

Seattle Public Utilities

Mami Hara, General Manager & CEO

(206) 684-3000

<http://www.seattle.gov/util/>

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, 90 permitted combined sewer overflow outfalls, 295 storm drain outfalls, 189 stormwater quality treatment facilities, 145 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 1.4 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, 30 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

Seattle Public Utilities

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

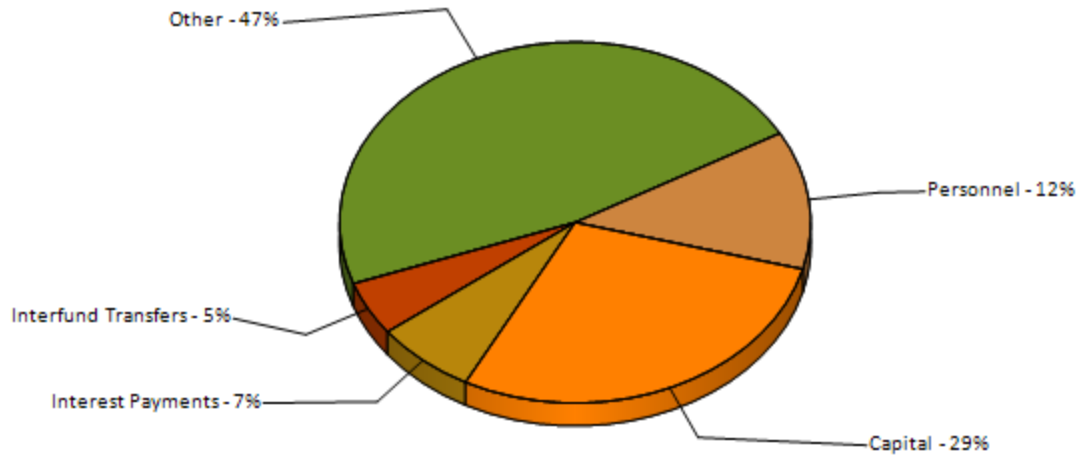
Budget Snapshot

Department Support	2018 Adopted	2019 Proposed	2020 Proposed
General Fund Support	\$9,007,689	\$10,170,047	\$10,623,277
Other Funding - Operating	\$863,845,539	\$893,596,162	\$945,555,177
Total Operations	\$872,853,228	\$903,766,209	\$956,178,454
Other Funding - Capital	\$294,815,866	\$360,229,871	\$440,009,298
Total Capital	\$294,815,866	\$360,229,871	\$440,009,298
Total Appropriations	\$1,167,669,094	\$1,263,996,080	\$1,396,187,752
Full-time Equivalent Total*	1,398.55	1,414.55	1,421.55

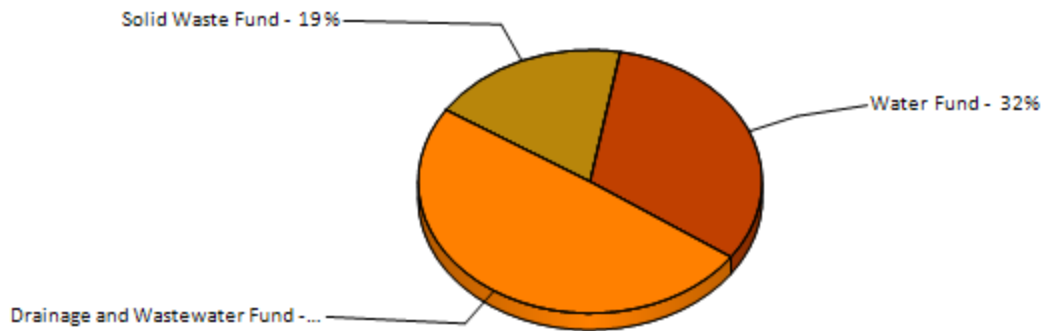
** FTE totals are provided for information purposes only. Changes in FTEs resulting from City Council or Personnel Director actions outside of the budget process may not be detailed here.*

Seattle Public Utilities

2019 Proposed Budget - Expenditure by Category



2019 Proposed Budget - Revenue by Category



Seattle Public Utilities

Budget Overview

The 2019-2020 Proposed Budget for Seattle Public Utilities includes some modifications from the 2018 Adopted Budget that reflect:

- ongoing efforts to implement the updated 2018-2023 Strategic Business Plan;
- new investments customer service and in public blight issues related to homelessness in Seattle; and
- efficiencies, reductions, and deferrals to both the operating and capital budgets.

Strategic Business Plan Overview

In 2017, the City adopted the updated SPU Strategic Business Plan, which guides the department's operations and investments for the period of 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 2019 and 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 11 new positions (11.0 FTE) in order to maintain drainage and wastewater infrastructure, process permit requests for new developments, and to support the department's integrated security system. All of these conversions and bodies of work were assumed in the Strategic Business Plan.

