

Seattle Public Utilities

Water

Overview

SPU delivers an average of approximately 120 million gallons of drinking water per day to more than 1.3 million people and businesses in Seattle and 18 surrounding cities and water districts, plus the Cascade Water Alliance. The water system infrastructure includes:

- The Cedar and South Fork Tolt supply sources;
- Three groundwater wells;
- Two primary water treatment plants;
- 11 booster chlorination facilities;
- 354.5 million gallons of treated water storage;
- 30 pump stations;
- Approximately 1,900 miles of transmission and distribution system pipelines;
- Over 188,000 meters and service connections;
- More than 21,000 distribution system valves;
- About 18,000 hydrants;
- Monitoring and control systems; and,
- Various buildings and other related facilities.

In addition to replacing and improving the supply, treatment, transmission and distribution systems, the capital program includes investments in watershed stewardship projects, Cedar River Watershed Habitat Conservation Plan implementation, water conservation programs, vehicles, heavy equipment, and technology.

Planned spending in the Water Capital Improvement Program (CIP) is \$395 million over the next six years. Major projects include:

- Seismic retrofits to the correct design flaws at four of the newly buried treated water reservoirs ;
- Morse Lake Pump Plant changes to improve water storage access; and
- Water system improvements associated with transportation projects.

The 2015-2020 Proposed CIP also includes many ongoing programs, such as improving the distribution and transmission system water mains, valves, and pump stations, watershed stewardship and conservation projects and programs, and facilities, vehicles, and heavy equipment investments. By 2017, however, the overall CIP will be reduced, and investments will be substantially focused on rehabilitating and replacing infrastructure for delivery of clean drinking water, with continued watershed stewardship.

SPU funds Water capital projects through a combination of cash and issuance of bonds. The primary source of cash and debt repayment funds come from sale of water charged to retail and wholesale customers in the region. SPU has updated the Water System Plan through 2018, a Washington Department of Health (WDOH) regulatory requirement due every six years.

Summary of Upcoming Budget Issues and Challenges

Two important issues create financial challenges and opportunities for the Water Fund in the future.

Water Conservation: The City of Seattle, Seattle residents, and Seattle’s wholesale water partners have worked together to reduce water consumption. As a result, consumption has declined since 1990 and is projected to further decline but at a slower rate. In 2010, consumption was 33% below 1990 levels, despite serving a larger population. Seattle currently has some of the lowest per capita water consumption in the nation. While this accomplishment helps contribute to a sustainable future for the region, it puts financial pressure on the utility because fixed costs, including the costs of the CIP, need to be distributed across fewer units of water sold. This trend also puts pressure on SPU management and employees to deliver services as efficiently as possible.

Transitioning from Major Projects toward Asset Management: The Water Fund is transitioning from a period of building large capital projects, in response to regulatory requirements, to a time of physical infrastructure rehabilitation. Past investments include water treatment facilities for the Tolt and Cedar water supplies, coverings for seven open reservoirs in response to federal/state regulations, construction of a second pipeline for the Tolt system, and investments to meet federal requirements embodied in the Cedar River Watershed Habitat Conservation Plan (HCP). These investments helped secure the supply and distribution of high-quality drinking water and provide appropriate stewardship of the watersheds consistent with federal and state requirements.

The City of Seattle is now better positioned than many water utilities in the nation in terms of regulatory compliance. Residents, businesses and rate payers will benefit from these investments for years to come. Although the focus will shift from major projects to physical infrastructure rehabilitation, the utility will be paying debt service over the next several budget cycles on the bonds that were issued for major projects.

Against the backdrop of these trends, the 2015-2020 Proposed Water CIP has been developed to:

- Provide for water system modifications associated with various Seattle and regional transportation projects.
- Preserve the transmission and distribution systems, as well as stewardship of the watersheds, to ensure a reliable source of high-quality drinking water;
- Comply with federal and state regulations governing water quality, system reliability, and habitat protection in the watersheds in which SPU operates; and,
- Prioritize projects to deliver on infrastructure and regulatory requirements within the limited resources of the Water Fund.
- Recognize the need to look harder at the water system’s resiliency in a major earthquake event, and begin to make strategic investments to reduce risk.

Thematic Priorities

The overarching goal of the Water CIP is to ensure that the water system is properly maintained, upgraded, and expanded to reliably deliver high-quality, safe drinking water to customers, protect the environment, and comply with regulations. The primary themes driving the CIP in the next six years are asset preservation, health and human safety, environmental sustainability, and race and social justice.

- SPU is committed to making **asset preservation** investments to create or enhance operational efficiency. SPU uses asset management principles to determine the timing of rehabilitation or replacement of its infrastructure. Projects that fall into this category vary, ranging from water main replacement related to transportation projects to decommissioning of steel storage facilities.
- SPU's commitment to **health and human safety** is also addressed through SPU's reservoir covering projects. Consistent with Ordinance 120899 and required by state regulators, SPU has been replacing its open finished drinking water reservoirs with underground structures that will improve water quality and system security. Seismic retrofits are planned for four of the buried reservoirs that have design flaws. SPU plans to decommission Roosevelt Reservoir, and further evaluate the possibility of decommissioning Volunteer Reservoir. However, permanent actions at these two reservoirs are not expected to occur until enough time has elapsed to observe the water system's performance without them. Additionally, by 2019, SPU will begin the planning and design of new covers on the Lake Forest Park and Bitter Lake reservoirs to replace the existing floating covers that will be nearing the end of their useful life.
- SPU is committed to **environmental sustainability**. This can best be seen in SPU's responsibilities as outlined in the 50-year Habitat Conservation Plan (HCP), an agreement between local, state and federal agencies. The HCP seeks to ensure the long-term ecological integrity of the Cedar River Watershed, which supplies the majority of the City's drinking water. It simultaneously addresses the needs of protected wildlife species in and along the Cedar River. Investments in the regional conservation and low-income conservation programs also help in management of our natural resources, while helping customers reduce their utility bills.
- SPU is also committed to **race and social justice**. One example of this commitment is the Low Income Water Conservation Program. This ongoing program provides water use efficiency resources to the City's low-income customers to implement water conservation measures. Typical improvements consist of, but are not limited to, installing water-efficient fixtures, such as aerating showerheads and faucets, low water-use toilets and efficient clothes washers. The program is cooperatively managed by SPU and the City's Human Services Department.

Project Selection Criteria

SPU identifies candidate capital projects from several sources – planning (e.g. comprehensive plans, program plans), external projects and opportunities, and emergencies or other unexpected events. Under SPU’s Asset Management system, projects must be justified through a business case process that establishes that a problem or opportunity is timely and important, and that the proposed solution is superior to alternatives based on a triple bottom line analysis (economic, environmental and social) of life cycle costs and benefits. The process also recognizes that a project may be a “must do” project (e.g. required by regulation).

SPU prioritizes its capital projects into three categories – Priorities 1, 2 and 3, with 1 being the most important and critical. Some projects are part of an externally driven project. Typically, SPU lacks control over the timing of externally driven projects.

Priority rankings are based on the following set of criteria:

- **Regulatory Mandates, Legal Agreements:** The degree to which a project is driven by federal, state, and local laws, permit and regulatory requirements, and consent decrees; as well as by legal agreements with public and private parties. Examples of highly ranked projects in this category include the reservoir covering programs and the Habitat Conservation Program.
- **External Drivers:** SPU’s responsiveness to, or engagement with, projects of other Departments or Jurisdictions, and the specific mandates of the City Council and Mayor. Examples of highly ranked projects in this category include the Alaskan Way Viaduct and Mercer Corridor projects.
- **Infrastructure:** How a project addresses infrastructure conditions or vulnerabilities. Examples of highly ranked projects in this category include the Waterman Rehabilitation, Distribution System Improvements and Tank Improvements programs.
- **Level of Service:** The importance of a project in providing or improving services to customers. Examples of highly ranked projects in this category include the Water Infrastructure – New Taps and Service Renewals programs.
- **Other Factors:** Other important factors include high net present value or cost-effectiveness, social or environmental benefits not otherwise captured, a project already in progress or near completion, limited time opportunity, demonstration projects, community visibility, outside funding. An example of a highly ranked project in this category includes Rattlesnake Lake Sanitary Facilities.

Every project is rated against each criterion. Criteria ratings are then considered in determining an overall project priority ranking, using expert judgment (rather than a formula). Priority rankings for the CIP are determined by the leads for each Line of Business (LOB), with review by key internal stakeholders. The ranking scheme and criteria are the same for all LOBs and are approved by the SPU Director and Asset Management Committee. Project priority rankings are used to clarify and document which projects are most important (and why), to help determine which projects at the margin will be included or excluded (or deferred) from the CIP,

and which projects should receive priority attention if a staff or financial resource constraint should arise.

In recent years, this prioritization process and business case analysis has resulted in decisions to defer some capital projects and retire or downsize some facilities, primarily finished water reservoirs. Retiring facilities reduces capital expenditures since these facilities are in need of major improvements (such as seismic retrofits) that are avoided, as well as reduces annual operating costs since the level of maintenance is greatly reduced. Downsizing or retiring storage facilities is possible because the need for storage has changed over time as the system has been reconfigured, transmission and treatment has become more reliable, and demands, particularly for fire flows, have declined.

Some examples of retirements are:

- Richmond Highlands Tanks (decommissioning the smaller of two): \$1.8 million in capital cost savings;
- Myrtle Tank #1: \$900,000 in capital cost savings;
- Roosevelt Reservoir: \$24 million in capital cost savings;
- Volunteer Reservoir retirement is under consideration (\$25 million in potential capital savings since this reservoir would have to be buried if it were kept in service); and,
- Lincoln, Beacon and West Seattle Reservoirs were downsized based on demand analysis.

Some examples of deferrals are:

- Landsburg Flood Passage Improvements to improve woody debris management and performance during high flood flows at Landsburg Diversion (\$5M): Delayed beyond 2020; and
- Cedar Falls Facilities Development to improve buildings and office space at Cedar Falls Headquarters: Deferral of Phase 2 to beyond 2020.

Aligning Infrastructure with Planned Growth

In its Water System Plan updates, SPU forecasts water demands to meet the growth projections as planned for in Seattle's most recent Comprehensive Plan and ensures that there will be adequate water supply for at least the next 20 years. These growth projections include expected residential and commercial growth into designated Urban Centers and Urban Villages. The 2013 Water System Plan indicates that new sources of supply would not be needed until sometime after 2060.

Growth-based infrastructure needs in Urban Centers and Urban Villages are addressed through specific programs in the Water CIP, including water main extensions, new water connections for new construction, fire flow improvements, and water main rehabilitations. The water distribution system in these areas is fairly robust, and needed improvements are generally located within areas where the land use is changed from single family zoning to a more intensive use needing higher flows for firefighting. Projects containing these improvements are evaluated through a business case process and are prioritized among the other projects in the CIP.

Future Projects/What is on the Horizon

The Water CIP is coming to the end of a 20-year period of investments in major infrastructure projects. These projects have positioned SPU to meet drinking water quality and environmental regulations. Projects have included the Tolt and Cedar Water Treatment Facilities, Tolt Pipeline

2, Reservoir Covering Program, the Cedar River Watershed HCP, and a new Water Quality Laboratory. SPU has also made a major reinvestment in the Supervisory Control and Data Acquisition System which is used to monitor and control the regional and retail water system. However, these investments have also led to increasing debt service payments that constrain future budgets.

The 6-year CIP includes one large project, Morse Lake Pump Plant, and a few special mid-range programs, such as seismic retrofitting of reservoirs, and programs related to transportation projects and improvements to SPU facilities. The Morse Lake Pump Plant project provides for reliable release of water from Morse Lake into the Cedar River. This is necessary to maintain the supply of drinking water to the region and meet regulatory minimums for the amount of “in-stream flows” in the river to support aquatic habitat, wetlands, riparian vegetation, and water quality. Additionally, by 2019, SPU will begin the planning and design of new covers on the Lake Forest Park and Bitter Lake reservoirs to replace the existing floating covers that will have reached the end of their useful life.

As noted above, SPU recognizes the need to look harder at the water system’s resiliency in a major earthquake event, and begin to make strategic investments to reduce risk. SPU will be developing a plan that will define recovery time to agreed levels of service and develop a prioritized list of recommended investments to improve resiliency.

