

**SPU -
DRAINAGE AND
WASTEWATER**

Seattle Public Utilities – Drainage & Wastewater

Overview of Facilities and Programs

The Seattle Public Utilities (SPU) is responsible for maintaining the network of sewer and drainage systems throughout the City of Seattle. The system includes approximately:

- 448 miles of sanitary sewers;
- 460 miles of storm drains;
- 968 miles of combined sewers;
- 68 pump stations;
- 92 permitted combined sewer overflow outfalls;
- 170 storm drain outfalls; and
- 38 combined sewer overflow control detention tanks/pipes.

The Seattle Public Utilities' Capital Improvement Program (CIP) is the vehicle for maintaining, upgrading, and expanding this infrastructure, as well as constructing projects that protect, conserve, and enhance our region's environmental resources. The overriding goal of the CIP is to ensure facilities are properly constructed and maintained, and regulatory requirements are met. Projects in the CIP are also guided by various federal regulations, City policies, long-term plan documents, and the SPU Asset Management Committee (AMC) benefit criteria. Many Drainage and Wastewater (DWF) CIP projects are outlined in the Wastewater System Plan, Combined Sewer Overflow Reduction Plan, and the Comprehensive Drainage Plan.

Historically, the DWF CIP has been funded primarily by revenue bonds. However, DWF financial policies adopted in 2003 gradually increase cash contributions from the Utility to fund the CIP. Now, 25% of total CIP costs were funded by a cash contribution, with the remaining capital needs being debt financed. Overhead costs for the CIP are budgeted in the SPU operating fund and are reimbursed as CIP expenditures are incurred.

Highlights

- **Reorganization and Reduction:** The DWF CIP has been significantly reduced for 2010 to operate within current rates and re-focus the capital program on regulatory mandates. More than 30 projects have been reduced, delayed, or eliminated entirely. Consequently, the CIP BCL structure has been re-organized to reflect the remaining work priorities, and the number of BCLs has been reduced from nine to seven.
- **Combined Sewer Overflow (CSO) Program:** Approximately \$24.2 million is included in the 2010-2015 Proposed CIP for the combined sewer overflow program. In many parts of Seattle, sewage and stormwater flow together in pipes through a Combined Sewer System. Heavy rains may cause these pipes to fill, causing overflows through outfalls into Lake Union, Lake Washington, or Puget Sound. Projects in the 2010-2015 Proposed CIP respond to federal and state regulations requiring the City to monitor and reduce CSOs. These include development of a Long Term Control Plan (LTCP) as well as CSO reduction projects in the Windermere, Genesee, and Henderson basins.
- **Flooding, Sewer Back-up and Landslides:** The 2010-2015 Proposed CIP includes \$24.1 million to address the prevention and alleviation of flooding and sewer back-ups in the City of Seattle. The main focus of the 2010 program will be on the construction phases of the Madison Valley Long Term Solution and South Park Pump Station projects.
- **Sediments:** The City of Seattle is named as a potentially responsible party (PRP) for the Duwamish River Superfund Site because of alleged contamination of sediments in the river from CSO and storm drain discharges. The City continues to work with the Washington State Department of Ecology, King County, and other PRPs on an assessment of contaminants and sources.

Project Selection Process

SPU has adopted an asset management methodology for selecting projects to build. This triple bottom line approach includes an in-depth analysis of the project's economic, social, and environmental benefits, and the ability to meet customer service levels. Using this approach, SPU has established a consistent analytical and modeling framework to achieve the most economical balance between capital investments and operation and maintenance expenditures to minimize the life cycle costs of any capital asset.

The Asset Management Committee (AMC), a committee of senior SPU executives, reviews each project above a certain cost threshold – recently increased to \$1 million from \$250,000 – to insure that only projects that minimize lifecycle costs and meet triple-bottom-line criteria move forward. As a result of this analysis, several projects have been dropped when costs far exceed the benefits. Several cost-effective master planning efforts were approved to create up-to-date improvement and/or upgrade plans for several groups of assets. Other projects have been expanded or expedited because the benefits exceed the costs.

Program Category Summaries

The 2010-2015 Proposed Drainage and Wastewater CIP totals approximately \$73.9 million in 2010 (including Technology projects funded by the Drainage and Wastewater Fund, displayed in a separate section of this CIP), which is a \$15.3 million lower than the Endorsed 2010 CIP.

In the new Combined Sewer Overflows (CSOs) BCL, the 2010 Proposed CIP is \$24.2 million. Several projects now housed in this BCL have seen significant increases over the prior CIP. The reorganization and increases reflect a decision to focus efforts on the CSO program, including the Long Term Control Plan (LTCP) project, which is required by the Environmental Protection Agency (EPA). This BCL also has funding to simultaneously complete the Windermere, Genesee, and Henderson CSO reduction projects on an aggressive schedule.

In the Protection of Beneficial Uses BCL, the 2010-2015 Proposed CIP is \$252,000 in 2010, which is \$1.3 million lower than the 2010 planned funding level in the 2009-2014 Adopted CIP. This change is a result of the elimination of several projects due to financial constraints and reprioritization.

In the Shared Costs Projects BCL, the 2010 Proposed CIP is \$16.2 million in 2010, which is \$4.5 million lower than the 2010 planned funding level in the 2009-2014 Adopted CIP largely due to lower estimates for the Alaskan Way Viaduct/Seawall Replacement project and reductions to the Bridging the Gap program due to financial constraints.

In the new Flooding, Sewer Back-up and Landslides BCL, the 2010-2015 Proposed CIP is \$24.1 million in 2010. Several projects now in this BCL have seen savings, including the Madison Valley Long Term Solution project, following refinement of the project estimate given the chosen alternative. Additionally, the Sanitary Sewer Overflow Capacity and Inflow/Infiltration projects have been delayed until 2012 order to meet financial constraints and reprioritization made necessary by the zero percent rate increase, and the Localized Flood Control Program has been similarly reduced. These reductions are partially offset by an increase for the South Park Pump Station, caused by construction shifting from 2009 to 2010.

In the new Rehabilitation BCL, the 2010-2015 Proposed CIP is \$2.5 million in 2010. Several projects in this new BCL have reduced planned spending due to financial constraints, including Point Sewer Pipe Rehab-Crews, No-Dig Pipe & Maintenance, and Pump Station Improvements.

For 2010, the BCLs comprising the Drainage and Wastewater CIP have been revised to better reflect the management structure of the CIP, and will be composed of seven program categories, which are summarized below.

Protection of Beneficial Uses: This program makes improvements to the City's drainage system to reduce the harmful effects of stormwater runoff on creeks and receiving water bodies by improving water quality and

Seattle Public Utilities – Drainage & Wastewater

protecting or enhancing habitat. The program includes projects to improve water quality, protect creeks, meet regulatory requirements, and use best available science to meet community expectations for habitat.

Sediments: This program provides funding for preliminary studies and analysis of cleanup of contaminated sediment sites in which the City is a participant, for actual cleanup of contaminated sites, for preliminary engineering, for future cleanup efforts, and for liability allocation negotiations. Funding is used to develop studies and analyses required by regulatory agencies for determining the boundaries and cleanup requirements for specific action sites. The study phase of sediment remediation projects often requires multiple years before specific cleanup actions are defined. As regulatory agency cleanup requirements become clear, additional individual cleanup projects are included in subsequent CIP proposals.

Combined Sewer Overflows: This program consists of projects that are mandated by State and Federal regulations to control CSOs into the City's receiving waters. Projects include large infrastructure projects (e.g., storage structures, pipes, tunnels, wet weather treatment plants, stormwater separation, pump stations, etc.), smaller retrofits, construction of green infrastructure for CSO control, and development of regulatory-required plans such as the Long-Term Control Plan.

Rehabilitation: This program consists of projects to rehabilitate or replace existing drainage and wastewater (DWW) assets in-kind to maintain the current functionality level of the system. Projects include pump station structures, major mechanical & electrical components, and force mains; DWW control structures and appurtenances; and pipes and culverts.

Flooding, Sewer Back-ups and Landslides: This program is responsible for preventing and alleviating flooding and sewer backups in the City of Seattle, with a primary focus on the protection of public health, safety, and property. The program area is focused on planning, design, and construction of channels, pipes, roadside ditches, culverts, detention ponds, and natural drainage systems that control and/or convey storm runoff to receiving bodies. This program also involves protecting SPU drainage and wastewater infrastructure from landslides and providing drainage improvements where surface water generated from the city right-of-way is contributing to landslides.

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 paid by more than one of SPU's utility funds. In 2010, the Drainage and Wastewater program includes funding for the Alaskan Way Viaduct & Seawall Replacement, Integrated Control Monitoring Program, Mercer Corridor Projects, Heavy Equipment Purchases, and Emergency Storms.

Technology: (Projects that are funded by the Drainage and Wastewater Fund, displayed in a separate section of this CIP.) This program makes use of recent technological advances to increase the Department's efficiency and productivity. Drainage and Wastewater-supported technology projects are shown grouped with other technology projects following the Department's three CIP sections.

Anticipated Operating Expenses Associated with Capital Facilities Projects

When appropriate, the projects in the Drainage and Wastewater Fund CIP include operations and maintenance cost estimates. These estimates will be refined after project completion and will be included as part of SPU's future O&M Proposed Budget submittals.

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Protection of Beneficial Uses										C333B
High Point Drainage System	C301303	3,919	185	101	113	0	0	0	0	4,318
Best Management Practice Program	C3313	2,125	1,435	0	0	0	0	0	0	3,560
Salmon Bay Phase 2 Acquisition & Restoration	C333307	1,188	551	1	0	0	0	0	0	1,740
Thornton Creek Water Quality Channel Project	C343306	13,691	774	150	23	0	0	0	0	14,638
Taylor Creek Culvert Replacement	C399315	698	106	0	0	113	550	1,201	127	2,794
Protection of Beneficial Uses		21,622	3,051	252	136	113	550	1,201	127	27,051
Sediments										C350B
Sediment Remediation - DWF	C3503	15,392	2,343	2,732	5,929	11,024	10,506	5,411	243	53,580
Sediments		15,392	2,343	2,732	5,929	11,024	10,506	5,411	243	53,580
Combined Sewer Overflows										C360B
Combined Sewer Overflow Facility Retrofit	C302102	5,248	782	1,550	2,285	2,413	2,547	2,689	2,839	20,353
Windermere Combined Sewer Overflow Storage	C302103	3,798	2,445	8,181	7,794	16,186	14,767	2,512	2,718	58,402
Ballard Combined Sewer Overflow	C303101	0	0	0	1,196	1,273	812	773	113	4,167
Fremont-Wallingford Combined Sewer Overflow	C303102	228	0	0	0	0	0	0	0	228
S Genesee Combined Sewer Overflow	C303103	2,217	2,296	3,162	3,849	5,306	5,412	24,290	24,776	71,310
S Henderson Combined Sewer Overflow Storage	C304102	2,534	2,368	2,754	5,722	7,428	7,577	4,968	13,514	46,866
Lakewood Raincatcher Pilot Project	C305202	746	705	364	45	19	0	0	0	1,880
Long Term Control Plan	C308039	2,138	11,003	8,160	7,075	6,431	7,122	3,864	2,252	48,046
Future Combined Sewer Overflow Reduction	C309002	0	0	0	0	0	0	0	0	0
Ballard Roadside Raingardens Phase I – ARRA-CWSRF	C3603	0	0	0	0	0	0	0	0	0
Combined Sewer Overflows		16,911	19,599	24,172	27,967	39,057	38,237	39,097	46,212	251,252
Rehabilitation										C370B
Point Sewer Pipe Rehabilitation - Contract	C309004	3,597	2,336	0	0	1,269	1,295	1,367	1,312	11,176
Point Sewer Pipe Rehabilitation - Crews	C309005	17,885	2,225	661	0	2,086	3,618	3,894	3,972	34,340

* Amounts are in thousands of dollars

2010 - 2015 Proposed Capital Improvement Program

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
No Dig Pipe & Maintenance Rehabilitation	C309006	5,483	674	0	0	2,843	3,544	3,742	3,950	20,235
Sewer Emergency Rehabilitation	C309007	4,622	645	699	792	836	980	1,000	1,020	10,594
Drainage Emergency Rehabilitation	C310001	0	0	102	104	106	108	110	113	643
Sewer Full Line Replacements	C3702	190	392	0	408	438	464	497	525	2,914
Pump Station and Force Main Improvements	C3703	3,255	657	1,022	1,040	1,758	1,858	2,251	2,432	14,273
Rehabilitation		35,033	6,929	2,484	2,345	9,336	11,867	12,861	13,323	94,176
Flooding, Sewer Back-up, and Landslides						BCL/Program Code:				C380B
Sanitary Sewer Overflow Capacity	C302205	1,219	978	0	0	2,099	2,313	3,602	6,338	16,548
Madison Valley Long Term Solution	C307014	4,986	7,234	10,812	9,729	119	63	0	0	32,943
Georgetown Flume Drainage Improvements	C307019	346	730	183	0	0	0	0	0	1,259
South Park Pump Station Inflow/Infiltration Control	C308011	1,266	5,752	9,081	81	0	0	0	0	16,181
Localized Flood Control Program	C3802	753	2,062	1,357	573	4,413	4,576	4,642	4,821	23,196
Densmore Basin Drainage Improvements	C3803	0	410	2,621	5,202	531	0	0	0	8,764
Flooding, Sewer Back-up, and Landslides		8,570	17,166	24,054	15,586	8,505	10,483	11,972	15,094	111,428
Shared Cost Projects						BCL/Program Code:				C410B
SR 519 Interchange	C409016	215	207	107	0	0	0	0	0	528
First Hill Streetcar - DWF	C409034	0	0	106	152	111	0	0	0	369
Mercer Corridor Project West Phase - DWF	C410005	0	0	507	1,133	1,454	1,506	1,244	0	5,844
Meter Replacement - DWFC4101-D		2,438	835	587	674	701	729	758	773	7,495
Alaskan Way Viaduct & Seawall Replacement Program - DWF	C4102-D	5,871	4,070	2,543	4,658	3,675	2,455	2,909	3,711	29,893
Operations Control Center - DWF	C4105-D	2,125	81	32	13	76	58	152	335	2,872
Operational Facility - Construction - DWF	C4106-D	85	1,109	19	0	42	3,798	4,116	1,626	10,795
Integrated Control Monitoring Program - DWF	C4108-D	4,319	4,078	3,524	3,328	3,346	4,040	4,233	4,317	31,185
Sound Transit - University Link - DWF	C4110-D	104	273	50	39	40	62	34	31	632

* Amounts are in thousands of dollars

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Security Improvements - DWF	C4113-D	944	29	26	2	2	3	5	4	1,016
Mercer Corridor Project - DWF	C4114-D	2,314	1,751	3,915	1,550	1,120	39	0	0	10,689
Operational Facility - Other - DWF	C4115-D	241	452	91	68	97	88	239	388	1,663
Heavy Equipment Purchases - DWF	C4116-D	4,872	2,242	1,295	1,759	2,149	2,100	2,396	1,106	17,920
1% for Art - DWF	C4118-D	293	339	448	448	490	622	606	625	3,872
Bridging the Gap - DWF	C4119-D	0	3,157	510	520	531	541	552	563	6,374
Emergency Storms - DWF	C4120-D	2,349	1,062	2,444	577	192	197	209	625	7,655
Sound Transit - East & North Links - DWF	C4122-D	0	25	0	0	0	0	0	0	25
Other Major Transportation Projects - DWF	C4123-D	0	150	0	0	0	0	0	0	150
Shared Cost Projects		26,171	19,858	16,206	14,921	14,025	16,238	17,454	14,105	138,977
Technology										C510B
Budget Placeholders	C5401	0	0	0	931	3,518	4,009	4,620	4,802	17,880
Customer Contact & Billing	C5402	535	1,027	1,165	728	96	42	0	0	3,593
Information Management	C5403	197	310	305	434	446	299	199	112	2,301
IT Infrastructure	C5404	459	1,185	491	250	272	225	124	126	3,131
Project Delivery & Performance	C5405	294	1,027	709	333	204	0	0	0	2,566
Science Information Management	C5406	130	255	377	520	531	433	166	169	2,581
Technical Information Management	C5407	700	900	997	699	47	208	212	216	3,980
Technology		2,315	4,704	4,045	3,895	5,113	5,215	5,320	5,426	36,032
Department Total		126,013	73,651	73,944	70,778	87,171	93,096	93,314	94,530	712,497

* Amounts are in thousands of dollars

Seattle Public Utilities

Fund Summary

Fund Name	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Drainage and Wastewater Fund	126,013	73,651	73,944	70,778	87,171	93,096	93,314	94,530	712,497
Department Total	126,013	73,651	73,944	70,778	87,171	93,096	93,314	94,530	712,497

** Amounts are in thousands of dollars*

Seattle Public Utilities

1% for Art – DWF

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

This ongoing program provides the Drainage & Wastewater 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 is accessible to the public. The Municipal Arts Plan, which is prepared annually, describes the status of ongoing art projects and establishes the scope of work and allocations for new art projects.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	293	339	448	448	490	622	606	625	3,872
Project Total:	293	339	448	448	490	622	606	625	3,872
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	293	339	448	448	490	622	606	625	3,872
Appropriations total:	293	339	448	448	490	622	606	625	3,872
O & M Costs (Savings)			9	9	9	9	9	9	52
Spending Plan		339	448	448	490	622	606	625	3,578

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Seattle Public Utilities

Alaskan Way Viaduct & Seawall Replacement Program - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q1/2004
Project ID:	C4102-DWF	End Date:	Q4/2017
Location:	SR 99 / Battery St		
Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This program relocates, replaces, and protects drainage and wastewater 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 promenade, implementation of the new surface Alaskan Way, and design and construction of the seawall.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	5,871	4,070	2,543	4,658	3,675	2,455	2,909	3,711	29,893
Project Total:	5,871	4,070	2,543	4,658	3,675	2,455	2,909	3,711	29,893
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	5,871	4,070	2,543	4,658	3,675	2,455	2,909	3,711	29,893
Appropriations total:	5,871	4,070	2,543	4,658	3,675	2,455	2,909	3,711	29,893
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,982	2,543	4,658	3,675	2,455	2,909	3,711	22,933

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Seattle Public Utilities

Ballard Combined Sewer Overflow

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	New Facility	Start Date:	Q1/2011
Project ID:	C303101	End Date:	Q1/2020
Location:	Ballard		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Ballard	Urban Village:	Not in an Urban Village

This project provides construction of combined sewer overflow (CSO) facilities in the Ballard area in the northwest part of Seattle. Facilities will be built to meet water quality standards for the Ship Canal in accordance with state and federal regulations. The project also intends to meet requirements of the City's current CSO National Pollutant Discharge Elimination System (NPDES) permit.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	0	0	1,196	1,273	812	773	113	4,167
Project Total:	0	0	0	1,196	1,273	812	773	113	4,167
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	0	1,196	1,273	812	773	113	4,167
Appropriations total:	0	0	0	1,196	1,273	812	773	113	4,167
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		0	0	1,196	1,273	812	773	113	4,167

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Seattle Public Utilities

Ballard Roadside Raingardens Phase I – ARRA-CWSRF

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	New Facility	Start Date:	Q1/2010
Project ID:	C3603	End Date:	Q4/2010
Location:	Ballard		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	
Neighborhood District:	Ballard	Urban Village:	Ballard

This establishes a separate project to track the American Recovery and Reinvestment Act (ARRA) funding for the Ballard Roadside Raingardens Phase I project, which is a component of the Ballard Combined Sewer Overflow project (C303101). SPU will receive \$1.5M from the Washington State Department of Ecology as a low interest loan. The separate project complies with the requirements of ARRA reporting. In addition to reducing a portion of the combined sewer overflow volumes in the Ballard area, this project will develop the design templates and inform the cost and performance data for bioretention cells in the right-of-way. This information will be used to better evaluate, and provide a higher level of confidence for, the role of this green stormwater infrastructure strategy in achieving Seattle’s combined sewer system compliance. New appropriation for this project is expected to be proposed in the 4th quarter 2009 and carried forward.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Federal ARRA Funds: Clean Water State Revolving Fund	0	0	0	0	0	0	0	0	0
Project Total:	0	0	0	0	0	0	0	0	0
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	0	0	0	0	0	0	0
Appropriations total:	0	0	0	0	0	0	0	0	0
O & M Costs (Savings)									
Spending Plan		300	1,247	0	0	0	0	0	1,547