Drainage and Wastewater Highlights

The Drainage and Wastewater Utility provides wastewater and stormwater management services to residences and businesses in Seattle. It is supported almost entirely by utility fees. For wastewater, SPU collects charges based on the metered water usage via the SPU combined utility bill. For drainage, SPU charges fees to Seattle property owners based on property characteristics contributing to stormwater runoff. The drainage fee appears as a line item on King County property tax bills.

Drainage and Wastewater Rates were adopted in July 2015 and reflect an increase in the original expectations in the Strategic Business Plan. SPU submitted proposed drainage and wastewater rates to the City Council in August 2018. Under the proposed rates, for the 2019-2021 period, Drainage rates will grow by 8.0% each year. Wastewater rates will grow 7.5%, 7.4%, and 7.3% in 2019, 2020, and 2021 respectively. These rates include King County treatment rates, which are typically added to rates charged by SPU to cover wastewater and drainage treatment costs. These rate increases are lower than what was initially assumed in the 2018-2023 Strategic Business Plan. Further, these lower rates will reduce the overall rate of increase by 0.1 percentage points from an annual rate of 5.2% assumed in the Strategic Business Plan to a revised rate of 5.1% annually.

Efficiencies, Reductions, and Deferrals: For the 2019-2020 Proposed Budget, the Drainage and Wastewater budget will be reduced by \$16.4 million and includes:

- delaying, by one year, hiring an additional resource for the SPU work on the environmental compliance around stormwater infrastructure;
- delaying, by one year, hiring positions to operate and maintain the Drainage and Wastewater-owned dewatering facility. This delay is driven by a revised CIP timeline for that project that rendered the positions unnecessary in 2019;
- deferring certain CIP projects;
- implementing various efficiencies for travel, training, supplies, and professional services; and
- delaying filling certain vacancies and abrogating long-term vacant positions.

Seattle Public Utilities

None of the efficiencies, reductions, or deferrals are expected to impact services provided to customers and SPU will monitor to assure maintenance of service levels.

The 2019-2024 Proposed CIP revises and adds projects based on Combined Sewer Overflow (CSO) and clean-up efforts, the largest of which is the Ship Canal Water Quality Project. This project will construct a CSO tunnel between Ballard and Wallingford and is a joint project with King County. Please see the accompanying 2019-2024 Proposed CIP document for more information on SPU CIP projects.

Water 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 2019. The remaining revenue is generated by non-rate fees and other sources, including charges and reimbursement services that Water provides on behalf of the City as well as from grants and contributions.

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 2019-2024 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 2.5% in 2019 and 3.7% in 2020 under the 2018-2023 updated Strategic Business Plan.

Efficiencies, Reductions, and Deferrals: For the 2019-2020 Proposed Budget, the Water budget will be reduced by \$5.9 million and includes:

- reducing funding for commissioned studies;
- implementing various efficiencies for travel, training, supplies, and professional services;
- delaying filling certain vacancies and abrogating long-term vacant positions; and
- deferring capital purchases for heavy equipment.

None of the efficiencies, reductions, or deferrals are expected to impact services provided to customers and SPU will monitor to assure maintenance of service levels.

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

The Solid Waste Fund expects long-term demand to remain stable, with a small decline in some sectors through 2019.

Efficiencies, Reductions, and Deferrals: For the 2019-2020 Proposed Budget, the Solid Waste budget will be reduced by \$1.3 million and includes:

- delaying, by one year, funding for a pet waste and diaper study;
- implementing various efficiencies for travel, training, supplies, and professional services; and
- delaying filling certain vacancies and abrogating long-term vacant positions.

Seattle Public Utilities

None of the efficiencies, reductions, or deferrals are expected to impact services provided to customers and SPU will monitor to assure maintenance of service levels.

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 sufficient rate revenues to pay for these costs.

Investment in Customer Services: The 2019-2020 Proposed Budget includes an additional 14.0 FTE and 10.0 temporary employees in the SPU contact center, which handles customer service issues on behalf of both SPU and Seattle City Light (SCL). Various changes including the new customer billing system have slowed response times and have significantly increased call wait times for customers. This investment will help the joint Contact Center improve performance so that customer calls are answered quickly. All of the permanent positions will sunset in 2022, at which point SPU and SCL will be able to submit a proposal for any permanent solutions.

General Fund:

Previously, the General Fund would reimburse the Water Fund, the Drainage and Wastewater Fund, and the Solid Waste Fund for services provided on behalf of the General Fund. Starting in 2018, after implementing the City's new PeopleSoft financial system, SPU receives General Fund appropriations and spends directly out of the General Fund. 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 standardized survey markers throughout Seattle.

Efficiencies, Reductions, and Deferrals: The 2019-2020 Proposed Budget includes approximately \$133,000 in reductions to the SPU General Fund budget to reflect holding a currently vacant manager position vacant for all of 2019. This delay is not expected to affect services provided to customers.

Homeless Investments: The 2019-2020 Proposed Budget will:

- maintain existing programs that address litter issues arising from unsanctioned homeless encampments;
- create new positions (3.0 FTE) where a portion of the costs will be offset by reductions to temporary labor; and
- pilot a new program to reduce trash and litter from illegally parked recreational vehicles (RVs) in the public right-of-way or on Department of Parks and Recreation property.