Beyond these projects, emphasis will be on asset management based rehabilitation and replacement of distribution system infrastructure (e.g. mains, valves, hydrants, meters). Example of such projects to date are the 3rd Ave West PRVs project, which installed new pressure reducing valves (PRVs) in the Ballard neighborhood, and the WM Ship Canal Crossing at 3rd Ave West project, which rehabilitates a failing water main (WM) underneath the Ship Canal Bridge. There is significant planning and analysis work involved in applying asset management and determining the appropriate level of CIP versus operating and maintenance work needed for each asset, and shifting the workforce accordingly.

CIP Revenue Sources

SPU’s Water CIP is funded largely by Water ratepayers. About 70% of the Water Fund’s Operating revenues come from retail ratepayers, split approximately evenly between residential and commercial customers. Another 23% of the Water Fund’s overall revenues come from wholesale purveyors who serve surrounding jurisdictions. The remaining 7% consists of non-rate revenue, which includes such things as tap fees received. SPU issues bonds, serviced by ratepayers, which in the current period covers 49% of the CIP, with the remainder funded by cash and loan, i.e.: directly by ratepayer revenue.

SPU actively seeks grants, low interest loans, and other funding sources whenever possible. And, as mentioned above, SPU also receives payments from developers that are intended to offset the cost of installing new taps when they connect newly constructed buildings to the SPU water mains. These “tap fees” are a volatile revenue source, trending with the construction-related sectors of the economy.

CIP Spending by Major Category

(In '000s; total may not sum due to rounding)

Water Fund	2015	2016	2017	2018	2019	2020	Total
DISTRIBUTION	20,713	18,000	21,974	25,041	23,166	23,846	132,739
TRANSMISSION	2,498	3,247	2,055	2,826	2,130	2,914	15,669
WATERSHED STEWARDSHIP	301	551	551	250	250	100	2,003
WATER QUALITY AND TREATMENT	11,417	7,577	234	250	1,430	3,470	24,379
WATER RESOURCES	13,965	23,780	9,480	3,807	3,463	2,856	57,351
HABITAT CONSERVATION	2,604	2,821	2,776	4,766	1,779	2,209	16,954
SHARED COST	21,971	21,214	19,806	16,390	12,897	8,765	101,043
TECHNOLOGY	11,044	8,641	7,178	7,185	5,090	5,423	44,562
Total	84,513	85,831	64,054	60,515	50,204	49,582	394,699

Distribution: Projects and programs in this category relate to rehabilitation and improvements to the City's water mains and appurtenances, pump stations, and other facilities that are part of the system that distributes treated water throughout the City of Seattle to retail customers.

Reductions in the **Distribution BCL** in 2015 compared to amounts adopted in the 2014-2019 CIP, are due primarily to fewer projects identified for Pump Station Improvements, Tank Improvements and Distribution System Improvements (e.g., fire flow improvements). Reductions in 2016 are due primarily to reductions in those same programs, plus reductions in Waterman Rehabilitation. These reductions are proposed to provide capacity to make water system changes associated with transportation projects. In addition, for both years, anticipated increase in demand for New Taps is offset by a decrease in Service Renewals performed by the same work crews.

Transmission: The purpose of this program category is to rehabilitate and improve the City's large transmission pipelines that bring untreated water to the treatment facilities, and convey water from the treatment facilities to Seattle and to other local utilities that purchase a portion of SPU's supply for their customers.

Reductions in the **Transmission BCL** in 2015 and increases in 2016 compared to amounts adopted in the 2014-2019 CIP are due primarily to delaying work on Tolt Pipeline Improvements while engineering studies are being completed. Additional shifts in cash flows are anticipated for

Cathodic Protection as the program moves to bundling projects for design and construction in every other year for more efficient project delivery.

Watershed Stewardship: Projects and programs in this category improve protection of our sources of drinking water, provide habitat protection and restoration, sustain the environment, and enhance environmental quality, both locally and regionally. Most of the projects in this program category are located within the Cedar and Tolt River municipal watersheds. Three of these projects are being carried out in response to the Endangered Species Act's designation of the Chinook salmon as a threatened species.

- The Cedar River Municipal Watershed is 90,638 acres of land owned by the City of Seattle and provides about 70% of the drinking water used by over 1.3 million people in the greater Seattle area. The City of Seattle is required by law to maintain a clean drinking water supply. To that end the City restricts public access and management is guided by a Habitat Conservation Plan. The Cedar River Watershed is an unfiltered surface water supply which produces some of the best water in the world.
- The South Fork Tolt River Watershed is the smaller and lesser known but still essential second supply watershed in SPU's freshwater supply system. Located in the foothills of the Cascades in east King County, it first came on-line in 1964, and since 1989 has also supported a small Seattle City Light hydro-electric facility. The Tolt Treatment Facilities can provide up to 120 million gallons of drinking water per day.

Increases in 2015 and 2016 in the **Watershed Stewardship BCL** are proposed for remediation of identified soil contamination at various locations in the Cedar River Municipal Watershed. Another contribution to the increase in 2015 is for construction of vault toilet facilities at the Rattlesnake Lake Recreation Area, which is less costly than renting portable toilets.

Water Quality and Treatment: The purpose of this program category is to construct, rehabilitate or improve water treatment facilities, and cover the remaining open water reservoirs. State and federal drinking water regulations and public health protection are key drivers of investments in this program category. To comply with regulations, SPU has invested hundreds of millions of dollars in building two new treatment facilities and burying five reservoirs that contain already treated water that is distributed directly to Seattle residents and wholesale customers for drinking purposes.

Increases in 2015 and 2016 in the **Water Quality & Treatment BCL** result from higher cost projections based on recently completed engineering studies for correcting seismic design flaws at four of the newly buried reservoirs.

Water Resources: The purpose of this program category is to manage our water resources to meet anticipated demands and in-stream flow requirements – the amount of water provided to the river to support aquatic habitat, wetlands, riparian vegetation, and water quality – and to promote residential and commercial water conservation. The requirements for in-stream flows are detailed in agreements with state and federal agencies and include provisions for minimum stream flows in the Cedar and South Fork Tolt Rivers. Examples of the types of projects in this category include the Dam Safety Program and the Morse Lake Pump Plant. The Morse Lake Pump Plant is one of the last big investments contemplated in the Water CIP in this decade.

Increases in the **Water Resources BCL** in 2015 and 2016 are a result of two factors. First, the Landsburg Flood Passage Project under the Dam Safety Program has been postponed to

sometime after 2020 because of its lower priority. Second, the cash flow for the Morse Lake Pump Plant has been adjusted to reflect the current design and construction schedule, with no change to the total project cost.

Habitat Conservation Program: This program category includes projects and programs directly related to implementation of the Cedar River Watershed Habitat Conservation Plan. The Habitat Conservation Plan benefits the utility and the ratepayers it serves by providing legal certainty under the Endangered Species Act for the City's continued operations within the Cedar River Watershed, which supplies 70% of the region's drinking water. The Habitat Conservation Program requires SPU to invest \$100 million over 50 years, with \$60 million in the first decade, on approximately 30 capital projects and 60 O&M activities in three areas: management of in-stream flows for people and fish, forest and land conservation activities, and mitigation for the blockage of salmon and steelhead fish as they return to the Cedar River to spawn. The Water Fund's CIP projects in this area are grouped into eight categories:

- Road improvements and decommissioning;
- Stream and riparian restoration;
- Upland forest restoration,
- Landsburg fish passage;
- Cedar River sockeye hatchery;
- Improvements to the Ballard Locks for fish passage and water conservation;
- Fish habitat protection and restoration in the lower Cedar River below the municipal watershed boundary; and
- Evaluation of Cedar permanent dead storage in Chester Morse Lake.

Increases in 2015 and 2016 in the **Habitat Conservation Program BCL** are attributable to earlier than anticipated work at Ballard Locks to help protect downstream migrating fish and for a new project to replace the existing broodstock collection weir on the Cedar River with one that performs better under high river flows to meet the requirements for the Cedar Sockeye Hatchery.

Shared Cost Projects: This program includes individual capital improvement projects which typically benefit multiple lines of business (e.g. the water line of business and the drainage and wastewater line of business) and whose costs are "shared," or paid for, by more than one of SPU's utility funds. In 2015, the Shared Cost program includes funding for a number of interdepartmental projects including continuation of projects initiated under the Bridging the Gap program, Alaskan Way Viaduct and Seawall Replacement, Mercer Corridor and Sound Transit Link Light Rail. Funding is also included for SPU's Heavy Equipment Purchases, the Integrated Control Monitoring Program and a number of smaller projects.

The **Shared Cost Projects BCL** increases in 2015 and 2016. The primary driver for the increase is due to newly identified water main replacement projects associated with projects initiated under the Bridging the Gap program (e.g., SDOT's 23rd Ave Corridor Improvements Project).

Technology: The Technology capital portfolio is managed in six program areas, which provide a department-wide view of technology investments to address SPU's strategic, business, and City-wide priorities. These areas are:

- Customer Contact and Billing
- Enterprise Information Management

- IT Infrastructure
- Project Delivery & Performance
- Science & System Performance
- Asset Information Management

Investments in 2015 and 2016 address SPU's key initiatives, which focus on:

- Improving Internal Controls,
- Improving Productivity and Performance
- Improving Customer Service
- Transitioning from Data Rich to Knowledge Rich
- Improving Project Delivery

SPU will focus technology spending on the highest priority business needs. Increased spending in 2015 reflects major business changes in Project Delivery & Performance driving the need for several new technology systems as well as improved integration of the various systems in place. The decrease in 2016 is mainly due to the completion of the Utility Customer Billing System/CCSS project.

City Council Provisos to the CIP

There are no Council provisos.

Project Summary

BCL/Program Name/ Project Title & ID	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Distribution									C110B
Chamber Upgrades - Distribution (C1137)	103	27	27	28	28	29	29	30	300
Distribution System Improvements (C1128)	4,150	3,530	3,370	2,473	2,533	3,500	4,000	4,500	28,056
Distribution System In-Line Gate Valves (C1136)	728	318	325	331	338	345	351	359	3,095
Multiple Utility Relocation (C1133)	5,359	2,629	1,317	271	563	574	586	597	11,897
Pump Station Improvements (C1135)	251	250	125	700	2,225	125	125	125	3,926
Tank Improvements (C1134)	4,165	116	250	750	500	100	550	850	7,281
Water Infrastructure - Distribution System Modifications (C1138)	41	200	100	102	104	106	108	110	871
Water Infrastructure - Hydrant Replacement/Relocation (C1110)	4,780	371	204	208	212	216	221	225	6,438
Water Infrastructure - New Hydrants (C1112)	521	106	61	25	13	13	13	14	765
Water Infrastructure - New Taps (C1113)	101,231	4,900	6,000	6,120	6,242	6,367	6,495	6,624	143,980
Water Infrastructure - Service Renewal (C1109)	100,763	5,837	4,986	5,086	5,188	5,291	5,397	5,505	138,053
Water Infrastructure - Watermain Extensions (C1111)	13,392	796	812	828	845	862	879	897	19,310
Watermain Rehabilitation (C1129)	6,980	4,426	3,137	1,078	3,182	7,513	4,411	4,010	34,737
Distribution	242,464	23,507	20,713	18,000	21,974	25,041	23,166	23,846	398,711
Transmission									C120B
Cathodic Protection Program (C1208)	735	1,219	1,023	1,040	320	1,060	330	1,080	6,807
Purveyor Meters Replace - SPU (C1206)	1,084	102	200	204	208	213	218	223	2,452
Replace Air Valve Chambers (C1209)	1,648	117	122	125	125	127	130	133	2,526
Transmission Pipelines Rehabilitation (C1207)	3,936	1,376	1,102	1,854	1,377	1,399	1,422	1,445	13,912
Water System Dewatering (C1205)	199	102	50	24	25	27	30	33	490
Transmission	7,602	2,916	2,498	3,247	2,055	2,826	2,130	2,914	26,187