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Seattle Public Utilities

Best Management Practice Program

BCL/Program Name:	Protection of Beneficial Uses	BCL/Program Code:	C333B
Project Type:	New Facility	Start Date:	Q2/2000
Project ID:	C3313	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program provides high priority water quality improvement projects in the Norfolk, South Park, and Densmore drainage basins. Incorporating Best Management Practices (BMP), projects are identified, developed, and implemented. The results will be improved quality of stormwater runoff from City-owned storm drains, discharged to nearby receiving water bodies such as streams and lakes. No spending is anticipated in 2010 due to financial constraints, but this project will remain open as a placeholder for possible future spending.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,125	1,435	0	0	0	0	0	0	3,560
Project Total:	2,125	1,435	0	0	0	0	0	0	3,560
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,125	1,435	0	0	0	0	0	0	3,560
Appropriations total:	2,125	1,435	0	0	0	0	0	0	3,560
O & M Costs (Savings)			116	116	116	116	116	0	580
Spending Plan		1,435	0	0	0	0	0	0	1,435

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Seattle Public Utilities

Bridging the Gap - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2008
Project ID:	C4119-DWF	End Date:	Q4/2016
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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 drainage and wastewater 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. It is too early in the program to determine the impact on operation and maintenance costs or savings as a result of this program.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	3,157	510	520	531	541	552	563	6,374
Project Total:	0	3,157	510	520	531	541	552	563	6,374
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	3,157	510	520	531	541	552	563	6,374
Appropriations total:	0	3,157	510	520	531	541	552	563	6,374
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		1,962	510	520	531	541	552	563	5,179

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

Seattle Public Utilities

Combined Sewer Overflow Facility Retrofit

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2002
Project ID:	C302102	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing project retrofits, upgrades, and modifies existing Combined Sewer Overflows (CSO) reduction facilities in Seattle CSO basins. Retrofit projects cost-effectively optimize system operation and storage, mitigate the extent of CSOs, and postpone and/or downsize large CSO reduction projects. This program assists in achieving State Department of Ecology's requirement of an average of no more than one wet-weather overflow event per outfall per year.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	5,248	782	1,550	2,285	2,413	2,547	2,689	2,839	20,353
Project Total:	5,248	782	1,550	2,285	2,413	2,547	2,689	2,839	20,353
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	5,248	782	1,550	2,285	2,413	2,547	2,689	2,839	20,353
Appropriations total:	5,248	782	1,550	2,285	2,413	2,547	2,689	2,839	20,353
O & M Costs (Savings)			209	209	209	209	209	209	1,254
Spending Plan		1,500	2,060	2,285	2,413	2,547	2,689	2,839	16,333

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

Seattle Public Utilities

Densmore Basin Drainage Improvements

BCL/Program Name:	Flooding, Sewer Back-up, and Landslides	BCL/Program Code:	C380B
Project Type:	New Facility	Start Date:	Q1/2009
Project ID:	C3803	End Date:	Q4/2012
Location:	Densmore Basin		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	NW KSA
Neighborhood District:	Northwest	Urban Village:	Bitter Lake Village

This program reduces surface water flooding and stormwater pollutant loading within the Densmore Basin. Improvements may include increasing the detention volume of the existing Stone Pond facility in order to address stormwater flow, and using traditional storage facilities and/or low impact development techniques to reduce flooding impacts at key locations in the upper Densmore Basin. This program was included in the 2009-2014 Adopted CIP as C3322.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	410	2,621	5,202	531	0	0	0	8,764
Project Total:	0	410	2,621	5,202	531	0	0	0	8,764
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	410	2,621	5,202	531	0	0	0	8,764
Appropriations total:	0	410	2,621	5,202	531	0	0	0	8,764
O & M Costs (Savings)			0	0	0	88	88	88	264
Spending Plan		250	2,621	5,202	531	0	0	0	8,604

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

Seattle Public Utilities

Drainage Emergency Rehabilitation

BCL/Program Name:	Rehabilitation	BCL/Program Code:	C370B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2010
Project ID:	C310001	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Delridge	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing project provides emergency rehabilitation to drainage pipes that collapse, cause surface problems, or otherwise endanger public health or welfare. Typical improvements may include, but are not limited to, rehabilitation or replacement of structurally damaged pipes that caused the emergency and restoring surrounding areas. Rehabilitation or replacement quickly corrects the situation, avoids repeat incident, and extends the life of the asset.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	0	102	104	106	108	110	113	643
Project Total:	0	0	102	104	106	108	110	113	643
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	102	104	106	108	110	113	643
Appropriations total:	0	0	102	104	106	108	110	113	643
O & M Costs (Savings)			6	6	6	6	6	6	36
Spending Plan		100	102	104	106	108	110	113	743

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Seattle Public Utilities

Emergency Storms - DWF

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

This ongoing program funds Drainage & Wastewater infrastructure capital improvement projects resulting from previous and possible future storm events. These projects are potentially Federal Emergency Management Agency (FEMA) reimbursable and need to be separated out for tracking and reimbursement purposes. Typical improvements include, but are not limited to, repairing and mitigating landslides, restoring detention ponds, and replacing culverts and detention walls.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,349	1,062	2,444	577	192	197	209	625	7,655
Project Total:	2,349	1,062	2,444	577	192	197	209	625	7,655
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,349	1,062	2,444	577	192	197	209	625	7,655
Appropriations total:	2,349	1,062	2,444	577	192	197	209	625	7,655
O & M Costs (Savings)			71	71	71	71	71	71	426
Spending Plan		929	2,444	577	192	197	219	625	5,183

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Seattle Public Utilities

First Hill Streetcar - DWF

BCL/Program Name: Shared Cost Projects **BCL/Program Code:** C410B
Project Type: Improved Facility **Start Date:** Q1/2009
Project ID: C409034 **End Date:** Q4/2012
Location: First Hill

Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** In more than one Urban Village

This project plans and relocates drainage and wastewater 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. The project is in the planning phase.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	0	106	152	111	0	0	0	369
Project Total:	0	0	106	152	111	0	0	0	369
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	106	152	111	0	0	0	369
Appropriations total:	0	0	106	152	111	0	0	0	369
O & M Costs (Savings)			0	0	0	4	4	4	12
Spending Plan		0	106	152	111	0	0	0	369

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Seattle Public Utilities

Fremont-Wallingford Combined Sewer Overflow

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	Improved Facility	Start Date:	Q3/2008
Project ID:	C303102	End Date:	Q1/2020
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project constructs combined sewer overflow (CSO) facilities in the Fremont/Wallingford area of Seattle. Facilities will be built to meet water quality standards for the Ship Canal in accordance with state and federal regulations. The project also intends to meet requirements of the City's current CSO National Pollutant Discharge Elimination System (NPDES) permit. Due to budget constraints, this project is put on hold until 2011.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	228	0	0	0	0	0	0	0	228
Project Total:	228	0	0	0	0	0	0	0	228
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	228	0	0	0	0	0	0	0	228
Appropriations total:	228	0	0	0	0	0	0	0	228
O & M Costs (Savings)			0	0	0	0	0	0	0

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Seattle Public Utilities

Future Combined Sewer Overflow Reduction

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	New Investment	Start Date:	Q1/2016
Project ID:	C309002	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing project provides future combined sewer overflow (CSO) reduction in one or more of the City's uncontrolled CSO basins where opportunity arises from some other project or effort in the area. This project was included in the Adopted CIP starting in 2008, but no work is anticipated until after 2015, following completion of the Long Term Control Plan.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	0	0	0	0	0	0	0	0
Project Total:	0	0	0	0	0	0	0	0	0
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	0	0	0	0	0	0	0
Appropriations total:	0	0	0	0	0	0	0	0	0
O & M Costs (Savings)			0	0	0	0	0	0	0

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Seattle Public Utilities

Georgetown Flume Drainage Improvements

BCL/Program Name:	Flooding, Sewer Back-up, and Landslides	BCL/Program Code:	C380B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C307019	End Date:	Q2/2010
Location:	S Willow St/E Marginal Way S at Slip 4		
Neighborhood Plan:	Georgetown	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	Not in an Urban Village

This project designs and constructs a new drainage system to replace the existing Georgetown flume system. It is part of a joint project with City Light to implement a pollution source control remedy as part of Superfund cleanup in the Duwamish. The Georgetown flume currently functions as a storm drain, serving an approximate 10-acre basin at the north end of the King County Airport and discharges to the head of Slip 4. This area has been designated as an early action cleanup site as part of the Lower Duwamish Waterway Superfund project due to the presence of elevated levels of Polychlorinated Biphenyls (PCBs), phthalates (plasticizers), and other chemicals in the waterway sediment.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	346	730	183	0	0	0	0	0	1,259
Project Total:	346	730	183	0	0	0	0	0	1,259
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	346	730	183	0	0	0	0	0	1,259
Appropriations total:	346	730	183	0	0	0	0	0	1,259
O & M Costs (Savings)			0	5	2	2	2	2	13
Spending Plan		999	183	0	0	0	0	0	1,182

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Seattle Public Utilities

Heavy Equipment Purchases - DWF

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

This ongoing program provides SPU’s Drainage and Wastewater Utility crews with new and replacement heavy equipment that is used throughout Seattle. Typical purchases include vactors, backhoes, loaders, service trucks, "TV" trucks and dump trucks, as well as retrofitting existing equipment to meet SPU operational needs and initiatives. This equipment transports work crews and tools to jobsites and supports the safe and efficient replacement, repair, and maintenance of Seattle’s Drainage and Wastewater system. This project is one of four SPU fund-specific heavy equipment CIP projects. True new O&M costs/savings are generally associated with future equipment "adds" and "upsizing" costs, and are difficult to predict because they usually are the result of unanticipated new programs, new requirements, or increases in service levels. As a result, O&M costs/savings are not calculated.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	4,872	2,242	1,295	1,759	2,149	2,100	2,396	1,106	17,920
Project Total:	4,872	2,242	1,295	1,759	2,149	2,100	2,396	1,106	17,920
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	4,872	2,242	1,295	1,759	2,149	2,100	2,396	1,106	17,920
Appropriations total:	4,872	2,242	1,295	1,759	2,149	2,100	2,396	1,106	17,920
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		1,918	1,295	1,759	2,149	2,100	2,396	1,106	12,723

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Seattle Public Utilities

High Point Drainage System

BCL/Program Name:	Protection of Beneficial Uses	BCL/Program Code:	C333B
Project Type:	New Facility	Start Date:	Q4/2001
Project ID:	C301303	End Date:	Q4/2011
Location:	SW Juneau St/SW Myrtle St/High Point Dr SW/32nd Ave SW		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Delridge	Urban Village:	Not in an Urban Village

This project provides 34 blocks of natural drainage system and distributed block-scale water quality treatment in Seattle Housing Authority's 120-acre High Point redevelopment. The project retrofits 9% of the Longfellow Creek Watershed to meet a flow control goal in the 2008 Stormwater Code.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	3,919	185	101	113	0	0	0	0	4,318
Project Total:	3,919	185	101	113	0	0	0	0	4,318
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	3,919	185	101	113	0	0	0	0	4,318
Appropriations total:	3,919	185	101	113	0	0	0	0	4,318
O & M Costs (Savings)			0	0	43	43	43	43	172
Spending Plan		375	101	113	0	0	0	0	589

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Inflow/Infiltration Control

BCL/Program Name:	Flooding, Sewer Back-up, and Landslides	BCL/Program Code:	C380B
Project Type:	Improved Facility	Start Date:	Q1/2012
Project ID:	C309003	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing project reduces inflow and infiltration (I/I) to sanitary sewers from side sewers and other pipe openings. Reductions may result from inspections, repair, and/or enforcement of codes. I/I reduction improves the capacity of the existing sanitary sewer system by removing excess storm flows, thereby reducing the potential for overflows and decreasing quantities going to Metro's treatment facilities. Due to budget constraints this project is being delayed until 2012.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	0	0	0	1,343	3,531	3,728	3,935	12,537
Project Total:	0	0	0	0	1,343	3,531	3,728	3,935	12,537
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	0	0	1,343	3,531	3,728	3,935	12,537
Appropriations total:	0	0	0	0	1,343	3,531	3,728	3,935	12,537
O & M Costs (Savings)			0	0	125	125	125	125	500
Spending Plan		0	0	0	1,343	3,531	3,728	3,935	12,537

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

Seattle Public Utilities

Integrated Control Monitoring Program - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Investment	Start Date:	Q1/2002
Project ID:	C4108-DWF	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	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 drainage and wastewater portion of the overall Supervisory Control and Data Acquisition (SCADA) system infrastructure throughout Seattle. Infrastructure affected may include, but is not limited to, pipes related to potential combined sewer overflows, rain gauges, and wastewater pump stations. This program enhances and protects the quality and condition of lakes and streams, and addresses the Environmental Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) permit requirements.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	4,319	4,078	3,524	3,328	3,346	4,040	4,233	4,317	31,185
Project Total:	4,319	4,078	3,524	3,328	3,346	4,040	4,233	4,317	31,185
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	4,319	4,078	3,524	3,328	3,346	4,040	4,233	4,317	31,185
Appropriations total:	4,319	4,078	3,524	3,328	3,346	4,040	4,233	4,317	31,185
O & M Costs (Savings)			310	310	310	310	310	310	1,860
Spending Plan		3,210	3,524	3,328	3,346	4,040	4,233	4,317	25,998

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

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Lakewood Raincatcher Pilot Project

BCL/Program Name: Combined Sewer Overflows **BCL/Program Code:** C360B
Project Type: New Facility **Start Date:** Q1/2007
Project ID: C305202 **End Date:** Q4/2012
Location: South Alaska - S. Findlay Streets/51-54 Avenues South
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Southeast **Urban Village:** Not in an Urban Village

This project constructs a variety of green stormwater infrastructure (GSI) strategies on private parcels as a demonstration project in the Lakewood Ave SE neighborhood. Techniques include stormwater downspout disconnection, rain garden, and/or cisterns on private parcels. They are anticipated to be cost-effective tools in the management of stormwater in combined sewer basins and partially separated basins. This EPA grant-funded demonstration project has provided the foundation for the development of the Residential Rainwise Program. The Residential Rainwise program is being developed to provide financial incentive to single family homeowners to adopt GSI practices on their property to help with Combined Sewer Overflow control.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	746	705	364	45	19	0	0	0	1,880
Project Total:	746	705	364	45	19	0	0	0	1,880
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	746	705	364	45	19	0	0	0	1,880
Appropriations total:	746	705	364	45	19	0	0	0	1,880
O & M Costs (Savings)			0	0	0	19	19	19	57
Spending Plan		282	364	45	19	0	0	0	710

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Localized Flood Control Program

BCL/Program Name:	Flooding, Sewer Back-up, and Landslides	BCL/Program Code:	C380B
Project Type:	New Facility	Start Date:	Q1/2007
Project ID:	C3802	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Northwest	Urban Village:	Bitter Lake Village

This ongoing program provides flood control and local drainage and wastewater projects in under-served parts of Seattle to improve system capacity or increase the existing level of service. Candidate projects are identified through claims, complaints, studies, and field investigations. Drainage and Landslide Spot projects are also included within this program. The Localized Flood Control Program improves Drainage and Wastewater levels of service. This program was included in the 2009 Adopted Budget as C3312.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	753	2,062	1,357	573	4,413	4,576	4,642	4,821	23,196
Project Total:	753	2,062	1,357	573	4,413	4,576	4,642	4,821	23,196
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	753	2,062	1,357	573	4,413	4,576	4,642	4,821	23,196
Appropriations total:	753	2,062	1,357	573	4,413	4,576	4,642	4,821	23,196
O & M Costs (Savings)			224	224	224	224	224	224	1,344
Spending Plan		500	1,357	573	4,413	4,576	4,642	4,821	20,882

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

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Long Term Control Plan

BCL/Program Name: Combined Sewer Overflows **BCL/Program Code:** C360B
Project Type: New Facility **Start Date:** Q3/2008
Project ID: C308039 **End Date:** Q2/2015
Location: Various
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** Not in an Urban Village

This project creates a Long Term Control Plan (LTCP) in accordance with SPU's Combined Sewer Overflow (CSO) National Pollutant Discharge Elimination System (NPDES) permit and the Federal CSO Control Policy. SPU is required to develop and implement the plan to reduce the number and volume of its CSO overflows, meet receiving water quality standards, and protect designated beneficial uses. The project includes establishing tools for managing the plan, flow characterization, monitoring, and hydraulic modeling; consideration and prioritization of sensitive CSO locations; development and analysis of site-specific CSO control alternatives; development of a comprehensive set of reasonable control alternatives that takes into consideration overall cost and performance; operational plan revisions to include agreed-upon long-term CSO controls; a public participation process; an implementation schedule; and a post-construction compliance monitoring program to verify compliance. This plan will be submitted to the Washington State Department of Ecology for approval in 2015 and will include all CSO basins within the City of Seattle, excluding existing CSO Projects at Windermere, Genesee, Henderson and the Central Waterfront.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,138	11,003	8,160	7,075	6,431	7,122	3,864	2,252	48,046
Project Total:	2,138	11,003	8,160	7,075	6,431	7,122	3,864	2,252	48,046
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,138	11,003	8,160	7,075	6,431	7,122	3,864	2,252	48,046
Appropriations total:	2,138	11,003	8,160	7,075	6,431	7,122	3,864	2,252	48,046
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		9,994	8,160	7,075	6,431	7,122	3,864	2,252	44,898

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

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Madison Valley Long Term Solution

BCL/Program Name: Flooding, Sewer Back-up, and Landslides **BCL/Program Code:** C380B
Project Type: New Facility **Start Date:** Q1/2007
Project ID: C307014 **End Date:** Q4/2013
Location: Various
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Central **Urban Village:** Not in an Urban Village

This project provides stormwater flood control facilities to greatly reduce the potential for flooding in the Madison Valley area, especially in the vicinity of 30th Ave E. and E. John St, and in the area of 29th Ave E. and E. Madison St. Work will include construction of a large stormwater pipe in the NW section of the Madison Valley basin, a new stormwater storage facility in Washington Park, and an expanded stormwater retention area at 30th Ave E. and E. John St.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	4,986	7,234	10,812	9,729	119	63	0	0	32,943
Project Total:	4,986	7,234	10,812	9,729	119	63	0	0	32,943
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	4,986	7,234	10,812	9,729	119	63	0	0	32,943
Appropriations total:	4,986	7,234	10,812	9,729	119	63	0	0	32,943
O & M Costs (Savings)			0	0	0	0	336	336	672
Spending Plan		7,234	10,812	9,729	119	63	0	0	27,957

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

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Mercer Corridor Project - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C4114-DWF	End Date:	Q4/2012
Location:	South Lake Union		
Neighborhood Plan:	South Lake Union	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Lake Union	Urban Village:	South Lake Union

This program funds the repair, relocation, protection, and upgrade of drainage and wastewater infrastructure related to the redevelopment of the South Lake Union neighborhood. Program work includes, but is not limited to, flow modeling and development of green roofs. This effort identifies SPU drainage and wastewater 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,314	1,751	3,915	1,550	1,120	39	0	0	10,689
Project Total:	2,314	1,751	3,915	1,550	1,120	39	0	0	10,689
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,314	1,751	3,915	1,550	1,120	39	0	0	10,689
Appropriations total:	2,314	1,751	3,915	1,550	1,120	39	0	0	10,689
O & M Costs (Savings)			0	0	0	34	34	34	102
Spending Plan		1,614	3,915	1,550	1,120	39	0	0	8,238

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

Seattle Public Utilities

Mercer Corridor Project West Phase – DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2010
Project ID:	C410005	End Date:	Q2/2014
Location:	Mercer ST/Elliott AVE W/Dexter AVE N		

Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	T01,T02, T03, T11, T15
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This project provides drainage and wastewater utility improvements and relocations related to the Mercer Corridor project, West phase. The 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	0	507	1,133	1,454	1,506	1,244	0	5,844
Project Total:	0	0	507	1,133	1,454	1,506	1,244	0	5,844
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	0	507	1,133	1,454	1,506	1,244	0	5,844
Appropriations total:	0	0	507	1,133	1,454	1,506	1,244	0	5,844
O & M Costs (Savings)			0	0	0	0	0	58	58
Spending Plan		0	507	1,133	1,454	1,506	1,244	0	5,844

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Seattle Public Utilities

Meter Replacement - DWF

BCL/Program Name: Shared Cost Projects **BCL/Program Code:** C410B
Project Type: Rehabilitation or Restoration **Start Date:** Q1/2004
Project ID: C4101-DWF **End Date:** Ongoing
Location: Citywide
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** In more than one Urban

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. There are no incremental operation and maintenance costs or savings directly related to this program.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,438	835	587	674	701	729	758	773	7,495
Project Total:	2,438	835	587	674	701	729	758	773	7,495
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,438	835	587	674	701	729	758	773	7,495
Appropriations total:	2,438	835	587	674	701	729	758	773	7,495
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		631	587	674	701	729	758	773	4,853