Existing Homeless Programs: The 2017 and 2018 Adopted Budgets included funding for SPU to pilot three programs related to homeless issues in Seattle. The pilot programs included the Encampment Bag Pilot, the Litter Abatement Pilot, and the Needle Pilot. Under these pilot programs, SPU provided trash removal from encampments, removed litter from the public right of way in neighborhoods that have been 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 pilots in 2017, service levels have expanded, and the proposed budget maintains the expanded service levels. This change includes converting two temporary positions to permanent positions starting in 2019.

New Executive Leadership: The Clean City suite of programs has been operating without a formal program manager for approximately two years. Currently, SPU is providing senior level guidance through the Solid Waste line of business under the guidance of the SPU Chief Administrative Officer. This is an unsustainable structure

Seattle Public Utilities

given the size of the Clean City program and the time required coordinating with the Mayor's Office, the City Council, affected stakeholders, and other City Departments. In order to address this, SPU will be adding a new Executive 2 position that will provide leadership and coordination on this work across the utility.

RV Remediation Pilot: Starting in 2018 and continuing into 2019 and 2020, SPU will pilot a new program to address litter and trash coming from RVs that are illegally parked in the right of way or on Parks property. SPU will lead coordination between the Seattle Police Department, Department of Finance and Administration Services, the Seattle Department of Transportation, and the Department of Parks and Recreation to clear the RVs from the right of way and remove the trash.

Seattle Public Utilities

Incremental Budget Changes

Seattle Public Utilities

	2019		2020	
	Budget	FTE	Budget	FTE
2018 Adopted Budget	\$ 1,167,669,095	1,398.55	\$ 1,167,669,095	1,398.55
Baseline Changes				
Supplemental Budget Changes	\$ 0	1.00	\$ 0	1.00
Proposed Changes				
Clean City Investments	\$ 702,854	3.00	\$ 727,445	3.00
RV Remediation Pilot	\$ 175,309	0.00	\$ 180,568	0.00
Contact Center Investments	\$ 0	7.00	\$ 0	14.00
Sewer Cleaning Crew Conversion	\$ 0	8.00	\$ 0	8.00
Development Services Office Conversion	\$ 0	2.00	\$ 0	2.00
Security System Maintenance Conversion	\$ 47,834	1.00	\$ 49,974	1.00
O&M Efficiencies, Reductions, and Deferrals	-\$ 5,136,028	-6.00	-\$ 4,793,104	-6.00
Capital Changes				
Water Fund Capital Projects	\$ 4,567,420	0.00	-\$ 600,931	0.00
Drainage and Wastewater Capital Projects	\$ 16,058,889	0.00	\$ 72,651,863	0.00
Solid Waste Fund Capital Projects	-\$ 13,630,811	0.00	\$ 1,435,503	0.00
Technology Capital Projects	\$ 1,273,000	0.00	\$ 1,950,000	0.00
CIP Efficiencies, Reductions, and Deferrals	\$ 0	0.00	-\$ 13,840,000	0.00
Proposed Technical Changes				
O&M Technical Adjustments	\$ 35,707,816	0.00	\$ 87,500,042	0.00
CIP Technical Adjustments	\$ 56,899,654	0.00	\$ 83,596,997	0.00
Reduce Fuel Budget	-\$ 338,952	0.00	-\$ 339,700	0.00
Total Incremental Changes	\$ 96,326,985	16.00	\$ 228,518,657	23.00
2019 - 2020 Proposed Budget	\$ 1,263,996,080	1,414.55	\$ 1,396,187,752	1,421.55

Seattle Public Utilities

Descriptions of Incremental Budget Changes

Baseline Changes

Supplemental Budget Changes/1.00 FTE

This adjustment reflects changes made through supplemental budget legislation since the last adopted budget. Supplemental budget legislation is developed by the Executive and adopted by the City Council four times a year to provide for corrections to the adopted budget, unforeseen changes in circumstance, new funding opportunities or new policy priorities. These changes may include additions or reductions in appropriations and FTEs. The first quarter supplemental transferred one position from the Office of Sustainability and Environment to SPU.

Proposed Changes

Clean City Investments - \$702,854/3.00 FTE

This item increases the General Fund budget for the Clean City programs that address public blight in Seattle and includes: maintaining the Encampment Bag Pilot, the Litter Abatement Pilot, and the Needle Pilot as permanent and ongoing programs, adding 1.0 FTE leadership position that will coordinate the increasingly complicated and expanded Clean City programs, and convert two temporary positions to permanent and ongoing positions.

RV Remediation Pilot - \$175,309

This item continues an RV Remediation pilot. In 2018, SPU became the lead on a multidepartmental effort that addresses illegally parked RVs, trash and litter in the public right-of-way and on Department of Parks and Recreation properties. The utility portion of the costs of the pilot in 2019 and 2020 will be, in large part, reimbursed from the Seattle Department of Transportation, which will use proceeds from the sale of the Brickyard Property to pay for the portion of this body of work that is in the public right-of-way.