*Amounts in thousands of dollars

2015 - 2020 Adopted Capital Improvement Program

Project Summary

BCL/Program Name/ Project Title & ID	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Watershed Stewardship									C130B
Cedar Bridges (C1307)	1,618	1	1	1	1	250	250	100	2,222
Environmental Stewardship (C1301)	3	0	210	100	100	0	0	0	413
Kerriston Road (C1314)	752	17	0	0	0	0	0	0	769
Tolt Bridges (C1308)	0	0	0	450	450	0	0	0	900
Tolt Watershed Restoration (C1310)	312	6	5	0	0	0	0	0	323
Transmission Right-of-Way Improvements (C1316)	117	20	85	0	0	0	0	0	222
Watershed Stewardship	2,802	44	301	551	551	250	250	100	4,849
Water Quality & Treatment									C140B
Landsburg Chlorination Upgrades (C1417)	0	1,016	0	0	0	0	0	0	1,016
Reservoir Covering-Bitter Lake (C1419)	0	0	0	0	0	0	590	1,790	2,380
Reservoir Covering - Beacon (C1408)	42,405	925	103	5,063	0	0	0	0	48,496
Reservoir Covering - Maple Leaf (C1411)	38,629	5,187	7,036	1,008	0	0	0	0	51,860
Reservoir Covering - Myrtle (C1410)	12,369	315	1,256	1,146	0	0	0	0	15,086
Reservoir Covering - West Seattle (C1409)	35,296	4,020	2,717	10	0	0	0	0	42,043
Reservoir Covering-Lake Forest Park (C1418)	0	0	0	0	0	0	590	1,200	1,790
Treatment Facility/Water Quality Improvements (C1413)	208	100	205	250	234	250	250	480	1,978
Water Quality Equipment (C1414)	249	143	101	100	0	0	0	0	593
Water Quality & Treatment	129,156	11,706	11,417	7,577	234	250	1,430	3,470	165,241
Water Resources									C150B
Dam Safety Program (C1506)	6,721	459	1,025	932	940	800	800	200	11,876
Morse Lake Pump Plant (C1508)	14,948	2,862	9,054	18,232	5,496	0	0	0	50,593
Regional Water Conservation Program (C1504)	19,298	1,803	1,839	1,876	1,914	1,952	1,991	2,031	32,704
Seattle Direct Service Additional Conservation (C1505)	6,402	690	566	577	589	601	613	625	10,662

*Amounts in thousands of dollars

2015 - 2020 Adopted Capital Improvement Program

Project Summary

BCL/Program Name/ Project Title & ID	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Water Supply Flexibility Program (C1507)	333	869	1,480	2,053	0	0	0	0	4,735
Water System Plan - 2019 (C1510)	0	0	0	110	541	454	59	0	1,164
Water Resources	47,702	6,683	13,965	23,780	9,480	3,807	3,463	2,856	111,735
Habitat Conservation Program						BCL/Program Code:			C160B
Ballard Locks Improvements (C1606)	9	0	200	200	200	200	0	536	1,345
Cedar Sockeye Hatchery (C1605)	21,492	205	70	250	444	2,700	130	0	25,291
Downstream Fish Habitat (C1607)	4,991	520	734	795	532	241	0	0	7,813
Instream Flow Management Studies (C1608)	4,917	204	208	212	216	221	225	230	6,433
Stream & Riparian Restoration (C1602)	7,454	394	204	164	165	167	168	169	8,884
Upland Reserve Forest Restoration (C1603)	7,269	283	98	93	95	97	98	100	8,133
Watershed Road Improvement/Decommissioning (C1601)	11,922	1,004	1,090	1,106	1,124	1,140	1,157	1,175	19,718
Habitat Conservation Program	58,053	2,610	2,604	2,821	2,776	4,766	1,779	2,209	77,616
Shared Cost Projects						BCL/Program Code:			C410B
1% for Art – WF (C4118-WF)	1,225	249	171	93	77	81	117	122	2,135
Alaskan Way Viaduct & Seawall Replacement Program - WF (C4102-WF)	6,598	4,682	5,918	3,478	227	727	238	0	21,869
Bridging the Gap - WF (C4119-WF)	6,113	2,604	4,802	5,223	604	500	500	500	20,845
Emergency Storms - WF (C4120-WF)	95	128	100	100	100	100	100	100	823
First Hill Streetcar - WF (C4130-WF)	0	150	1,150	2,500	3,400	1,000	0	0	8,200
Heavy Equipment Purchases - WF (C4116-WF)	8,427	3,803	3,006	2,000	2,000	2,000	2,000	2,000	25,236
Integrated Control Monitoring Program - WF (C4108-WF)	7,385	405	480	480	480	480	480	480	10,670
Mercer Corridor Project East Phase - WF (C4114-WF)	3,428	30	0	0	0	0	0	0	3,458
Mercer Corridor Project West Phase - WF (C4133-WF)	162	455	343	0	0	0	0	0	959
Meter Replacement - WF (C4101-WF)	4,966	634	623	633	643	659	664	674	9,497

**Amounts in thousands of dollars*

2015 - 2020 Adopted Capital Improvement Program

Project Summary

BCL/Program Name/									
Project Title & ID	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Operational Facility - Construction - WF (C4106-WF)	15,195	1,492	753	985	2,620	2,860	4,270	1,680	29,855
Operational Facility - Other - WF (C4115-WF)	973	256	400	350	0	0	0	0	1,979
Operations Control Center - WF (C4105-WF)	4,641	1,630	583	122	431	623	783	415	9,227
Other Major Transportation Projects - WF (C4123-WF)	36	265	0	50	50	300	500	500	1,701
Regional Facility - WF (C4107-WF)	5,437	6,515	5,109	5,750	8,124	6,035	1,870	1,319	40,159
Security Improvements - WF (C4113-WF)	6,228	1,713	1,078	1,050	950	950	1,300	950	14,219
Sound Transit - North Link - WF (C4135-WF)	58	311	516	100	100	75	75	25	1,260
Sound Transit - Water Betterment (C4125)	1,502	50	50	0	0	0	0	0	1,602
Sound Transit – University Link - WF (C4110-WF)	329	137	30	10	0	0	0	0	506
Sound Transit-East Link (C4122-WF)	0	40	53	10	0	0	0	0	103
Yesler Terrace-WF (C4136-WF)	0	200	0	0	0	0	0	0	200
Shared Cost Projects	72,799	25,748	25,164	22,934	19,806	16,390	12,897	8,765	204,502
Technology									BCL/Program Code: C510B
Asset Information Management (C5407)	3,725	1,510	1,048	1,048	1,093	1,120	910	1,042	11,495
Customer Contact & Billing (C5402)	663	4,414	4,384	1,997	1,648	1,689	550	1,100	16,446
Enterprise Information Management (C5403)	66	940	1,043	1,123	484	598	1,150	554	5,957
IT Infrastructure (C5404)	1,630	1,769	990	1,364	858	1,628	968	1,342	10,549
Project Delivery & Performance (C5405)	2,444	1,701	2,698	2,229	2,095	1,229	1,012	885	14,294
Science & System Performance (C5406)	75	272	880	880	1,000	921	500	500	5,029
Technology	8,603	10,607	11,044	8,641	7,178	7,185	5,090	5,423	63,771
Department Total*:	569,180	83,821	87,706	87,551	64,054	60,515	50,204	49,582	1,052,613

*Amounts in thousands of dollars

2015 - 2020 Adopted Capital Improvement Program

Fund Summary

Fund Name & Code	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Water Fund (43000)	569,180	83,821	87,706	87,551	64,054	60,515	50,204	49,582	1,052,613
Department Total*:	569,180	83,821	87,706	87,551	64,054	60,515	50,204	49,582	1,052,613

**Amounts in thousands of dollars*

1% for Art – WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2001
Project ID:	C4118-WF	End Date:	ONGOING
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program provides the Water funding for Seattle Public Utilities' 1% for Arts contribution. Eligibility is determined at the individual project level, with payment occurring from this program. Funds contributed to the 1% for Art program allow the commission, purchase, and installation of art in City-owned properties that are accessible to the public. The Municipal Arts Plan, prepared annually, describes the status of ongoing art projects and establishes the scope of work and allocations for new art projects.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	1,225	249	171	93	77	81	117	122	2,135
Total:	1,225	249	171	93	77	81	117	122	2,135
Fund Appropriations/Allocations									
Water Fund	1,225	249	171	93	77	81	117	122	2,135
Total*:	1,225	249	171	93	77	81	117	122	2,135
O & M Costs (Savings)			21	21	21	21	21	21	128
Spending Plan by Fund									
Water Fund		183	171	93	77	81	117	122	844
Total:		183	171	93	77	81	117	122	844

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

Alaskan Way Viaduct & Seawall Replacement Program - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q1/2004
Project ID:	C4102-WF	End Date:	Q4/2019
Location:	SR 99 / Battery St		
Neighborhood Plan:	In more than one Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This program relocates, replaces, and protects water infrastructure affected by the replacement of the Alaskan Way Viaduct and Seawall. This project encompasses many sub-projects which are collectively known as the “Alaskan Way Viaduct and Seawall Replacement Program” (AWVSR Program.) The Washington State Department of Transportation (WSDOT) is the lead for the SR-99 replacement, while the City of Seattle is the lead on development of the waterfront public space, implementation of the new surface Alaskan Way, and design and construction of the seawall.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	6,598	4,682	5,918	3,478	227	727	238	0	21,869
Total:	6,598	4,682	5,918	3,478	227	727	238	0	21,869
Fund Appropriations/Allocations									
Water Fund	6,598	4,682	5,918	3,478	227	727	238	0	21,869
Total*:	6,598	4,682	5,918	3,478	227	727	238	0	21,869
O & M Costs (Savings)			219	219	219	219	219	219	1,312
Spending Plan by Fund									
Water Fund		5,536	5,918	3,478	227	727	238	0	16,124
Total:		5,536	5,918	3,478	227	727	238	0	16,124

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2015 - 2020 Adopted Capital Improvement Program

Ballard Locks Improvements

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Improved Facility	Start Date:	Q1/2000
Project ID:	C1606	End Date:	Q4/2020
Location:	NW 54th St /30th Ave NW		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	6
Neighborhood District:	Ballard	Urban Village:	Ballard Interbay

This program provides improvements at the Ballard Locks to upgrade conditions for salmon. Improvements are focused on conserving the amount of freshwater needed to operate the locks to reduce the demand for freshwater from the Cedar River and increase the availability of freshwater for salmon. This program is a requirement of the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	9	0	200	200	200	200	0	536	1,345
Total:	9	0	200	200	200	200	0	536	1,345
Fund Appropriations/Allocations									
Water Fund	9	0	200	200	200	200	0	536	1,345
Total*:	9	0	200	200	200	200	0	536	1,345
O & M Costs (Savings)			13	13	13	13	13	13	81

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2015 - 2020 Adopted Capital Improvement Program

Bridging the Gap - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2008
Project ID:	C4119-WF	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This multi-year, multi-project program funds assessments, repairs, and improvements to SPU's drinking water utility infrastructure at sites chosen by the Seattle Department of Transportation (SDOT) for bridge improvements and pedestrian and bicycle safety improvements within its "Bridging the Gap" program. SPU assesses the condition of its utility infrastructure at SDOT's project sites and conducts repairs and improvements as needed.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	6,113	2,604	4,802	5,223	604	500	500	500	20,845
Total:	6,113	2,604	4,802	5,223	604	500	500	500	20,845
Fund Appropriations/Allocations									
Water Fund	6,113	2,604	4,802	5,223	604	500	500	500	20,845
Total*:	6,113	2,604	4,802	5,223	604	500	500	500	20,845
O & M Costs (Savings)			208	208	208	208	208	208	1,251
Spending Plan by Fund									
Water Fund		952	4,802	5,223	604	500	500	500	13,081
Total:		952	4,802	5,223	604	500	500	500	13,081

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2015 - 2020 Adopted Capital Improvement Program

