total for BSL: BC-SU-C410B	54,060,883	129,345,465	89,769,324	81,663,847

SPU - BC-SU-C510B - Technology

43000 - Water Fund	5,007,982	5,532,370	4,681,350	5,270,996
44010 - Drainage and Wastewater Fund	4,320,167	5,257,430	4,950,900	4,219,076
45010 - Solid Waste Fund	1,295,615	2,083,200	1,567,750	1,709,927
Total for BSL: BC-SU-C510B	10,623,764	12,873,000	11,200,000	11,199,999

SPU - BO-SU-N000B - General Expense

00100 - General Fund	1,639,841	1,993,001	2,067,398	1,716,000
43000 - Water Fund	138,453,007	146,286,052	154,971,225	149,516,395
44010 - Drainage and Wastewater Fund	285,458,254	302,582,003	330,813,450	311,779,496
45010 - Solid Waste Fund	156,223,448	160,092,395	165,109,248	159,208,484
Total for BSL: BO-SU-N000B	581,774,550	610,953,451	652,961,321	622,220,374

SPU - BO-SU-N100B - Leadership and Administration

43000 - Water Fund	52,627,752	55,965,391	57,340,042	66,670,502
44010 - Drainage and Wastewater Fund	45,880,492	54,649,633	56,184,068	63,379,098
45010 - Solid Waste Fund	18,396,167	19,497,166	19,670,615	22,159,431
Total for BSL: BO-SU-N100B	116,904,411	130,112,190	133,194,725	152,209,031

SPU - BO-SU-N200B - Utility Service and Operations

00100 - General Fund	7,539,261	8,048,119	8,498,551	10,035,586
43000 - Water Fund	51,956,243	58,903,676	61,872,544	57,841,531
44010 - Drainage and Wastewater Fund	51,706,238	65,984,667	68,485,314	61,690,540
45010 - Solid Waste Fund	26,765,383	29,606,235	31,094,510	30,980,415

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Total for BSL: BO-SU-N200B	137,967,126	162,542,697	169,950,918	160,548,071
Department Total	1,010,921,228	1,263,838,211	1,396,116,263	1,351,389,482
Department Full-Time Equivalent Total*	1,398.55	1,414.55	1,421.55	1,433.30

** FTE totals are provided for informational purposes only. Changes in FTEs resulting from City Council or Human Resources Director actions outside of the budget process may not be detailed here*

Budget Summary by Fund Seattle Public Utilities

	2018	2019	2020	2020
	Actuals	Adopted	Endorsed	Proposed
00100 - General Fund	9,179,102	10,041,120	10,565,949	11,751,586
43000 - Water Fund	307,687,838	378,139,969	376,797,763	389,555,367
44010 - Drainage and Wastewater Fund	483,150,918	657,946,421	766,416,391	706,875,172
45010 - Solid Waste Fund	210,903,370	217,710,701	242,336,160	243,207,357
Budget Totals for SPU	1,010,921,228	1,263,838,211	1,396,116,263	1,351,389,482