Contact Center Investments/7.00 FTE

This item adds 7.0 FTE Utility Account Representatives (UARs) and 5.0 FTE temporary UARs in 2019 and would add the same amount in 2020 for a combined total of 14.0 FTE permanent UARs and 10.0 FTE temporary UARs. These additional resources will bring down call wait times at the Contact Center, which have increased significantly since implementing the Customer Information System in 2017.

Sewer Cleaning Crew Conversion/8.00 FTE

This item converts 12 term-limited positions into 8.0 FTE drainage and wastewater collection workers who would provide the same body of work. These positions clean sewer pipes in order to prevent sanitary sewer overflows and to stay within the limits required under SPU's consent decree. These positions will, in the near-term, focus on pipe segments that have not been cleaned in ten years or more, which have the highest likelihood of overflowing.

Development Services Office Conversion/2.00 FTE

This item converts two temporary employees who work on water permits and plan review. This body of work tends to follow the overall development trends in Seattle. As development increases, so do permit requests. These positions will sunset at the end of 2024, at which time there may be revised forecasts about development in Seattle.

Seattle Public Utilities

Security System Maintenance Conversion - \$47,834/1.00 FTE

This item converts a temporary position to a permanent position at SPU that would maintain the components of SPU's integrated security system – approximately 2,200 components. Previously, SPU used a private vendor to respond to service requests on system components. A large portion of the cost of this position is offset by a companion reduction to the professional services budget.

O&M Efficiencies, Reductions, and Deferrals - (\$5,136,028)/(6.00) FTE

This item reduces the 2019-2020 Proposed Budget across all lines of business and funds and includes: deferring or eliminating certain professional services for studies, various reductions to training and travel, reductions to temporary employees, reductions to supplies, delaying hiring on long-term vacancies, and abrogating 6.0 FTE currently vacant positions.

Capital Changes

Water Fund Capital Projects - \$4,567,420

Changes to the Water Fund Capital Improvement Plan (CIP) reflect increases and decreases of capital projects for the 2019-2020 Proposed Budget. Increases include higher cost estimates for feeder mains, new cathodic protection system investments, new land acquisition for the Habitat Conservation Program, additional costs for a power upgrade at the Cedar Falls watershed, and Move Seattle Levy projects. Decreases include a more cost effective design for the Lake Forest Park Reservoir Covering Project and a revised scope and timeline for certain hatchery projects. Please refer to the 2019-2024 Proposed CIP for more detail.

Drainage and Wastewater Capital Projects - \$16,058,889

Changes to the Drainage and Wastewater Fund Capital Improvement Plan (CIP) reflect increases, deferrals and accelerations of capital projects in the 2019-2020 Proposed Budget. Increases are primarily driven by revised project cost estimates for the Ship Canal Water Quality Project, which recently finished a review of costs assumptions and associated risks. Please refer to the 2019-2024 Proposed CIP for more detail.

Solid Waste Fund Capital Projects - (\$13,630,811)

Changes to the Technology Capital Improvement Plan (CIP) reflect increases related to the New Customer Information System, which was implemented in 2017. The increases includes developing the customer portal and analytic tools for the Solid Waste utility. Please refer to the 2018-2023 Adopted CIP for more detail.

Technology Capital Projects - \$1,273,000

Changes to the Technology Capital Improvement Plan (CIP) reflect increases related to the New Customer Information System, which was implemented in 2017. The increases includes developing the customer portal and analytic tools for the Solid Waste Line of Business. Please refer to the 2018-2023 Adopted CIP for more detail.

CIP Efficiencies, Reductions, and Deferrals

This item reduces the 2019-2020 Proposed Budget across drainage and wastewater fund and the water fund and includes deferring sewer and drainage improvements along Dayton Avenue and deferring heavy equipment purchases for the water line of business.

Seattle Public Utilities

Proposed Technical Changes

O&M Technical Adjustments - \$35,707,816

This item includes technical adjustments reflecting increases for taxes, debt service, major service contracts, and labor-related increases as well as the companion indirect costs offsets (decreases) in the Leadership and Administration BSL.

CIP Technical Adjustments - \$56,899,654

This item includes technical adjustments to the 2019-2024 Proposed CIP Budget and reflects changes to various capital projects that align the proposed capital project budgets with the 2018-2023 Strategic Business Plan update that was approved in 2017.

Reduce Fuel Budget - (\$338,952)

Responsive to a request from the Mayor, the department analyzed its historical fuel use to determine whether its fuel budget could be reduced beginning in 2019. The result of this work was approximately \$340,000 annually, or 15%, reduction in its fuel budget. This reduction will not affect the department's ability to maintain business operations.