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

No Dig Pipe & Maintenance Rehabilitation

BCL/Program Name:	Rehabilitation	BCL/Program Code:	C370B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/1998
Project ID:	C309006	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing project provides trenchless technology to reline wastewater pipe in Seattle. Generally, prioritized critical sewer pipe that is intact though leaking, and very near the end of its useful life, is relined by a specialized vendor. Installation of the liner extends pipe segment life for more than fifty years. This project was included in the 2009-2014 Adopted CIP as C3AA403. Due to budget constraints this project is being put on hold until 2012.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	5,483	674	0	0	2,843	3,544	3,742	3,950	20,235
Project Total:	5,483	674	0	0	2,843	3,544	3,742	3,950	20,235
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	5,483	674	0	0	2,843	3,544	3,742	3,950	20,235
Appropriations total:	5,483	674	0	0	2,843	3,544	3,742	3,950	20,235
O & M Costs (Savings)			0	0	119	119	119	119	476
Spending Plan		600	0	0	2,843	3,544	3,742	3,950	14,679

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Seattle Public Utilities

Operational Facility - Construction - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2004
Project ID:	C4106-DWF	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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. No work is planned for drainage and wastewater facilities in 2011.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	85	1,109	19	0	42	3,798	4,116	1,626	10,795
Project Total:	85	1,109	19	0	42	3,798	4,116	1,626	10,795
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	85	1,109	19	0	42	3,798	4,116	1,626	10,795
Appropriations total:	85	1,109	19	0	42	3,798	4,116	1,626	10,795
O & M Costs (Savings)			597	597	597	597	597	597	3,582
Spending Plan		885	19	0	42,448	3,798	4,116	1,626	52,892

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Operational Facility - Other - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2006
Project ID:	C4115-DWF	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood 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, drainage systems, prefabricated buildings, storage buildings, and fencing.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	241	452	91	68	97	88	239	388	1,663
Project Total:	241	452	91	68	97	88	239	388	1,663
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	241	452	91	68	97	88	239	388	1,663
Appropriations total:	241	452	91	68	97	88	239	388	1,663
O & M Costs (Savings)			18	18	18	18	18	18	108
Spending Plan		444	91	68	97	88	239	388	1,415

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Seattle Public Utilities

Other Major Transportation Projects - DWF

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

This ongoing program funds Drainage and Wastewater projects that mitigate undesirable impacts from, and takes advantage of opportunities generated by, 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, Interstate 90, and work related to new street car lines. No spending is currently anticipated in the 2010-2015 timeframe, but this project will remain open as a placeholder for possible future spending.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	150	0	0	0	0	0	0	150
Project Total:	0	150	0	0	0	0	0	0	150
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	150	0	0	0	0	0	0	150
Appropriations total:	0	150	0	0	0	0	0	0	150
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		150	0	0	0	0	0	0	150

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Seattle Public Utilities

Point Sewer Pipe Rehabilitation - Contract

BCL/Program Name:	Rehabilitation	BCL/Program Code:	C370B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2003
Project ID:	C309004	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing project provides complex point sewer rehabilitation of sewer mains that are greater than seventeen feet deep in the downtown corridor, landslide prone areas, or difficult access areas. Failed or nonfunctional sections of pipe are assessed and prioritized for rehabilitation through one or two public works contracts. Sewer trouble spots and voids are addressed while increasing the sewer main asset life and function. Due to budget constraints this project is being put on hold until 2012. This project was included in the 2009-2014 Adopted CIP as C303401.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	3,597	2,336	0	0	1,269	1,295	1,367	1,312	11,176
Project Total:	3,597	2,336	0	0	1,269	1,295	1,367	1,312	11,176
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	3,597	2,336	0	0	1,269	1,295	1,367	1,312	11,176
Appropriations total:	3,597	2,336	0	0	1,269	1,295	1,367	1,312	11,176
O & M Costs (Savings)			0	0	99	99	99	99	396
Spending Plan		2,166	0	0	1,269	1,295	1,367	1,312	7,409

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Seattle Public Utilities

Point Sewer Pipe Rehabilitation - Crews

BCL/Program Name:	Rehabilitation	BCL/Program Code:	C370B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2003
Project ID:	C309005	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing project provides point sewer rehabilitation of sewer mains that are less than seventeen feet deep in non-arterial Seattle roadways. Failed or nonfunctional sections of pipe are assessed and prioritized for rehabilitation by Seattle Public Utilities field operation crews. Sewer trouble spots and voids are addressed while increasing the sewer main asset life and function. Due to budget constraints, no work is currently planned for 2011. This project was included in the 2009-2014 Adopted CIP as C303402.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	17,885	2,225	661	0	2,086	3,618	3,894	3,972	34,340
Project Total:	17,885	2,225	661	0	2,086	3,618	3,894	3,972	34,340
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	17,885	2,225	661	0	2,086	3,618	3,894	3,972	34,340
Appropriations total:	17,885	2,225	661	0	2,086	3,618	3,894	3,972	34,340
O & M Costs (Savings)			1,519	159	159	159	159	159	2,314
Spending Plan		2,225	967	0	2,404	3,943	4,225	4,310	18,074

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Seattle Public Utilities

Pump Station and Force Main Improvements

BCL/Program Name:	Rehabilitation	BCL/Program Code:	C370B
Project Type:	New Facility	Start Date:	Q1/2008
Project ID:	C3703	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program provides for improvements and upgrades to the 68 SPU-owned wastewater pump stations and force mains. Typical improvements may include, but are not limited to, replacement of existing pump station assets including pumps, motors, and valves, and installation of new assets such as SCADA systems, generators, and emergency plugs. This program enhances and extends the useful life of the existing pump stations which, in turn, protects water quality. This program was included in the 2009-2014 Adopted CIP as C3102.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	3,255	657	1,022	1,040	1,758	1,858	2,251	2,432	14,273
Project Total:	3,255	657	1,022	1,040	1,758	1,858	2,251	2,432	14,273
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	3,255	657	1,022	1,040	1,758	1,858	2,251	2,432	14,273
Appropriations total:	3,255	657	1,022	1,040	1,758	1,858	2,251	2,432	14,273
O & M Costs (Savings)			110	110	110	110	110	110	660
Spending Plan		509	1,022	1,040	1,758	1,858	2,251	2,432	10,870

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Seattle Public Utilities

S Genesee Combined Sewer Overflow

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	New Facility	Start Date:	Q1/2005
Project ID:	C303103	End Date:	Q4/2017
Location:	S Genesee St.		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Southeast	Urban Village:	Not in an Urban Village

This project provides construction of combined sewer overflows (CSO) facilities in the Genesee area in the southeast part of Seattle. Facilities will be built to meet level of service requirements for CSOs and comply with state and federal regulations. The project will meet requirements of the City's current National Pollutant Discharge Elimination System (NPDES) Wastewater Discharge Permit. Maintenance costs will not begin until after 2017, when the project completes construction.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,217	2,296	3,162	3,849	5,306	5,412	24,290	24,776	71,310
Project Total:	2,217	2,296	3,162	3,849	5,306	5,412	24,290	24,776	71,310
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,217	2,296	3,162	3,849	5,306	5,412	24,290	24,776	71,310
Appropriations total:	2,217	2,296	3,162	3,849	5,306	5,412	24,290	24,776	71,310
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,296	3,162	3,849	5,306	5,412	24,290	24,776	69,091

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Seattle Public Utilities

S Henderson Combined Sewer Overflow Storage

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	New Facility	Start Date:	Q1/2005
Project ID:	C304102	End Date:	Q4/2020
Location:	S Henderson St.		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Southeast	Urban Village:	Not in an Urban Village

This project provides construction of combined sewer overflows (CSO) facilities in the Henderson area in the southeast part of Seattle. Facilities will be built to meet level of service requirements for CSOs and comply with state and federal regulations. The project will meet requirements of the City's current National Pollutant Discharge Elimination System (NPDES) Wastewater Discharge Permit. Maintenance costs will not begin until after 2020, when the project completes construction.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	2,534	2,368	2,754	5,722	7,428	7,577	4,968	13,514	46,866
Project Total:	2,534	2,368	2,754	5,722	7,428	7,577	4,968	13,514	46,866
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	2,534	2,368	2,754	5,722	7,428	7,577	4,968	13,514	46,866
Appropriations total:	2,534	2,368	2,754	5,722	7,428	7,577	4,968	13,514	46,866
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,368	2,754	5,722	7,428	7,577	4,968	13,514	44,331

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Seattle Public Utilities

Salmon Bay Phase 2 Acquisition & Restoration

BCL/Program Name:	Protection of Beneficial Uses	BCL/Program Code:	C333B
Project Type:	Improved Facility	Start Date:	Q2/2003
Project ID:	C333307	End Date:	Q1/2010
Location:	Salmon Bay		
Neighborhood Plan:	Crown Hill/Ballard	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Northwest	Urban Village:	Not in an Urban Village

This project provides improvements in the only remaining wooded shoreline in Ballard at the 34th Ave street end. Improvements include land acquisition for juvenile salmon, property clearing for public access, pedestrian paths, and a public viewing area with interpretive signage. The final stage of work, shoreline restoration, will start in the 3rd quarter of 2009 and end in the 1st quarter of 2010. This project highlights the importance of the area for salmon use, the historical alterations of the estuary, and present and historic Native American use of the area.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	1,188	551	1	0	0	0	0	0	1,740
Project Total:	1,188	551	1	0	0	0	0	0	1,740
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	1,188	551	1	0	0	0	0	0	1,740
Appropriations total:	1,188	551	1	0	0	0	0	0	1,740
O & M Costs (Savings)			17	17	17	17	17	17	102
Spending Plan		550	1	0	0	0	0	0	551

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

Seattle Public Utilities

Sanitary Sewer Overflow Capacity

BCL/Program Name:	Flooding, Sewer Back-up, and Landslides	BCL/Program Code:	C380B
Project Type:	New Investment	Start Date:	Q2/2002
Project ID:	C302205	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing project provides capacity improvements to the existing Seattle wastewater conveyance system. Typical improvements may include, but are not limited to, increasing the diameter of existing pipes or installing additional relief pipes to eliminate or avoid sewer backups and overflows. Due to budget constraints this project is being put on hold until 2012.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	1,219	978	0	0	2,099	2,313	3,602	6,338	16,548
Project Total:	1,219	978	0	0	2,099	2,313	3,602	6,338	16,548
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	1,219	978	0	0	2,099	2,313	3,602	6,338	16,548
Appropriations total:	1,219	978	0	0	2,099	2,313	3,602	6,338	16,548
O & M Costs (Savings)			0	0	165	165	165	165	660
Spending Plan		900	0	0	2,099	2,313	3,602	6,338	15,252

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

Seattle Public Utilities

Security Improvements - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C4113-DWF	End Date:	Q4/2015
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program provides physical integrated security system components throughout the City of Seattle. Typical improvements 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	944	29	26	2	2	3	5	4	1,016
Project Total:	944	29	26	2	2	3	5	4	1,016
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	944	29	26	2	2	3	5	4	1,016
Appropriations total:	944	29	26	2	2	3	5	4	1,016
O & M Costs (Savings)			12	12	12	12	12	12	72
Spending Plan		309	26	2	2	3	5	4	351

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

Seattle Public Utilities

Sediment Remediation - DWF

BCL/Program Name:	Sediments	BCL/Program Code:	C350B
Project Type:	Rehabilitation or Restoration	Start Date:	Q4/2000
Project ID:	C3503	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program provides for City of Seattle participation in cleanup of contaminated sediment sites at multiple locations across the city for which the City's drainage and wastewater utilities may have some liability. Typical phases of such projects include preliminary studies and analyses, preliminary engineering for actual cleanup efforts, and liability allocation negotiations. This program enhances the natural environment of Seattle and addresses both state and federal regulatory agency requirements.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	15,392	2,343	2,732	5,929	11,024	10,506	5,411	243	53,580
Project Total:	15,392	2,343	2,732	5,929	11,024	10,506	5,411	243	53,580
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	15,392	2,343	2,732	5,929	11,024	10,506	5,411	243	53,580
Appropriations total:	15,392	2,343	2,732	5,929	11,024	10,506	5,411	243	53,580
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,867	2,732	5,929	11,024	10,506	5,411	243	38,712

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

Seattle Public Utilities

Sewer Emergency Rehabilitation

BCL/Program Name: Rehabilitation **BCL/Program Code:** C370B
Project Type: Rehabilitation or Restoration **Start Date:** Q1/1998
Project ID: C309007 **End Date:** Ongoing
Location: Citywide
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** In more than one Urban Village

This ongoing project provides emergency sewer response to collapsed mainlines, surface street subsidence or voids resulting from leaking pipes, and storm-related incidents in Seattle. Typical improvements may include, but are not limited to, rehabilitation or replacement of structurally damaged pipes in the wastewater collection system that caused the emergency and restoring surrounding areas. Rehabilitation or replacement quickly corrects the situation, avoids repeat incident, and extends the life of the asset. This project was included in the 2009-2014 Adopted CIP as C3AA404.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	4,622	645	699	792	836	980	1,000	1,020	10,594
Project Total:	4,622	645	699	792	836	980	1,000	1,020	10,594
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	4,622	645	699	792	836	980	1,000	1,020	10,594
Appropriations total:	4,622	645	699	792	836	980	1,000	1,020	10,594
O & M Costs (Savings)			53	53	53	53	53	53	318
Spending Plan		650	699	792	836	980	1,000	1,020	5,977

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Sewer Full Line Replacements

BCL/Program Name: Rehabilitation **BCL/Program Code:** C370B
Project Type: Rehabilitation or Restoration **Start Date:** Q1/2001
Project ID: C3702 **End Date:** Ongoing
Location: Citywide
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** In more than one Urban Village

This ongoing program provides for replacement of existing sewer lines citywide with pipes of the same diameter and capacity. Closed circuit television inspections identify defects in sewer mainlines, and each mainline defect is catalogued in an SPU database and assigned a priority that reflects the urgency of repair. Replacement is done by pipe-bursting methods that avoid extended pavement cutting. Due to budget constraints this project is being put on hold until 2011. This program was included in the 2009-2014 Adopted CIP as C3202.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	190	392	0	408	438	464	497	525	2,914
Project Total:	190	392	0	408	438	464	497	525	2,914
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	190	392	0	408	438	464	497	525	2,914
Appropriations total:	190	392	0	408	438	464	497	525	2,914
O & M Costs (Savings)			0	27	27	27	27	27	135
Spending Plan		0	0	408	438	464	497	525	2,332

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Sound Transit - East & North Links - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2009
Project ID:	C4122-DWF	End Date:	Q4/2015
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project funds environmental review of impacts to SPU infrastructure in anticipation of relocation, replacement, and protection of drainage and wastewater infrastructure affected by the development of Sound Transit's Link Light Rail System for the East & North Links. No spending is currently anticipated in the 2010-2015 timeframe, but this project will remain open as a placeholder for possible future spending.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	0	25	0	0	0	0	0	0	25
Project Total:	0	25	0	0	0	0	0	0	25
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	0	25	0	0	0	0	0	0	25
Appropriations total:	0	25	0	0	0	0	0	0	25
O & M Costs (Savings)			0	0	0	0	0	0	0

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Sound Transit – University Link - DWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	New Facility	Start Date:	Q1/2007
Project ID:	C4110-DWF	End Date:	Q4/2015
Location:	Various		
Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This program funds relocation, replacement, and protection of drainage and wastewater 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	104	273	50	39	40	62	34	31	632
Project Total:	104	273	50	39	40	62	34	31	632
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	104	273	50	39	40	62	34	31	632
Appropriations total:	104	273	50	39	40	62	34	31	632
O & M Costs (Savings)			0	0	0	0	8	8	16
Spending Plan		255	50	39	40	62	34	31	511

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Seattle Public Utilities

South Park Pump Station

BCL/Program Name:	Flooding, Sewer Back-up, and Landslides	BCL/Program Code:	C380B
Project Type:	New Facility	Start Date:	Q3/2008
Project ID:	C308011	End Date:	Q4/2011
Location:	S Riverside Dr/7th Ave S		
Neighborhood Plan:	South Park	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	Duwamish

This project provides for the construction of a pump station and water quality facility in the South Park Basin. The pump station will allow the existing storm drain trunk to meet the level of service adopted in the 2004 Comprehensive Drainage Plan. In turn, this will allow the collection system to be expanded to address many of the flooding problems in the South Park Basin in the future. The site is adjacent to an existing storm drain outfall into the Duwamish, and water quality enhancements may include, but are not limited to, the pick-up and replacement of sediment-trapping canisters.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	1,266	5,752	9,081	81	0	0	0	0	16,181
Project Total:	1,266	5,752	9,081	81	0	0	0	0	16,181
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	1,266	5,752	9,081	81	0	0	0	0	16,181
Appropriations total:	1,266	5,752	9,081	81	0	0	0	0	16,181
O & M Costs (Savings)			175	175	175	175	175	175	1,050
Spending Plan		5,752	9,081	81	0	0	0	0	14,914

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Seattle Public Utilities

SR 519 Interchange

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2008
Project ID:	C409016	End Date:	Q4/2010
Location:	S Royal Brougham Wy & 1st Ave S		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	In more than one Urban Village

This project protects and/or replaces drainage and wastewater infrastructure affected by Washington State Department of Transportation's (WSDOT's) work to improve the State Route 519 Interchange, south of downtown. This design/build project needs to be completed prior to demolition of the Alaskan Way Viaduct. It is too early in the project to determine the impact on operation and maintenance costs or savings as a result of this project.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	215	207	107	0	0	0	0	0	528
Project Total:	215	207	107	0	0	0	0	0	528
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	215	207	107	0	0	0	0	0	528
Appropriations total:	215	207	107	0	0	0	0	0	528
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		207	107	0	0	0	0	0	314

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Seattle Public Utilities

Taylor Creek Culvert Replacement

BCL/Program Name:	Protection of Beneficial Uses	BCL/Program Code:	C333B
Project Type:	New Facility	Start Date:	Q4/1999
Project ID:	C399315	End Date:	Q4/2015
Location:	Taylor Creek at Rainier Ave S		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Southeast	Urban Village:	Not in an Urban Village

This project provides funding to replace the barrier culvert at Rainier Avenue South for lower Taylor Creek. Design alternatives include rerouting and other habitat improvements. The Taylor Creek culvert at Rainier Avenue South is the number one fish-passage barrier in the city that blocks access to a majority of spawning and rearing habitat in upper Taylor Creek to all species of salmonids. Due to budget constraints this project is being put on hold until 2012.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	698	106	0	0	113	550	1,201	127	2,794
Project Total:	698	106	0	0	113	550	1,201	127	2,794
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	698	106	0	0	113	550	1,201	127	2,794
Appropriations total:	698	106	0	0	113	550	1,201	127	2,794
O & M Costs (Savings)			0	0	0	0	0	28	28
Spending Plan		0	0	0	113	550	1,201	127	1,991

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Seattle Public Utilities

Thornton Creek Water Quality Channel Project

BCL/Program Name:	Protection of Beneficial Uses	BCL/Program Code:	C333B
Project Type:	New Facility	Start Date:	Q4/2004
Project ID:	C343306	End Date:	Q4/2011
Location:	330 NE 100th Street		
Neighborhood Plan:	Northgate	Neighborhood Plan Matrix:	N/A
Neighborhood District:	North	Urban Village:	Northgate

This project provides preliminary engineering, design, and construction of a water quality facility on the south lot of Northgate Mall. The project includes excavation of fill material and creation of a water quality channel for storm flow from the existing public drainage system under NE 100th St. at 3rd Avenue NE. The project also includes improvements to pedestrian access and landscaping. The collaboration with private enterprise has resulted in land development with open space, natural drainage and economic viability, as well as enhanced water quality.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	13,691	774	150	23	0	0	0	0	14,638
Project Total:	13,691	774	150	23	0	0	0	0	14,638
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	13,691	774	150	23	0	0	0	0	14,638
Appropriations total:	13,691	774	150	23	0	0	0	0	14,638
O & M Costs (Savings)			146	146	146	146	146	146	876
Spending Plan		774	150	23	0	0	0	0	947

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Windermere Combined Sewer Overflow Storage

BCL/Program Name:	Combined Sewer Overflows	BCL/Program Code:	C360B
Project Type:	New Facility	Start Date:	Q2/2002
Project ID:	C302103	End Date:	Q4/2015
Location:	Windermere Basin		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Northeast	Urban Village:	Not in an Urban Village

This project provides construction of off-line storage and best management practice combined sewer overflow (CSO) facilities in the Windermere area in the northeast part of Seattle. Facilities will be built to meet water quality standards for Lake Washington in accordance with state and federal regulations. The project also intends to meet requirements of the City's current CSO National Pollutant Discharge Elimination System (NPDES) permit. Maintenance costs will not begin until after 2015, when construction is completed.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Drainage and Wastewater Rates	3,798	2,445	8,181	7,794	16,186	14,767	2,512	2,718	58,402
Project Total:	3,798	2,445	8,181	7,794	16,186	14,767	2,512	2,718	58,402
Fund Appropriations/Allocations									
Drainage and Wastewater Fund	3,798	2,445	8,181	7,794	16,186	14,767	2,512	2,718	58,402
Appropriations total:	3,798	2,445	8,181	7,794	16,186	14,767	2,512	2,718	58,402
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,445	8,181	7,794	16,186	14,767	2,512	2,718	54,603

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**SPU -
SOLID WASTE**

Overview of Facilities and Programs

Seattle Public Utilities (SPU) is responsible for the collection and disposal of solid waste generated within the City of Seattle. To fulfill this responsibility the City owns two recycling and disposal stations, two household hazardous waste facilities, and a fleet of trucks and heavy equipment. In addition, the Solid Waste Capital Improvement Plan (CIP) supports post-closure projects on two landfills previously used by the City.