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Revenue Overview

2020 Estimated Revenues

Account Code	Account Name	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
309010	Non-Operating Revenues	13,292,055	309,213	311,267	2,168,045
332020	Build America Bonds Subsidy Pa	1,997,961	1,983,904	2,080,414	2,080,414
334010	State Grants	21,951,342	15,747,358	15,993,658	6,115,000
343110	Retail Water Utility Services	198,116,724	198,315,776	205,027,737	205,027,737
343120	Wholesale Water Sales	70,048,004	57,286,901	58,814,953	58,814,953
343130	Other Utility Operating Rev	4,027,935	2,381,682	2,441,224	2,082,821
343350	Municipal Utility Services	9,632,820	9,707,088	10,035,622	10,035,622
343360	Tap Revenue	7,897,989	7,777,000	7,874,232	7,874,232
360350	Other Rents & Use Charges	623,924	631,132	646,910	656,000
360750	Misc Reimb Adj-Pers & Other	2,056,243	2,164,361	2,218,470	2,620,059
Total Revenues for: 43000 - Water Fund		329,644,998	296,304,415	305,444,487	297,474,883
400000	Use of/Contribution to Fund Balance	(21,957,160)	81,835,554	71,353,276	92,080,484
Total Resources for:43000 - Water Fund		307,687,838	378,139,969	376,797,763	389,555,367
332020	Build America Bonds Subsidy Pa	1,749,474	1,747,993	1,749,474	1,749,474
334010	State Grants	2,547,950	1,932,018	1,736,000	1,736,000
337010	Interlocal Grants	-	500,000	1,598,155	1,598,155
343130	Other Utility Operating Rev	8,737,068	426,607	2,451,359	2,451,359
343140	Wastewater Utility Services	276,598,271	273,069,847	315,295,715	313,051,221
343150	Drainage Utility Services	132,583,613	126,968,005	152,715,507	152,834,790
343160	Side Sewer Permit Fees	1,497,870	1,703,946	1,317,507	3,003,946
343180	Drainage Permit Fees	459,025	285,645	526,683	526,683
360750	Misc Reimb Adj-Pers & Other	2,335,964	1,702,341	2,243,481	2,243,481
379020	Capital Contributions	4,774,582	9,250,044	39,380,969	34,025,878
Total Revenues for: 44010 - Drainage and Wastewater Fund		431,283,818	417,586,446	519,014,850	513,220,987
400000	Use of/Contribution to Fund Balance	51,867,100	240,359,975	247,401,541	193,654,185
Total Resources for:44010 - Drainage and Wastewater Fund		483,150,918	657,946,421	766,416,391	706,875,172
309010	Non-Operating Revenues	-	25,154	628,383	861,924
334010	State Grants	356,605	750,000	750,000	100,000
343200	Solid Waste Utility Services	125,600,523	129,878,917	136,185,611	138,440,326
343210	Transfer Station Charges	72,961,273	70,392,913	77,123,341	78,984,187

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343280	Recycled Materials Rev	8,004,936	7,154,782	5,967,320	1,856,026
360750	Misc Reimb Adj-Pers & Other	1,995,765	1,702,341	2,149,221	2,556,155
Total Revenues for: 45010 - Solid Waste Fund		208,919,102	209,904,106	222,803,876	222,798,618
400000	Use of/Contribution to Fund Balance	1,984,268	7,806,595	19,532,284	20,408,739
Total Resources for:45010 - Solid Waste Fund		210,903,370	217,710,701	242,336,160	243,207,357
Total SPU Resources		1,001,742,125	1,253,797,091	1,385,550,314	1,339,637,896

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Appropriations by Budget Summary Level and Program

SPU - BC-SU-C110B - Distribution

The purpose of the Distribution Budget Summary Level, a Capital Improvement Program funded by water revenues, is to repair and upgrade the City's water lines, pump stations, and other facilities.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Distribution	21,589,637	36,177,685	35,328,077	34,136,663
Total	21,589,637	36,177,685	35,328,077	34,136,663
Full-time Equivalents Total*	79.00	79.00	79.00	79.00

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SPU - BC-SU-C120B - Transmission

The purpose of the Transmission Budget Summary Level, a Capital Improvement Program funded by water revenues, is to repair and upgrade the City's large transmission pipelines that bring untreated water to the treatment facilities, and convey water from the treatment facilities to Seattle and its suburban wholesale customers' distribution systems.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Transmission	2,605,160	11,897,836	15,408,573	15,612,322
Total	2,605,160	11,897,836	15,408,573	15,612,322
Full-time Equivalents Total*	5.00	5.00	5.00	5.00

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SPU - BC-SU-C130B - Watershed Stewardship

The purpose of the Watershed Stewardship Budget Summary Level, a Capital Improvement Program funded by water revenues, is to implement projects associated with the natural land, forestry, and fishery resources within the Tolt, Cedar, and Lake Youngs watersheds.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Watershed Stewardship	302,851	1,192,633	173,878	1,289,569
Total	302,851	1,192,633	173,878	1,289,569
Full-time Equivalents Total*	8.00	8.00	8.00	8.00

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SPU - BC-SU-C140B - Water Quality & Treatment

