

Seattle Public Utilities

Technology Projects

Project Summary

BCL/Program Name/									
Project Title & ID	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Technology									C510B
Asset Information Management (C5407)	7,278	3,315	2,258	2,344	2,358	2,415	2,000	2,300	24,267
Customer Contact & Billing (C5402)	1,483	12,095	12,675	5,873	3,552	3,369	1,250	2,500	42,797
Enterprise Information Management (C5403)	143	2,426	2,365	2,550	1,100	1,350	2,600	1,250	13,784
IT Infrastructure (C5404)	3,526	3,709	2,250	3,100	1,950	3,700	2,200	3,050	23,484
Project Delivery & Performance (C5405)	5,015	3,627	6,100	5,050	4,750	2,649	2,300	2,000	31,490
Science & System Performance (C5406)	1,155	1,483	2,674	2,341	2,061	2,498	1,000	1,750	14,963
Technology	18,600	26,654	28,323	21,259	15,770	15,980	11,350	12,850	150,786
Department Total*:	18,600	26,654	28,323	21,259	15,770	15,980	11,350	12,850	150,786

**Amounts in thousands of dollars*

SPU-Technology

Fund Summary

Fund Name & Code	LTD Actuals	2014	2015	2016	2017	2018	2019	2020	Total
Drainage and Wastewater Fund (44010)	7,341	10,245	10,498	7,956	6,149	6,443	4,778	5,081	58,491
Solid Waste Fund (45010)	2,656	5,802	6,781	4,663	2,443	2,352	1,482	2,346	28,524
Water Fund (43000)	8,603	10,607	11,044	8,641	7,178	7,185	5,090	5,423	63,771
Department Total*:	18,600	26,654	28,323	21,259	15,770	15,980	11,350	12,850	150,786

**Amounts in thousands of dollars*

2015 - 2020 Proposed Capital Improvement Program

SPU-Technology

Asset 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 applications, upgrades and data management tools in support of SPU's work and asset management 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 in support of performance analytics, and dispatch and emergency response systems. Other related, but as yet undetermined projects will be undertaken to further enhance safety and improve responsiveness of SPU's utility operations.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	3,725	1,510	1,048	1,048	1,093	1,120	910	1,042	11,495
Drainage and Wastewater Rates	2,477	1,345	847	934	886	905	865	988	9,247
Solid Waste Rates	1,076	460	364	363	379	389	225	270	3,525
Total:	7,278	3,315	2,258	2,344	2,358	2,415	2,000	2,300	24,267
Fund Appropriations/Allocations									
Water Fund	3,725	1,510	1,048	1,048	1,093	1,120	910	1,042	11,495
Drainage and Wastewater Fund	2,477	1,345	847	934	886	905	865	988	9,247
Solid Waste Fund	1,076	460	364	363	379	389	225	270	3,525
Total*:	7,278	3,315	2,258	2,344	2,358	2,415	2,000	2,300	24,267
O & M Costs (Savings)			243	243	243	243	243	243	1,456
Spending Plan by Fund									
Water Fund		1,070	1,048	1,048	1,093	1,120	910	1,042	7,331
Drainage and Wastewater Fund		951	847	934	886	905	865	988	6,376
Solid Waste Fund		458	364	363	379	389	225	270	2,448
Total:		2,480	2,258	2,344	2,358	2,415	2,000	2,300	16,155

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2015 - 2020 Proposed Capital Improvement Program

SPU-Technology

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 replacement of the Consolidated Customer Service System and new technology solutions for enhanced customer contact management. This program is intended to enhance customer service, customer contact, and ensure accurate Utility billing.

		LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources										
Water Rates		663	4,414	4,384	1,997	1,648	1,689	550	1,100	16,446
Drainage and Wastewater Rates		590	4,048	4,243	1,938	1,332	1,230	513	1,025	14,918
Solid Waste Rates		230	3,632	4,048	1,938	572	450	188	375	11,432
Total:		1,483	12,095	12,675	5,873	3,552	3,369	1,250	2,500	42,797
Fund Appropriations/Allocations										
Water Fund		663	4,414	4,384	1,997	1,648	1,689	550	1,100	16,446
Drainage and Wastewater Fund		590	4,048	4,243	1,938	1,332	1,230	513	1,025	14,918
Solid Waste Fund		230	3,632	4,048	1,938	572	450	188	375	11,432
Total*:		1,483	12,095	12,675	5,873	3,552	3,369	1,250	2,500	42,797
O & M Costs (Savings)				428	428	428	428	428	428	2,568
Spending Plan by Fund										
Water Fund			3,872	4,384	1,997	1,648	1,689	550	1,100	15,240
Drainage and Wastewater Fund			3,720	4,243	1,938	1,332	1,230	513	1,025	14,001
Solid Waste Fund			3,330	4,048	1,938	572	450	188	375	10,901
Total:			10,922	12,675	5,873	3,552	3,369	1,250	2,500	40,142

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2015 - 2020 Proposed Capital Improvement Program