The City's solid waste collection system consists of the South Recycling and Disposal Station, located in the South Park area of the city, and the North Recycling and Disposal Station, located just north of the Lake Washington Ship Canal near Stone Way. The South Household Hazardous Waste facility is located on the same site as the South Station, while the North Household Hazardous Waste facility is located at North 125th Street, adjacent to the City-owned Haller Lake shops.

Private contractors collect household refuse and recyclables and deliver the waste to the recycling and disposal stations for its ultimate disposal. Private contractors also collect the City's commercial waste and deliver some of that waste to the City's recycling and disposal stations. Self-haulers, private individuals, and small contractors can also deliver their own refuse to the stations. Once deposited at a station, the trash is processed through a large compaction machine and placed in a sealed shipping container. This container is hauled by solid waste fleet trucks to the Union Pacific Railhead where it is placed on a train. Six times a week, the trains carry the loaded containers to a privately-owned regional landfill in eastern Oregon, where final disposal is accomplished. The trains return with empty containers to be refilled. Self-haulers may also bring their recyclables to the recycling and disposal stations. Materials are separated by the customer and placed in large bins. Once the bins are full, Solid Waste Field Operations personnel haul these bins to private recyclers for processing. Large goods (refrigerators, stoves, etc.) may also be brought to the stations for recycling. Customers can also bring unused pesticides and solvents to one of the two household hazardous waste sites. The City contracts with a private company to pick up and dispose of these materials.

The Solid Waste CIP is funded through solid waste rates and revenue bonds. Overhead costs for the CIP (such as rent and utilities) are currently budgeted in SPU's operating budget and then repaid as CIP expenditures are incurred.

Highlights

- **South Transfer Station Rebuild:** This project will replace the existing solid waste transfer station, which was built in 1966. The existing station is outdated and nearing the end of its useful life. The design and construction of replacement facilities include demolition of existing structures, excavation and removal of contaminated soil, backfill with clean soil, clean-up of the bus yard, re-alignment of a subsurface storm drain pipe to the perimeter of the site, demolition of the new recycling and reuse facilities, a household hazardous waste facility, and other utility facilities.
- **North Transfer Station Rebuild:** This project will replace the existing North Recycling and Disposal Station which was built in 1967. The existing station is outdated and nearing the end of its useful life. The design and construction of the new facility includes the demolition of the existing transfer station, demolition of a warehouse building, new administrative building, employee facilities, recycling facilities, and other utility facilities. It also includes upgrading the parking lot for station parking. These two projects provide essential facilities for solid waste management in the City and enhance the recycling capability. It also provides the citizens of Seattle with sufficient recycling and solid waste services. Costs for both rebuilds include State Environmental Policy Act (SEPA) evaluations, permitting, property acquisition, design, construction, and purchase of facility equipment.

Project Selection Process

SPU has adopted an asset management methodology for selecting projects to build. This triple bottom line approach includes an in-depth analysis of the project's economic, social, and environmental benefits, and the ability to meet customer service levels. Using this approach, SPU has established a consistent analytical and modeling framework to achieve the most economical balance between capital investments and operation and maintenance expenditures to minimize the life cycle costs of any capital asset.

The Asset Management Committee (AMC), a committee of senior SPU executives, reviews each project above a certain cost threshold – recently increased to \$1 million from \$250,000 – to insure that only projects that minimize lifecycle costs and meet triple-bottom-line criteria move forward. As a result of this analysis, several projects have been dropped when costs far exceed the benefits. Several cost-effective master planning efforts were approved to create up-to-date improvement and/or upgrade plans for several groups of assets. Other projects have been expanded or expedited because the benefits exceed the costs.

Program Category Summaries

The 2010-2015 Proposed Solid Waste CIP totals approximately \$33.9 million in 2010 (including Technology projects funded by the Solid Waste Fund, displayed in a separate section of this CIP). This is \$23.2 million less than the prior CIP largely due to delays in the transfer station rebuilds.

In the New Facilities Budget Control Level (BCL), the 2010 Proposed CIP is \$23.0 million lower than the prior CIP. This is mainly due to delays in the South Transfer Station Rebuild project, which required additional site preparation work required at the Bus Yard site. This work delayed the start of design and construction for approximately one and a half years. The North Transfer Station Rebuild project was increased slightly to support additional public outreach activities, preliminary engineering design work, preparation of a request for proposals for a design-build contractor, and review of submitted proposals. The South Park Development project's construction phase has been delayed to provide additional time to finalize pending cost-sharing agreements with potentially liable parties.

In the Rehabilitation and Heavy Equipment BCL, the 2010 Proposed CIP is \$0.4 million higher than the prior CIP due to changes in the conditions for the Kent Highlands Flare Improvements project. Recent modifications increased the useful life of the flares, moving replacement back to 2010.

In the Shared Cost Projects BCL, the 2010 Proposed CIP is \$0.2 million lower than the prior CIP due a delay in Operational Facility Construction to 2013.

The Solid Waste CIP is composed of four program categories, which are summarized below.

New Facilities: This program plans, designs, and constructs new facilities to enhance solid waste operations. In 2010, SPU continues the implementation of its Solid Waste Facilities Master Plan.

Rehabilitation and Heavy Equipment: This program designs and constructs projects to repair and/or upgrade solid waste facilities.

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 2010 the funding from the Solid Waste Fund includes money for the Operations Control Center Upgrade, Security Improvements, and Heavy Equipment Purchases.

Seattle Public Utilities – Solid Waste

Technology: This program makes use of recent technology advances to increase efficiency and productivity in addition to replacing vital systems that will no longer be supported beyond 2010. This program also includes Solid Waste portion of shared fund technology projects.

Anticipated Operating Expenses Associated with Capital Facilities Projects

When appropriate, the projects in the Solid Waste Fund CIP include operations and maintenance cost estimates. These estimates are refined after project completion and are included as part of SPU's budget.

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
New Facilities										C230B
Miscellaneous Station Improvements	C203005	1,587	194	309	312	318	216	110	0	3,048
South Park Development	C206402	427	2,426	920	391	166	905	6,117	3,789	15,140
South Recycling Disposal Station Household Hazardous Waste Relocation	C207002	0	0	0	0	0	0	2,208	0	2,208
North Transfer Station Rebuild	C207005	677	1,200	1,360	3,954	18,677	29,117	13,470	923	69,378
South Transfer Station Rebuild	C2302	14,281	9,255	22,298	30,918	11,666	3,659	14,800	10,482	117,359
New Facilities		16,972	13,075	24,887	35,575	30,827	33,897	36,705	15,194	207,132
Rehabilitation and Heavy Equipment										C240B
Kent Highlands Flare Improvement	C205404	162	222	522	0	0	0	0	0	906
Kent Highlands Agency Negotiations	C205406	237	21	12	21	21	32	22	0	366
Midway Agency Negotiations	C205407	70	26	9	52	27	27	28	0	238
Solid Waste Containers	C205412	2,057	10,260	4,500	0	0	0	0	0	16,817
Disaster Debris Management Plan	C206401	212	18	30	0	0	0	0	0	260
Historic Landfill Improvements	C206601	195	39	50	0	0	0	0	0	284
Midway Flare Improvements	C207003	0	72	76	10	21	0	0	0	179
2010 Solid Waste Comprehensive Plan Update	C209001	0	103	160	62	0	0	0	0	325
Rehabilitation and Heavy Equipment		2,933	10,759	5,359	146	69	60	50	0	19,375
Shared Cost Projects										C410B
Operations Control Center - SWF	C4105-SW	598	25	13	19	32	18	47	104	855
Operational Facility - Construction - SWF	C4106-SW	12	107	0	0	23	87	127	529	885
Security Improvements - SWF	C4113-SW	812	20	17	1	2	2	3	3	860
Operational Facility - Other - SWF	C4115-SW	60	70	0	0	0	0	0	0	130
Heavy Equipment Purchases - SWF	C4116-SW	1,146	2,564	1,610	1,555	1,841	2,137	2,403	2,078	15,334
1% for Art - SWF	C4118-SW	0	96	236	379	321	332	322	134	1,821
Shared Cost Projects		2,628	2,882	1,876	1,954	2,218	2,576	2,903	2,848	19,885
Technology										C510B

* Amounts are in thousands of dollars

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Budget Placeholders	C5401	0	0	0	427	1,645	1,532	1,716	2,077	7,397
Customer Contact & Billing	C5402	455	497	588	736	104	47	0	0	2,428
Information Management	C5403	127	247	192	211	290	218	169	128	1,581
IT Infrastructure	C5404	155	923	201	125	136	113	62	63	1,777
Project Delivery & Performance	C5405	321	504	306	104	64	0	0	0	1,299
Science Information Management	C5406	0	0	122	0	0	271	276	0	668
Technical Information Management	C5407	306	349	337	71	0	104	106	108	1,380
Technology		1,364	2,520	1,745	1,673	2,239	2,284	2,330	2,376	16,531
Department Total		23,897	29,236	33,867	39,347	35,353	38,816	41,987	20,418	262,923

** Amounts are in thousands of dollars*

Seattle Public Utilities

Fund Summary

Fund Name	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Solid Waste Fund	23,897	29,236	33,867	39,347	35,353	38,816	41,987	20,418	262,923
Department Total	23,897	29,236	33,867	39,347	35,353	38,816	41,987	20,418	262,923

** Amounts are in thousands of dollars*

Seattle Public Utilities

1% for Art – SWF

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

This ongoing program provides the Solid Waste 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	0	96	236	379	321	332	322	134	1,821
Project Total:	0	96	236	379	321	332	322	134	1,821
Fund Appropriations/Allocations									
Solid Waste Fund	0	96	236	379	321	332	322	134	1,821
Appropriations total:	0	96	236	379	321	332	322	134	1,821
O & M Costs (Savings)			4	4	4	4	4	4	24
Spending Plan		96	236	379	321	332	322	134	1,820

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

Seattle Public Utilities

2010 Solid Waste Comprehensive Plan Update

BCL/Program Name: Rehabilitation and Heavy Equipment **BCL/Program Code:** C240B
Project Type: New Investment **Start Date:** Q1/2009
Project ID: C209001 **End Date:** Q4/2011
Location: Citywide

Neighborhood Plan: In more than one Plan **Neighborhood Plan Matrix:**
Neighborhood District: In more than one District **Urban Village:** In more than one Urban

This project updates Seattle's Solid Waste Comprehensive Plan, which is required by the State of Washington every five years. The Comprehensive Plan guides the City's solid waste management. It is too early to determine the impact on Operation and Maintenance costs or savings as a result of this project.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	0	103	160	62	0	0	0	0	325
Project Total:	0	103	160	62	0	0	0	0	325
Fund Appropriations/Allocations									
Solid Waste Fund	0	103	160	62	0	0	0	0	325
Appropriations total:	0	103	160	62	0	0	0	0	325
O & M Costs (Savings)			2	2	0	0	0	0	4
Spending Plan		113	160	62	0	0	0	0	335

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

Seattle Public Utilities

Disaster Debris Management Plan

BCL/Program Name: Rehabilitation and Heavy Equipment **BCL/Program Code:** C240B
Project Type: Improved Facility **Start Date:** Q1/2006
Project ID: C206401 **End Date:** Q4/2010
Location: N/A

Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Not in a Neighborhood District **Urban Village:** Not in an Urban Village

This project develops a citywide disaster debris management plan. Federal grant funds have been requested. The scope of the plan will depend on grant funding levels and grant requirements.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	212	18	30	0	0	0	0	0	260
Project Total:	212	18	30	0	0	0	0	0	260
Fund Appropriations/Allocations									
Solid Waste Fund	212	18	30	0	0	0	0	0	260
Appropriations total:	212	18	30	0	0	0	0	0	260
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		20	30	0	0	0	0	0	50

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Heavy Equipment Purchases - SWF

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

This ongoing program provides SPU's Solid Waste Utility crews with new and replacement heavy equipment that is used throughout Seattle and in parts of King County. Typical purchases include loaders, dozers, class 8 trucks, rail container chassis, yard waste and metal trailers, backhoes, and yard "goats" (a type of tractor.) These equipment purchases provide safe and efficient loading, transfer and short haul transportation of garbage, yard waste, metal, and other recyclables to the rail yard for "long haul" to the landfill and to contracted recycling processors. This project is one of four SPU fund-specific heavy equipment CIP projects. True new O&M costs/savings are generally associated with future equipment "adds" and "upsizing" costs and are difficult to predict because they usually are the result of unanticipated new programs, new requirements, or increases in service levels, therefore O&M costs/savings are not calculated.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	1,146	2,564	1,610	1,555	1,841	2,137	2,403	2,078	15,334
Project Total:	1,146	2,564	1,610	1,555	1,841	2,137	2,403	2,078	15,334
Fund Appropriations/Allocations									
Solid Waste Fund	1,146	2,564	1,610	1,555	1,841	2,137	2,403	2,078	15,334
Appropriations total:	1,146	2,564	1,610	1,555	1,841	2,137	2,403	2,078	15,334
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,510	1,610	1,555	1,841	2,137	2,403	2,078	14,134

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Seattle Public Utilities

Historic Landfill Improvements

BCL/Program Name: Rehabilitation and Heavy Equipment **BCL/Program Code:** C240B
Project Type: Improved Facility **Start Date:** Q1/2006
Project ID: C206601 **End Date:** Q4/2010
Location: Citywide

Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Not in a Neighborhood District **Urban Village:** Not in an Urban Village

This project provides improvements at historic landfills within the City as required by Public Health to ensure protection of human health and the environment. These improvements include underground gas extractions, which are necessary when high levels of gasses are detected.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	195	39	50	0	0	0	0	0	284
Project Total:	195	39	50	0	0	0	0	0	284
Fund Appropriations/Allocations									
Solid Waste Fund	195	39	50	0	0	0	0	0	284
Appropriations total:	195	39	50	0	0	0	0	0	284
O & M Costs (Savings)			1	0	0	0	0	0	1
Spending Plan		50	50	0	0	0	0	0	100

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Seattle Public Utilities

Kent Highlands Agency Negotiations

BCL/Program Name:	Rehabilitation and Heavy Equipment	BCL/Program Code:	C240B
Project Type:	Improved Facility	Start Date:	Q1/2005
Project ID:	C205406	End Date:	Ongoing
Location:	23076 Military Rd S, Kent		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project provides funding for the required environmental and feasibility studies to demonstrate the effectiveness of the Kent Highlands landfill closure project. These efforts and negotiations are required under the existing Consent Order with the State Department of Ecology. These efforts validate that current environmental controls are effective and reduce the likelihood of additional capital or O&M expenditures.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	237	21	12	21	21	32	22	0	366
Project Total:	237	21	12	21	21	32	22	0	366
Fund Appropriations/Allocations									
Solid Waste Fund	237	21	12	21	21	32	22	0	366
Appropriations total:	237	21	12	21	21	32	22	0	366
O & M Costs (Savings)			1	1	1	1	1	0	5
Spending Plan		20	12	21	21	32	22	0	128

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Seattle Public Utilities

Kent Highlands Flare Improvement

BCL/Program Name:	Rehabilitation and Heavy Equipment	BCL/Program Code:	C240B
Project Type:	Improved Facility	Start Date:	Q1/2006
Project ID:	C205404	End Date:	Q4/2010
Location:	23076 Military Rd S, Kent		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project retrofits the existing Kent Highlands flare facility. The existing Kent Highlands flare facility was constructed in 1993. Landfill gas flow rates have declined since that time. Minor modifications have increased the useful life of the flares. To ensure that SPU maintains regulatory compliance a smaller flare is required. This project funds the construction of a new flare that matches anticipated gas flows.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	162	222	522	0	0	0	0	0	906
Project Total:	162	222	522	0	0	0	0	0	906
Fund Appropriations/Allocations									
Solid Waste Fund	162	222	522	0	0	0	0	0	906
Appropriations total:	162	222	522	0	0	0	0	0	906
O & M Costs (Savings)			5	0	0	0	0	0	5
Spending Plan		500	522	0	0	0	0	0	1,022

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Seattle Public Utilities

Midway Agency Negotiations

BCL/Program Name:	Rehabilitation and Heavy Equipment	BCL/Program Code:	C240B
Project Type:	Improved Facility	Start Date:	Q1/2005
Project ID:	C205407	End Date:	Ongoing
Location:	24808 Pacific Hwy S, Kent		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project provides funding for the required environmental and feasibility studies to demonstrate the effectiveness of the Midway landfill closure project. These efforts and negotiations are required under the existing Consent Decree with the State Department of Ecology. These efforts validate that current environmental controls are effective and reduce the likelihood of additional capital or O&M expenditures.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	70	26	9	52	27	27	28	0	238
Project Total:	70	26	9	52	27	27	28	0	238
Fund Appropriations/Allocations									
Solid Waste Fund	70	26	9	52	27	27	28	0	238
Appropriations total:	70	26	9	52	27	27	28	0	238
O & M Costs (Savings)			1	1	1	1	1	0	7
Spending Plan		25	9	52	27	27	28	0	168

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Seattle Public Utilities

Midway Flare Improvements

BCL/Program Name: Rehabilitation and Heavy Equipment **BCL/Program Code:** C240B
Project Type: Improved Facility **Start Date:** Q1/2007
Project ID: C207003 **End Date:** Q4/2012
Location: 24808 Pacific Hwy S, Kent
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Not in a Neighborhood District **Urban Village:** Not in an Urban Village

This project retrofits the existing Midway flare facility. The existing Midway flare facility was constructed in 1989. Landfill gas flow rates have declined since that time. One new flare was installed in 2001 and other minor modifications have increased the useful life of the facility. To ensure that SPU maintains regulatory compliance a smaller flare or new technology will be required. This project funds the research, design and construction of new facility equipment that matches anticipated gas flows.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	0	72	76	10	21	0	0	0	179
Project Total:	0	72	76	10	21	0	0	0	179
Fund Appropriations/Allocations									
Solid Waste Fund	0	72	76	10	21	0	0	0	179
Appropriations total:	0	72	76	10	21	0	0	0	179
O & M Costs (Savings)			1	1	1	0	0	0	3
Spending Plan		50	76	10	21	0	0	0	157

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Miscellaneous Station Improvements

BCL/Program Name:	New Facilities	BCL/Program Code:	C230B
Project Type:	Improved Facility	Start Date:	Q4/2003
Project ID:	C203005	End Date:	Q4/2014
Location:	8101 2nd Ave S		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	Duwamish

This project provides repairs to the existing City solid waste transfer stations. The existing City solid waste transfer stations were constructed in 1966 and are at the end of their useful life. This project allows short term actions to ensure that these facilities operate reliably and safely, pending the completion of the Solid Waste Facilities Master Plan. The work includes emergency repair of a scale deck, installation of protective walls, replacement of a failing retaining wall, and temporary replacement/refurbishment of aging crew facilities.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	1,587	194	309	312	318	216	110	0	3,048
Project Total:	1,587	194	309	312	318	216	110	0	3,048
Fund Appropriations/Allocations									
Solid Waste Fund	1,587	194	309	312	318	216	110	0	3,048
Appropriations total:	1,587	194	309	312	318	216	110	0	3,048
O & M Costs (Savings)			13	13	13	13	13	0	63
Spending Plan		980	309	312	318	216	110	0	2,245

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Seattle Public Utilities

North Transfer Station Rebuild

BCL/Program Name:	New Facilities	BCL/Program Code:	C230B
Project Type:	New Facility	Start Date:	Q1/2006
Project ID:	C207005	End Date:	Q4/2015
Location:	1350 N 34th St		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Lake Union	Urban Village:	Not in an Urban Village

This project provides for the replacement of the existing North Recycling and Disposal Station (NRDS) in Wallingford. The existing station was built in 1967 and is outdated and nearing the end of its useful life. The design and construction of a new facility includes the demolition of the existing transfer station and construction of a new transfer station on the existing site. It also includes demolition of a warehouse building on the adjacent property to the east and construction of a new administrative building, employee facilities, recycling facilities, other utility facilities, and upgrading the parking lot to the northeast of the existing station for station parking. This project provides essential facilities for solid waste management in the city and enhances the recycling capability.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	677	1,200	1,360	3,954	18,677	29,117	13,470	923	69,378
Project Total:	677	1,200	1,360	3,954	18,677	29,117	13,470	923	69,378
Fund Appropriations/Allocations									
Solid Waste Fund	677	1,200	1,360	3,954	18,677	29,117	13,470	923	69,378
Appropriations total:	677	1,200	1,360	3,954	18,677	29,117	13,470	923	69,378
O & M Costs (Savings)			675	675	675	675	675	675	4,050
Spending Plan		198	1,360	3,954	18,677	29,117	13,470	923	67,699