The purpose of the Water Quality & Treatment Budget Summary Level, a Capital Improvement Program funded by water revenues, is to design, construct, and repair water treatment facilities and remaining open-water reservoirs.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water Quality & Treatment	1,076,427	1,660,000	8,830,000	9,525,000
Total	1,076,427	1,660,000	8,830,000	9,525,000
Full-time Equivalents Total*	14.00	14.00	14.00	14.00

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SPU - BC-SU-C150B - Water Resources

The purpose of the Water Resources Budget Summary Level, a Capital Improvement Program funded by water revenues, is to repair and upgrade water transmission pipelines and promote residential and commercial water conservation.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water Resources	2,788,762	8,372,108	7,271,497	8,464,008
Total	2,788,762	8,372,108	7,271,497	8,464,008
Full-time Equivalents Total*	12.00	12.00	12.00	12.00

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SPU - BC-SU-C160B - Habitat Conservation Program

The purpose of the Habitat Conservation Budget Summary Level, a Capital Improvement Program funded by water revenues, is to manage projects directly related to the Cedar River Watershed Habitat Conservation Plan.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Habitat Conservation Program	1,377,485	3,023,995	1,953,846	3,488,143
Total	1,377,485	3,023,995	1,953,846	3,488,143
Full-time Equivalents Total*	15.00	15.00	15.00	15.00

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SPU - BC-SU-C230B - New Facilities

The purpose of the New Facilities Budget Summary Level, a Capital Improvement Program funded by solid waste revenues, is to design and construct new facilities to enhance solid waste operations.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
New Facilities	6,266,584	3,540,947	21,894,979	18,442,478
Total	6,266,584	3,540,947	21,894,979	18,442,478
Full-time Equivalents Total*	9.00	9.00	9.00	9.00

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SPU - BC-SU-C240B - Rehabilitation & Heavy Equipment

The purpose of the Rehabilitation and Heavy Equipment Budget Summary Level, a Capital Improvement Program funded by solid waste revenues, is to implement projects to repair and rehabilitate the City's solid waste transfer stations and improve management of the City's closed landfills and household hazardous waste sites.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Rehabilitation & Heavy Eqpt	251,006	325,000	320,000	8,390,000
Total	251,006	325,000	320,000	8,390,000

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SPU - BC-SU-C333B - Protection of Beneficial Uses

The purpose of the Protection of Beneficial Uses Budget Summary Level, a Capital Improvement Program funded by drainage revenues, is to make improvements to the City's drainage system to reduce the harmful effects of storm water runoff on creeks and receiving waters by improving water quality and protecting or enhancing habitat.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Protection of Beneficial Uses	7,113,683	15,564,660	25,835,358	22,273,994
Total	7,113,683	15,564,660	25,835,358	22,273,994
Full-time Equivalents Total*	15.00	14.00	14.00	14.00

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SPU - BC-SU-C350B - Sediments

The purpose of the Sediments Budget Summary Level, a Capital Improvement Program funded by drainage and wastewater revenues, is to restore and rehabilitate natural resources in or along Seattle's waterways.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Sediments	4,876,431	3,636,224	4,202,353	3,481,934
Total	4,876,431	3,636,224	4,202,353	3,481,934
Full-time Equivalents Total*	7.00	7.00	7.00	7.00

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SPU - BC-SU-C360B - Combined Sewer Overflows

The purpose of the Combined Sewer Overflow (CSO) Budget Summary Level, a Capital Improvement Program funded by drainage and wastewater revenues, is to plan and construct large infrastructure systems, smaller retrofits, and green infrastructure for CSO Summary.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Combined Sewer Overflows	25,432,288	71,316,167	138,590,582	121,148,094
Total	25,432,288	71,316,167	138,590,582	121,148,094
Full-time Equivalents Total*	30.00	30.00	30.00	30.00

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SPU - BC-SU-C370B - Rehabilitation

The purpose of the Rehabilitation Budget Summary Level, a Capital Improvement Program funded by drainage and wastewater revenues, is to rehabilitate or replace existing drainage and wastewater assets in kind, to maintain the current functionality of the system.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Rehabilitation	27,008,384	45,274,242	36,496,483	40,043,724
Total	27,008,384	45,274,242	36,496,483	40,043,724
Full-time Equivalents Total*	30.00	30.00	30.00	30.00