Cathodic Protection Program

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2004
Project ID:	C1208	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program installs corrosion protection systems that prevent external corrosion of water transmission pipelines located in Seattle and throughout King County. The cathodic protection systems extend the life of buried pipelines made of ductile iron, steel, and concrete cylinder pipe.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	735	1,219	1,023	1,040	320	1,060	330	1,080	6,807
Total:	735	1,219	1,023	1,040	320	1,060	330	1,080	6,807
Fund Appropriations/Allocations									
Water Fund	735	1,219	1,023	1,040	320	1,060	330	1,080	6,807
Total*:	735	1,219	1,023	1,040	320	1,060	330	1,080	6,807
O & M Costs (Savings)			68	68	68	68	68	68	408
Spending Plan by Fund									
Water Fund		516	1,023	1,040	320	1,060	330	1,080	5,369
Total:		516	1,023	1,040	320	1,060	330	1,080	5,369

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2015 - 2020 Adopted Capital Improvement Program

Cedar Bridges

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C1307	End Date:	ONGOING
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program replaces aging bridges and related structures, such as abutments, asphalt approaches, and guardrails in the Cedar River Watershed. Projects within this program improve aging bridge assets on priority roads in the watershed transportation system to provide City employees, City contractors, and visitors with safe and adequate access to City water supply and hydroelectric assets while minimizing and reducing environmental impacts over time. Work in this program also maintains compliance with state laws, safety and environmental regulations, and tribal access agreements including Washington Department of Natural Resources (WDNR) forest practice regulations, Washington Department of Health (DOH) Watershed Protection Plan regulations, and Cedar River Habitat Conservation Plan (HCP) restoration commitments.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	1,618	1	1	1	1	250	250	100	2,222
Total:	1,618	1	1	1	1	250	250	100	2,222
Fund Appropriations/Allocations									
Water Fund	1,618	1	1	1	1	250	250	100	2,222
Total*:	1,618	1	1	1	1	250	250	100	2,222
O & M Costs (Savings)			22	22	22	22	22	22	133

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2015 - 2020 Adopted Capital Improvement Program

Cedar Sockeye Hatchery

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	New Facility	Start Date:	Q1/2000
Project ID:	C1605	End Date:	Q2/2016
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program provides a sockeye salmon hatchery to replace the interim hatchery on the Cedar River at Landsburg Dam, and includes a broodstock collection facility in Renton near the I-405 overpass, and a state-of-the-art hatchery facility located near the Landsburg Dam. These facilities are a requirement of the Cedar River Habitat Conservation Plan (HCP).

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	21,492	205	70	250	444	2,700	130	0	25,291
Total:	21,492	205	70	250	444	2,700	130	0	25,291
Fund Appropriations/Allocations									
Water Fund	21,492	205	70	250	444	2,700	130	0	25,291
Total*:	21,492	205	70	250	444	2,700	130	0	25,291
O & M Costs (Savings)			253	253	253	253	253	253	1,517
Spending Plan by Fund									
Water Fund		45	70	250	444	2,700	130	0	3,639
Total:		45	70	250	444	2,700	130	0	3,639

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2015 - 2020 Adopted Capital Improvement Program

Chamber Upgrades - Distribution

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2003
Project ID:	C1137	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	Not in a Neighborhood District	Urban Village:	In more than one Urban Village

This ongoing project improves access to the chambers throughout the water distribution system. The replacement and/or enlargement of the entrance to distribution chambers improves the health and safety of workers who need to access chambers and meets Occupational, Safety, and Health Administration (OSHA) and Washington Safety and Health Administration (WSHA) safety and health requirements.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	103	27	27	28	28	29	29	30	300
Total:	103	27	27	28	28	29	29	30	300
Fund Appropriations/Allocations									
Water Fund	103	27	27	28	28	29	29	30	300
Total*:	103	27	27	28	28	29	29	30	300
O & M Costs (Savings)			3	3	3	3	3	3	18
Spending Plan by Fund									
Water Fund		59	27	28	28	29	29	30	229
Total:		59	27	28	28	29	29	30	229

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

Dam Safety Program

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2008
Project ID:	C1506	End Date:	ONGOING
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program maintains the safety of SPU's water supply dams in the Cedar River and South Fork Tolt River Municipal Watersheds and the in-town reservoir dams. Typical improvements may include, but are not limited to, upgrades to the dams' failure warning systems, spillways, outlet works, piping, and other civil, mechanical, and structural systems. This program ensures the continuing safe functioning, operation and monitoring of SPU's water supply dams and associated facilities per Federal Energy Regulatory Commission (FERC), state and local regulations, and SPU requirements to prevent loss of life and/or property damage and loss of SPU's ability to deliver reliable drinking water supply to its customers.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	6,721	459	1,025	932	940	800	800	200	11,876
Total:	6,721	459	1,025	932	940	800	800	200	11,876
Fund Appropriations/Allocations									
Water Fund	6,721	459	1,025	932	940	800	800	200	11,876
Total*:	6,721	459	1,025	932	940	800	800	200	11,876
O & M Costs (Savings)			119	119	119	119	119	119	713
Spending Plan by Fund									
Water Fund		50	1,025	932	940	800	800	200	4,747
Total:		50	1,025	932	940	800	800	200	4,747

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2015 - 2020 Adopted Capital Improvement Program

Distribution System Improvements

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Improved Facility	Start Date:	Q1/2003
Project ID:	C1128	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program improves service reliability, pressure, capacity, and fire flow in the City's water distribution system. Typical improvements may include, but are not limited to, booster pump station installation, creation of new service zones, and tank elevation or replacement, as well as additional watermain pipelines and pressure reducing valves. These improvements to service levels meet Washington Department of Health (DOH) regulations and SPU's Distribution System Pressure Policy to provide greater than 20 psi service pressure. These improvements provide higher flow of water for fire protection which improves public safety and results in smaller and shorter fires.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,150	3,530	3,370	2,473	2,533	3,500	4,000	4,500	28,056
Total:	4,150	3,530	3,370	2,473	2,533	3,500	4,000	4,500	28,056
Fund Appropriations/Allocations									
Water Fund	4,150	3,530	3,370	2,473	2,533	3,500	4,000	4,500	28,056
Total*:	4,150	3,530	3,370	2,473	2,533	3,500	4,000	4,500	28,056
O & M Costs (Savings)			281	281	281	281	281	281	1,683
Spending Plan by Fund									
Water Fund		1,276	3,370	2,473	2,533	3,500	4,000	4,500	21,651
Total:		1,276	3,370	2,473	2,533	3,500	4,000	4,500	21,651

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

Distribution System In-Line Gate Valves

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/1999
Project ID:	C1136	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing project replaces line valves in the water distribution system throughout the City of Seattle that fail or are obsolete due to age or lack of replacement parts. The replacement of these gate valves extends the useful life of the watermain and restores the performance of the water distribution system. This ongoing project also adds valves within the system to enhance system performance, enhance operational control, and reduce the number of customers whose service is interrupted during a watermain shut down.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	728	318	325	331	338	345	351	359	3,095
Total:	728	318	325	331	338	345	351	359	3,095
Fund Appropriations/Allocations									
Water Fund	728	318	325	331	338	345	351	359	3,095
Total*:	728	318	325	331	338	345	351	359	3,095
O & M Costs (Savings)			31	31	31	31	31	31	186
Spending Plan by Fund									
Water Fund		318	325	331	338	345	351	359	2,366
Total:		318	325	331	338	345	351	359	2,366

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

Downstream Fish Habitat

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2001
Project ID:	C1607	End Date:	Q4/2017
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program provides protection and restoration of fish habitat along the lower Cedar River, below the City's municipal watershed boundary at the Landsburg Dam and includes both acquisition of habitat lands and habitat restoration on the mainstem of the Cedar River. Although this is an ongoing program, no work is currently planned for 2018. This program is a requirement of the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,991	520	734	795	532	241	0	0	7,813
Total:	4,991	520	734	795	532	241	0	0	7,813
Fund Appropriations/Allocations									
Water Fund	4,991	520	734	795	532	241	0	0	7,813
Total*:	4,991	520	734	795	532	241	0	0	7,813
O & M Costs (Savings)			78	78	78	78	78	78	469
Spending Plan by Fund									
Water Fund		220	734	795	532	241	0	0	2,522
Total:		220	734	795	532	241	0	0	2,522

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

Emergency Storms - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Rehabilitation or Restoration	Start Date:	Q3/2007
Project ID:	C4120-WF	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program funds water infrastructure capital improvement projects resulting from previous and possible future storm events. Projects within this program are potentially Federal Emergency Management Agency (FEMA) reimbursable and need to be separated for tracking and reimbursement purposes. Typical improvements include, but are not limited to, repairing and improving roads, bridges, and other stream crossing structures in the City's Municipal Watersheds, as well as replacing damaged equipment, such as pumps and security gates, and stabilizing debris slide areas and stream banks.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	95	128	100	100	100	100	100	100	823
Total:	95	128	100	100	100	100	100	100	823
Fund Appropriations/Allocations									
Water Fund	95	128	100	100	100	100	100	100	823
Total*:	95	128	100	100	100	100	100	100	823
O & M Costs (Savings)			8	8	8	8	8	8	49
Spending Plan by Fund									
Water Fund		259	100	100	100	100	100	100	859
Total:		259	100	100	100	100	100	100	859

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

First Hill Streetcar - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2010
Project ID:	C4130-WF	End Date:	Q4/2017
Location:	First Hill		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This project plans and relocates water facilities that will be impacted by the SDOT-led First Hill Streetcar project, which will connect major employment centers on First Hill to the regional light rail system stations on Capitol Hill and in the International District. It is currently in the planning phase.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	150	1,150	2,500	3,400	1,000	0	0	8,200
Total:	0	150	1,150	2,500	3,400	1,000	0	0	8,200
Fund Appropriations/Allocations									
Water Fund	0	150	1,150	2,500	3,400	1,000	0	0	8,200
Total*:	0	150	1,150	2,500	3,400	1,000	0	0	8,200
O & M Costs (Savings)			82	82	82	82	82	82	492
Spending Plan by Fund									
Water Fund		650	1,150	2,500	3,400	1,000	0	0	8,700
Total:		650	1,150	2,500	3,400	1,000	0	0	8,700

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2015 - 2020 Adopted Capital Improvement Program

Heavy Equipment Purchases - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Investment	Start Date:	ONGOING
Project ID:	C4116-WF	End Date:	ONGOING
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program provides SPU’s Water Utility crews with new and replacement heavy equipment that is used throughout Seattle and King County. Typical purchases include backhoes, graders, loaders, dozers, service trucks, and dump trucks. This equipment transports work crews and tools to jobsites and supports the safe and efficient replacement, repair, and maintenance of infrastructure that delivers high quality drinking water to 1.5 million customers in King County. This project is one of four SPU fund-specific heavy equipment CIP projects.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	8,427	3,803	3,006	2,000	2,000	2,000	2,000	2,000	25,236
Total:	8,427	3,803	3,006	2,000	2,000	2,000	2,000	2,000	25,236
Fund Appropriations/Allocations									
Water Fund	8,427	3,803	3,006	2,000	2,000	2,000	2,000	2,000	25,236
Total*:	8,427	3,803	3,006	2,000	2,000	2,000	2,000	2,000	25,236
O & M Costs (Savings)			253	253	253	253	253	253	1,520
Spending Plan by Fund									
Water Fund		2,592	3,006	2,000	2,000	2,000	2,000	2,000	15,598
Total:		2,592	3,006	2,000	2,000	2,000	2,000	2,000	15,598

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Instream Flow Management Studies

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Improved Facility	Start Date:	Q4/2003
Project ID:	C1608	End Date:	ONGOING
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program provides research and monitoring to examine the effects of instream flows on salmon species in the Cedar River. This program monitors flow compliance, verifies accretion flows downstream of Landsburg, improves flow-switching criteria, and develops a better understanding of relationships between stream flow and aquatic habitat. This program is a requirement of the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,917	204	208	212	216	221	225	230	6,433
Total:	4,917	204	208	212	216	221	225	230	6,433
Fund Appropriations/Allocations									
Water Fund	4,917	204	208	212	216	221	225	230	6,433
Total*:	4,917	204	208	212	216	221	225	230	6,433
O & M Costs (Savings)			64	64	64	64	64	64	386
Spending Plan by Fund									
Water Fund		0	208	212	216	221	225	230	1,313
Total:		0	208	212	216	221	225	230	1,313

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2015 - 2020 Adopted Capital Improvement Program

Integrated Control Monitoring Program - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Investment	Start Date:	Q1/2002
Project ID:	C4108-WF	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program funds improvements to the centralized monitoring and control of the drinking water portion of the overall Supervisory Control and Data Acquisition (SCADA) system infrastructure throughout King County. Infrastructure affected may include, but is not limited to, flow and pressure sensors, remote control pumps, and valves. This program enhances the delivery and quality of drinking water and the delivery of water to fire hydrants, also known as "fire flow."