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

Seattle Public Utilities

Operational Facility - Construction - SWF

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

This ongoing facilities program renovates, rehabilitates, 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	12	107	0	0	23	87	127	529	885
Project Total:	12	107	0	0	23	87	127	529	885
Fund Appropriations/Allocations									
Solid Waste Fund	12	107	0	0	23	87	127	529	885
Appropriations total:	12	107	0	0	23	87	127	529	885
O & M Costs (Savings)			33	33	33	33	33	33	198
Spending Plan		0	0	0	23	87	127	529	766

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Seattle Public Utilities

Operational Facility - Other - SWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2006
Project ID:	C4115-SWF	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood 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 solid waste systems, prefabricated buildings, storage buildings, and fencing. Specific projects have been identified through 2010. As future projects are identified, necessary funding will be requested.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	60	70	0	0	0	0	0	0	130
Project Total:	60	70	0	0	0	0	0	0	130
Fund Appropriations/Allocations									
Solid Waste Fund	60	70	0	0	0	0	0	0	130
Appropriations total:	60	70	0	0	0	0	0	0	130
O & M Costs (Savings)			4	4	4	4	4	4	24
Spending Plan		70	20	0	0	0	0	0	90

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Seattle Public Utilities

Operations Control Center - SWF

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

This ongoing facilities program renovates, rehabilitates, 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	598	25	13	19	32	18	47	104	855
Project Total:	598	25	13	19	32	18	47	104	855
Fund Appropriations/Allocations									
Solid Waste Fund	598	25	13	19	32	18	47	104	855
Appropriations total:	598	25	13	19	32	18	47	104	855
O & M Costs (Savings)			9	9	9	9	9	9	54
Spending Plan		25	13	19	32	18	47	104	258

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Seattle Public Utilities

Security Improvements - SWF

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C4113-SWF	End Date:	Q4/2015
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an Urban Village

This ongoing program funds physical, integrated security system components at Solid Waste infrastructure sites 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	812	20	17	1	2	2	3	3	860
Project Total:	812	20	17	1	2	2	3	3	860
Fund Appropriations/Allocations									
Solid Waste Fund	812	20	17	1	2	2	3	3	860
Appropriations total:	812	20	17	1	2	2	3	3	860
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		20	17	1	2	2	3	3	48

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Seattle Public Utilities

Solid Waste Containers

BCL/Program Name: Rehabilitation and Heavy Equipment **BCL/Program Code:** C240B
Project Type: New Investment **Start Date:** Q1/2005
Project ID: C205412 **End Date:** Q4/2010
Location: N/A
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Not in a Neighborhood District **Urban Village:** Not in an Urban Village

This project funds the acquisition of carts, cans, and dumpsters to support the collection of garbage, food, yardwaste, and recyclables under the new collection contracts. The desired inventory level is expected to be achieved by the end of 2010. The need for new containers in 2011 and later will be re-evaluated in the context of possible service level changes, such as every-other-week garbage collection, during the next rate review.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	2,057	10,260	4,500	0	0	0	0	0	16,817
Project Total:	2,057	10,260	4,500	0	0	0	0	0	16,817
Fund Appropriations/Allocations									
Solid Waste Fund	2,057	10,260	4,500	0	0	0	0	0	16,817
Appropriations total:	2,057	10,260	4,500	0	0	0	0	0	16,817
O & M Costs (Savings)			45	0	0	0	0	0	45

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Seattle Public Utilities

South Park Development

BCL/Program Name:	New Facilities	BCL/Program Code:	C230B
Project Type:	Improved Facility	Start Date:	Q2/2006
Project ID:	C206402	End Date:	Q4/2015
Location:	8100 2nd Ave S		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	Duwamish

This project complies with a Washington State Department of Ecology Agreed Order to conduct a Remedial Investigation and Feasibility Study of the historic South Park Landfill site. The project covers investigation and eventual remediation of the landfill site to protect human health and the environment. Final cost allocation among potentially liable parties will occur at a later stage in the project.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	427	2,426	920	391	166	905	6,117	3,789	15,140
Project Total:	427	2,426	920	391	166	905	6,117	3,789	15,140
Fund Appropriations/Allocations									
Solid Waste Fund	427	2,426	920	391	166	905	6,117	3,789	15,140
Appropriations total:	427	2,426	920	391	166	905	6,117	3,789	15,140
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		336	920	391	166	905	6,117	3,789	12,624

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Seattle Public Utilities

South Recycling Disposal Station Household Hazardous Waste Relocation

BCL/Program Name:	New Facilities	BCL/Program Code:	C230B
Project Type:	Improved Facility	Start Date:	Q1/2014
Project ID:	C207002	End Date:	Q4/2015
Location:	8105 5th Ave S		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	Duwamish

This project relocates the South Household Hazardous Waste (SHHW) facility. This project makes facility improvements required by code and ensures other South Recycling and Disposal Station (SRDS) redevelopment efforts are not constrained. Work on the North Transfer Station and South Transfer Station projects needs to be complete before this project can start.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	0	0	0	0	0	0	2,208	0	2,208
Project Total:	0	0	0	0	0	0	2,208	0	2,208
Fund Appropriations/Allocations									
Solid Waste Fund	0	0	0	0	0	0	2,208	0	2,208
Appropriations total:	0	0	0	0	0	0	2,208	0	2,208
O & M Costs (Savings)			0	0	0	0	0	0	0

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Seattle Public Utilities

South Transfer Station Rebuild

BCL/Program Name:	New Facilities	BCL/Program Code:	C230B
Project Type:	New Facility	Start Date:	Q1/2006
Project ID:	C2302	End Date:	Q4/2015
Location:	8100 2nd AVE S		
Neighborhood Plan:	Duwamish	Neighborhood Plan Matrix:	
Neighborhood District:	Greater Duwamish	Urban Village:	Duwamish

This program provides for the replacement of the existing South Recycling and Disposal Station (SRDS) in South Park. The existing solid waste transfer station was built in 1966 and is outdated and nearing the end of its useful life. The design and construction of replacement facilities is a two phase project. The first phase includes the development of a new transfer station and associated facilities adjacent to the existing facility on a 9.1 acre parcel to the northwest of the existing station. The second phase includes demolition of the existing facilities and development of new recycling and reuse facilities, a household hazardous waste facility, and other utility facilities. This program also allows for clean up at the bus-yard facility. This program provides essential facilities for solid waste management in the city and enhances the recycling capability. This program was included in the 2009-2014 Adopted CIP as C207006.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Solid Waste Rates	14,281	9,255	22,298	30,918	11,666	3,659	14,800	10,482	117,359
Project Total:	14,281	9,255	22,298	30,918	11,666	3,659	14,800	10,482	117,359
Fund Appropriations/Allocations									
Solid Waste Fund	14,281	9,255	22,298	30,918	11,666	3,659	14,800	10,482	117,359
Appropriations total:	14,281	9,255	22,298	30,918	11,666	3,659	14,800	10,482	117,359
O & M Costs (Savings)			995	995	995	995	995	995	5,971

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**SPU -
TECHNOLOGY
PROJECTS**

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Technology										C510B
Budget Placeholders	C5401	0	0	0	2,242	8,710	9,769	11,400	12,191	44,311
Customer Contact & Billing	C5402	1,429	1,934	2,523	2,336	424	216	0	0	8,863
Information Management	C5403	774	1,275	1,105	1,555	1,613	1,158	850	586	8,916
IT Infrastructure	C5404	1,294	3,565	1,350	780	849	704	386	394	9,323
Project Delivery & Performance	C5405	1,139	3,355	2,196	1,040	637	0	0	0	8,367
Science Information Management	C5406	258	429	935	1,082	902	974	442	169	5,190
Technical Information Management	C5407	1,419	2,398	2,315	1,212	72	649	662	676	9,403
Technology		6,313	12,956	10,424	10,248	13,207	13,471	13,740	14,015	94,374
Department Total		6,313	12,956	10,424	10,248	13,207	13,471	13,740	14,015	94,374

* Amounts are in thousands of dollars

Seattle Public Utilities

Fund Summary

Fund Name	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Drainage and Wastewater Fund	2,315	4,704	4,045	3,895	5,113	5,215	5,320	5,426	36,032
Solid Waste Fund	1,364	2,520	1,745	1,673	2,239	2,284	2,330	2,376	16,531
Water Fund	2,634	5,732	4,634	4,679	5,855	5,972	6,091	6,213	41,810
Department Total	6,313	12,956	10,424	10,248	13,207	13,471	13,740	14,015	94,374

** Amounts are in thousands of dollars*

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Budget Placeholders

BCL/Program Name:	Technology	BCL/Program Code:	C510B
Project Type:	New Investment	Start Date:	Ongoing
Project ID:	C5401	End Date:	Ongoing
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program sets aside funds for future technology investments in years 2011-2015 that are not yet identified, with the recognition that technologies and technology demands continue to evolve and have a shorter life cycle than public works investments. Funds will be spent only after the development and approval of specific projects through the 2011-2015 budget processes. This program was included in the 2009-2014 Adopted CIP as C5305.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	0	0	883	3,547	4,228	5,064	5,311	19,033
Drainage and Wastewater Rates	0	0	0	931	3,518	4,009	4,620	4,802	17,880
Solid Waste Rates	0	0	0	427	1,645	1,532	1,716	2,077	7,397
Project Total:	0	0	0	2,242	8,710	9,769	11,400	12,191	44,311
Fund Appropriations/Allocations									
Water Fund	0	0	0	883	3,547	4,228	5,064	5,311	19,033
Drainage and Wastewater Fund	0	0	0	931	3,518	4,009	4,620	4,802	17,880
Solid Waste Fund	0	0	0	427	1,645	1,532	1,716	2,077	7,397
Appropriations total:	0	0	0	2,242	8,710	9,769	11,400	12,191	44,311
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		0	0	2,242	8,710	9,769	11,400	12,191	44,312

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

Seattle Public Utilities

Customer Contact & Billing

BCL/Program Name:	Technology	BCL/Program Code:	C510B
Project Type:	New Investment	Start Date:	Ongoing
Project ID:	C5402	End Date:	Ongoing
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program will provide technology solutions and business application upgrades in support of SPU's Customer Contact Center and activities carried out by the Customer Service Branch. Planned projects include, but are not limited to, a Drainage Billing System, an upgrade to the Consolidated Customer Service System, and new technology solutions for enhanced customer contact management. This program is intended to enhance customer service, ensure accurate billing, and improve efficiency in the Call Center. Specific projects have been identified through 2013; budget for years 2014-2015 is reflected in the Budget Placeholder line item. This program was included in the 2009-2014 Adopted CIP as C5302 and C5303.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	439	410	769	872	224	128	0	0	2,842
Drainage and Wastewater Rates	535	1,027	1,165	728	96	42	0	0	3,593
Solid Waste Rates	455	497	588	736	104	47	0	0	2,428
Project Total:	1,429	1,934	2,523	2,336	424	216	0	0	8,863
Fund Appropriations/Allocations									
Water Fund	439	410	769	872	224	128	0	0	2,842
Drainage and Wastewater Fund	535	1,027	1,165	728	96	42	0	0	3,593
Solid Waste Fund	455	497	588	736	104	47	0	0	2,428
Appropriations total:	1,429	1,934	2,523	2,336	424	216	0	0	8,863
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		1,934	2,523	2,336	424	216	0	0	7,433

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Seattle Public Utilities

Information Management

BCL/Program Name:	Technology	BCL/Program Code:	C510B
Project Type:	New Investment	Start Date:	Ongoing
Project ID:	C5403	End Date:	Ongoing
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program will provide several integrated technology solutions in support of the management of SPU's corporate knowledge, including data, information, documents, and web content. Typical improvements may include, but are not limited to, replacement of shared file storage, new online collaboration tools, introduction of workflow, tracking & reporting applications, web content management systems, and an enterprise document management solution. This program enhances SPU's ability to retrieve, share, distribute and manage corporate information. This program was included in the 2009-2014 Adopted CIP as C5301, C5302, and C5306.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	450	718	608	911	877	642	482	346	5,034
Drainage and Wastewater Rates	197	310	305	434	446	299	199	112	2,301
Solid Waste Rates	127	247	192	211	290	218	169	128	1,581
Project Total:	774	1,275	1,105	1,555	1,613	1,158	850	586	8,916
Fund Appropriations/Allocations									
Water Fund	450	718	608	911	877	642	482	346	5,034
Drainage and Wastewater Fund	197	310	305	434	446	299	199	112	2,301
Solid Waste Fund	127	247	192	211	290	218	169	128	1,581
Appropriations total:	774	1,275	1,105	1,555	1,613	1,158	850	586	8,916
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		1,275	1,105	1,555	1,613	1,158	850	586	8,142

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Seattle Public Utilities

IT Infrastructure

BCL/Program Name:	Technology	BCL/Program Code:	C510B
Project Type:	New Investment	Start Date:	Ongoing
Project ID:	C5404	End Date:	Ongoing
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This IT asset management program ensures the availability, reliability, and security of SPU's corporate computing infrastructure. The program acquires and maintains SPU-owned and managed servers, local networks, shared storage and backup systems, operating software, and communications infrastructure. This program was included in the 2009-2014 Adopted CIP as C5308.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	680	1,457	659	406	441	366	201	205	4,415
Drainage and Wastewater Rates	459	1,185	491	250	272	225	124	126	3,131
Solid Waste Rates	155	923	201	125	136	113	62	63	1,777
Project Total:	1,294	3,565	1,350	780	849	704	386	394	9,323
Fund Appropriations/Allocations									
Water Fund	680	1,457	659	406	441	366	201	205	4,415
Drainage and Wastewater Fund	459	1,185	491	250	272	225	124	126	3,131
Solid Waste Fund	155	923	201	125	136	113	62	63	1,777
Appropriations total:	1,294	3,565	1,350	780	849	704	386	394	9,323
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		3,565	1,350	780	849	704	386	394	8,028

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Seattle Public Utilities

Project Delivery & Performance

BCL/Program Name: Technology **BCL/Program Code:** C510B
Project Type: New Investment **Start Date:** Ongoing
Project ID: C5405 **End Date:** Ongoing
Location: N/A
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Not in a Neighborhood District **Urban Village:** Not in an Urban Village

This ongoing program provides technology applications and application upgrades in support of improvements to project delivery and performance. Planned projects include development of an Enterprise Project Management System, replacement of the Engineering Support Contract Payments system, and SPU's share of costs for the City's central financial system upgrades. Future projects may include development of new Enterprise Resource Planning systems such as HR provisioning and financial reporting. This program will result in an improved ability to plan and deliver projects on schedule and within budget. Specific projects have been identified through 2012; budget for years 2013-2015 is reflected in the Budget Placeholder line item. This program was included in the 2009-2014 Adopted CIP as C5301 and C5304.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	524	1,824	1,181	603	369	0	0	0	4,502
Drainage and Wastewater Rates	294	1,027	709	333	204	0	0	0	2,566
Solid Waste Rates	321	504	306	104	64	0	0	0	1,299
Project Total:	1,139	3,355	2,196	1,040	637	0	0	0	8,367
Fund Appropriations/Allocations									
Water Fund	524	1,824	1,181	603	369	0	0	0	4,502
Drainage and Wastewater Fund	294	1,027	709	333	204	0	0	0	2,566
Solid Waste Fund	321	504	306	104	64	0	0	0	1,299
Appropriations total:	1,139	3,355	2,196	1,040	637	0	0	0	8,367
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		3,355	2,196	1,040	637	0	0	0	7,228

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Science Information Management

BCL/Program Name:	Technology	BCL/Program Code:	C510B
Project Type:	New Investment	Start Date:	Ongoing
Project ID:	C5406	End Date:	Ongoing
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program will provide new and improved technology applications and accompanying data management tools to support the gathering, monitoring, tracking and analysis of science and engineering information. Several planned projects include replacement of obsolete regulatory compliance tracking applications, improvements to the drinking water laboratory information system, upgrades to field monitoring equipment, and the integration of SCADA data with other data systems. This program enhances SPU's ability to control water quality and comply with environmental and health regulations. This program was included in the 2009-2014 Adopted CIP as C5302 and C5307.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	128	174	436	562	371	271	0	0	1,941
Drainage and Wastewater Rates	130	255	377	520	531	433	166	169	2,581
Solid Waste Rates	0	0	122	0	0	271	276	0	668
Project Total:	258	429	935	1,082	902	974	442	169	5,190
Fund Appropriations/Allocations									
Water Fund	128	174	436	562	371	271	0	0	1,941
Drainage and Wastewater Fund	130	255	377	520	531	433	166	169	2,581
Solid Waste Fund	0	0	122	0	0	271	276	0	668
Appropriations total:	258	429	935	1,082	902	974	442	169	5,190
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		429	935	1,082	902	974	442	169	4,933

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Technical Information Management

BCL/Program Name:	Technology	BCL/Program Code:	C510B
Project Type:	New Investment	Start Date:	Ongoing
Project ID:	C5407	End Date:	Ongoing
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing program provides technology applications, upgrades and data management tools in support of SPU's field operations and asset maintenance programs. Several new and updated technology solutions designed to enhance the efficiency and effectiveness of drinking water, sewer, drainage, and solid waste operations are planned. These include the development of an Asset Data Register (central repository of asset data), dispatch and emergency response systems, vehicle location tracking tools, and essential upgrades to the Work Management System. Other related, but as yet undetermined projects will be undertaken to further enhance safety and improve responsiveness of SPU's utility operations. This program was included in the 2009-2014 Adopted CIP as C5302, C5306, and C5309.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	413	1,149	981	442	24	338	344	351	4,043
Drainage and Wastewater Rates	700	900	997	699	47	208	212	216	3,980
Solid Waste Rates	306	349	337	71	0	104	106	108	1,380
Project Total:	1,419	2,398	2,315	1,212	72	649	662	676	9,403
Fund Appropriations/Allocations									
Water Fund	413	1,149	981	442	24	338	344	351	4,043
Drainage and Wastewater Fund	700	900	997	699	47	208	212	216	3,980
Solid Waste Fund	306	349	337	71	0	104	106	108	1,380
Appropriations total:	1,419	2,398	2,315	1,212	72	649	662	676	9,403
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,398	2,315	1,212	72	649	662	676	7,984

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SPU - WATER

Overview of Facilities and Programs

Seattle Public Utilities (SPU) operates the City-owned water system serving a population of approximately 1.45 million people in a 450-square-mile area. The system extends from Edmonds to Des Moines and from Puget Sound to Lake Joy near Duvall. SPU retails water in Seattle and adjacent areas, and sells wholesale to 21 suburban water utilities and two interlocal associations for distribution of water to their customers. SPU's Capital Improvement Program (CIP) is the vehicle for upgrading and expanding water infrastructure as well as constructing projects that protect, conserve, and enhance the region's environmental resources. The overarching goal of the CIP is to assure that the water system is properly upgraded and expanded to reliably deliver high-quality, safe drinking water to customers, protect the environment, and comply with regulations.

The Water Fund's (WF's) financial policies, adopted in 2005, require cash contributions averaging 20 percent of total CIP costs over any given rate period. The remaining portion of the Water Fund CIP is bond funded. Overhead costs for the CIP are budgeted in the SPU operating fund and are reimbursed as CIP expenditures are incurred.