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SPU - BC-SU-C380B - Flooding, Sewer Backup & Landslide

The purpose of the Flooding, Sewer Back-up, and Landslides Budget Summary Level, a Capital Improvement Program funded by drainage and wastewater revenues, is to plan, design and construct systems aimed at preventing or alleviating flooding and sewer backups in the City of Seattle, protecting public health, safety, and property. This program also protects SPU drainage and wastewater infrastructure from landslides, and makes drainage improvements where surface water generated from City rights-of-way contributes to landslides.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Flooding, Sewer Backup & Lndsl	8,901,797	16,029,911	42,734,349	37,252,229
Total	8,901,797	16,029,911	42,734,349	37,252,229
Full-time Equivalents Total*	25.00	25.00	25.00	25.00

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SPU - BC-SU-C410B - Shared Cost Projects

The purpose of the Shared Cost Projects Budget Summary Level, which is a Capital Improvement Program, is to implement the Water, Drainage and Wastewater, and Solid Waste Utility's share of capital improvement projects that receive funding from multiple SPU funds.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Shared Cost Projects	54,060,883	129,345,465	89,769,324	81,663,847
Total	54,060,883	129,345,465	89,769,324	81,663,847
Full-time Equivalents Total*	95.00	95.00	95.00	95.00

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SPU - BC-SU-C510B - Technology

The purpose of the Technology Budget Summary Level, a Capital Improvement Program, is to make use of technology to increase the Water, Drainage and Wastewater, and Solid Waste Utility's efficiency and productivity.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Technology	10,623,764	12,873,000	11,200,000	11,199,999
Total	10,623,764	12,873,000	11,200,000	11,199,999
Full-time Equivalents Total*	41.00	41.00	41.00	41.00

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SPU - BO-SU-N000B - General Expense

The purpose of the General Expense Budget Summary Level is to provide for the Utility's general expenses such as debt service, taxes and major contracts.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Budget Reserves	-	4,891,654	8,332,924	8,039,526
Capital Purchases	94,676	225,082	229,583	234,175
Debt Service	166,494,702	179,931,914	199,496,319	179,932,891
Major Contracts	284,791,914	288,635,714	294,038,893	292,235,325
Taxes and Fees	130,393,257	137,269,086	150,863,602	141,778,458
Total	581,774,550	610,953,451	652,961,321	622,220,374

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The following information summarizes the programs in General Expense Budget Summary Level:

Budget Reserves

The purpose of the Budget Reserves Program is to appropriate funds to maintain a necessary working reserve for unanticipated expenditures that may develop during the fiscal year. These are important due to the utility need to plan revenue on a six-year horizon.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Budget Reserves	-	4,891,654	8,332,924	8,039,526

Capital Purchases

The purpose of the Capital Purchases Program is to provide appropriation for the utility to purchase equipment that cannot be purchased using bond proceeds.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Capital Purchases	94,676	225,082	229,583	234,175

Debt Service

The purpose of the Debt Service Program is to provide appropriation for new bond issuance costs as well as principal and interest payments on previously issued bonds and loans.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Debt Service	166,494,702	179,931,914	199,496,319	179,932,891

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Major Contracts

The purpose of the Major Contracts Program is to provide appropriation for large service contracts that SPU has with solid waste contractors and for water and wastewater treatment costs.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Major Contracts	284,791,914	288,635,714	294,038,893	292,235,325

Taxes and Fees

The purpose of the Taxes Program is to provide appropriation for payment of city and state taxes.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Taxes and Fees	130,393,257	137,269,086	150,863,602	141,778,458

