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CITY OF  
*Seattle, Washington*

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**2017-2022  
Capital Improvement Program**



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# CITY OF SEATTLE

## 2017-2022 Proposed Capital Improvement Program

Mayor Edward B. Murray

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**City of Seattle**  
**2017-2022 Proposed**  
**Capital Improvement Program**

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### Reader's Guide to the 2017-2022 Proposed Capital Improvement Program

The City of Seattle's 2017-2022 Proposed Capital Improvement Program (CIP) includes an introduction, departmental sections, appendix, an index, and a glossary. The introduction provides information on the CIP, allocations, funding sources for capital projects, significant initiatives, support for neighborhoods and neighborhood plan projects, and policies guiding the City's capital investments.

Departmental sections comprise the majority of the CIP document, and contain detailed information on approximately 472 projects. The following departments have sections in this book: Parks and Recreation, Seattle Center, Seattle Public Library, Seattle Department of Transportation, Seattle City Light, Seattle Public Utilities (divided into four sections: Drainage and Wastewater, Solid Waste, Technology Projects, and Water), Seattle Information Technology, and Finance and Administrative Services. The Appendix lists new or expanded capital facilities, as required by the Growth Management Act.

### Reading CIP Project Pages

CIP project pages, located in the departmental sections of the CIP, provide the most detailed information about a project. The project pages contain the following information:

**BCL (Budget Control Level):** A grouping of similar projects into department-specific programs. Also reflects the level at which expenditures are controlled to meet state budget law provisions.

**Project Type:** Projects are identified as New Facilities, Improvements to Existing Facilities, or Rehabilitation or Restoration of Existing Facilities. Technology projects, or those that do not fit into the categories above, are identified as New Investments.

**Location:** Street address, intersection, or general location of a project. If a project has multiple location entries, only one project location entry will be included in the CIP.

**Start Date/End Date:** Quarter and year a project begins and is expected to finish. Projects that continue from year-to-year are shown as "Ongoing." Projects without a determined start or end date may show as "TBD" or "On Hold."

**Project ID:** Unique number identifying a project in the City's automated financial management system.

**Neighborhood District:** The City is divided into 13 neighborhood districts. This field indicates in which (if any) neighborhood district(s), a project is located. Some projects are located in more than one neighborhood district or outside the city, and are so noted.

**Neighborhood Plan:** If a project supports a neighborhood plan recommendation, the name of the neighborhood plan is indicated. Some projects are in more than one neighborhood plan, or not in a neighborhood plan. The City's 38 adopted neighborhood plans can be viewed online at <http://www.seattle.gov/neighborhoods/np/plans.htm>.

**Council District:** The City is divided into 7 Council districts. This field indicates in which (if any) council district(s), a project is located. Some projects are located in more than one council district or outside the city, and are so noted.

**Urban Village:** This field indicates whether a project is located in an Urban Village, a designated geographic area expected to accommodate future population and job growth, as defined by the Comprehensive Plan's growth management strategy.

**Project Description:** Information about the purpose, scope, and history of the project.

**Revenue Sources:** Revenues are all sources of money supporting a particular project such as grants, private donations, Councilmanic debt, Real Estate Excise Taxes, etc. The Revenue Source Table lists the project's revenue sources, life-to-date (LTD) expenditures through 2015; the 2016 revised budget (including 2016 Adopted Budget, carry-forward balances, abandonments, and supplemental appropriations); proposed 2016 appropriations; and estimated appropriation requests for 2018-2022. "TBD" indicates that revenue sources are to be determined.

**Fund Appropriations/Allocations:** This table lists the appropriating funds, which are those funds through which the department has legal appropriation authority, and dollar information by year. Note that this level of detail on the project pages is for information only. The City appropriates funds at the Budget Control Level.

**O&M Costs (Savings):** Estimate of significant increases or decreases in operations and maintenance costs as a result of a capital project. "N/C" denotes that operations and maintenance costs are not calculated.

**Spending Plan:** This field is shown when spending differs from appropriation or allocation for a given year. This is displayed for a limited number of projects in this document.

### **Capital Improvement Program Purpose**

The Capital Improvement Program (CIP) is a six-year financial planning tool with the intent to identify future capital investments and potential strategies for funding those investments. The CIP also satisfies the requirements of cities planning under the Growth Management Act.