Seattle Public Utilities

Expenditure Overview

Appropriations	2018 Adopted	2019 Proposed	2020 Proposed
Distribution Budget Summary Level			
Water Fund	35,130,769	36,177,685	35,328,077
Total for BSL: BC-SU-C110B	35,130,769	36,177,685	35,328,077
Transmission Budget Summary Level			
Water Fund	9,661,995	11,897,836	15,408,573
Total for BSL: BC-SU-C120B	9,661,995	11,897,836	15,408,573
Watershed Stewardship Budget Summary Level			
Water Fund	977,486	1,192,633	173,878
Total for BSL: BC-SU-C130B	977,486	1,192,633	173,878
Water Quality & Treatment Budget Summary Level			
Water Fund	2,431,046	1,660,000	8,830,000
Total for BSL: BC-SU-C140B	2,431,046	1,660,000	8,830,000
Water Resources Budget Summary Level			
Water Fund	8,553,244	8,372,108	7,271,497
Total for BSL: BC-SU-C150B	8,553,244	8,372,108	7,271,497
Habitat Conservation Program Budget Summary Level			
Water Fund	1,959,331	3,023,995	1,953,846
Total for BSL: BC-SU-C160B	1,959,331	3,023,995	1,953,846
New Facilities Budget Summary Level			
Solid Waste Fund	3,626,774	3,540,947	21,894,979
Total for BSL: BC-SU-C230B	3,626,774	3,540,947	21,894,979
Rehabilitation & Heavy Equipment Budget Summary Level			
Solid Waste Fund	270,000	325,000	320,000
Total for BSL: BC-SU-C240B	270,000	325,000	320,000

Seattle Public Utilities

Protection of Beneficial Uses Budget Summary Level			
Drainage and Wastewater Fund	11,730,529	15,564,660	25,835,358
Total for BSL: BC-SU-C333B	11,730,529	15,564,660	25,835,358

Sediments Budget Summary Level			
Drainage and Wastewater Fund	6,489,059	3,636,224	4,202,353
Total for BSL: BC-SU-C350B	6,489,059	3,636,224	4,202,353

Combined Sewer Overflows Budget Summary Level			
Drainage and Wastewater Fund	33,329,106	71,316,167	138,590,582
Total for BSL: BC-SU-C360B	33,329,106	71,316,167	138,590,582

Rehabilitation Budget Summary Level			
Drainage and Wastewater Fund	39,088,532	45,274,241	36,496,483
Total for BSL: BC-SU-C370B	39,088,532	45,274,241	36,496,483

Flooding, Sewer Backup & Landslide Budget Summary Level			
Drainage and Wastewater Fund	16,565,889	16,029,911	42,734,349
Total for BSL: BC-SU-C380B	16,565,889	16,029,911	42,734,349

Shared Cost Projects Budget Summary Level			
Drainage and Wastewater Fund	55,645,916	77,651,485	58,123,535
Solid Waste Fund	1,898,321	2,565,757	2,679,057
Water Fund	51,040,422	49,128,223	28,966,732
Total for BSL: BC-SU-C410B	108,584,659	129,345,465	89,769,324

Technology Budget Summary Level			
Drainage and Wastewater Fund	6,198,383	5,257,430	4,950,900
Solid Waste Fund	3,219,967	2,083,200	1,567,750
Water Fund	6,999,097	5,532,369	4,681,349
Total for BSL: BC-SU-C510B	16,417,447	12,872,999	11,199,999

General Expense Budget Summary Level			
Drainage and Wastewater Fund	294,540,994	302,522,465	330,765,702
General Fund	1,846,477	1,993,001	2,067,398

Seattle Public Utilities

Solid Waste Fund	156,739,615	160,344,641	165,175,096
Water Fund	137,590,407	146,007,754	154,721,117
Total for BSL: BO-SU-N000B	590,717,493	610,867,861	652,729,313

Leadership and Administration Budget Summary Level

Drainage and Wastewater Fund	52,940,960	54,721,266	56,264,731
Solid Waste Fund	20,478,104	19,266,008	19,612,059
Water Fund	54,356,797	56,245,307	57,601,643
Total for BSL: BO-SU-N100B	127,775,860	130,232,581	133,478,433

Utility Service and Operations Budget Summary Level

Drainage and Wastewater Fund	59,671,374	65,978,850	68,455,850
General Fund	7,161,212	8,177,046	8,555,879
Solid Waste Fund	28,446,700	29,601,714	31,094,614
Water Fund	59,080,589	58,908,157	61,864,365
Total for BSL: BO-SU-N200B	154,359,875	162,665,767	169,970,708

Department Total	1,167,669,094	1,263,996,080	1,396,187,752
-------------------------	----------------------	----------------------	----------------------

Department Full-time Equivalent Total*	1,398.55	1,414.55	1,421.55
---	-----------------	-----------------	-----------------

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

Seattle Public Utilities

Budget Summary by Fund for SPU

	2018 Adopted	2019 Proposed	2020 Proposed
44010 - Drainage and Wastewater Fund	576,200,741	657,952,698	766,419,842
00100 - General Fund	9,007,689	10,170,047	10,623,277
45010 - Solid Waste Fund	214,679,481	217,727,268	242,343,556
43000 - Water Fund	367,781,183	378,146,067	376,801,077
Budget Totals for SPU	1,167,669,094	1,263,996,080	1,396,187,752