SPU - BO-SU-N100B - Leadership and Administration

The purpose of the Leadership and Administration Budget Summary Level is to provide overall management and policy direction for Seattle Public Utilities and to provide core management and administrative services like finance, human resources, and facility management.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Citywide Indirect Costs	61,306,514	60,458,559	59,244,798	62,288,719
Departmental Indirect Costs	63,180,667	80,487,925	84,542,640	97,268,012
Divisional Indirect Costs	1,530,056	1,275,796	1,451,280	1,492,703
Indirect Cost Recovery Offset	-	(22,909,895)	(23,958,240)	(20,878,653)
Paid Time Off Indirect Costs	7,292,540	5,048,724	5,197,854	5,656,400
Pooled Benefits Indirect Costs	(16,405,366)	5,751,082	6,716,392	6,381,850
Total	116,904,411	130,112,190	133,194,725	152,209,031
Full-time Equivalents Total*	109.35	108.35	108.35	116.60

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The following information summarizes the programs in Leadership and Administration Budget Summary Level:

Citywide Indirect Costs

The purpose of the Citywide Indirect Costs program is to fund internal services costs originating from outside of the department such as allocated costs from the Department of Finance and Administrative Services and Seattle Information Technology Department.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Citywide Indirect Costs	61,306,514	60,458,559	59,244,798	62,288,719

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Departmental Indirect Costs

The purpose of the Departmental Indirect Costs program is to fund costs associated with management of the department. This may include personnel costs related to department leadership and administration or other administrative costs such as external rent and operating supplies or services.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Departmental Indirect Costs	63,180,667	80,487,925	84,542,640	97,268,012
Full Time Equivalents Total	109.35	108.35	108.35	116.60

Divisional Indirect Costs

The purpose of the Divisional Indirect Costs program is to fund administrative costs generated by sub-departmental units.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Divisional Indirect Costs	1,530,056	1,275,796	1,451,280	1,492,703

Indirect Cost Recovery Offset

The purpose of the Indirect Cost Recovery Offset program is to reflect the adjustment to the Leadership and Administration BSL occurring as a result of the Utility's general and administrative overhead allocation.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Indirect Cost Recovery Offset	-	(22,909,895)	(23,958,240)	(20,878,653)

Paid Time Off Indirect Costs

The purpose of the Paid Time Off program is to fund salary and benefit costs associated with City-provided leave benefits such as holiday pay, sick time, vacation time, executive leave or other leave benefits, including termination payouts for vacation and sick leave.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Paid Time Off Indirect Costs	7,292,540	5,048,724	5,197,854	5,656,400

Pooled Benefits Indirect Costs

The purpose of the Pooled Benefits program is to fund department costs associated with health and dental insurance, workers compensation, and unemployment insurance contributions.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Pooled Benefits Indirect Costs	(16,405,366)	5,751,082	6,716,392	6,381,850

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SPU - BO-SU-N200B - Utility Service and Operations

The purpose of the Utility Service and Operations Budget Summary Level is to fund the direct delivery of essential Customer Service programs and the operating expenses for Pre-Capital Planning & Development, Project Delivery, Drainage and Wastewater, Solid Waste, Water and General Fund programs.

Program Expenditures	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Customer Service	21,311,452	26,106,969	27,240,026	26,781,448
Drainage System	7,341,858	10,102,780	11,209,670	10,475,721
DWW Facilities & Equip	1,322,248	255,672	266,186	789,897
DWW System Operations	18,317,519	22,674,958	23,374,569	19,597,607
Emergency Response	296,702	2,087,079	2,213,981	2,147,041
Engineering	6,039,663	7,045,537	7,331,297	6,529,147
Pre-Capital Planning	3,129,376	4,127,267	4,727,643	4,271,378
Solid Waste Facilities & Equip	4,249,512	5,529,176	5,756,407	6,020,127
Solid Waste Operations	24,234,682	25,361,656	26,757,294	28,070,069
Wastewater System	11,733,085	15,626,505	15,108,382	13,861,807
Water Distribution System	11,803,593	15,908,943	16,699,704	14,252,581
Water Facilities & Equip	2,888,425	3,242,773	3,375,339	-
Water Facilities & Equipment	-	-	-	3,392,850
Water Supply & Transmsn System	6,019,954	5,710,257	6,058,546	5,991,810
Water System Operations	19,279,057	18,763,126	19,831,876	18,366,588
Total	137,967,126	162,542,697	169,950,918	160,548,071
Full-time Equivalents Total*	904.20	922.20	929.20	932.70

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The following information summarizes the programs in Utility Service and Operations Budget Summary Level:

Customer Service

The purpose of the Customer Service Program is to provide appropriation to manage and provide customer service support for the direct delivery of programs and services.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Customer Service	21,311,452	26,106,969	27,240,026	26,781,448
Full Time Equivalents Total	234.00	242.00	249.00	249.00

Drainage System

The purpose of the Drainage System Program is to provide appropriation for maintaining the drainage system, drainage conveyance, stormwater detention and green stormwater infrastructure.