### **Background**

The City of Seattle owns and operates a variety of physical assets, ranging from community parks, roadways, bridges, office buildings, libraries, open space, fire stations, maintenance yards, facilities at Seattle Center, and more. The City must properly maintain these assets in order to ensure they are safe, lasting, and provide a welcoming and usable space to serve their intended purposes. The City's utility infrastructure is also included in the CIP, including electric, solid waste, water and wastewater utility assets. The City's capital infrastructure supports City operations, direct public services and programs, and in some cases, provides direct public benefits themselves.

Every year during the annual budget process, the City adopts a six-year CIP, which outlines anticipated investments over that timeframe. The 2017-2022 Proposed CIP totals \$6.6 billion over six years, with approximately \$1.1 billion of that amount designated for the 2017 budget year.

### **Capital Planning Policies**

The City has historically based capital planning efforts on a set of criteria that help set priorities among potential capital programs. [Resolution 31203](#), adopted in June 2010, set out the following policies to guide the City's capital spending:

- Preserve and maintain existing capital assets
- Support the goals of the City's plans
- Support economic development
- Consider external funding possibilities
- Consider revenue-generating possibilities
- Seek regional funding for regional projects
- Pursue cost-saving commitments
- Pursue conservation and sustainability investments

Additional specific considerations include:

- Compliance with regulatory requirements
- Coordination between departments and with other jurisdictions
- Public safety and health

In 2016, the Mayor formed a Capital Cabinet with the goal of improving coordination of capital projects and using data to target infrastructure investments that support growth and adapt to its impacts. The Office of Planning and Community Development and the City Budget Office co-lead the Capital Cabinet. The cabinet members include directors from key capital departments (SDOT, Utilities, Parks, FAS) and also involves participation from Department of Neighborhoods, the Office of Economic Development, the Office for Civil Rights and others to address outreach, environmental, and race and social justice issues.

### **Capital Program Funding**

Like all large municipalities, Seattle relies on a variety of sources to pay for capital projects. These include locally generated revenues (taxes, fees, voter-approved levies, and user charges), intergovernmental revenues (including state and federal grants), private funding (franchise utilities, philanthropy) and debt issuance. These traditional sources continue to provide the majority of funds for capital facility investments. The City's level of capital investment is based on the mix and extent of financial resources available to the City.

### **Debt Financing**

The City uses multiple forms of debt to finance large capital projects such as Limited Tax General Obligation Bonds (LTGO) also known as councilmanic bonds, Unlimited Tax General Obligation Bonds (UTGO) or voter-approved bonds, and revenue bonds. Unlike pay-as-you-go sources of funding, the issuance of debt requires revenues in future years to repay the principal and interest expenses. Councilmanic debt is a common financing tool used by the City, but those obligations must be repaid from the same set of limited resources including REET and General Fund revenues. See the Debt Service section of the 2017-2018 Proposed Budget for more information on debt financing.