Revenue Overview

2019 Estimated Revenues

Summit Code	Source	2018 Adopted	2019 Proposed	2020 Proposed
360900	CGDB Reimbursements (N2418)	2,159,788	0	0
408000	Capital Grants and Contributions (excluding donated assets)	1,932,018	1,736,000	1,736,000
432212	Build America Bond Interest Income	1,747,993	1,749,474	1,749,474
443210	GIS (N2419)	0	2,869,592	2,948,228
443510	Wastewater Utility Services	273,069,847	290,223,971	315,295,715
443610	Drainage Utility Services	126,968,005	141,449,337	152,715,507
443691	Side Sewer Permit Fees	1,703,946	1,312,891	1,317,507
443694	Drainage Permit Fees	285,645	526,683	526,683
469990	King County Reimbursement	0	15,339,134	39,380,969
469990	Other Operating Revenues	426,607	2,446,743	2,451,359
479010	Operating Grants	500,000	1,598,155	1,598,155
481200	Transfer from Construction Fund	131,432,394	142,484,389	169,466,891
543210	Parks & Other City Depts. (N4405)	74,440	128,465	128,465
543210	ReLeaf reimbursement - SCL	99,602	244,599	244,599
543210	SCL Fund (N4403)	821,265	810,074	810,074
543210	SDOT Fund (N4404)	2,555,941	3,552,370	13,552,370
705000	Call Center Reimbursement from SCL	1,702,341	2,157,193	2,243,481
	Total Drainage and Wastewater Fund	545,479,832	608,629,069	706,165,477
408000	Other Non-Operating Revenue	25,154	650,855	628,383
437010	Operating Fees, Contributions and grants	750,000	750,000	750,000
443450	Recycling Processing Revenues	7,154,782	5,828,808	5,967,320
443710	Commercial Services	60,168,172	63,157,449	65,300,978
443710	Residential Services	129,878,917	130,420,544	136,185,611
443741	Recycling and Disposal Station Charges	10,224,741	11,790,402	11,822,363

Seattle Public Utilities

443745	Comm'l Disposal (Longhaul) Charges	780,267	993,145	1,021,170
469990	Other Operating Revenue	27,177	0	0
481200	Transfers from Construction Fund	0	8,845,643	25,800,241
543210	Revenue Stabilization Subfund	0	1,568,914	-121,513
705000	Call Center Reimbursement from SCL	1,702,341	2,096,801	2,149,221
705000	KC Reimb for Local Hzrd Waste Mgt Prgm	2,836,879	3,212,965	3,379,138
	Total Solid Waste Fund	213,548,429	229,315,527	252,882,913
408000	Other Non-Operating Revenue	448,438	309,213	311,267
432212	Build America Bond Interest Income	1,983,904	1,983,904	2,080,414
443410	Retail Water Sales	197,274,056	198,315,776	205,027,737
443420	GF - Public Fire Hydrant Reimbursement	9,660,773	9,707,088	10,035,622
443420	Wholesale Water Sales	62,639,423	56,939,501	58,467,553
443450	Facilities Charges	450,000	347,400	347,400
443450	Tap Fees	6,746,810	7,777,020	7,874,232
462500	Rentals--Non-City	615,738	631,132	646,910
469990	Other Operating Revenues	2,445,232	2,381,682	2,441,224
469990	Reimbursements for Services for Other Departments	70,050	0	0
479010	Capital Grants and Contributions	12,907,729	15,747,358	15,993,658
481200	Transfers from Construction Fund	65,298,497	81,649,183	86,191,501
587000	Revenue Stabilization Subfund	3,000,000	14,800,000	1,200,000
587000	Revenue Stabilization Subfund - BPA Acct	200,000	100,000	100,000
705000	Call Center Reimbursement from SCL	1,753,928	2,164,361	2,218,470
	Total Water Fund	365,494,578	392,853,618	392,935,988
	Total Revenues	1,124,522,839	1,230,798,214	1,351,984,378
379100	Decrease (Increase) in Working Capital	34,487,102	49,323,629	60,254,365
	Total Drainage and Wastewater Fund	34,487,102	49,323,629	60,254,365
379100	Decrease (Increase) in Working Capital	480,663	-11,588,259	-10,539,357
	Total Solid Waste Fund	480,663	-11,588,259	-10,539,357
379100	Decrease (Increase) in Working Capital	-464,069	-14,707,551	-16,134,911
	Total Water Fund	-464,069	-14,707,551	-16,134,911
	Total Resources	1,159,026,535	1,253,826,033	1,385,564,475

Seattle Public Utilities

Appropriations By Budget Summary Level (BSL) and Program

Distribution Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Distribution	35,130,769	36,177,685	35,328,077
Total	35,130,769	36,177,685	35,328,077
Full-time Equivalents Total*	79.00	79.00	79.00

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

Transmission Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Transmission	9,661,995	11,897,836	15,408,573
Total	9,661,995	11,897,836	15,408,573
Full-time Equivalents Total*	5.00	5.00	5.00