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	7,385	405	480	480	480	480	480	480	10,670
Total:	7,385	405	480	480	480	480	480	480	10,670
Fund Appropriations/Allocations									
Water Fund	7,385	405	480	480	480	480	480	480	10,670
Total*:	7,385	405	480	480	480	480	480	480	10,670
O & M Costs (Savings)			107	107	107	107	107	107	640
Spending Plan by Fund									
Water Fund		423	480	480	480	480	480	480	3,303
Total:		423	480	480	480	480	480	480	3,303

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2015 - 2020 Adopted Capital Improvement Program

Kerriston Road

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2009
Project ID:	C1314	End Date:	Q4/2013
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project acquires properties adjacent to the lower Cedar River Municipal Watershed that are accessed via Kerriston Road which runs through the lower municipal watershed. Acquisition of these lands minimizes the risk to water quality from access through the watershed by the public. No funding has been requested for the 2013-2018 time frame but once specific acquisitions are identified, appropriate budget authority will be sought.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	752	17	0	0	0	0	0	0	769
Total:	752	17	0	0	0	0	0	0	769
Fund Appropriations/Allocations									
Water Fund	752	17	0	0	0	0	0	0	769
Total*:	752	17	0	0	0	0	0	0	769
O & M Costs (Savings)			8	8	8	8	8	8	46
Spending Plan by Fund									
Water Fund		95	0	0	0	0	0	0	95
Total:		95	0	0	0	0	0	0	95

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Landsburg Chlorination Upgrades

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2011
Project ID:	C1417	End Date:	Q4/2016
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project constructs new sodium hypochlorite (liquid) chlorination facilities at the Landsburg Cedar River Diversion Facilities. The project will enhance safety and site security through replacement of the aging gas chlorine facilities at the site.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	1,016	0	0	0	0	0	0	1,016
Total:	0	1,016	0	0	0	0	0	0	1,016
Fund Appropriations/Allocations									
Water Fund	0	1,016	0	0	0	0	0	0	1,016
Total*:	0	1,016	0	0	0	0	0	0	1,016
O & M Costs (Savings)			12	12	12	12	12	12	71
Spending Plan by Fund									
Water Fund		0	0	0	0	0	0	0	0
Total:		0	0	0	0	0	0	0	0

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Mercer Corridor Project East Phase - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C4114-WF	End Date:	Q4/2014
Location:	South Lake Union		
Neighborhood Plan:	South Lake Union	Council District:	7/3
Neighborhood District:	Lake Union	Urban Village:	South Lake Union

This program funds the repair, relocation, protection, and upgrade of water infrastructure related to the redevelopment of the South Lake Union neighborhood. This effort identifies SPU water system direct impacts, opportunities for system improvements, and cost responsibility. This program also funds planning-level coordination with other City departments on projects within the South Lake Union area.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	3,428	30	0	0	0	0	0	0	3,458
Total:	3,428	30	0	0	0	0	0	0	3,458
Fund Appropriations/Allocations									
Water Fund	3,428	30	0	0	0	0	0	0	3,458
Total*:	3,428	30	0	0	0	0	0	0	3,458
O & M Costs (Savings)			35	35	35	35	35	35	207
Spending Plan by Fund									
Water Fund		87	0	0	0	0	0	0	87
Total:		87	0	0	0	0	0	0	87

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2015 - 2020 Adopted Capital Improvement Program

Mercer Corridor Project West Phase - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2010
Project ID:	C4133-WF	End Date:	Q4/2015
Location:	Mercer ST /Elliot AVE W/Dexter AVE N		
Neighborhood Plan:	In more than one Plan	Council District:	7
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This project provides water utility improvements and relocations related to the Mercer Corridor Project, West phase. Work in this project will convert Mercer Street to a two-way street between Dexter Ave and Elliott Ave West. The Mercer underpass at Aurora Ave will be widened to allow for six travel lanes and a bicycle/pedestrian shared use path between Dexter Ave and 5th Ave North. Roy Street, between Aurora and Queen Anne Ave., will also be converted to a two-way street with on-road bicycle lanes.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	162	455	343	0	0	0	0	0	959
Total:	162	455	343	0	0	0	0	0	959
Fund Appropriations/Allocations									
Water Fund	162	455	343	0	0	0	0	0	959
Total*:	162	455	343	0	0	0	0	0	959
O & M Costs (Savings)			10	10	10	10	10	10	58
Spending Plan by Fund									
Water Fund		332	343	0	0	0	0	0	675
Total:		332	343	0	0	0	0	0	675

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2015 - 2020 Adopted Capital Improvement Program

Meter Replacement - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2004
Project ID:	C4101-WF	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program funds replacement of existing water meters when they fail or become obsolete. Meters measuring up to two inches are replaced when they stop running. Meters measuring three inches or more are repaired when possible, but are replaced when repair costs exceed replacement costs. Accurate water meters ensure that customers are billed fairly for the water they use. Since water meters also are used to bill customers for their wastewater discharges, 48 percent of the funding is allocated to the Drainage and Wastewater line of business.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,966	634	623	633	643	659	664	674	9,497
Total:	4,966	634	623	633	643	659	664	674	9,497
Fund Appropriations/Allocations									
Water Fund	4,966	634	623	633	643	659	664	674	9,497
Total*:	4,966	634	623	633	643	659	664	674	9,497
O & M Costs (Savings)			95	95	95	95	95	95	570
Spending Plan by Fund									
Water Fund		579	623	633	643	659	664	674	4,476
Total:		579	623	633	643	659	664	674	4,476

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Morse Lake Pump Plant

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	Improved Facility	Start Date:	Q1/2003
Project ID:	C1508	End Date:	Q4/2017
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project includes funding to replace the existing barge-mounted pump plants at Chester Morse Lake. The pump plants at Chester Morse Lake are nearing the end of their useful lives. These pumps are designed for drought situations to access so-called "dead storage" at the lake, which is at or below the level that drains by gravity. The improvements enhance the ability to provide reliable water supply and in-stream flows in the Cedar River during drought conditions and to address requirements of the Habitat Conservation Plan. Most pre-2012 costs are deferred costs that will be amortized over ten years.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	14,948	2,862	9,054	18,232	5,496	0	0	0	50,593
Total:	14,948	2,862	9,054	18,232	5,496	0	0	0	50,593
Fund Appropriations/Allocations									
Water Fund	14,948	2,862	9,054	18,232	5,496	0	0	0	50,593
Total*:	14,948	2,862	9,054	18,232	5,496	0	0	0	50,593
O & M Costs (Savings)			506	506	506	506	506	506	3,036
Spending Plan by Fund									
Water Fund		2,584	9,054	18,232	5,496	0	0	0	35,366
Total:		2,584	9,054	18,232	5,496	0	0	0	35,366

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Multiple Utility Relocation

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2007
Project ID:	C1133	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program provides funding for necessary modifications to the location and depth of water pipes when they come into conflict with street improvements or other utility projects. The benefit is continued water service to customers while accommodating transportation and other needs in the street right-of-way.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	5,359	2,629	1,317	271	563	574	586	597	11,897
Total:	5,359	2,629	1,317	271	563	574	586	597	11,897
Fund Appropriations/Allocations									
Water Fund	5,359	2,629	1,317	271	563	574	586	597	11,897
Total*:	5,359	2,629	1,317	271	563	574	586	597	11,897
O & M Costs (Savings)			119	119	119	119	119	119	714
Spending Plan by Fund									
Water Fund		849	1,317	271	563	574	586	597	4,757
Total:		849	1,317	271	563	574	586	597	4,757

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2015 - 2020 Adopted Capital Improvement Program

Operational Facility - Construction - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2004
Project ID:	C4106-WF	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing facilities program renovates, rehabilitates, and replaces existing buildings and constructs new facilities at various locations within the city limits to address deficiencies, failures, and functional changes in the SPU Lines of Business. Typical improvements include, but are not limited to, roof replacements, exterior wall or cladding replacements, and improvements to administrative office space, crew and shop space, lighting, heating and ventilation systems, and facilities structures. These improvements increase the useful life of the facilities, preserve the value of the assets, and provide a safe working environment.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	15,195	1,492	753	985	2,620	2,860	4,270	1,680	29,855
Total:	15,195	1,492	753	985	2,620	2,860	4,270	1,680	29,855
Fund Appropriations/Allocations									
Water Fund	15,195	1,492	753	985	2,620	2,860	4,270	1,680	29,855
Total*:	15,195	1,492	753	985	2,620	2,860	4,270	1,680	29,855
O & M Costs (Savings)			299	299	299	299	299	299	1,791
Spending Plan by Fund									
Water Fund		1,398	753	985	2,620	2,860	4,270	1,680	14,565
Total:		1,398	753	985	2,620	2,860	4,270	1,680	14,565

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2015 - 2020 Adopted Capital Improvement Program

Operational Facility - Other - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q4/2006
Project ID:	C4115-WF	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing facilities program provides funding to purchase, replace, or install new building materials or building equipment within the city limits to address deficiencies, failures, and functional changes in the SPU Lines of Business. Typical improvements include, but are not limited to, water systems, prefabricated buildings, storage buildings, and fencing. Specific projects have been identified through 2016. As future projects are identified, necessary funding will be requested.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	973	256	400	350	0	0	0	0	1,979
Total:	973	256	400	350	0	0	0	0	1,979
Fund Appropriations/Allocations									
Water Fund	973	256	400	350	0	0	0	0	1,979
Total*:	973	256	400	350	0	0	0	0	1,979
O & M Costs (Savings)			20	20	20	20	20	20	119
Spending Plan by Fund									
Water Fund		24	400	350	0	0	0	0	774
Total:		24	400	350	0	0	0	0	774

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2015 - 2020 Adopted Capital Improvement Program

Operations Control Center - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2003
Project ID:	C4105-WF	End Date:	ONGOING
Location:	2700 Airport Way S		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	2
Neighborhood District:	Greater Duwamish	Urban Village:	Duwamish

This ongoing facilities program renovates, rehabilitates, and replaces existing buildings and constructs new facilities at the Operations Control Center located at 2700 Airport Way South to improve the efficiency and effectiveness of the field crews delivering utility services to customers. Typical improvements include, but are not limited to, roof and other exterior replacements, improvements to public spaces, office and crew spaces and lighting, and heating and ventilation systems. These improvements increase the useful life of the facility, preserve the value of the asset, and provide a safe work and public space environment.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,641	1,630	583	122	431	623	783	415	9,227
Total:	4,641	1,630	583	122	431	623	783	415	9,227
Fund Appropriations/Allocations									
Water Fund	4,641	1,630	583	122	431	623	783	415	9,227
Total*:	4,641	1,630	583	122	431	623	783	415	9,227
O & M Costs (Savings)			92	92	92	92	92	92	554
Spending Plan by Fund									
Water Fund		1,089	583	122	431	623	783	415	4,044
Total:		1,089	583	122	431	623	783	415	4,044

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2015 - 2020 Adopted Capital Improvement Program

Other Major Transportation Projects - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Rehabilitation or Restoration	Start Date:	Q2/2008
Project ID:	C4123-WF	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program funds Water projects that mitigate undesirable impacts and take advantage of opportunities generated by the capital transportation projects of the Washington State Department of Transportation (WSDOT) and the Seattle Department of Transportation (SDOT) throughout the City. Work may include, but is not limited to, physically protecting the infrastructure during the transportation construction process, repairing and replacing damaged infrastructure, and improving existing infrastructure to meet higher standards. Project sites may include, but are not limited to, State Route 520, Interstate 5, and Interstate 90.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	36	265	0	50	50	300	500	500	1,701
Total:	36	265	0	50	50	300	500	500	1,701
Fund Appropriations/Allocations									
Water Fund	36	265	0	50	50	300	500	500	1,701
Total*:	36	265	0	50	50	300	500	500	1,701
O & M Costs (Savings)			17	17	17	17	17	17	102
Spending Plan by Fund									
Water Fund		19	0	50	50	300	500	500	1,419
Total:		19	0	50	50	300	500	500	1,419