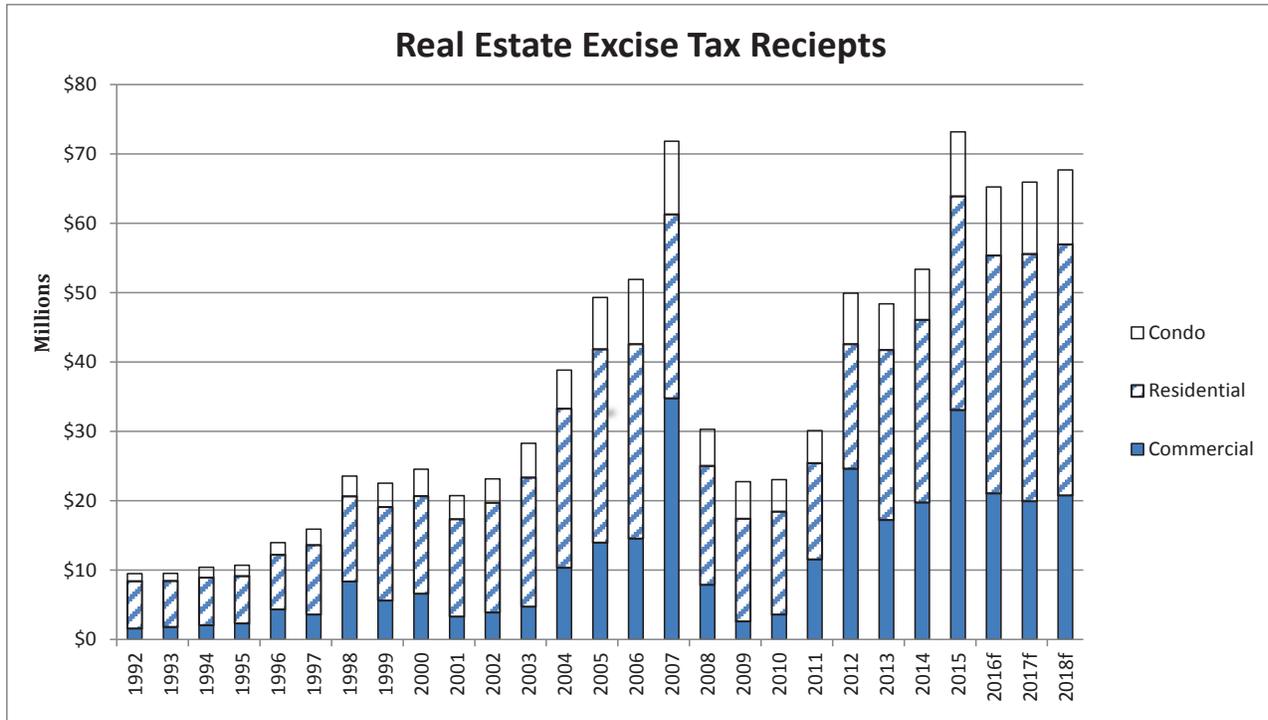
### **Public Utility Funding**

Both Seattle City Light and Seattle Public Utilities fund utility projects with revenues from utility rates. Each utility's adopted financial policies determine what share of their capital investments are funded through cash, and what share from debt. These policies are designed to balance the portion of current investments that are paid by today's ratepayers, versus future ratepayers who will also benefit from long-term capital investments.

### **Real Estate Excise Tax (REET)**

Funding of the City's general government capital program is highly dependent on revenue from REET. REET is a volatile revenue source that tracks closely to local economic activity. As shown in the graph below, REET revenues rose sharply in 2004-2007 during the economic expansion, but fell sharply in 2008-2011 as real estate activity fell off. REET revenues rebounded significantly in 2012 due to robust commercial activity. An improving residential market combined with continued strength in commercial activity has led to robust REET revenues over the past few years. The current REET forecast for 2017 and 2018 shows sustainable growth into the near future. The continued growth provides the opportunity to target investments such as asset preservation and other REET eligible projects.

Although REET revenues in recent years have been relatively stable, large and sudden fluctuations in this revenue source make it difficult to depend upon for ongoing capital needs. For this reason, the City maintains a reserve of REET funds to help offset fluctuations in revenue. The City dipped into this reserve in 2010, but through careful management of capital spending over the last several years, the City was able to replenish the \$10 million target reserve level by the end of 2014. Maintaining this reserve is critical to ensure the City has sufficient funding to support core asset preservation work in the event of a future economic downturn.



### Seattle’s Recent History – Major Voter-Approved Capital Projects

In addition to reliance upon general tax sources, Seattle undertook a number of major capital projects during the last two decades using voter-approved funds and councilmanic (non-voted) debt. Voter-approved capital projects include improvements to Seattle Center and construction of new or expanded community centers and parks, new or remodeled downtown and branch libraries, new or remodeled fire facilities, parks improvements, and replacement of the Elliott Bay Seawall. The following is a list recent levies:

- The 2015 Move Seattle Transportation Levy:* The Move Seattle levy will generate \$95 million in 2016, increasing every year until it reaches \$112 million in 2024. The levy proceeds will be used to support safe routes, congestion relief, and maintenance and repairs of our city’s bridges and arterial roadways. A major financing strategy in the Move Seattle levy is the dependence on partnerships—leveraging external resources such as state and federal grants to accomplish transportation projects such as the S. Lander Street Grade Separation project.
- Creation of Seattle Parks District in 2014.* The passage of the Park District is the culmination of the Parks Legacy Plan project, led by the Parks Legacy Plan Citizens' Advisory Committee. The goal of the Park District is to provide long term, stable funding to support recreation programming, parks projects and the critical needs for investment in major and ongoing maintenance. In 2016, the Parks District began collecting property tax revenue, accumulating the first year of full funding for Park District projects. The Park District will provide over \$35 million annually for major maintenance and capital projects.
- The 2012 Central Seawall Excess Levy:* A 30-year, \$290 million bond levy provided a portion of the funding needed to construct Phase 1 the Elliott Bay Seawall Project (from Washington Street to Virginia Street) and funds reconstruction of one of the public piers (Pier 62/63 and Waterfront Park).

- *The 2012 Library Levy:* A seven year, \$123 million levy to support, maintain and improve core Library services. Included as part of the levy were resources for the preservation and maintenance of library facilities. The City Librarian and the Library Board of Trustees prepare annual progress reports that show how levy proceeds have been used each year. The levy provides an average of \$3.1 million annually for major maintenance and asset preservation projects; including maintenance necessary for building components such as roofs, floors, finishes, HVAC and mechanical systems.
- *The 2008 Parks and Green Spaces Levy:* A six-year, \$146 million levy to acquire, develop, or restore, existing or new, parks, recreation facilities, cultural facilities, green spaces, playfields, trails, community gardens, and shoreline areas. This levy expired at the end of 2014, but a new source of voter-approved revenue—the Seattle Park District—is now providing on-going funding to help address major maintenance needs, as well as park development, at the Seattle Department of Parks and Recreation.
- *The 2006 Bridging the Gap Levy:* A nine-year, \$365 million levy for transportation maintenance and improvements. In 2015, the Bridging the Gap levy was replaced by the Move Seattle levy.
- *The 2003 Fire Facilities and Emergency Response Levy:* A nine-year, \$167 million levy which supported upgrades or replacement of the City’s 33 fire stations and renovated the Chief Seattle fireboat, and built a new Emergency Operations Center and a new Joint Training Facility.

### **Funding Dynamics for Significant Future Capital Projects**

Given general resource funding challenges, the City will continue to rely on mix of general government resources and voter-approved funding packages to complete major capital projects and to secure needed funding for basic asset preservation. The City has identified several major priority areas for which significant capital investments will be needed. The following sections describe these priority areas at a high level.

#### **Public Safety Facilities**

A number of the City’s public safety facilities are in need of upgrade or replacement. For example, Fire Station 5 on Alaskan Way, Fire Station 22 on East Roanoke Street, the Police Harbor Patrol facility on Lake Union, and the Police North Precinct on College Way North all need to be remodeled or replaced. In addition, The Fire Department Headquarters is currently located in a seismically unsound building and the Department’s fresh water boat facilities is in need of a major upgrade. Given the costs of these investments, there is a potential that the City will return to voters to request the funding required to address these projects in the future.

#### **Transportation**

The City’s existing transportation network faces an extensive backlog of major maintenance. Current funding is not sufficient to maintain the City’s road, bridges, signs, etc. In addition, through a series of long-term planning efforts the City has completed “Master Plans” that identify large potential investments in a transit network, bicycle facilities, freight projects and pedestrian-oriented infrastructure. In recent years, the Bridging the Gap transportation levy, which expired in 2015, provided a significant amount of funding to help address all these needs. In November of 2015, voters approved a new nine year \$930 million dollar levy that will address critical transportation programs such as safe routes, relief of congested roadways and maintenance and repair programs.

### **Waterfront**

The City has developed a comprehensive plan for the improvement of Seattle's Central waterfront. The removal of the Alaskan Way Viaduct will provide an opportunity to reconnect the City to the waterfront and develop new open space to support the growth and economic development of central Seattle. There are five main capital projects encompassed in the Waterfront program.

#### *Projects*

The largest project—the Alaskan Way Main Corridor project—will construct a new surface street providing access to the waterfront from Pioneer Square to Belltown. The Overlook Walk and East-West Connections project constructs the Overlook Walk, a new accessible connection between the Pike Place Market and the waterfront, and improvements to east-west streets connecting the waterfront and the rest of downtown Seattle. The program also includes projects to reconstruct parks located on piers along the waterfront (Waterfront Park and Pier 62/63 Park), expand the Seattle Aquarium and to expand the Pike Place Market.