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

Seattle Public Utilities

Watershed Stewardship Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Watershed Stewardship	977,486	1,192,633	173,878
Total	977,486	1,192,633	173,878
Full-time Equivalents Total*	8.00	8.00	8.00

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

Water Quality & Treatment Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Water Quality & Treatment	2,431,046	1,660,000	8,830,000
Total	2,431,046	1,660,000	8,830,000
Full-time Equivalents Total*	14.00	14.00	14.00

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

Water Resources Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Water Resources	8,553,244	8,372,108	7,271,497
Total	8,553,244	8,372,108	7,271,497
Full-time Equivalents Total*	12.00	12.00	12.00

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

Seattle Public Utilities

Habitat Conservation Program Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Habitat Conservation Program	1,959,331	3,023,995	1,953,846
Total	1,959,331	3,023,995	1,953,846
Full-time Equivalents Total*	15.00	15.00	15.00

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

New Facilities Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
New Facilities	3,626,774	3,540,947	21,894,979
Total	3,626,774	3,540,947	21,894,979
Full-time Equivalents Total*	9.00	9.00	9.00

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

Rehabilitation & Heavy Equipment Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Rehabilitation & Heavy Eqpt	270,000	325,000	320,000
Total	270,000	325,000	320,000

Seattle Public Utilities

Protection of Beneficial Uses Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Protection of Beneficial Uses	11,730,529	15,564,660	25,835,358
Total	11,730,529	15,564,660	25,835,358
Full-time Equivalents Total*	15.00	14.00	14.00

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

Sediments Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Sediments	6,489,059	3,636,224	4,202,353
Total	6,489,059	3,636,224	4,202,353
Full-time Equivalents Total*	7.00	7.00	7.00

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

Combined Sewer Overflows Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Combined Sewer Overflows	33,329,106	71,316,167	138,590,582
Total	33,329,106	71,316,167	138,590,582
Full-time Equivalents Total*	30.00	30.00	30.00

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

Seattle Public Utilities

Rehabilitation Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Rehabilitation	39,088,532	45,274,241	36,496,483
Total	39,088,532	45,274,241	36,496,483
Full-time Equivalents Total*	30.00	30.00	30.00

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

Flooding, Sewer Backup & Landslide Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Flooding, Sewer Backup & Lndsl	16,565,889	16,029,911	42,734,349
Total	16,565,889	16,029,911	42,734,349
Full-time Equivalents Total*	25.00	25.00	25.00

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

Seattle Public Utilities

Shared Cost Projects Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Shared Cost Projects	108,584,659	129,345,465	89,769,324
Total	108,584,659	129,345,465	89,769,324
Full-time Equivalents Total*	95.00	95.00	95.00

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

Technology Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Technology	16,417,447	12,872,999	11,199,999
Total	16,417,447	12,872,999	11,199,999
Full-time Equivalents Total*	41.00	41.00	41.00

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

Seattle Public Utilities

General Expense Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Budget Reserves	2,815,146	4,806,065	8,100,908
Capital Purchases	220,668	225,082	229,583
Debt Service	173,597,214	179,931,914	199,496,319
Major Contracts	287,464,335	288,635,714	294,038,901
Taxes and Fees	126,620,130	137,269,086	150,863,602
Total	590,717,493	610,867,861	652,729,313

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

Budget Reserves Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Budget Reserves	2,815,146	4,806,065	8,100,908
Full-time Equivalent Total	0.00	0.00	0.00

Capital Purchases Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Capital Purchases	220,668	225,082	229,583
Full-time Equivalent Total	0.00	0.00	0.00

Debt Service Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Debt Service	173,597,214	179,931,914	199,496,319
Full-time Equivalent Total	0.00	0.00	0.00

Seattle Public Utilities

Major Contracts Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Major Contracts	287,464,335	288,635,714	294,038,901
Full-time Equivalents Total	0.00	0.00	0.00

Taxes and Fees Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Taxes and Fees	126,620,130	137,269,086	150,863,602
Full-time Equivalents Total	0.00	0.00	0.00

Leadership and Administration Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Citywide Indirect Costs	57,941,302	60,458,561	59,244,799
Departmental Indirect Costs	79,615,222	80,190,847	84,358,929
Divisional Indirect Costs	1,330,785	1,556,254	1,723,529
Indirect Cost Offsets	0	-19,218,594	-20,123,647
Paid Time Off Indirect Costs	4,394,978	5,051,238	5,149,340
Pooled Benefits Indirect Costs	-15,506,427	2,194,274	3,125,482
Total	127,775,860	130,232,581	133,478,433
Full-time Equivalents Total*	109.35	108.35	108.35

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

Seattle Public Utilities

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

Citywide Indirect Costs Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Citywide Indirect Costs	57,941,302	60,458,561	59,244,799
Full-time Equivalents Total	0.00	0.00	0.00

Departmental Indirect Costs Program

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 Adopted	2019 Proposed	2020 Proposed
Departmental Indirect Costs	79,615,222	80,190,847	84,358,929
Full-time Equivalents Total	109.35	108.35	108.35

Divisional Indirect Costs Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Divisional Indirect Costs	1,330,785	1,556,254	1,723,529
Full-time Equivalents Total	0.00	0.00	0.00

Indirect Cost Offsets Program

The purpose of the Indirect Cost Recovery program is to recover costs associated with indirect programs within Leadership and Administration BSL from certain direct cost programs. This program does not fully recover Leadership and Administration BSL costs.