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

Pump Station Improvements

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q3/2008
Project ID:	C1135	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program makes improvements to water pump stations by replacing electric motors, starters, control systems, and other elements. The benefit is improved reliability of water pump stations which in turn reduces the likelihood of large scale water outages.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	251	250	125	700	2,225	125	125	125	3,926
Total:	251	250	125	700	2,225	125	125	125	3,926
Fund Appropriations/Allocations									
Water Fund	251	250	125	700	2,225	125	125	125	3,926
Total*:	251	250	125	700	2,225	125	125	125	3,926
O & M Costs (Savings)			39	39	39	39	39	39	236

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2015 - 2020 Adopted Capital Improvement Program

Purveyor Meters Replace - SPU

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2000
Project ID:	C1206	End Date:	ONGOING
Location:	Regional		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program installs new meters for Seattle's wholesale customers at the customer's request. In addition, existing meters are upgraded to current safety standards. The benefits are accurate metering and billing for Seattle's wholesale customers while meeting their water needs.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	1,084	102	200	204	208	213	218	223	2,452
Total:	1,084	102	200	204	208	213	218	223	2,452
Fund Appropriations/Allocations									
Water Fund	1,084	102	200	204	208	213	218	223	2,452
Total*:	1,084	102	200	204	208	213	218	223	2,452
O & M Costs (Savings)			25	25	25	25	25	25	147
Spending Plan by Fund									
Water Fund		350	200	204	208	213	218	223	1,616
Total:		350	200	204	208	213	218	223	1,616

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2015 - 2020 Adopted Capital Improvement Program

Regional Facility - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C4107-WF	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing facilities program renovates, rehabilitates, replaces existing buildings, and constructs new facilities at various locations outside the city limits to address deficiencies, failures, and functional changes in the drinking water system.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	5,437	6,515	5,109	5,750	8,124	6,035	1,870	1,319	40,159
Total:	5,437	6,515	5,109	5,750	8,124	6,035	1,870	1,319	40,159
Fund Appropriations/Allocations									
Water Fund	5,437	6,515	5,109	5,750	8,124	6,035	1,870	1,319	40,159
Total*:	5,437	6,515	5,109	5,750	8,124	6,035	1,870	1,319	40,159
O & M Costs (Savings)			402	402	402	402	402	402	2,410
Spending Plan by Fund									
Water Fund		7,630	5,109	5,750	8,124	6,035	1,870	1,319	35,837
Total:		7,630	5,109	5,750	8,124	6,035	1,870	1,319	35,837

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2015 - 2020 Adopted Capital Improvement Program

Regional Water Conservation Program

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	Improved Facility	Start Date:	Q1/1999
Project ID:	C1504	End Date:	ONGOING
Location:	Citywide Plus Wholesale		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program provides customer incentives for residential, commercial, institutional, and industrial water efficiency capital improvements. Typical examples include, but are not limited to, water efficient toilets and urinals, clothes washers, landscape irrigation devices, upgrades in industrial process water, and replacing water-cooled equipment with air-cooled versions. The program benefits both existing and future ratepayers. Water conservation provides low-cost options for meeting potential challenges from climate change, managing Seattle's drinking water resources, and customer efficiency and potential cost savings on water bills.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	19,298	1,803	1,839	1,876	1,914	1,952	1,991	2,031	32,704
Total:	19,298	1,803	1,839	1,876	1,914	1,952	1,991	2,031	32,704
Fund Appropriations/Allocations									
Water Fund	19,298	1,803	1,839	1,876	1,914	1,952	1,991	2,031	32,704
Total*:	19,298	1,803	1,839	1,876	1,914	1,952	1,991	2,031	32,704
O & M Costs (Savings)			327	327	327	327	327	327	1,962
Spending Plan by Fund									
Water Fund		1,859	1,839	1,876	1,914	1,952	1,991	2,031	13,462
Total:		1,859	1,839	1,876	1,914	1,952	1,991	2,031	13,462

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2015 - 2020 Adopted Capital Improvement Program

Replace Air Valve Chambers

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q3/1999
Project ID:	C1209	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing project improves access to the chambers located throughout the transmission water system. The replacement and enlargement of the entrance to transmission chambers increase the safety for workers that need to enter the chambers twice per year.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	1,648	117	122	125	125	127	130	133	2,526
Total:	1,648	117	122	125	125	127	130	133	2,526
Fund Appropriations/Allocations									
Water Fund	1,648	117	122	125	125	127	130	133	2,526
Total*:	1,648	117	122	125	125	127	130	133	2,526
O & M Costs (Savings)			25	25	25	25	25	25	152
Spending Plan by Fund									
Water Fund		78	122	125	125	127	130	133	840
Total:		78	122	125	125	127	130	133	840

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2015 - 2020 Adopted Capital Improvement Program

Reservoir Covering-Bitter Lake

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2019
Project ID:	C1419	End Date:	Q4/2020
Location:	N 143rd St and Linden Ave N		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	5
Neighborhood District:	Northwest	Urban Village:	Not in an Urban Village

This project addresses the need for a new cover on Bitter Lake Reservoir once the existing floating cover has reached the end of its useful life. Replacing the existing structure with a new hard covered structure within the same footprint will be one of the options considered. A new cover will be designed and constructed to improve and maintain the water quality protection and security enhancement functions of the existing cover.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	0	0	0	0	0	590	1,790	2,380
Total:	0	0	0	0	0	0	590	1,790	2,380
Fund Appropriations/Allocations									
Water Fund	0	0	0	0	0	0	590	1,790	2,380
Total*:	0	0	0	0	0	0	590	1,790	2,380
O & M Costs (Savings)			0	0	0	0	24	24	48

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2015 - 2020 Adopted Capital Improvement Program

Reservoir Covering - Beacon

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2001
Project ID:	C1408	End Date:	Q4/2016
Location:	S Spokane St/Beacon Ave S		
Neighborhood Plan:	North Beacon Hill	Council District:	2
Neighborhood District:	Greater Duwamish	Urban Village:	Not in an Urban Village

This project will construct a 50 million gallon reinforced concrete buried reservoir in compliance with new state and federal regulations and improves water quality as well as the security of the drinking water system. It is part of the reservoir burying program which was adopted by Ordinance 120899 in August 2002.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	42,405	925	103	5,063	0	0	0	0	48,496
Total:	42,405	925	103	5,063	0	0	0	0	48,496
Fund Appropriations/Allocations									
Water Fund	42,405	925	103	5,063	0	0	0	0	48,496
Total*:	42,405	925	103	5,063	0	0	0	0	48,496
O & M Costs (Savings)			485	485	485	485	485	485	2,910
Spending Plan by Fund									
Water Fund		1,076	103	5,063	0	0	0	0	6,242
Total:		1,076	103	5,063	0	0	0	0	6,242

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2015 - 2020 Adopted Capital Improvement Program

Reservoir Covering - Maple Leaf

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q4/2001
Project ID:	C1411	End Date:	Q2/2016
Location:	NE 86th St/Roosevelt Wy NE		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	5
Neighborhood District:	North	Urban Village:	Not in an Urban Village

This project will construct a 60 million gallon, dual-cell, reinforced concrete buried reservoir in compliance with new state and federal regulations. This effort improves water quality and the security of the drinking water system. It is part of the Reservoir burying program which was adopted by Ordinance 120899 in August 2002.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	38,629	5,187	7,036	1,008	0	0	0	0	51,860
Total:	38,629	5,187	7,036	1,008	0	0	0	0	51,860
Fund Appropriations/Allocations									
Water Fund	38,629	5,187	7,036	1,008	0	0	0	0	51,860
Total*:	38,629	5,187	7,036	1,008	0	0	0	0	51,860
O & M Costs (Savings)			519	519	519	519	519	519	3,112
Spending Plan by Fund									
Water Fund		1,315	7,036	1,008	0	0	0	0	9,359
Total:		1,315	7,036	1,008	0	0	0	0	9,359

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2015 - 2020 Adopted Capital Improvement Program

Reservoir Covering - Myrtle

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q4/2001
Project ID:	C1410	End Date:	Q4/2016
Location:	SW Myrtle St/35th Ave SW		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	1
Neighborhood District:	Southwest	Urban Village:	Not in an Urban Village

This project will construct a 5 million gallon reinforced concrete buried reservoir in compliance with new state and federal regulations. This effort improves water quality and the security of the drinking water system. It is part of the Reservoir burying program which was adopted by Ordinance 120899 in August 2002.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	12,369	315	1,256	1,146	0	0	0	0	15,086
Total:	12,369	315	1,256	1,146	0	0	0	0	15,086
Fund Appropriations/Allocations									
Water Fund	12,369	315	1,256	1,146	0	0	0	0	15,086
Total*:	12,369	315	1,256	1,146	0	0	0	0	15,086
O & M Costs (Savings)			151	151	151	151	151	151	905
Spending Plan by Fund									
Water Fund		158	1,256	1,146	0	0	0	0	2,559
Total:		158	1,256	1,146	0	0	0	0	2,559

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2015 - 2020 Adopted Capital Improvement Program

Reservoir Covering - West Seattle

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q4/2001
Project ID:	C1409	End Date:	Q1/2015
Location:	SW Henderson St/8th Ave SW		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	1
Neighborhood District:	Delridge	Urban Village:	Not in an Urban Village

This project will construct a 30 million gallon reinforced concrete buried reservoir in compliance with new state and federal regulations. This effort improves water quality and the security of the drinking water system. It is part of the Reservoir burying program which was adopted by Ordinance 120899 in August 2002.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	35,296	4,020	2,717	10	0	0	0	0	42,043
Total:	35,296	4,020	2,717	10	0	0	0	0	42,043
Fund Appropriations/Allocations									
Water Fund	35,296	4,020	2,717	10	0	0	0	0	42,043
Total*:	35,296	4,020	2,717	10	0	0	0	0	42,043
O & M Costs (Savings)			420	420	420	420	420	420	2,523
Spending Plan by Fund									
Water Fund		2,305	2,717	10	0	0	0	0	5,032
Total:		2,305	2,717	10	0	0	0	0	5,032

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2015 - 2020 Adopted Capital Improvement Program

Reservoir Covering-Lake Forest Park

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2019
Project ID:	C1418	End Date:	Q4/2020
Location:			
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Outside Seattle City	Urban Village:	Not in an Urban Village

This project addresses the need for a new cover on Lake Forest Park Reservoir once it has reached the end of its useful life. The project will evaluate options for a new cover, including replacing the existing floating Hypolan cover with a similar design. A new cover will be designed and constructed to maintain and improve the water quality protection and security enhancement functions of the existing cover.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	0	0	0	0	0	590	1,200	1,790
Total:	0	0	0	0	0	0	590	1,200	1,790
Fund Appropriations/Allocations									
Water Fund	0	0	0	0	0	0	590	1,200	1,790
Total*:	0	0	0	0	0	0	590	1,200	1,790
O & M Costs (Savings)			0	0	0	0	18	18	36

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2015 - 2020 Adopted Capital Improvement Program

Seattle Direct Service Additional Conservation

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	Improved Facility	Start Date:	Q1/2001
Project ID:	C1505	End Date:	ONGOING
Location:	Citywide & Direct Service		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program provides water use efficiency resources to the City's low-income customers to implement water conservation measures authorized by Ordinance 120532, adopted in 2001, and supplements funding provided under SPU's Regional Water Conservation Program (C1504). Typical improvements consist of, but are not limited to, installing water-efficient fixtures, such as aerating showerheads and faucets, low water use toilets and efficient clothes washers. The program is cooperatively managed by SPU and the City's Human Services Department and requires an annual report to be provided to Council.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	6,402	690	566	577	589	601	613	625	10,662
Total:	6,402	690	566	577	589	601	613	625	10,662
Fund Appropriations/Allocations									
Water Fund	6,402	690	566	577	589	601	613	625	10,662
Total*:	6,402	690	566	577	589	601	613	625	10,662
O & M Costs (Savings)			107	107	107	107	107	107	640
Spending Plan by Fund									
Water Fund		574	566	577	589	601	613	625	4,145
Total:		574	566	577	589	601	613	625	4,145