Enterprise 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 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.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	66	940	1,043	1,123	484	598	1,150	554	5,957
Drainage and Wastewater Rates	54	1,014	965	1,044	451	548	1,056	507	5,638
Solid Waste Rates	23	472	357	383	165	205	394	190	2,189
Total:	143	2,426	2,365	2,550	1,100	1,350	2,600	1,250	13,784
Fund Appropriations/Allocations									
Water Fund	66	940	1,043	1,123	484	598	1,150	554	5,957
Drainage and Wastewater Fund	54	1,014	965	1,044	451	548	1,056	507	5,638
Solid Waste Fund	23	472	357	383	165	205	394	190	2,189
Total*:	143	2,426	2,365	2,550	1,100	1,350	2,600	1,250	13,784
O & M Costs (Savings)			138	138	138	138	138	138	827
Spending Plan by Fund									
Water Fund		940	1,043	1,123	484	598	1,150	554	5,891
Drainage and Wastewater Fund		864	965	1,044	451	548	1,056	507	5,434
Solid Waste Fund		322	357	383	165	205	394	190	2,016
Total:		2,126	2,365	2,550	1,100	1,350	2,600	1,250	13,341

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SPU-Technology

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 ongoing 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.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	1,630	1,769	990	1,364	858	1,628	968	1,342	10,549
Drainage and Wastewater Rates	1,444	1,415	923	1,271	800	1,517	902	1,251	9,522
Solid Waste Rates	452	524	338	465	293	555	330	458	3,414
Total:	3,526	3,709	2,250	3,100	1,950	3,700	2,200	3,050	23,484
Fund Appropriations/Allocations									
Water Fund	1,630	1,769	990	1,364	858	1,628	968	1,342	10,549
Drainage and Wastewater Fund	1,444	1,415	923	1,271	800	1,517	902	1,251	9,522
Solid Waste Fund	452	524	338	465	293	555	330	458	3,414
Total*:	3,526	3,709	2,250	3,100	1,950	3,700	2,200	3,050	23,484
O & M Costs (Savings)			235	235	235	235	235	235	1,409
Spending Plan by Fund									
Water Fund		1,710	990	1,364	858	1,628	968	1,342	8,860
Drainage and Wastewater Fund		1,721	923	1,271	800	1,517	902	1,251	8,384
Solid Waste Fund		509	338	465	293	555	330	458	2,947
Total:		3,940	2,250	3,100	1,950	3,700	2,200	3,050	20,190

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2015 - 2020 Proposed Capital Improvement Program

SPU-Technology

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 continued 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.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	2,444	1,701	2,698	2,229	2,095	1,229	1,012	885	14,294
Drainage and Wastewater Rates	1,783	1,393	2,476	2,058	1,939	993	943	811	12,397
Solid Waste Rates	788	533	925	763	716	426	345	304	4,800
Total:	5,015	3,627	6,100	5,050	4,750	2,649	2,300	2,000	31,490
Fund Appropriations/Allocations									
Water Fund	2,444	1,701	2,698	2,229	2,095	1,229	1,012	885	14,294
Drainage and Wastewater Fund	1,783	1,393	2,476	2,058	1,939	993	943	811	12,397
Solid Waste Fund	788	533	925	763	716	426	345	304	4,800
Total*:	5,015	3,627	6,100	5,050	4,750	2,649	2,300	2,000	31,490
O & M Costs (Savings)			315	315	315	315	315	315	1,889
Spending Plan by Fund									
Water Fund		1,401	2,698	2,229	2,095	1,229	1,012	885	11,550
Drainage and Wastewater Fund		1,175	2,476	2,058	1,939	993	943	811	10,395
Solid Waste Fund		487	925	763	716	426	345	304	3,966
Total:		3,063	6,100	5,050	4,750	2,649	2,300	2,000	25,912

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2015 - 2020 Proposed Capital Improvement Program

Science & System Performance

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, 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.

	LTD Actuals	2014 Rev	2015	2016	2017	2018	2019	2020	Total
Revenue Sources									
Water Rates	75	272	880	880	1,000	921	500	500	5,029
Drainage and Wastewater Rates	992	1,030	1,044	711	742	1,250	500	500	6,770
Solid Waste Rates	87	181	750	750	319	327	0	750	3,164
Total:	1,155	1,483	2,674	2,341	2,061	2,498	1,000	1,750	14,963
Fund Appropriations/Allocations									
Water Fund	75	272	880	880	1,000	921	500	500	5,029
Drainage and Wastewater Fund	992	1,030	1,044	711	742	1,250	500	500	6,770
Solid Waste Fund	87	181	750	750	319	327	0	750	3,164
Total*:	1,155	1,483	2,674	2,341	2,061	2,498	1,000	1,750	14,963
O & M Costs (Savings)			150	150	150	150	150	150	898
Spending Plan by Fund									
Water Fund		735	880	880	1,000	921	500	500	5,416
Drainage and Wastewater Fund		991	1,044	711	742	1,250	500	500	5,738
Solid Waste Fund		424	750	750	319	327	0	750	3,319
Total:		2,149	2,674	2,341	2,061	2,498	1,000	1,750	14,474

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