Highlights

- **Open Distribution System Reservoirs:** Consistent with Ordinance 120899, Seattle Public Utilities (SPU) is replacing its open finished drinking water reservoirs with underground structures that will improve the quality and security of the water system. The City finished underground replacement work on Magnolia Reservoir in 1995, Lincoln Reservoir in 2004, and Beacon and Myrtle Reservoirs in 2009. Construction of a new buried reservoir to replace West Seattle Reservoir began in 2008 and is targeted for completion by the end of 2010. Construction on Maple Leaf Reservoir's replacement is scheduled to begin in the third quarter of 2009 and end in late 2011 or early 2012. 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 after Maple Leaf Reservoir is completed and the City has had an opportunity to take them off line for a period of time to observe the water system's performance without them.
- **Morse Lake Pump Plant (MLPP):** This project aims to improve the reliability of water supply and in-stream flows in the Cedar River during drought conditions and to address requirements of the Habitat Conservation Plan. The electrical portion, expected to begin construction in fall 2009, will provide permanent power service to the pump station with standby power generators at the Masonry Dam site. This phase will reduce mobilization costs during periodic droughts and avoid risks associated with bringing diesel fuel into the protected watershed. Asset Management Committee review of the full project is also expected in late 2009. Pending final business case approval, further project elements may include:
 - A land-based pump station on the shore of Chester Morse Lake with a design capacity of 240 million gallons per day (MGD);
 - A gravity intake tunnel in the lake connected to a shaft on the lake shore; and
 - A pipeline to convey the water from the pump station following existing roads to discharge the water into the Masonry Pool.Only the electrical work in 2010 is being budgeted in the Proposed CIP. Further phases will be considered when the business case review is complete.
- **Cedar River Watershed Habitat Conservation Plan (HCP):** In 2000, after seven years of intensive study and negotiation with state, federal, and tribal authorities, the City entered into a 50-year habitat conservation plan for the Cedar River Watershed. This agreement commits the City to certain projects and management practices to mitigate the environmental impacts of drinking water diversions. Major HCP components include investments in fisheries enhancement projects such as the Landsburg Fish Passage Improvements, which was completed in 2004. The remaining large fisheries enhancement projects within the Cedar River HCP Program are the Cedar Sockeye Hatchery, and acquisition of fish habitat lands in the lower Cedar River. Other HCP projects within the municipal watershed include culvert improvements and other stream restoration work, removal of logging roads, and forest restoration. Research and monitoring are also being

conducted in association with many of these projects. Approximately \$30.0 million is included in the 2010-2015 Proposed CIP for these projects.

Project Selection Process

SPU has adopted an asset management methodology for selecting projects to build. This triple bottom line approach includes an in-depth analysis of the project's economic, social, and environmental benefits, and the ability to meet customer service levels. Using this approach, SPU has established a consistent analytical and modeling framework to achieve the most economical balance between capital investments and operation and maintenance expenditures to minimize the life cycle costs of any capital asset.

The Asset Management Committee (AMC), a committee of senior SPU executives, reviews each project above a certain cost threshold – recently increased to \$1 million from \$250,000 – to insure that only projects that minimize lifecycle costs and meet triple-bottom-line criteria move forward. As a result of this analysis, several projects have been dropped when costs far exceed the benefits. Several cost-effective master planning efforts were approved to create up-to-date improvement and/or upgrade plans for several groups of assets. Other projects have been expanded or expedited because the benefits exceed the costs.

Program Category Summaries

The 2010-2015 Proposed Water CIP totals approximately \$98.5 million in 2010 (including Technology projects funded by the Water Fund, displayed in a separate section of this CIP), or \$12.6 million less than the 2010 Endorsed Budget.

In the Distribution Budget Control Level (BCL), the 2010 Proposed CIP is \$1.3 million higher than the prior CIP. This is largely due to increasing the Multiple Utility Relocation project to accommodate the second phase of the Aurora Avenue project (north of 165th Street). Service Renewals is increased based on the prior two years' historical results, and similarly New Taps was decreased to reflect slowdown in the real estate industry. Watermain Extensions is increased in anticipation of an expanded and prioritized work program, and Tank Improvements projects were delayed.

In the Habitat Conservation Program BCL, the 2010 Proposed CIP is somewhat higher by \$0.6 million relative to the prior CIP. This is due to resumption of projects that had been delayed from late 2008 and 2009. These include the Cedar Sockeye Hatchery, and the Landsburg Fish Passage.

In the Shared Cost Projects BCL, the 2010 Proposed CIP is slightly lower by \$0.4 million compared to the prior CIP. This is largely due to deferring Operational Facilities projects to 2012 and 2013 while accelerating the Regional Facility program into 2010. Transportation projects also increased with the addition of First Hill Streetcar work.

In the Transmission BCL, the 2010 Proposed CIP is largely unchanged from the prior CIP. Within that, the Transmission Pipeline Rehabilitation project was accelerated and the Cathodic Protection was delayed.

In the Water Quality and Treatment BCL, the 2010 Proposed CIP is \$17.0 million lower than the prior CIP. The Reservoir Covering Maple Leaf Project was significantly reduced because construction bids were lower than the Engineer's estimate. The Reservoir Covering West Seattle project was lowered reflecting current contractor's cash flow estimates. The Reservoir Covering Beacon project was increased in anticipation of final construction closeout costs. Two new projects are proposed to start for 2010: Cedar Fluoridation Relocation and Roosevelt Reservoir Bypass.

In the Water Resources BCL, the 2010 Proposed CIP is \$1.5 million higher than the prior CIP, largely related to electrical work on the Morse Lake Pump Plant project.

Seattle Public Utilities – Water

In the Watershed Stewardship BCL, the 2010 Proposed CIP is \$0.3 million higher than the prior CIP due to increases in the Endangered Species Act (ESA) Tolt Levee Modifications project, which restores approximately 50 acres of natural salmon habitat at the mouth of the Tolt River in Carnation, Washington. The Cedar River-Boundary Non-HCP Road Improvements and Cedar River Watershed Cultural Resource Information Management System projects were increased in order to resume deferred 2009 work programs.

The Water CIP is comprised of eight program categories, which are summarized below.

Distribution: Projects and programs in this program category relate to repairs and upgrades to the City's water lines, pump stations, and other facilities that are part of the distribution system (serving only retail customers).

Habitat Conservation Plan: This program category includes projects and programs directly related to implementation of the Cedar River Watershed Habitat Conservation Plan. Projects 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.

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 2010, Water funded projects include water infrastructure relocations related to the Alaskan Way Viaduct & Seawall Replacement, "Bridging the Gap," and Sound Transit projects, as well as fleet and heavy equipment purchases, improvements to SPU operational facilities, and security and infrastructure control systems.

Technology: This program category makes use of recent technology advances to increase efficiency and productivity. Water-supported technology projects are shown grouped with technology projects supported by SPU's other fund sources.

Transmission: The purpose of this program category is to repair and upgrade the City's large transmission pipelines that bring untreated water to the treatment facilities, and convey water from the treatment facilities to Seattle and its suburban wholesale customers' distribution systems.

Water Quality & Treatment: The purpose of this program category is to design, construct, and repair water treatment facilities, and remaining open water reservoirs. This program also manages the delivery of drinking water quality and treatment services to meet customer and environmental service levels and to comply with state and federal drinking water regulations.

Water Resources: The purpose of this program category is to manage and produce untreated water to meet anticipated demands at our supply reliability standard and instream flow requirement, and promote residential and commercial water conservation.

Watershed Stewardship: Projects and programs in this program category 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 listing of the Chinook salmon as a threatened species under the Endangered Species Act.

Anticipated Operating Expenses Associated with Capital Facilities Projects

When appropriate, the projects in the Water Fund CIP include operations and maintenance cost estimates. These estimates will be refined after project completion and will be included as part of SPU's future budget submittals.

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Distribution										C110B
Distribution System In-Line Gate Valves	C109006	644	104	510	541	563	100	100	100	2,662
Chamber Upgrades - Distribution	C109011	649	166	175	189	197	205	213	222	2,016
Water Infrastructure-Seismic Upgrade Pipelines	C1102	640	104	306	312	318	0	0	0	1,680
Water Infrastructure - Service Renewal	C1109	51,122	6,240	7,732	5,722	6,686	6,819	6,956	7,095	98,372
Water Infrastructure - Hydrant Replacement/Relocation	C1110	3,487	421	372	260	265	271	276	282	5,634
Water Infrastructure - Watermain Extensions	C1111	1,105	640	1,530	520	1,061	1,082	1,104	1,126	8,168
Water Infrastructure - New Hydrants	C1112	112	104	112	104	106	108	110	113	869
Water Infrastructure - New Taps	C1113	52,171	11,500	8,207	10,404	10,612	10,824	11,041	11,262	126,021
Distribution System Improvements	C1128	1,207	500	33	105	7,979	10,783	15,661	17,456	53,724
Watermain Rehabilitation	C1129	1,608	100	452	899	1,061	1,624	1,656	1,689	9,089
Multiple Utility Relocation	C1133	192	200	1,580	520	2,308	1,082	1,104	1,126	8,112
Tank Improvements	C1134	349	2,034	1,294	1,623	3,459	1,732	1,767	1,801	14,059
Pump Station Improvements	C1135	7,859	95	77	78	212	216	221	225	8,983
Distribution		121,144	22,208	22,380	21,277	34,827	34,846	40,209	42,497	339,388
Transmission										C120B
Renton Franchise/Line Valve Cedar River	C102023	2,328	48	7	0	0	0	0	0	2,383
Water System Dewatering	C1205	85	205	100	104	106	108	110	113	931
Purveyor Meters Replace - SPU	C1206	296	97	200	208	212	216	221	225	1,675
Transmission Pipelines Rehabilitation	C1207	671	1,855	2,466	1,798	1,807	1,735	1,770	1,693	13,795
Cathodic Protection Program	C1208	2,402	624	300	1,040	1,592	1,624	1,656	1,689	10,927
Replace Air Valve Chambers	C199060	499	73	100	105	107	108	110	113	1,215
Transmission		6,281	2,902	3,173	3,255	3,824	3,791	3,867	3,833	30,927
Watershed Stewardship										C130B
Endangered Species Act Snohomish River Basin	C101003	289	8	0	52	0	0	0	0	349

* Amounts are in thousands of dollars

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Endangered Species Act Tolt Levee Modifications	C105095	2,712	4,647	153	0	0	0	0	0	7,512
Cedar River Watershed Cultural Resource Information Management System	C107005	17	104	106	0	0	0	0	0	227
Cedar River Non-HCP Road Improvements	C109015	9,523	771	700	714	728	743	758	773	14,710
Cedar River - Boundary Land Acquisition	C109017	2,832	102	298	260	180	235	129	0	4,036
Cedar Bridges	C1307	458	10	100	832	631	268	0	0	2,299
Tolt Bridges	C1308	91	0	0	21	849	0	1,065	0	2,026
Tolt Watershed Restoration	C1310	0	353	278	333	370	232	276	208	2,050
Watershed Stewardship		15,922	5,995	1,635	2,212	2,758	1,478	2,228	981	33,209
Water Quality & Treatment							BCL/Program Code:			C140B
Reservoir Covering - Volunteer	C101059	94	5	54	468	2,122	1,082	110	113	4,048
Reservoir Covering - Beacon	C101060	36,691	2,729	1,501	100	0	0	0	0	41,021
Reservoir Covering - West Seattle	C101075	12,727	16,640	6,300	1,400	75	0	0	0	37,142
Reservoir Covering - Myrtle	C101076	11,321	1	300	0	0	0	0	0	11,622
Reservoir Covering - Maple Leaf	C101078	2,298	14,022	12,440	16,900	3,000	54	0	0	48,714
Treatment Facility/Water Quality Improvements	C107018	113	152	154	156	159	162	166	169	1,231
Water Quality Equipment	C107020	80	260	200	200	11	0	0	0	751
Cedar Treatment Screening Improvements	C109005	67	513	408	416	11	0	0	0	1,415
Cedar Fluoridation Relocation	C110001	0	0	299	1,248	11	0	0	0	1,558
Roosevelt Reservoir Bypass	C111001	0	0	1	10	53	379	22	0	465
Reservoir Covering - Maple Leaf – ARRA-DWSRF	C1406	0	0	0	0	0	0	0	0	0
Water Quality & Treatment		63,392	34,322	21,657	20,898	5,442	1,677	298	282	147,968
Water Resources							BCL/Program Code:			C150B
Morse Lake Pump Plant	C103032	5,008	11,232	11,750	0	0	0	0	0	27,990
Water System Plan - 2013	C113001	0	50	99	443	732	22	0	0	1,346
Regional Water Conservation Program	C1504	10,741	2,900	3,025	4,330	4,417	3,293	3,359	3,426	35,491
Seattle Direct Service Additional Conservation	C1505	3,731	625	765	1,000	1,008	1,028	1,049	1,070	10,276

* Amounts are in thousands of dollars

Seattle Public Utilities

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Dam Safety Program	C1506	6,325	781	0	2	3,781	1,253	532	0	12,674
Water Supply Flexibility Program	C1507	169	64	154	157	159	724	3,493	0	4,920
Water Resources		25,974	15,652	15,793	5,932	10,097	6,320	8,433	4,496	92,697
Habitat Conservation Program						BCL/Program Code:				C160B
Watershed Road Improvement/Decommissioning	C1601	7,276	884	832	908	927	945	964	983	13,719
Stream & Riparian Restoration	C1602	4,762	587	620	570	571	562	573	490	8,735
Upland Reserve Forest Restoration	C1603	5,338	724	634	690	642	654	667	680	10,029
Landsburg Fish Passage Monitoring	C1604	664	265	290	0	0	0	0	0	1,219
Cedar Sockeye Hatchery	C1605	5,173	369	4,802	4,006	0	0	0	0	14,350
Ballard Locks Improvements	C1606	1,057	21	22	1	1	1	1,504	0	2,607
Downstream Fish Habitat	C1607	1,994	2,609	1,743	1,880	906	50	11	11	9,204
Instream Flow Management Studies	C1608	1,201	267	683	534	332	339	345	352	4,054
Habitat Conservation Program		27,465	5,726	9,627	8,589	3,379	2,551	4,064	2,516	63,917
Shared Cost Projects						BCL/Program Code:				C410B
Sound Transit - Water Betterment	C405430	1,394	205	214	133	119	126	133	169	2,494
SR 519 Interchange	C409015	111	465	200	0	0	0	0	0	776
Spokane Street Viaduct	C409020	0	1,206	452	10	0	0	0	0	1,668
First Hill Streetcar - WF	C409033	0	0	556	875	579	0	0	0	2,010
1st Avenue & Spokane St. Intersection	C409041	0	0	1,844	62	42	0	0	0	1,949
Mercer Corridor Project West Phase - WF	C410004	0	0	168	421	541	560	463	0	2,153
Meter Replacement - WF	C4101-WF	2,641	684	1,000	692	716	741	768	783	8,025
Alaskan Way Viaduct & Seawall Replacement Program - WF	C4102-WF	1,561	1,127	1,449	2,244	2,396	2,103	1,586	3,092	15,559
Operations Control Center - WF	C4105-WF	3,917	176	73	174	176	123	325	717	5,682
Operational Facility - Construction - WF	C4106-WF	778	8,469	356	416	1,580	3,654	3,724	4,555	23,531
Regional Facility - WF	C4107-WF	1,603	856	1,214	2,139	5,322	11,574	10,894	16,099	49,702
Integrated Control Monitoring Program - WF	C4108-WF	5,222	2,035	1,769	1,374	2,906	3,123	3,265	96	19,792
Sound Transit - University Link - WF	C4110-WF	54	140	214	164	167	409	149	121	1,417

* Amounts are in thousands of dollars

2010 - 2015 Proposed Capital Improvement Program

Project Summary

BCL/Program Name & Project	Project ID	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Security Improvements - WF	C4113-WF	2,877	1,252	1,456	1,308	1,338	1,640	1,129	106	11,106
Mercer Corridor Project - WF	C4114-WF	523	1,030	1,200	820	1,000	100	0	0	4,673
Operational Facility - Other - WF	C4115-WF	678	494	152	375	340	0	0	0	2,039
Heavy Equipment Purchases - WF	C4116-WF	3,493	1,271	2,469	2,995	2,568	2,604	2,368	3,248	21,016
1% for Art - WF	C4118-WF	228	439	219	212	177	181	237	250	1,943
Bridging the Gap - WF	C4119-WF	511	4,775	4,543	6,180	6,325	6,494	6,625	6,757	42,210
Emergency Storms - WF	C4120-WF	16	104	102	104	106	108	110	113	763
Other Major Transportation Projects - WF	C4123-WF	0	75	0	0	0	0	0	0	75
Shared Cost Projects		25,606	24,806	19,649	20,701	26,398	33,542	31,776	36,106	218,584
Technology										C510B
Budget Placeholders	C5401	0	0	0	883	3,547	4,228	5,064	5,311	19,033
Customer Contact & Billing	C5402	439	410	769	872	224	128	0	0	2,842
Information Management	C5403	450	718	608	911	877	642	482	346	5,034
IT Infrastructure	C5404	680	1,457	659	406	441	366	201	205	4,415
Project Delivery & Performance	C5405	524	1,824	1,181	603	369	0	0	0	4,502
Science Information Management	C5406	128	174	436	562	371	271	0	0	1,941
Technical Information Management	C5407	413	1,149	981	442	24	338	344	351	4,043
Technology		2,634	5,732	4,634	4,679	5,855	5,972	6,091	6,213	41,810
Department Total		288,419	117,343	98,548	87,543	92,580	90,176	96,967	96,924	968,500

* Amounts are in thousands of dollars

2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Fund Summary

Fund Name	LTD Actuals	2009	2010	2011	2012	2013	2014	2015	Total
Water Fund	288,419	117,343	98,548	87,543	92,580	90,176	96,967	96,924	968,500
Department Total	288,419	117,343	98,548	87,543	92,580	90,176	96,967	96,924	968,500

** Amounts are in thousands of dollars*

Seattle Public Utilities

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	Neighborhood Plan Matrix:	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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	228	439	219	212	177	181	237	250	1,943
Project Total:	228	439	219	212	177	181	237	250	1,943
Fund Appropriations/Allocations									
Water Fund	228	439	219	212	177	181	237	250	1,943
Appropriations total:	228	439	219	212	177	181	237	250	1,943
O & M Costs (Savings)			12	12	12	12	12	12	74
Spending Plan		439	219	212	177	181	237	250	1,715

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Seattle Public Utilities

1st Avenue & Spokane St. Intersection

BCL/Program Name: Shared Cost Projects **BCL/Program Code:** C410B
Project Type: Improved Facility **Start Date:** Q1/2010
Project ID: C409041 **End Date:** Q4/2012
Location: 1st Ave. S./S. Horton St./S. Spokane St.

Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** West Seattle Junction

This project protects water infrastructure affected by the Seattle Department of Transportation's Spokane Street Viaduct project. SPU must replace approximately 700 feet of water main along 1st Avenue South between S. Horton Street and S. Spokane Street. This project is part of SDOT's Bridging the Gap program.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	0	1,844	62	42	0	0	0	1,949
Project Total:	0	0	1,844	62	42	0	0	0	1,949
Fund Appropriations/Allocations									
Water Fund	0	0	1,844	62	42	0	0	0	1,949
Appropriations total:	0	0	1,844	62	42	0	0	0	1,949
O & M Costs (Savings)			0	0	0	19	19	19	57
Spending Plan		0	1,844	62	42	0	0	0	1,948

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Seattle Public Utilities

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:	Q4/2017
Location:	SR 99 / Battery St		
Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	N/A
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 promenade, implementation of the new surface Alaskan Way, and design and construction of the seawall.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,561	1,127	1,449	2,244	2,396	2,103	1,586	3,092	15,559
Project Total:	1,561	1,127	1,449	2,244	2,396	2,103	1,586	3,092	15,559
Fund Appropriations/Allocations									
Water Fund	1,561	1,127	1,449	2,244	2,396	2,103	1,586	3,092	15,559
Appropriations total:	1,561	1,127	1,449	2,244	2,396	2,103	1,586	3,092	15,559
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		670	1,449	2,244	2,396	2,103	1,586	3,092	13,540

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Seattle Public Utilities

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:	Q4/2014
Location:	NW 54th St/30th Ave NW		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,057	21	22	1	1	1	1,504	0	2,607
Project Total:	1,057	21	22	1	1	1	1,504	0	2,607
Fund Appropriations/Allocations									
Water Fund	1,057	21	22	1	1	1	1,504	0	2,607
Appropriations total:	1,057	21	22	1	1	1	1,504	0	2,607
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		21	22	0	0	0	1,504	0	1,547

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Seattle Public Utilities

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:	Q4/2016
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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. It is too early in the program to determine the impact on Operation and Maintenance costs or savings as a result of this program.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	511	4,775	4,543	6,180	6,325	6,494	6,625	6,757	42,210
Project Total:	511	4,775	4,543	6,180	6,325	6,494	6,625	6,757	42,210
Fund Appropriations/Allocations									
Water Fund	511	4,775	4,543	6,180	6,325	6,494	6,625	6,757	42,210
Appropriations total:	511	4,775	4,543	6,180	6,325	6,494	6,625	6,757	42,210
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		5,718	4,543	6,180	6,325	6,494	6,625	6,757	42,642

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	2,402	624	300	1,040	1,592	1,624	1,656	1,689	10,927
Project Total:	2,402	624	300	1,040	1,592	1,624	1,656	1,689	10,927
Fund Appropriations/Allocations									
Water Fund	2,402	624	300	1,040	1,592	1,624	1,656	1,689	10,927
Appropriations total:	2,402	624	300	1,040	1,592	1,624	1,656	1,689	10,927
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		524	300	1,040	1,592	1,624	1,656	1,689	8,425