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2015 - 2020 Adopted Capital Improvement Program

Security Improvements - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2005
Project ID:	C4113-WF	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program funds physical, integrated security system components on water infrastructure throughout the City. Components may include, but are not limited to, fences, gates, access control card readers, intercoms, lighting, door and hatch contacts, CCTV cameras, motion detection devices, and fiber and conduit. This program enhances protection of SPU's critical infrastructure and addresses vulnerabilities identified in U.S. Environmental Protection Agency (EPA) mandated vulnerability assessments.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	6,228	1,713	1,078	1,050	950	950	1,300	950	14,219
Total:	6,228	1,713	1,078	1,050	950	950	1,300	950	14,219
Fund Appropriations/Allocations									
Water Fund	6,228	1,713	1,078	1,050	950	950	1,300	950	14,219
Total*:	6,228	1,713	1,078	1,050	950	950	1,300	950	14,219
O & M Costs (Savings)			142	142	142	142	142	142	853
Spending Plan by Fund									
Water Fund		1,036	1,078	1,050	950	950	1,300	950	7,314
Total:		1,036	1,078	1,050	950	950	1,300	950	7,314

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2015 - 2020 Adopted Capital Improvement Program

Sound Transit - North Link - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q1/2012
Project ID:	C4135-WF	End Date:	Q4/2020
Location:	Various		
Neighborhood Plan:	In more than one Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This program funds relocation, replacement, and protection of water infrastructure affected by the development of Sound Transit's Link Light Rail System. Sound Transit is constructing the third segment of their electrical light rail transit system that includes 4.3 mile light rail extension, three additional stations, and other supporting facilities from the University of Washington to Northgate.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	58	311	516	100	100	75	75	25	1,260
Total:	58	311	516	100	100	75	75	25	1,260
Fund Appropriations/Allocations									
Water Fund	58	311	516	100	100	75	75	25	1,260
Total*:	58	311	516	100	100	75	75	25	1,260
O & M Costs (Savings)			13	13	13	13	13	13	76
Spending Plan by Fund									
Water Fund		788	516	100	100	75	75	25	1,680
Total:		788	516	100	100	75	75	25	1,680

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2015 - 2020 Adopted Capital Improvement Program

Sound Transit - Water Betterment

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2014
Project ID:	C4125	End Date:	Q4/2015
Location:	Central & South areas of Seattle		
Neighborhood Plan:	In more than one Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This project funds improvements to watermains and appurtenances (hydrants, valves, coatings, cathodic protection, etc.) affected by the development of Sound Transit's Light Rail System. These improvements are "opportunity" projects that become available and are cost effective as Sound Transit constructs Light Rail and rebuilds the street right-of-way. This project covers Sound Transit's alignment within SPU's service area, including the South Link to SeaTac International Airport, the University Link, and the North Link towards Northgate.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	1,502	50	50	0	0	0	0	0	1,602
Total:	1,502	50	50	0	0	0	0	0	1,602
Fund Appropriations/Allocations									
Water Fund	1,502	50	50	0	0	0	0	0	1,602
Total*:	1,502	50	50	0	0	0	0	0	1,602
O & M Costs (Savings)			16	16	16	16	16	16	96

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Sound Transit – University Link - WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q1/2007
Project ID:	C4110-WF	End Date:	Q2/2016
Location:	Various		
Neighborhood Plan:	In more than one Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This program funds relocation, replacement, and protection of water system infrastructure affected by the development of Sound Transit's Link Light Rail System. Sound Transit is constructing the second segment of their electrical light rail transit system that includes 3.15 miles of tunnel, two additional stations, and other supporting facilities from downtown to the University of Washington.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	329	137	30	10	0	0	0	0	506
Total:	329	137	30	10	0	0	0	0	506
Fund Appropriations/Allocations									
Water Fund	329	137	30	10	0	0	0	0	506
Total*:	329	137	30	10	0	0	0	0	506
O & M Costs (Savings)			5	5	5	5	5	5	30
Spending Plan by Fund									
Water Fund		111	30	10	0	0	0	0	151
Total:		111	30	10	0	0	0	0	151

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2015 - 2020 Adopted Capital Improvement Program

Sound Transit-East Link

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q2/2013
Project ID:	C4122-WF	End Date:	Q4/2015
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program funds relocation, replacement, and protection of water infrastructure affected by the development of Sound Transit's Link Light Rail System. Sound Transit is constructing the next segment of their electrical light rail transit system that includes 14 mile light rail extension, 10 additional stations total (one in Seattle) and other supporting facilities from the International District (ID) across I-90 to Bellevue/Redmond.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	40	53	10	0	0	0	0	103
Total:	0	40	53	10	0	0	0	0	103
Fund Appropriations/Allocations									
Water Fund	0	40	53	10	0	0	0	0	103
Total*:	0	40	53	10	0	0	0	0	103
O & M Costs (Savings)			1	1	1	1	1	1	6
Spending Plan by Fund									
Water Fund		53	53	10	0	0	0	0	115
Total:		53	53	10	0	0	0	0	115

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2015 - 2020 Adopted Capital Improvement Program

Stream & Riparian Restoration

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Rehabilitation or Restoration	Start Date:	Q2/2000
Project ID:	C1602	End Date:	ONGOING
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program provides stream and riparian restoration in the Cedar River Watershed, including large woody debris placement, riparian conifer underplanting, and culvert replacement for fish passage and peak storm flows. This program is a requirement under the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	7,454	394	204	164	165	167	168	169	8,884
Total:	7,454	394	204	164	165	167	168	169	8,884
Fund Appropriations/Allocations									
Water Fund	7,454	394	204	164	165	167	168	169	8,884
Total*:	7,454	394	204	164	165	167	168	169	8,884
O & M Costs (Savings)			89	89	89	89	89	89	533
Spending Plan by Fund									
Water Fund		375	204	164	165	167	168	169	1,411
Total:		375	204	164	165	167	168	169	1,411

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2015 - 2020 Adopted Capital Improvement Program

Tank Improvements

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2008
Project ID:	C1134	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program implements water quality, seismic, and other improvements to steel water tanks in Seattle. Functional water tanks are essential to public health protection as they assure that the distribution system is under pressure at all times, even when pump stations or control valves malfunction. Depressurization of the water system may result in siphoning back contaminants from faulty private systems and from the ground into the water pipes.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,165	116	250	750	500	100	550	850	7,281
Total:	4,165	116	250	750	500	100	550	850	7,281
Fund Appropriations/Allocations									
Water Fund	4,165	116	250	750	500	100	550	850	7,281
Total*:	4,165	116	250	750	500	100	550	850	7,281
O & M Costs (Savings)			73	73	73	73	73	73	437
Spending Plan by Fund									
Water Fund		1	250	750	500	100	550	850	3,001
Total:		1	250	750	500	100	550	850	3,001

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2015 - 2020 Adopted Capital Improvement Program

Tolt Bridges

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2004
Project ID:	C1308	End Date:	ONGOING
Location:	Tolt River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program replaces aging bridges on forest roads in the Tolt River Watershed, including Chuck Judd Creek Bridge and Siwash Creek Bridge. It improves aging bridge assets in the watershed transportation system to provide City employees, City contractors, and visitors with safe and adequate access to City water supply and hydroelectric assets while minimizing and reducing environmental impacts over time. This program maintains compliance with state laws and safety and environmental regulations, including Washington Department of Natural Resources (WDNR) forest practice regulations and Washington Department of Health (DOH) Watershed Protection Plan regulations.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	0	0	450	450	0	0	0	900
Total:	0	0	0	450	450	0	0	0	900
Fund Appropriations/Allocations									
Water Fund	0	0	0	450	450	0	0	0	900
Total*:	0	0	0	450	450	0	0	0	900
O & M Costs (Savings)			0	9	9	9	9	9	45

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

Tolt Watershed Restoration

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2009
Project ID:	C1310	End Date:	Q4/2020
Location:	Tolt River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program provides aquatic and riparian restoration, and funds improvements and decommissioning of the road system in the Tolt River Municipal Watershed. This program improves Tolt Watershed management practices to be consistent with the land management practices in the Cedar River Watershed, the City's other primary water supply watershed. Projects are based upon recommendations of the 2011 Tolt Watershed Management Plan.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	312	6	5	0	0	0	0	0	323
Total:	312	6	5	0	0	0	0	0	323
Fund Appropriations/Allocations									
Water Fund	312	6	5	0	0	0	0	0	323
Total*:	312	6	5	0	0	0	0	0	323
O & M Costs (Savings)			3	3	3	3	3	3	19
Spending Plan by Fund									
Water Fund		15	5	0	0	0	0	0	20
Total:		15	5	0	0	0	0	0	20

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2015 - 2020 Adopted Capital Improvement Program

Transmission Pipelines Rehabilitation

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2005
Project ID:	C1207	End Date:	ONGOING
Location:	Regional		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This program rehabilitates and upgrades water pipes and associated structures in the City of Seattle's transmission system. It assists SPU in providing agreed-upon pressure and flow for wholesale customers, limiting drinking water supply outages, and meeting applicable regulatory requirements of the Washington Department of Health (DOH).

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	3,936	1,376	1,102	1,854	1,377	1,399	1,422	1,445	13,912
Total:	3,936	1,376	1,102	1,854	1,377	1,399	1,422	1,445	13,912
Fund Appropriations/Allocations									
Water Fund	3,936	1,376	1,102	1,854	1,377	1,399	1,422	1,445	13,912
Total*:	3,936	1,376	1,102	1,854	1,377	1,399	1,422	1,445	13,912
O & M Costs (Savings)			139	139	139	139	139	139	835
Spending Plan by Fund									
Water Fund		814	1,102	1,854	1,377	1,399	1,422	1,445	9,414
Total:		814	1,102	1,854	1,377	1,399	1,422	1,445	9,414

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2015 - 2020 Adopted Capital Improvement Program

Transmission Right-of-Way Improvements

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2012
Project ID:	C1316	End Date:	Q4/2014
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project provides drainage and vegetation improvements within and adjacent to water transmission rights-of-way and in the Lake Youngs Reserve. These improvements will reduce long-term maintenance costs, contribute to worker safety, and reduce sediment delivery adjacent waterways.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	117	20	85	0	0	0	0	0	222
Total:	117	20	85	0	0	0	0	0	222
Fund Appropriations/Allocations									
Water Fund	117	20	85	0	0	0	0	0	222
Total*:	117	20	85	0	0	0	0	0	222
O & M Costs (Savings)			2	2	2	2	2	2	13
Spending Plan by Fund									
Water Fund		0	85	0	0	0	0	0	85
Total:		0	85	0	0	0	0	0	85

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

2015 - 2020 Adopted Capital Improvement Program

Treatment Facility/Water Quality Improvements

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2007
Project ID:	C1413	End Date:	ONGOING
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program provides construction of various smaller scale water quality and treatment facility rehabilitation and improvement projects that may develop on short notice over the course of each year. It enhances SPU's ability to address water system improvement needs that relate to public health protection and drinking water regulatory compliance.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	208	100	205	250	234	250	250	480	1,978
Total:	208	100	205	250	234	250	250	480	1,978
Fund Appropriations/Allocations									
Water Fund	208	100	205	250	234	250	250	480	1,978
Total*:	208	100	205	250	234	250	250	480	1,978
O & M Costs (Savings)			20	20	20	20	20	20	119
Spending Plan by Fund									
Water Fund		220	205	250	234	250	250	480	1,889
Total:		220	205	250	234	250	250	480	1,889

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2015 - 2020 Adopted Capital Improvement Program

Upland Reserve Forest Restoration

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Rehabilitation or Restoration	Start Date:	Q2/2000
Project ID:	C1603	End Date:	ONGOING
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program provides upland forest restoration in the Cedar River Watershed, including ecological and restoration thinning, conifer planting, forest inventory and modeling, and species monitoring. This program is a requirement under the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	7,269	283	98	93	95	97	98	100	8,133
Total:	7,269	283	98	93	95	97	98	100	8,133
Fund Appropriations/Allocations									
Water Fund	7,269	283	98	93	95	97	98	100	8,133
Total*:	7,269	283	98	93	95	97	98	100	8,133
O & M Costs (Savings)			81	81	81	81	81	81	488
Spending Plan by Fund									
Water Fund		192	98	93	95	97	98	100	773
Total:		192	98	93	95	97	98	100	773