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Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Drainage System	7,341,858	10,102,780	11,209,670	10,475,721

DWW Facilities & Equip

The purpose of the DWW Facilities and Equipment Program is to provide appropriation for drainage and wastewater operating and decant facilities

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
DWW Facilities & Equip	1,322,248	255,672	266,186	789,897

DWW System Operations

The purpose of the DWW System Operations Program is to provide appropriation for drainage and wastewater overall system planning, system modeling and analysis, source control, compliance and outreach and education.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
DWW System Operations	18,317,519	22,674,958	23,374,569	19,597,607

Emergency Response

The Emergency Response Program provides appropriation to procure necessary equipment and provide maintenance and support services in case of emergencies.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Emergency Response	296,702	2,087,079	2,213,981	2,147,041

Engineering

The purpose of the Engineering Program is to provide engineering design and support services, construction inspection, and project management services to capital improvement projects and to the managers of facilities.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Engineering	6,039,663	7,045,537	7,331,297	6,529,147
Full Time Equivalents Total	107.50	106.50	106.50	107.00

Pre-Capital Planning

The purpose of the Pre-Capital Planning Program is to support business case development, project plans, and options analysis. This program will capture all costs associated with a project that need to be expensed during its life cycle, including any post-construction monitoring and landscape maintenance.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Pre-Capital Planning	3,129,376	4,127,267	4,727,643	4,271,378

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Solid Waste Facilities & Equip

The purpose of the Solid Waste Facilities & Equipment Program provides appropriation to maintain and support the solid waste facilities and landfills.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Solid Waste Facilities & Equip	4,249,512	5,529,176	5,756,407	6,020,127

Solid Waste Operations

The purpose of the Solid Waste Operations Program provides appropriation for overall solid waste system planning, operations of the transfer stations, solid waste outreach and management of the Local Hazardous Waste Mitigation Program (LHWMP).

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Solid Waste Operations	24,234,682	25,361,656	26,757,294	28,070,069
Full Time Equivalents Total	85.56	88.56	88.56	91.56

Wastewater System

The Wastewater System Program provides appropriation to maintain wastewater conveyance, pump stations and storage.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Wastewater System	11,733,085	15,626,505	15,108,382	13,861,807
Full Time Equivalents Total	225.05	233.05	233.05	233.05

Water Distribution System

The Water Distribution System Program provides appropriation to maintain water distribution conveyance, pump stations and reservoirs.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water Distribution System	11,803,593	15,908,943	16,699,704	14,252,581
Full Time Equivalents Total	120.09	120.09	120.09	120.09

Water Facilities & Equip

The Water Distribution System Program provides appropriation to maintain water distribution conveyance, pump stations and reservoirs.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water Facilities & Equip	2,888,425	3,242,773	3,375,339	-

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Water Facilities & Equipment

The Water Facilities & Equipment Program provides appropriation to maintain water storage facilities.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water Facilities & Equipment	-	-	-	3,392,850

Water Supply & Transmssn System

The Water Supply and Transmission System Program provides appropriation to operate and maintain the water pipelines, reservoirs and water sheds.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water Supply & Transmssn System	6,019,954	5,710,257	6,058,546	5,991,810

Water System Operations

The Water System Operations Program provides appropriation to plan and monitor the overall water system and water quality lab, and includes the work for the Cedar River Habitat conservation.

Expenditures/FTE	2018 Actuals	2019 Adopted	2020 Endorsed	2020 Proposed
Water System Operations	19,279,057	18,763,126	19,831,876	18,366,588
Full Time Equivalents Total	132.00	132.00	132.00	132.00