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Indirect Cost Offsets	0	-19,218,594	-20,123,647
Full-time Equivalents Total	0.00	0.00	0.00

Seattle Public Utilities

Paid Time Off Indirect Costs Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Paid Time Off Indirect Costs	4,394,978	5,051,238	5,149,340
Full-time Equivalents Total	0.00	0.00	0.00

Pooled Benefits Indirect Costs Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Pooled Benefits Indirect Costs	-15,506,427	2,194,274	3,125,482
Full-time Equivalents Total	0.00	0.00	0.00

Seattle Public Utilities

Utility Service and Operations Budget Summary Level

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 Adopted	2019 Proposed	2020 Proposed
Customer Service	26,566,534	26,099,067	27,231,824
Drainage System	9,310,248	10,102,720	11,209,604
DWW Facilities & Equip	242,107	255,601	266,111
DWW System Operations	21,457,298	22,674,958	23,374,575
Emergency Response	2,708,896	2,087,076	2,213,980
Engineering	6,912,270	7,045,537	7,307,862
Pre-Capital Planning	3,352,443	4,670,026	4,720,155
Solid Waste Facilities & Equip	5,024,550	5,529,176	5,756,408
Solid Waste Operations	23,714,591	25,487,168	26,815,866
Wastewater System	12,926,725	15,075,018	15,106,844
Water Distribution System	14,719,489	15,908,405	16,699,148
Water Facilities & Equip	2,919,215	3,257,662	3,377,931
Water Supply & Transmssn Systm	5,527,805	5,710,232	6,058,522
Water System Operations	18,977,705	18,763,120	19,831,877
Total	154,359,875	162,665,767	169,970,708
Full-time Equivalents Total*	904.20	922.20	929.20

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

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

Customer Service Program

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 Adopted	2019 Proposed	2020 Proposed
Customer Service	26,566,534	26,099,067	27,231,824
Full-time Equivalents Total	234.00	242.00	249.00

Seattle Public Utilities

Drainage System Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Drainage System	9,310,248	10,102,720	11,209,604
Full-time Equivalents Total	0.00	0.00	0.00

DWW Facilities & Equip Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
DWW Facilities & Equip	242,107	255,601	266,111
Full-time Equivalents Total	0.00	0.00	0.00

DWW System Operations Program

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	2018 Adopted	2019 Proposed	2020 Proposed
DWW System Operations	21,457,298	22,674,958	23,374,575
Full-time Equivalents Total	0.00	0.00	0.00

Emergency Response Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Emergency Response	2,708,896	2,087,076	2,213,980
Full-time Equivalents Total	0.00	0.00	0.00

Engineering Program

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 Adopted	2019 Proposed	2020 Proposed
Engineering	6,912,270	7,045,537	7,307,862
Full-time Equivalents Total	107.50	106.50	106.50

Seattle Public Utilities

Pre-Capital Planning Program

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	2018 Adopted	2019 Proposed	2020 Proposed
Pre-Capital Planning	3,352,443	4,670,026	4,720,155
Full-time Equivalents Total	0.00	0.00	0.00

Solid Waste Facilities & Equip Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Solid Waste Facilities & Equip	5,024,550	5,529,176	5,756,408
Full-time Equivalents Total	0.00	0.00	0.00

Solid Waste Operations Program

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 Adopted	2019 Proposed	2020 Proposed
Solid Waste Operations	23,714,591	25,487,168	26,815,866
Full-time Equivalents Total	85.56	88.56	88.56

Wastewater System Program

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

Expenditures/FTE	2018 Adopted	2019 Proposed	2020 Proposed
Wastewater System	12,926,725	15,075,018	15,106,844
Full-time Equivalents Total	225.05	233.05	233.05

Seattle Public Utilities

Water Distribution System Program

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

Expenditures/FTE	2018 Adopted	2019 Proposed	2020 Proposed
Water Distribution System	14,719,489	15,908,405	16,699,148
Full-time Equivalents Total	120.09	120.09	120.09

Water Facilities & Equip Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Water Facilities & Equip	2,919,215	3,257,662	3,377,931
Full-time Equivalents Total	0.00	0.00	0.00

Water Supply & Transmssn System Program

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

Expenditures	2018 Adopted	2019 Proposed	2020 Proposed
Water Supply & Transmssn Systm	5,527,805	5,710,232	6,058,522
Full-time Equivalents Total	0.00	0.00	0.00

Water System Operations Program

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 Adopted	2019 Proposed	2020 Proposed
Water System Operations	18,977,705	18,763,120	19,831,877
Full-time Equivalents Total	132.00	132.00	132.00