#### *Progress Update*

Significant construction work on the waterfront projects relies on the removal of the Alaskan Way Viaduct, which cannot take place until WSDOT's completion of its tunnel-boring project and construction of the new tunnel, currently estimated for completion in 2019.

Design of the Main Corridor and Overlook Walk projects is well underway. In addition, construction of the Pike Place Market Front expansion is on track for completion in 2017. The Seattle Aquarium has also begun design for its expansion.

In 2016, Parks and the Office of the Waterfront were able to accelerate the project schedule for replacing Pier 62 on the waterfront. The Pier was closed for large public events after the 2001 Nisqually Earthquake. The Council approved a schedule and a funding plan for the Piers project that leverages both Seattle Park District funding and private fundraising from the Friends of the Waterfront group.

#### *Funding*

The 2017-2022 Proposed CIP identifies a mix of resources to fund these projects and the other elements of the overall Waterfront redevelopment. In addition to general government resources in the form of REET and General Fund-supported debt, the funding plan calls for significant contributions from a Local Improvement District (LID), philanthropy, and WSDOT. The LID provides that property owners who benefit from the project pay a share of its cost. LID formation is expected to occur in 2018, with LID revenues anticipated beginning in 2019. Negotiations with WSDOT on a final construction funding agreement are anticipated to be complete by the end of 2016.

### **Protecting and Creating Opportunities for Workers**

The City considers not only what capital projects to fund, but also how to deliver them and achieve broader goals for fairness, equity and opportunity in the community. The Department of Finance and Administrative Services (FAS) leads a number of policy initiatives to ensure social responsibility and equity in the spending of City capital dollars.

**Fair and equitable treatment of workers:** While FAS monitors and enforces fair and equitable treatment of workers in City construction contracts to protect workers, due to limited resources, it could only focus on a small number of projects. In 2013, FAS increased its monitoring and enforcement of wage and labor conditions on City-contracted construction projects, including Office of Housing-financed projects. The 2017 Proposed Budget provides funding to allow FAS to continue this program, including compliance monitoring for wage and labor violations for projects considered high-risk.

**Reduce barriers to construction jobs:** The City’s own spending on major capital investments can help drive employment within the local economy. Construction jobs and related positions offer living-wage jobs that can support individuals and families. The 2017-2018 Proposed Budget maintains additional funding added in the 2016 Adopted Budget for contracts with pre-apprenticeship and training partners in support of the “Priority Hire” program. The program provides opportunities for City residents to work on City-funded capital projects. For major capital projects, City contractors enter into Community Workforce Agreements that are intended to increase employment for women, people of color and those living in economically distressed areas of the City.

**Women and Minority Owned Business (WMBE):** The City continues to successfully address contracting equity for minority- and women- owned businesses. In 2011, FAS implemented a Citywide requirement on all public work bids and contracts above \$300,000 called the “ Public Works WMBE Inclusion Plan” that continues to effectively encourage and enforce commitments by contractors to use WMBE firms. In 2014, FAS launched prompt pay initiatives which our WMBE firms report as very significant and meaningful for their business cash flow.

