

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 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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2010 - 2015 Proposed Capital Improvement Program

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

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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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2010 - 2015 Proposed Capital Improvement Program

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	2009							
	Actuals	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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2010 - 2015 Proposed Capital Improvement Program

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

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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2010 - 2015 Proposed Capital Improvement Program

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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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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2010 - 2015 Proposed Capital Improvement Program

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

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

** 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 - 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

** 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

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

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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

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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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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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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

** 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

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

** 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

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

** 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

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

** 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

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 - 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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Seattle Public Utilities

Roosevelt Reservoir Bypass

BCL/Program Name:	Water Quality & Treatment	BCL/Program Code:	C140B
Project Type:	Improved Facility	Start Date:	Q3/2010
Project ID:	C111001	End Date:	Q4/2014
Location:	12 Ave NE/NE 75th Street		
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 a reservoir bypass system at Roosevelt Reservoir to allow for the water system to be operated more effectively with the reservoir out of service. 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. Operating and Maintenance cost/savings are not calculated until project developments become known.

	LTD Actuals	2009 Rev	2010	2011	2012	2013	2014	2015	Total
Revenue Sources									
Water Rates	0	0	1	10	53	379	22	0	465
Project Total:	0	0	1	10	53	379	22	0	465
Fund Appropriations/Allocations									
Water Fund	0	0	1	10	53	379	22	0	465
Appropriations total:	0	0	1	10	53	379	22	0	465
O & M Costs (Savings)			0	0	0	0	5	5	10

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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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2010 - 2015 Proposed Capital Improvement Program

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

	LTD Actuals	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

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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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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

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

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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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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2010 - 2015 Proposed Capital Improvement Program

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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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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2010 - 2015 Proposed Capital Improvement Program

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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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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2010 - 2015 Proposed Capital Improvement Program

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