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Water Infrastructure - Hydrant Replacement/Relocation

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q4/1998
Project ID:	C1110	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program renews or replaces existing hydrants in the City's water distribution system. In general, hydrant renewal or replacement may occur as a result of hydrant malfunction, catastrophic failure due to vehicle damage, or to meet SPU criticality criteria such as spacing, location, cost, opportunity projects, or flow and pressure problems. This program improves access to fire hydrants for the Seattle Fire Department (SFD) and helps to reduce the damage as a result of fire by locating fire hydrants in alternate or additional locations.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	4,780	371	204	208	212	216	221	225	6,438
Total:	4,780	371	204	208	212	216	221	225	6,438
Fund Appropriations/Allocations									
Water Fund	4,780	371	204	208	212	216	221	225	6,438
Total*:	4,780	371	204	208	212	216	221	225	6,438
O & M Costs (Savings)			64	64	64	64	64	64	386
Spending Plan by Fund									
Water Fund		200	204	208	212	216	221	225	1,486
Total:		200	204	208	212	216	221	225	1,486

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2015 - 2020 Adopted Capital Improvement Program

Water Infrastructure - New Hydrants

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	New Facility	Start Date:	Q2/1999
Project ID:	C1112	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program installs new hydrants in the City's water distribution system. In general, new hydrants are installed to meet service requests made by private property owners and to comply with Washington Administrative Code (WAC) or Seattle Fire Department (SFD) requirements. This program helps to reduce the damage as a result of fire by locating new fire hydrants throughout the City's direct service area.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	521	106	61	25	13	13	13	14	765
Total:	521	106	61	25	13	13	13	14	765
Fund Appropriations/Allocations									
Water Fund	521	106	61	25	13	13	13	14	765
Total*:	521	106	61	25	13	13	13	14	765
O & M Costs (Savings)			8	8	8	8	8	8	46
Spending Plan by Fund									
Water Fund		106	61	25	13	13	13	14	245
Total:		106	61	25	13	13	13	14	245

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Water Infrastructure - New Taps

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	New Facility	Start Date:	Q4/1998
Project ID:	C1113	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program installs new drinking water services throughout the City of Seattle. This program provides new connections to existing water mains with no interruption of service to adjacent existing customers, and the installation of metered water service lines from the new tap to the new customer's property lines. This program meets City responsibility for new service connections in the Seattle Municipal Code (SMC) to provide reliable drinking water supply to customers.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	101,231	4,900	6,000	6,120	6,242	6,367	6,495	6,624	143,980
Total:	101,231	4,900	6,000	6,120	6,242	6,367	6,495	6,624	143,980
Fund Appropriations/Allocations									
Water Fund	101,231	4,900	6,000	6,120	6,242	6,367	6,495	6,624	143,980
Total*:	101,231	4,900	6,000	6,120	6,242	6,367	6,495	6,624	143,980
O & M Costs (Savings)			1,440	1,440	1,440	1,440	1,440	1,440	8,639
Spending Plan by Fund									
Water Fund		6,000	6,000	6,120	6,242	6,367	6,495	6,624	43,849
Total:		6,000	6,000	6,120	6,242	6,367	6,495	6,624	43,849

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Water Infrastructure - Service Renewal

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q4/1998
Project ID:	C1109	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program replaces existing plastic or galvanized water services in the City's water distribution system. Service replacement may occur as a result of leaking, failing, or to reduce damage in case of failure of the water service. This program improves Seattle's water system and extends the life of the system.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	100,763	5,837	4,986	5,086	5,188	5,291	5,397	5,505	138,053
Total:	100,763	5,837	4,986	5,086	5,188	5,291	5,397	5,505	138,053
Fund Appropriations/Allocations									
Water Fund	100,763	5,837	4,986	5,086	5,188	5,291	5,397	5,505	138,053
Total*:	100,763	5,837	4,986	5,086	5,188	5,291	5,397	5,505	138,053
O & M Costs (Savings)			1,381	1,381	1,381	1,381	1,381	1,381	8,283
Spending Plan by Fund									
Water Fund		5,837	4,986	5,086	5,188	5,291	5,397	5,505	37,290
Total:		5,837	4,986	5,086	5,188	5,291	5,397	5,505	37,290

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2015 - 2020 Adopted Capital Improvement Program

Water Infrastructure - Watermain Extensions

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	New Facility	Start Date:	Q1/1998
Project ID:	C1111	End Date:	ONGOING
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program assists developers by adding new water mains to the water system in order to serve new residential and commercial developments. Most of the costs are recovered through standard charges. The benefit of this program is that water service is provided to new housing and businesses throughout Seattle.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	13,392	796	812	828	845	862	879	897	19,310
Total:	13,392	796	812	828	845	862	879	897	19,310
Fund Appropriations/Allocations									
Water Fund	13,392	796	812	828	845	862	879	897	19,310
Total*:	13,392	796	812	828	845	862	879	897	19,310
O & M Costs (Savings)			193	193	193	193	193	193	1,159
Spending Plan by Fund									
Water Fund		796	812	828	845	862	879	897	5,919
Total:		796	812	828	845	862	879	897	5,919

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2015 - 2020 Adopted Capital Improvement Program

Water Quality Equipment

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C1414	End Date:	Q4/2015
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project installs water quality monitoring equipment throughout the drinking water distribution system and enhances SPU's drinking water quality, security, and public health surveillance system. This effort will improve Seattle's ability to detect and respond appropriately to potential drinking water contamination events as recommended by research produced by SPU and the Environmental Protection Agency (EPA) for online monitoring equipment and SPU's broader efforts to increase the security of the water system.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	249	143	101	100	0	0	0	0	593
Total:	249	143	101	100	0	0	0	0	593
Fund Appropriations/Allocations									
Water Fund	249	143	101	100	0	0	0	0	593
Total*:	249	143	101	100	0	0	0	0	593
O & M Costs (Savings)			6	6	6	6	6	6	36

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

Water Supply Flexibility Program

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	New Investment	Start Date:	Q1/2008
Project ID:	C1507	End Date:	Q4/2016
Location:	Multiple		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program improves water system performance, reliability, and flexibility during severe weather events, supply and infrastructure emergencies, as well as enhancing environmental performance for fish and supporting regulatory and policy compliance in these areas. Project improvements include Tolt Reservoir Temperature and the Overflow Dike in Chester Morse Lake, and may include but are not limited to, dam integrity and alternatives to improved crest control, reservoir water temperature, and water quality management.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	333	869	1,480	2,053	0	0	0	0	4,735
Total:	333	869	1,480	2,053	0	0	0	0	4,735
Fund Appropriations/Allocations									
Water Fund	333	869	1,480	2,053	0	0	0	0	4,735
Total*:	333	869	1,480	2,053	0	0	0	0	4,735
O & M Costs (Savings)			47	47	47	47	47	47	284
Spending Plan by Fund									
Water Fund		0	1,480	2,053	0	0	0	0	3,533
Total:		0	1,480	2,053	0	0	0	0	3,533

**This detail is for information only. Funds are appropriated in the budget at the Budget Control Level. Amounts are in thousands of dollars.*

Water System Dewatering

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2007
Project ID:	C1205	End Date:	ONGOING
Location:	Regional		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program improves structures used to empty the water from larger pipelines when necessary for inspection or repair. The new structures better control the impact of the water discharged to the environment and comply with current environmental regulations.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	199	102	50	24	25	27	30	33	490
Total:	199	102	50	24	25	27	30	33	490
Fund Appropriations/Allocations									
Water Fund	199	102	50	24	25	27	30	33	490
Total*:	199	102	50	24	25	27	30	33	490
O & M Costs (Savings)			5	5	5	5	5	5	29
Spending Plan by Fund									
Water Fund		45	50	24	25	27	30	33	234
Total:		45	50	24	25	27	30	33	234

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2015 - 2020 Adopted Capital Improvement Program

Water System Plan - 2019

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	New Investment	Start Date:	Q1/2016
Project ID:	C1510	End Date:	Q4/2019
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project develops the 2019 Water System Plan. This project meets the State requirement that SPU update a water system plan every six years and submit the plan to the Washington Department of Health (DOH) for approval as a condition of the operating permit for the drinking water system.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	0	0	110	541	454	59	0	1,164
Total:	0	0	0	110	541	454	59	0	1,164
Fund Appropriations/Allocations									
Water Fund	0	0	0	110	541	454	59	0	1,164
Total*:	0	0	0	110	541	454	59	0	1,164
O & M Costs (Savings)			0	12	12	12	12	12	58

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2015 - 2020 Adopted Capital Improvement Program

Watermain Rehabilitation

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2004
Project ID:	C1129	End Date:	ONGOING
Location:	Regional		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Multiple
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program replaces or rehabilitates existing watermains in Seattle. Replacements occur when leaks become too frequent. Rehabilitation by lining the interior of the pipe with cement mortar restores the capacity of watermains that have degraded due to interior deposits. The benefits of this program are restored quality of the delivered water, lower use of chlorine to maintain required chlorine residual, and restored pressures.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	6,980	4,426	3,137	1,078	3,182	7,513	4,411	4,010	34,737
Total:	6,980	4,426	3,137	1,078	3,182	7,513	4,411	4,010	34,737
Fund Appropriations/Allocations									
Water Fund	6,980	4,426	3,137	1,078	3,182	7,513	4,411	4,010	34,737
Total*:	6,980	4,426	3,137	1,078	3,182	7,513	4,411	4,010	34,737
O & M Costs (Savings)			347	347	347	347	347	347	2,084
Spending Plan by Fund									
Water Fund		1,150	3,137	1,078	3,182	7,513	4,411	4,010	24,481
Total:		1,150	3,137	1,078	3,182	7,513	4,411	4,010	24,481

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2015 - 2020 Adopted Capital Improvement Program

Watershed Road Improvement/Decommissioning

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2001
Project ID:	C1601	End Date:	ONGOING
Location:	Cedar River Watershed	Council District:	Outside Seattle
Neighborhood Plan:	Not in a Neighborhood Plan	Urban Village:	Not in an Urban Village
Neighborhood District:	Not in a Neighborhood District		

This program provides forest road improvements and decommissioning in the Cedar River Watershed. The purpose of this program is to reduce the delivery of sediment into the waterways in the watershed to protect both aquatic habitat and water quality. This program is a requirement under the Cedar River Watershed Habitat Conservation Plan (HCP.)

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	11,922	1,004	1,090	1,106	1,124	1,140	1,157	1,175	19,718
Total:	11,922	1,004	1,090	1,106	1,124	1,140	1,157	1,175	19,718
Fund Appropriations/Allocations									
Water Fund	11,922	1,004	1,090	1,106	1,124	1,140	1,157	1,175	19,718
Total*:	11,922	1,004	1,090	1,106	1,124	1,140	1,157	1,175	19,718
O & M Costs (Savings)			197	197	197	197	197	197	1,183
Spending Plan by Fund									
Water Fund		794	1,090	1,106	1,124	1,140	1,157	1,175	7,586
Total:		794	1,090	1,106	1,124	1,140	1,157	1,175	7,586

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2015 - 2020 Adopted Capital Improvement Program

Yesler Terrace-WF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q1/2014
Project ID:	C4136-WF	End Date:	Q4/2014
Location:	Yesler and Broadway		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	3
Neighborhood District:	Central	Urban Village:	Not in an Urban Village

Seattle Housing Authority (SHA) is leading a major project to replace Yesler Terrace's aging public housing buildings with a new mixed-income community. This project provides funding for SPU Water infrastructure investments in association with this project.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	0	200	0	0	0	0	0	0	200
Total:	0	200	0	0	0	0	0	0	200
Fund Appropriations/Allocations									
Water Fund	0	200	0	0	0	0	0	0	200
Total*:	0	200	0	0	0	0	0	0	200
O & M Costs (Savings)			2	2	2	2	2	2	12

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2015 - 2020 Adopted Capital Improvement Program