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Seattle Public Utilities

Cedar Fluoridation Relocation

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2010
Project ID:	C110001	End Date:	Q4/2013
Location:	SE 16207 Old SE Petrovitsky road W		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	NA
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project constructs fluoride tanks, an associated chemical feed system, and containment at the Cedar Water Treatment Plant at Lake Youngs to replace current fluoride treatment occurring at the Cedar River Headworks. The project will replace aging facilities and create efficiencies by incorporating fluoride treatment with the rest of the water treatment processes currently located at Lake Youngs. Relocating the process downstream of the lake will improve the lake water quality by eliminating a nutrient source for algae production.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	0	299	1,248	11	0	0	0	1,558
Project Total:	0	0	299	1,248	11	0	0	0	1,558
Fund Appropriations/Allocations									
Water Fund	0	0	299	1,248	11	0	0	0	1,558
Appropriations total:	0	0	299	1,248	11	0	0	0	1,558
O & M Costs (Savings)			0	0	0	0	16	16	32

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Seattle Public Utilities

Cedar River - Boundary Land Acquisition

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	New Investment	Start Date:	Q1/1999
Project ID:	C109017	End Date:	Ongoing
Location:	Outside City		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	
Neighborhood District:	Outside Seattle City	Urban Village:	Outside Seattle City

This ongoing project enables the City to evaluate risks to protection and security of the Cedar River Municipal Watershed posed by changes in adjacent and surrounding land uses, and to respond as opportunities arise by acquiring real property. Although the City owns virtually all lands draining to the municipal water supply intake on the Cedar River, some exceptions remain along the boundary. The past decade has seen significant changes in ownership and land use of properties immediately adjoining the City's property. This program was C198008 in the 2009-2014 Adopted CIP.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	2,832	102	298	260	180	235	129	0	4,036
Project Total:	2,832	102	298	260	180	235	129	0	4,036
Fund Appropriations/Allocations									
Water Fund	2,832	102	298	260	180	235	129	0	4,036
Appropriations total:	2,832	102	298	260	180	235	129	0	4,036
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		102	298	260	180	235	129	0	1,204

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Seattle Public Utilities

Cedar River Non-HCP Road Improvements

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Improved Facility	Start Date:	Q1/1999
Project ID:	C109015	End Date:	Ongoing
Location:	Outside City		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	
Neighborhood District:	Outside Seattle City	Urban Village:	Outside Seattle City

This project provides upgrades to logging roads in the Cedar River Watershed. This project enhances forest roads to minimize damage to public resources such as water quality and fish habitat. Typical improvements may include, but are not limited to, roads and culvert improvements, steep slopes and bank stabilization, and stream buffer zones. These improvements are required by Washington Department of Natural Resources (WDNR) Forest Practices Act. This program was C191001 in the 2009-2014 Adopted CIP.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	9,523	771	700	714	728	743	758	773	14,710
Project Total:	9,523	771	700	714	728	743	758	773	14,710
Fund Appropriations/Allocations									
Water Fund	9,523	771	700	714	728	743	758	773	14,710
Appropriations total:	9,523	771	700	714	728	743	758	773	14,710
O & M Costs (Savings)			50	50	50	50	50	50	300
Spending Plan		771	700	714	728	743	758	773	5,187

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Seattle Public Utilities

Cedar River Watershed Cultural Resource Information Management System

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	New Investment	Start Date:	Q1/2007
Project ID:	C107005	End Date:	Q4/2010
Location:	Cedar River Watershed Education Center		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project provides a comprehensive information management system to preserve and archive archaeological artifacts from the Cedar River and South Fork Tolt River Municipal Watersheds housed in the Gale Archives at the Cedar River Watershed Education Center. This project enhances accessibility, protection, and security for irreplaceable cultural resources and artifacts held in trust for Native Tribes, as well as other historic artifacts and historic documents as part of SPU's watershed stewardship mandate.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	17	104	106	0	0	0	0	0	227
Project Total:	17	104	106	0	0	0	0	0	227
Fund Appropriations/Allocations									
Water Fund	17	104	106	0	0	0	0	0	227
Appropriations total:	17	104	106	0	0	0	0	0	227
O & M Costs (Savings)			0	2	2	2	2	2	10
Spending Plan		0	106	0	0	0	0	0	106

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

Seattle Public Utilities

Chamber Upgrades - Distribution

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2003
Project ID:	C109011	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	Not in an 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. This program was C103002 in the 2009-2014 Adopted CIP.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	649	166	175	189	197	205	213	222	2,016
Project Total:	649	166	175	189	197	205	213	222	2,016
Fund Appropriations/Allocations									
Water Fund	649	166	175	189	197	205	213	222	2,016
Appropriations total:	649	166	175	189	197	205	213	222	2,016
O & M Costs (Savings)			20	20	20	20	20	20	120
Spending Plan		75	175	189	197	205	213	222	1,276

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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. Projects are identified for 2012 through 2014.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	6,325	781	0	2	3,781	1,253	532	0	12,674
Project Total:	6,325	781	0	2	3,781	1,253	532	0	12,674
Fund Appropriations/Allocations									
Water Fund	6,325	781	0	2	3,781	1,253	532	0	12,674
Appropriations total:	6,325	781	0	2	3,781	1,253	532	0	12,674
O & M Costs (Savings)			125	125	125	125	125	125	750
Spending Plan		515	0	2	3,781	1,253	532	0	6,083

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Seattle Public Utilities

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 **Neighborhood Plan Matrix:** N/A
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. Amounts for 2012 and later reflect preliminary planning and will receive detailed review in future budget and rate cycles.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,207	500	33	105	7,979	10,783	15,661	17,456	53,724
Project Total:	1,207	500	33	105	7,979	10,783	15,661	17,456	53,724
Fund Appropriations/Allocations									
Water Fund	1,207	500	33	105	7,979	10,783	15,661	17,456	53,724
Appropriations total:	1,207	500	33	105	7,979	10,783	15,661	17,456	53,724
O & M Costs (Savings)			50	50	50	50	50	50	300
Spending Plan		24	33	105	7,979	10,783	15,661	17,456	52,041

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Seattle Public Utilities

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:	C109006	End Date:	Ongoing
Location:	Various		

Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	
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. This program was C199012 in the 2009-2014 Adopted CIP.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	644	104	510	541	563	100	100	100	2,662
Project Total:	644	104	510	541	563	100	100	100	2,662
Fund Appropriations/Allocations									
Water Fund	644	104	510	541	563	100	100	100	2,662
Appropriations total:	644	104	510	541	563	100	100	100	2,662
O & M Costs (Savings)			2	2	2	2	2	2	12

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Seattle Public Utilities

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:	Ongoing
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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. This program includes both acquisition of habitat lands and habitat restoration on the mainstem of the Cedar River. This program is a requirement of the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,994	2,609	1,743	1,880	906	50	11	11	9,204
Project Total:	1,994	2,609	1,743	1,880	906	50	11	11	9,204
Fund Appropriations/Allocations									
Water Fund	1,994	2,609	1,743	1,880	906	50	11	11	9,204
Appropriations total:	1,994	2,609	1,743	1,880	906	50	11	11	9,204
O & M Costs (Savings)			20	20	20	20	20	20	120
Spending Plan		2,609	1,743	1,880	906	50	11	11	7,210

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Seattle Public Utilities

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 **Neighborhood Plan Matrix:** 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. These projects 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	16	104	102	104	106	108	110	113	763
Project Total:	16	104	102	104	106	108	110	113	763
Fund Appropriations/Allocations									
Water Fund	16	104	102	104	106	108	110	113	763
Appropriations total:	16	104	102	104	106	108	110	113	763
O & M Costs (Savings)			8	8	8	8	8	8	48
Spending Plan		10	102	104	106	108	110	113	653

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Endangered Species Act Snohomish River Basin

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Rehabilitation or Restoration	Start Date:	Q2/2000
Project ID:	C101003	End Date:	Q4/2011
Location:	Lower Tolt River		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program acquires and permanently protects critical stream habitat for Chinook and other salmon in the Lower Tolt River. The program is coordinated with similar efforts by Seattle City Light in the lower Tolt River basin. Similar to the Endangered Species Act (ESA) Tolt Levee Modifications Project (C105095), this project is a component of the ESA Early Action Response Program.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	289	8	0	52	0	0	0	0	349
Project Total:	289	8	0	52	0	0	0	0	349
Fund Appropriations/Allocations									
Water Fund	289	8	0	52	0	0	0	0	349
Appropriations total:	289	8	0	52	0	0	0	0	349
O & M Costs (Savings)			0	0	4	4	4	4	16

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Seattle Public Utilities

Endangered Species Act Tolt Levee Modifications

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Improved Facility	Start Date:	Q1/2005
Project ID:	C105095	End Date:	Q4/2010
Location:	City Of Carnation		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project provides restoration of approximately 50 acres of natural salmon habitat at the mouth of the Tolt River in Carnation, Washington. Typical improvements may include, but are not limited to, removal of existing levee, construction and installation of engineered logjams and new sections of levee, and mitigation of levee removal. This project complies with the Endangered Species Act (ESA) for SPU's operations on the South Fork Tolt River via the ESA Early Action Program to benefit salmon species listed as "threatened" under the ESA.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	2,712	4,647	153	0	0	0	0	0	7,512
Project Total:	2,712	4,647	153	0	0	0	0	0	7,512
Fund Appropriations/Allocations									
Water Fund	2,712	4,647	153	0	0	0	0	0	7,512
Appropriations total:	2,712	4,647	153	0	0	0	0	0	7,512
O & M Costs (Savings)			0	73	73	73	73	73	365
Spending Plan		4,262	153	0	0	0	0	0	4,415

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Seattle Public Utilities

First Hill Streetcar - WF

BCL/Program Name: Shared Cost Projects **BCL/Program Code:** C410B
Project Type: Improved Facility **Start Date:** Q1/2010
Project ID: C409033 **End Date:** Q4/2012
Location: First Hill

Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
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. The project is in the planning phase.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	0	556	875	579	0	0	0	2,010
Project Total:	0	0	556	875	579	0	0	0	2,010
Fund Appropriations/Allocations									
Water Fund	0	0	556	875	579	0	0	0	2,010
Appropriations total:	0	0	556	875	579	0	0	0	2,010
O & M Costs (Savings)			0	0	0	20	20	20	60
Spending Plan		0	556	875	579	0	0	0	2,010

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	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. True new O&M costs/savings are generally associated with future equipment "adds" and "upsizing" costs and are difficult to predict because they usually are the result of unanticipated new programs, new requirements, or increases in service levels, therefore Operating and Maintenance (O&M) costs/savings are not calculated.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	3,493	1,271	2,469	2,995	2,568	2,604	2,368	3,248	21,016
Project Total:	3,493	1,271	2,469	2,995	2,568	2,604	2,368	3,248	21,016
Fund Appropriations/Allocations									
Water Fund	3,493	1,271	2,469	2,995	2,568	2,604	2,368	3,248	21,016
Appropriations total:	3,493	1,271	2,469	2,995	2,568	2,604	2,368	3,248	21,016
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		1,519	2,469	2,995	2,568	2,604	2,368	3,248	17,771

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	5,222	2,035	1,769	1,374	2,906	3,123	3,265	96	19,792
Project Total:	5,222	2,035	1,769	1,374	2,906	3,123	3,265	96	19,792
Fund Appropriations/Allocations									
Water Fund	5,222	2,035	1,769	1,374	2,906	3,123	3,265	96	19,792
Appropriations total:	5,222	2,035	1,769	1,374	2,906	3,123	3,265	96	19,792
O & M Costs (Savings)			184	184	184	184	184	184	1,104
Spending Plan		1,300	1,769	1,374	2,906	3,123	3,265	96	13,833

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Seattle Public Utilities

Landsburg Fish Passage Monitoring

BCL/Program Name:	Habitat Conservation Program	BCL/Program Code:	C160B
Project Type:	Improved Facility	Start Date:	Q2/1999
Project ID:	C1604	End Date:	Q4/2010
Location:	Cedar River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program provides research and monitoring to examine fish species that utilize the Landsburg Fish Passage facilities on the Cedar River. This program may include, but is not limited to, fish counts at the Landsburg fish ladders, Landsburg intake screen evaluation, and drinking water quality monitoring. This program is a requirement of the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	664	265	290	0	0	0	0	0	1,219
Project Total:	664	265	290	0	0	0	0	0	1,219
Fund Appropriations/Allocations									
Water Fund	664	265	290	0	0	0	0	0	1,219
Appropriations total:	664	265	290	0	0	0	0	0	1,219
O & M Costs (Savings)			0	138	138	138	138	138	690
Spending Plan		184	290	0	0	0	0	0	474

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Seattle Public Utilities

Mercer Corridor Project - 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:	Q4/2013
Location:	South Lake Union		
Neighborhood Plan:	South Lake Union	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	523	1,030	1,200	820	1,000	100	0	0	4,673
Project Total:	523	1,030	1,200	820	1,000	100	0	0	4,673
Fund Appropriations/Allocations									
Water Fund	523	1,030	1,200	820	1,000	100	0	0	4,673
Appropriations total:	523	1,030	1,200	820	1,000	100	0	0	4,673
O & M Costs (Savings)			0	0	0	44	44	44	132
Spending Plan		1,030	1,200	820	1,000	100	0	0	4,150

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Seattle Public Utilities

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:	C410004	End Date:	Q2/2014
Location:	Mercer ST/Elliott AVE W/Dexter AVE N		

Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	Multiple
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. The 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	0	168	421	541	560	463	0	2,153
Project Total:	0	0	168	421	541	560	463	0	2,153
Fund Appropriations/Allocations									
Water Fund	0	0	168	421	541	560	463	0	2,153
Appropriations total:	0	0	168	421	541	560	463	0	2,153
O & M Costs (Savings)			0	0	0	0	0	22	22
Spending Plan		0	168	421	541	560	463	0	2,153

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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. There are no incremental Operation and Maintenance costs or savings directly related to this program.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	2,641	684	1,000	692	716	741	768	783	8,025
Project Total:	2,641	684	1,000	692	716	741	768	783	8,025
Fund Appropriations/Allocations									
Water Fund	2,641	684	1,000	692	716	741	768	783	8,025
Appropriations total:	2,641	684	1,000	692	716	741	768	783	8,025
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		684	1,000	692	716	741	768	783	5,384

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

Seattle Public Utilities

Morse Lake Pump Plant

BCL/Program Name: Water Resources **BCL/Program Code:** C150B
Project Type: Improved Facility **Start Date:** Q1/2003
Project ID: C103032 **End Date:** Q2/2014
Location: Cedar River Watershed
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: Not in a Neighborhood District **Urban Village:** Not in an Urban Village

This project plans and possibly constructs a replacement for the existing barge-mounted pump plants at Chester Morse Lake, which are near or at the end of their useful life. SPU relies on these pumps during occasional droughts 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. The initial phase of the project, expected to commence in fall 2009, will construct a permanent electrical power connection to City Light's hydroelectric plant at Cedar Falls. Once completed, this phase will reduce the cost of mobilizing stand-by power for the barge-mounted pumps and reduce risks associated with bringing diesel fuel into the watershed. Only this initial phase is currently budgeted pending Asset Management Review and business case development, now expected in fall 2009. Additional phases may include a land-based pump station with a design capacity of 240 million gallons per day (MGD), including a gravity intake tunnel. Budget projections for the full project with land-based pump solution are currently \$76 million. Out-year budgets will be considered in future CIPs.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	5,008	11,232	11,750	0	0	0	0	0	27,990
Project Total:	5,008	11,232	11,750	0	0	0	0	0	27,990
Fund Appropriations/Allocations									
Water Fund	5,008	11,232	11,750	0	0	0	0	0	27,990
Appropriations total:	5,008	11,232	11,750	0	0	0	0	0	27,990
O & M Costs (Savings)			0	0	0	780	780	780	2,340

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	192	200	1,580	520	2,308	1,082	1,104	1,126	8,112
Project Total:	192	200	1,580	520	2,308	1,082	1,104	1,126	8,112
Fund Appropriations/Allocations									
Water Fund	192	200	1,580	520	2,308	1,082	1,104	1,126	8,112
Appropriations total:	192	200	1,580	520	2,308	1,082	1,104	1,126	8,112
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		505	1,580	520	2,308	1,082	1,104	1,126	8,225

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	778	8,469	356	416	1,580	3,654	3,724	4,555	23,531
Project Total:	778	8,469	356	416	1,580	3,654	3,724	4,555	23,531
Fund Appropriations/Allocations									
Water Fund	778	8,469	356	416	1,580	3,654	3,724	4,555	23,531
Appropriations total:	778	8,469	356	416	1,580	3,654	3,724	4,555	23,531
O & M Costs (Savings)			227	227	227	227	227	227	1,362
Spending Plan		7,781	356	416	1,580	3,654	3,724	4,555	22,066

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

Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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 2012. As future projects are identified, necessary funding will be requested.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	678	494	152	375	340	0	0	0	2,039
Project Total:	678	494	152	375	340	0	0	0	2,039
Fund Appropriations/Allocations									
Water Fund	678	494	152	375	340	0	0	0	2,039
Appropriations total:	678	494	152	375	340	0	0	0	2,039
O & M Costs (Savings)			19	19	19	19	19	19	114
Spending Plan		471	152	375	340	0	0	0	1,338

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	3,917	176	73	174	176	123	325	717	5,682
Project Total:	3,917	176	73	174	176	123	325	717	5,682
Fund Appropriations/Allocations									
Water Fund	3,917	176	73	174	176	123	325	717	5,682
Appropriations total:	3,917	176	73	174	176	123	325	717	5,682
O & M Costs (Savings)			66	66	66	66	66	66	396
Spending Plan		176	73	174	176	123	325	717	1,764

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	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 takes 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, Interstate 90, and work related to new street car lines. No spending is currently anticipated in the 2010-2015 timeframe, but this project will remain open as a placeholder for possible future spending.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	75	0	0	0	0	0	0	75
Project Total:	0	75	0	0	0	0	0	0	75
Fund Appropriations/Allocations									
Water Fund	0	75	0	0	0	0	0	0	75
Appropriations total:	0	75	0	0	0	0	0	0	75
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		150,002	0	0	0	0	0	0	150,002

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Seattle Public Utilities

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 **Neighborhood Plan Matrix:** 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	7,859	95	77	78	212	216	221	225	8,983
Project Total:	7,859	95	77	78	212	216	221	225	8,983
Fund Appropriations/Allocations									
Water Fund	7,859	95	77	78	212	216	221	225	8,983
Appropriations total:	7,859	95	77	78	212	216	221	225	8,983
O & M Costs (Savings)			16	16	16	16	16	16	96
Spending Plan		105	77	78	212	216	221	225	1,134

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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 **Neighborhood Plan Matrix:** N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	296	97	200	208	212	216	221	225	1,675
Project Total:	296	97	200	208	212	216	221	225	1,675
Fund Appropriations/Allocations									
Water Fund	296	97	200	208	212	216	221	225	1,675
Appropriations total:	296	97	200	208	212	216	221	225	1,675
O & M Costs (Savings)			13	13	13	13	13	13	78
Spending Plan		60	200	208	212	216	221	225	1,342

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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:	19901 Cedar Falls Rd SE, North Bend		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	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 Line of Business.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,603	856	1,214	2,139	5,322	11,574	10,894	16,099	49,702
Project Total:	1,603	856	1,214	2,139	5,322	11,574	10,894	16,099	49,702
Fund Appropriations/Allocations									
Water Fund	1,603	856	1,214	2,139	5,322	11,574	10,894	16,099	49,702
Appropriations total:	1,603	856	1,214	2,139	5,322	11,574	10,894	16,099	49,702
O & M Costs (Savings)			495	495	495	495	495	495	2,970
Spending Plan		549	1,214	2,139	5,322	11,574	10,894	16,099	47,791

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	10,741	2,900	3,025	4,330	4,417	3,293	3,359	3,426	35,491
Project Total:	10,741	2,900	3,025	4,330	4,417	3,293	3,359	3,426	35,491
Fund Appropriations/Allocations									
Water Fund	10,741	2,900	3,025	4,330	4,417	3,293	3,359	3,426	35,491
Appropriations total:	10,741	2,900	3,025	4,330	4,417	3,293	3,359	3,426	35,491
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		2,600	3,025	4,330	4,417	3,293	3,359	3,426	24,450

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Seattle Public Utilities

Renton Franchise/Line Valve Cedar River

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2002
Project ID:	C102023	End Date:	Q2/2010
Location:	Cedar River Pipeline		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project implements remote control improvements to key valves on water transmission pipelines that will preclude or reduce flooding in Downtown Renton in case of a major break of one or more of the Cedar River Pipelines 1, 2, and 3. The improvements are required of Seattle under Renton's utility franchise authority. The benefit of the project is increased public safety in Downtown Renton, and reduced risk exposure for Seattle.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	2,328	48	7	0	0	0	0	0	2,383
Project Total:	2,328	48	7	0	0	0	0	0	2,383
Fund Appropriations/Allocations									
Water Fund	2,328	48	7	0	0	0	0	0	2,383
Appropriations total:	2,328	48	7	0	0	0	0	0	2,383
O & M Costs (Savings)			24	24	24	24	24	24	144
Spending Plan		70	7	0	0	0	0	0	77

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Seattle Public Utilities

Replace Air Valve Chambers

BCL/Program Name:	Transmission	BCL/Program Code:	C120B
Project Type:	Rehabilitation or Restoration	Start Date:	Q3/1999
Project ID:	C199060	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	499	73	100	105	107	108	110	113	1,215
Project Total:	499	73	100	105	107	108	110	113	1,215
Fund Appropriations/Allocations									
Water Fund	499	73	100	105	107	108	110	113	1,215
Appropriations total:	499	73	100	105	107	108	110	113	1,215
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		100	100	105	107	108	110	113	743

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Seattle Public Utilities

Reservoir Covering - Beacon

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2001
Project ID:	C101060	End Date:	Q4/2011
Location:	S Spokane St/Beacon Ave S		
Neighborhood Plan:	North Beacon Hill	Neighborhood Plan Matrix:	N/A
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. This project 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	36,691	2,729	1,501	100	0	0	0	0	41,021
Project Total:	36,691	2,729	1,501	100	0	0	0	0	41,021
Fund Appropriations/Allocations									
Water Fund	36,691	2,729	1,501	100	0	0	0	0	41,021
Appropriations total:	36,691	2,729	1,501	100	0	0	0	0	41,021
O & M Costs (Savings)			0	410	410	410	410	410	2,050
Spending Plan		2,729	1,501	100	0	0	0	0	4,330

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Seattle Public Utilities

Reservoir Covering - Maple Leaf – ARRA-DWSRF

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2010
Project ID:	C1406	End Date:	Q4/2010
Location:			

Neighborhood Plan: Not in Neighborhood Plan	Neighborhood Plan Matrix:
Neighborhood District:	Urban Village:

This establishes a separate activity code to track the American Recovery and Reinvestment Act (ARRA) funding for the Reservoir Covering Maple Leaf project #C101078. SPU will receive a \$6 million low-interest loan from the Drinking Water State Revolving Fund. The separate activity code complies with the requirements of AARA reporting. Appropriation authority for this project will be administratively transferred from the existing Maple Leaf project to the new tracking code in 2009 and carried forward.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Federal ARRA Funds: Drinking Water State Revolving Fund	0	0	0	0	0	0	0	0	0
Project Total:	0	0	0	0	0	0	0	0	0
Fund Appropriations/Allocations									
Water Fund	0	0	0	0	0	0	0	0	0
Appropriations total:	0	0	0	0	0	0	0	0	0
O & M Costs (Savings)									
Spending Plan		0	6,060	0	0	0	0	0	6,060

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Seattle Public Utilities

Reservoir Covering - Myrtle

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q4/2001
Project ID:	C101076	End Date:	Q4/2010
Location:	SW Myrtle St/35th Ave SW		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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 project 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	11,321	1	300	0	0	0	0	0	11,622
Project Total:	11,321	1	300	0	0	0	0	0	11,622
Fund Appropriations/Allocations									
Water Fund	11,321	1	300	0	0	0	0	0	11,622
Appropriations total:	11,321	1	300	0	0	0	0	0	11,622
O & M Costs (Savings)			116	116	116	116	116	116	696
Spending Plan		247	300	0	0	0	0	0	547

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Seattle Public Utilities

Reservoir Covering - Volunteer

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q4/2001
Project ID:	C101059	End Date:	Q2/2016
Location:	E Prospect St./12th Ave. E		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	East District	Urban Village:	Capitol Hill

This project will either reconstruct the 20 million gallon concrete-lined reservoir in compliance with new state and federal regulations, or remove it from service and construct a bypass pipe system around the Reservoir. This project 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	94	5	54	468	2,122	1,082	110	113	4,048
Project Total:	94	5	54	468	2,122	1,082	110	113	4,048
Fund Appropriations/Allocations									
Water Fund	94	5	54	468	2,122	1,082	110	113	4,048
Appropriations total:	94	5	54	468	2,122	1,082	110	113	4,048
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		5	54	468	2,122	1,082	110	113	3,954

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Seattle Public Utilities

Reservoir Covering - West Seattle

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q4/2001
Project ID:	C101075	End Date:	Q1/2012
Location:	SW Henderson St/8th Ave SW		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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 project 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	12,727	16,640	6,300	1,400	75	0	0	0	37,142
Project Total:	12,727	16,640	6,300	1,400	75	0	0	0	37,142
Fund Appropriations/Allocations									
Water Fund	12,727	16,640	6,300	1,400	75	0	0	0	37,142
Appropriations total:	12,727	16,640	6,300	1,400	75	0	0	0	37,142
O & M Costs (Savings)			0	0	367	367	367	367	1,468

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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:	Q1/2011
Location:	Citywide & Direct Service		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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 Department of Human Services (DHS) and requires an annual report to be provided to Council.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	3,731	625	765	1,000	1,008	1,028	1,049	1,070	10,276
Project Total:	3,731	625	765	1,000	1,008	1,028	1,049	1,070	10,276
Fund Appropriations/Allocations									
Water Fund	3,731	625	765	1,000	1,008	1,028	1,049	1,070	10,276
Appropriations total:	3,731	625	765	1,000	1,008	1,028	1,049	1,070	10,276
O & M Costs (Savings)			0	100	100	100	100	100	500
Spending Plan		684	765	1,000	1,008	1,028	1,049	1,070	6,604

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Seattle Public Utilities

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:	Q4/2015
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	2,877	1,252	1,456	1,308	1,338	1,640	1,129	106	11,106
Project Total:	2,877	1,252	1,456	1,308	1,338	1,640	1,129	106	11,106
Fund Appropriations/Allocations									
Water Fund	2,877	1,252	1,456	1,308	1,338	1,640	1,129	106	11,106
Appropriations total:	2,877	1,252	1,456	1,308	1,338	1,640	1,129	106	11,106
O & M Costs (Savings)			116	116	116	116	116	116	696
Spending Plan		1,252	1,456	1,308	1,338	1,640	1,129	106	8,229

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Seattle Public Utilities

Sound Transit - Water Betterment

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Improved Facility	Start Date:	Q1/2005
Project ID:	C405430	End Date:	Q4/2015
Location:	Central & South areas of Seattle		
Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This project funds improvements to watermain 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,394	205	214	133	119	126	133	169	2,494
Project Total:	1,394	205	214	133	119	126	133	169	2,494
Fund Appropriations/Allocations									
Water Fund	1,394	205	214	133	119	126	133	169	2,494
Appropriations total:	1,394	205	214	133	119	126	133	169	2,494
O & M Costs (Savings)			0	0	0	25	25	25	75
Spending Plan		200	214	133	119	126	133	169	1,094

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Seattle Public Utilities

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:	Q4/2015
Location:	Various		
Neighborhood Plan:	In more than one Plan	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	54	140	214	164	167	409	149	121	1,417
Project Total:	54	140	214	164	167	409	149	121	1,417
Fund Appropriations/Allocations									
Water Fund	54	140	214	164	167	409	149	121	1,417
Appropriations total:	54	140	214	164	167	409	149	121	1,417
O & M Costs (Savings)			0	0	0	0	4	0	4
Spending Plan		131	214	164	167	409	149	121	1,355

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

Seattle Public Utilities

Spokane Street Viaduct

BCL/Program Name: Shared Cost Projects **BCL/Program Code:** C410B
Project Type: Rehabilitation or Restoration **Start Date:** Q1/2007
Project ID: C409020 **End Date:** Q4/2011
Location: Spokane St Viaduct
Neighborhood Plan: Not in a Neighborhood Plan **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** West Seattle Junction

This project protects water infrastructure affected by the Seattle Department of Transportation's (SDOT) work to widen and improve the Spokane Street Viaduct, south of downtown. SPU must relocate approximately 600 linear feet of 30" watermain between the Burlington Northern Santa Fe Railroad tracks and 4th Avenue South to make way for the new 4th Avenue South off ramp; the project may also require relocation of drainage and wastewater assets. SPU is expected to complete the relocation project in time to allow the SDOT project to be built on schedule. The project is part of SDOT's Bridging the Gap program and needs to be completed prior to demolition of the Alaskan Way Viaduct.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	1,206	452	10	0	0	0	0	1,668
Project Total:	0	1,206	452	10	0	0	0	0	1,668
Fund Appropriations/Allocations									
Water Fund	0	1,206	452	10	0	0	0	0	1,668
Appropriations total:	0	1,206	452	10	0	0	0	0	1,668
O & M Costs (Savings)			0	0	17	17	17	17	68
Spending Plan		2,600	452	10	0	0	0	0	3,062

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

SR 519 Interchange

BCL/Program Name:	Shared Cost Projects	BCL/Program Code:	C410B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2008
Project ID:	C409015	End Date:	Q4/2010
Location:	S Royal Brougham Wy & 1st Ave S		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Greater Duwamish	Urban Village:	In more than one Urban Village

This project provides water utility improvements related to the SR-519 project, which will construct a new westbound off-ramp from I-5 and I-90 via the current South Atlantic Street Overpass. Additionally, this project will construct public plazas both on Royal Brougham Way between the stadiums and between 3rd and 4th Avenue. Work will also include the relocation and construction of other public and private utilities and construction of a public elevator. The Washington State Department of Transportation is the lead agency.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	111	465	200	0	0	0	0	0	776
Project Total:	111	465	200	0	0	0	0	0	776
Fund Appropriations/Allocations									
Water Fund	111	465	200	0	0	0	0	0	776
Appropriations total:	111	465	200	0	0	0	0	0	776
O & M Costs (Savings)			0	11	11	11	11	11	55
Spending Plan		465	200	0	0	0	0	0	665

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	4,762	587	620	570	571	562	573	490	8,735
Project Total:	4,762	587	620	570	571	562	573	490	8,735
Fund Appropriations/Allocations									
Water Fund	4,762	587	620	570	571	562	573	490	8,735
Appropriations total:	4,762	587	620	570	571	562	573	490	8,735
O & M Costs (Savings)			94	94	94	94	94	94	564
Spending Plan		562	620	570	571	562	573	490	3,948

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	349	2,034	1,294	1,623	3,459	1,732	1,767	1,801	14,059
Project Total:	349	2,034	1,294	1,623	3,459	1,732	1,767	1,801	14,059
Fund Appropriations/Allocations									
Water Fund	349	2,034	1,294	1,623	3,459	1,732	1,767	1,801	14,059
Appropriations total:	349	2,034	1,294	1,623	3,459	1,732	1,767	1,801	14,059
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		1,400	1,294	1,623	3,459	1,732	1,767	1,801	13,076

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Seattle Public Utilities

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:	Q4/2014
Location:	Tolt River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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. This project 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. Specific replacement needs have been identified in 2011, 2012, and 2014. This project 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	91	0	0	21	849	0	1,065	0	2,026
Project Total:	91	0	0	21	849	0	1,065	0	2,026
Fund Appropriations/Allocations									
Water Fund	91	0	0	21	849	0	1,065	0	2,026
Appropriations total:	91	0	0	21	849	0	1,065	0	2,026
O & M Costs (Savings)			0	0	0	0	0	19	19

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Seattle Public Utilities

Tolt Watershed Restoration

BCL/Program Name:	Watershed Stewardship	BCL/Program Code:	C130B
Project Type:	Rehabilitation or Restoration	Start Date:	Q1/2010
Project ID:	C1310	End Date:	Q4/2014
Location:	Tolt River Watershed		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This program provides aquatic and riparian restoration, improves roads for access to restoration areas, and watershed security and protection improvements 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. Restoration and improvements are based upon recommendations of the 2008 Tolt Watershed Management Plan.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	353	278	333	370	232	276	208	2,050
Project Total:	0	353	278	333	370	232	276	208	2,050
Fund Appropriations/Allocations									
Water Fund	0	353	278	333	370	232	276	208	2,050
Appropriations total:	0	353	278	333	370	232	276	208	2,050
O & M Costs (Savings)			0	0	0	0	0	21	21
Spending Plan		155	278	333	370	232	276	208	1,852

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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. This program 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	671	1,855	2,466	1,798	1,807	1,735	1,770	1,693	13,795
Project Total:	671	1,855	2,466	1,798	1,807	1,735	1,770	1,693	13,795
Fund Appropriations/Allocations									
Water Fund	671	1,855	2,466	1,798	1,807	1,735	1,770	1,693	13,795
Appropriations total:	671	1,855	2,466	1,798	1,807	1,735	1,770	1,693	13,795
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		1,829	2,466	1,798	1,807	1,735	1,770	1,693	13,098

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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:	C107018	End Date:	Ongoing
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This ongoing project 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. The project enhances SPU's ability to address water system improvement needs that relate to public health protection and drinking water regulatory compliance.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	113	152	154	156	159	162	166	169	1,231
Project Total:	113	152	154	156	159	162	166	169	1,231
Fund Appropriations/Allocations									
Water Fund	113	152	154	156	159	162	166	169	1,231
Appropriations total:	113	152	154	156	159	162	166	169	1,231
O & M Costs (Savings)			12	12	12	12	12	12	72
Spending Plan		150	154	156	159	162	166	169	1,116

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	3,487	421	372	260	265	271	276	282	5,634
Project Total:	3,487	421	372	260	265	271	276	282	5,634
Fund Appropriations/Allocations									
Water Fund	3,487	421	372	260	265	271	276	282	5,634
Appropriations total:	3,487	421	372	260	265	271	276	282	5,634
O & M Costs (Savings)			5	5	5	5	5	5	30
Spending Plan		221	372	260	265	271	276	282	1,947

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Seattle Public Utilities

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 **Neighborhood Plan Matrix:** N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	112	104	112	104	106	108	110	113	869
Project Total:	112	104	112	104	106	108	110	113	869
Fund Appropriations/Allocations									
Water Fund	112	104	112	104	106	108	110	113	869
Appropriations total:	112	104	112	104	106	108	110	113	869
O & M Costs (Savings)			5	5	5	5	5	5	30
Spending Plan		200	112	104	106	108	110	113	853

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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 watermains with no interruption of service to adjacent existing customers (watermain taps), and the installation of metered water service lines from the new tap to the new customers' 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	52,171	11,500	8,207	10,404	10,612	10,824	11,041	11,262	126,021
Project Total:	52,171	11,500	8,207	10,404	10,612	10,824	11,041	11,262	126,021
Fund Appropriations/Allocations									
Water Fund	52,171	11,500	8,207	10,404	10,612	10,824	11,041	11,262	126,021
Appropriations total:	52,171	11,500	8,207	10,404	10,612	10,824	11,041	11,262	126,021
O & M Costs (Savings)			10	10	10	10	10	10	60

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Seattle Public Utilities

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 **Neighborhood Plan Matrix:** N/A
Neighborhood District: In more than one District **Urban Village:** In more than one Urban Village

This ongoing program replaces existing hydrants in the City's water distribution system. Hydrant replacement/relocation 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	51,122	6,240	7,732	5,722	6,686	6,819	6,956	7,095	98,372
Project Total:	51,122	6,240	7,732	5,722	6,686	6,819	6,956	7,095	98,372
Fund Appropriations/Allocations									
Water Fund	51,122	6,240	7,732	5,722	6,686	6,819	6,956	7,095	98,372
Appropriations total:	51,122	6,240	7,732	5,722	6,686	6,819	6,956	7,095	98,372
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		7,240	7,732	5,722	6,686	6,819	6,956	7,095	48,250

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,105	640	1,530	520	1,061	1,082	1,104	1,126	8,168
Project Total:	1,105	640	1,530	520	1,061	1,082	1,104	1,126	8,168
Fund Appropriations/Allocations									
Water Fund	1,105	640	1,530	520	1,061	1,082	1,104	1,126	8,168
Appropriations total:	1,105	640	1,530	520	1,061	1,082	1,104	1,126	8,168
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		500	1,530	520	1,061	1,082	1,104	1,126	6,923

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Seattle Public Utilities

Water Infrastructure-Seismic Upgrade Pipelines

BCL/Program Name:	Distribution	BCL/Program Code:	C110B
Project Type:	Improved Facility	Start Date:	Q1/2009
Project ID:	C1102	End Date:	Ongoing
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program provides seismic upgrades to strengthen existing and/or install new elements and structures for improved performance of the water distribution system throughout the City of Seattle in the event of a large earthquake. The benefit is a reduction in frequency and duration of water outages after an earthquake. Funding for this program beyond 2009 may be provided with savings from other Water Infrastructure programs, as needed.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	640	104	306	312	318	0	0	0	1,680
Project Total:	640	104	306	312	318	0	0	0	1,680
Fund Appropriations/Allocations									
Water Fund	640	104	306	312	318	0	0	0	1,680
Appropriations total:	640	104	306	312	318	0	0	0	1,680
O & M Costs (Savings)			5	5	5	5	5	5	30
Spending Plan		810	306	312	318	0	0	0	1,746

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Seattle Public Utilities

Water Quality Equipment

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q1/2007
Project ID:	C107020	End Date:	Q4/2012
Location:	Various		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
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. This project enhances SPU's drinking water quality, security, and public health surveillance system. This project 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	80	260	200	200	11	0	0	0	751
Project Total:	80	260	200	200	11	0	0	0	751
Fund Appropriations/Allocations									
Water Fund	80	260	200	200	11	0	0	0	751
Appropriations total:	80	260	200	200	11	0	0	0	751
O & M Costs (Savings)			0	0	9	9	9	9	36

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Seattle Public Utilities

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:	Q4/2014
Location:	Multiple		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	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. This program will be delayed between 2010 and 2013. Operating & Maintenance (O&M) cost/savings not calculated beyond 2011 until program developments become known.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	169	64	154	157	159	724	3,493	0	4,920
Project Total:	169	64	154	157	159	724	3,493	0	4,920
Fund Appropriations/Allocations									
Water Fund	169	64	154	157	159	724	3,493	0	4,920
Appropriations total:	169	64	154	157	159	724	3,493	0	4,920
O & M Costs (Savings)			0	0	0	0	0	10	10
Spending Plan		3	154	157	159	724	3,493	0	4,690

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Seattle Public Utilities

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 **Neighborhood Plan Matrix:** N/A
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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	85	205	100	104	106	108	110	113	931
Project Total:	85	205	100	104	106	108	110	113	931
Fund Appropriations/Allocations									
Water Fund	85	205	100	104	106	108	110	113	931
Appropriations total:	85	205	100	104	106	108	110	113	931
O & M Costs (Savings)			5	5	5	5	5	0	25
Spending Plan		92	100	104	106	108	110	113	733

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2010 - 2015 Proposed Capital Improvement Program

Seattle Public Utilities

Water System Plan - 2013

BCL/Program Name:	Water Resources	BCL/Program Code:	C150B
Project Type:	New Investment	Start Date:	Q3/2009
Project ID:	C113001	End Date:	Q3/2013
Location:	N/A		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project develops the 2013 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	50	99	443	732	22	0	0	1,346
Project Total:	0	50	99	443	732	22	0	0	1,346
Fund Appropriations/Allocations									
Water Fund	0	50	99	443	732	22	0	0	1,346
Appropriations total:	0	50	99	443	732	22	0	0	1,346
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan		0	99	443	732	22	0	0	1,296

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Seattle Public Utilities

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	Neighborhood Plan Matrix:	N/A
Neighborhood District:	In more than one District	Urban Village:	In more than one Urban Village

This ongoing program replaces or rehabilitates existing water mains in Seattle. Replacements occur when leaks become too frequent. Rehabilitation by lining the interior of the pipe with cement mortar restores the capacity of water mains 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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	1,608	100	452	899	1,061	1,624	1,656	1,689	9,089
Project Total:	1,608	100	452	899	1,061	1,624	1,656	1,689	9,089
Fund Appropriations/Allocations									
Water Fund	1,608	100	452	899	1,061	1,624	1,656	1,689	9,089
Appropriations total:	1,608	100	452	899	1,061	1,624	1,656	1,689	9,089
O & M Costs (Savings)			10	10	10	10	10	10	60
Spending Plan		153	452	899	1,061	1,624	1,656	1,689	7,534

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Seattle Public Utilities

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		
Neighborhood Plan:	Not in a Neighborhood Plan	Neighborhood Plan Matrix:	N/A
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

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	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	7,276	884	832	908	927	945	964	983	13,719
Project Total:	7,276	884	832	908	927	945	964	983	13,719
Fund Appropriations/Allocations									
Water Fund	7,276	884	832	908	927	945	964	983	13,719
Appropriations total:	7,276	884	832	908	927	945	964	983	13,719
O & M Costs (Savings)			138	138	138	138	138	138	828
Spending Plan		884	832	908	927	945	964	983	6,443

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2010 - 2015 Proposed Capital Improvement Program