**2017-2022 Proposed Capital Improvement Program Summary**

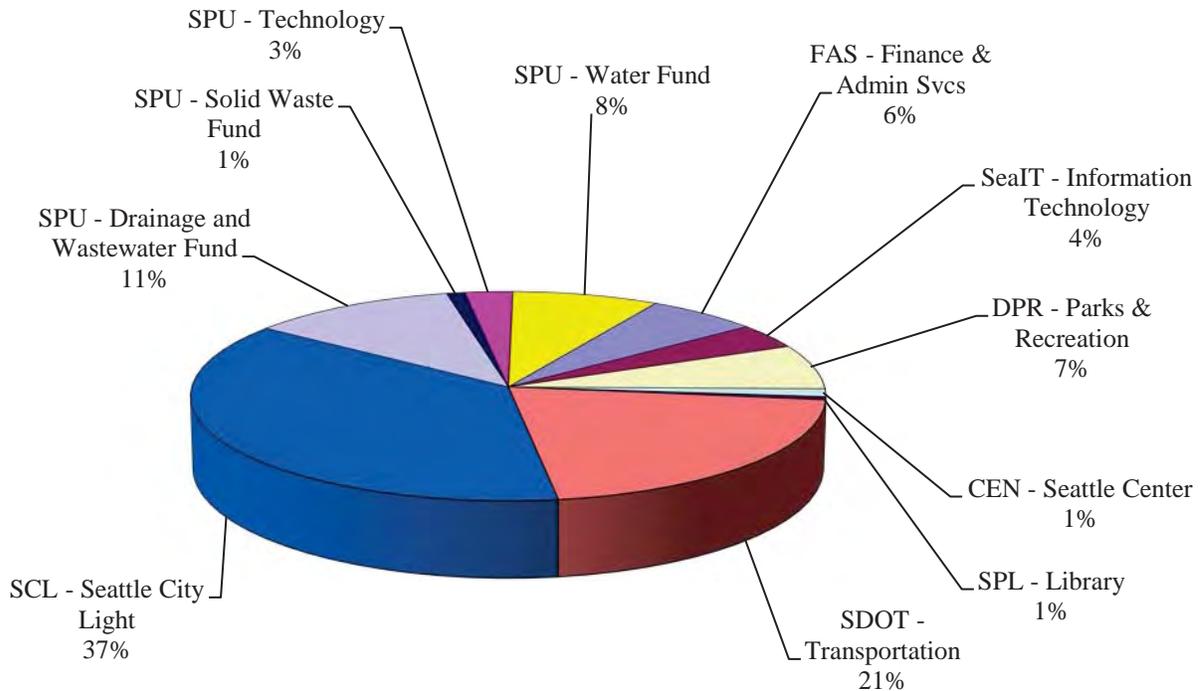
The 2017-2022 Proposed CIP totals \$6.6 billion for six years and includes approximately 471 projects. Approximately \$4.1 billion of the six-year total, or 62%, are utility projects managed by Seattle City Light (SCL) and Seattle Public Utilities (SPU), and mostly funded by utility rates. The Seattle Department of Transportation’s (SDOT) CIP totals \$1.57 billion (24%) over the six-year period, while the remaining departments (Parks and Recreation, Finance and Administrative Services, Seattle Center, Seattle Public Library, and Department of Information Technology) account for approximately \$948 million, or 14%, of the six-year CIP.

**2017-2022 Proposed CIP by Department (000s)**

Department	2016 Adopted	2017 Proposed	2018 Estimated	2019 -2022 Estimated	2017-22 Total
Finance and Admin Services	74,270	67,890	46,265	56,298	170,454
Information Technology	11,913	42,336	43,754	139,763	225,853
Parks and Recreation	54,566	75,578	83,842	328,833	488,253
Seattle Center	6,969	13,073	7,340	26,748	47,161
Seattle Public Library	4,527	5,557	4,322	6,242	16,121
Seattle Dept of Transportation	291,451	226,976	345,557	993,246	1,565,779
<b>Subtotal</b>	<b>443,696</b>	<b>431,410</b>	<b>531,080</b>	<b>1,551,130</b>	<b>2,513,621</b>
<b>City-owned Utilities</b>					
Seattle City Light	413,727	410,173	385,227	1,578,771	2,374,171
SPU - Drainage & Wastewater	117,172	125,910	158,106	747,850	1,031,866
SPU - Solid Waste	32,129	11,146	22,137	23,759	57,041
SPU - Technology Projects	33,346	28,783	16,322	39,950	85,055
SPU - Water	59,521	88,591	101,721	329,670	519,982
<b>Subtotal</b>	<b>655,895</b>	<b>664,603</b>	<b>683,512</b>	<b>2,719,999</b>	<b>4,068,115</b>
<b>City Total</b>	<b>1,099,591</b>	<b>1,096,013</b>	<b>1,214,593</b>	<b>4,271,129</b>	<b>6,581,735</b>

Note: 2016 Adopted totals are based on the 2016-2021 Adopted CIP. Not all funds above are appropriated; see the 2017-2018 Proposed Budget for a list of capital appropriations by department.

**2017 Proposed CIP by Department - \$ 1,096 Million**

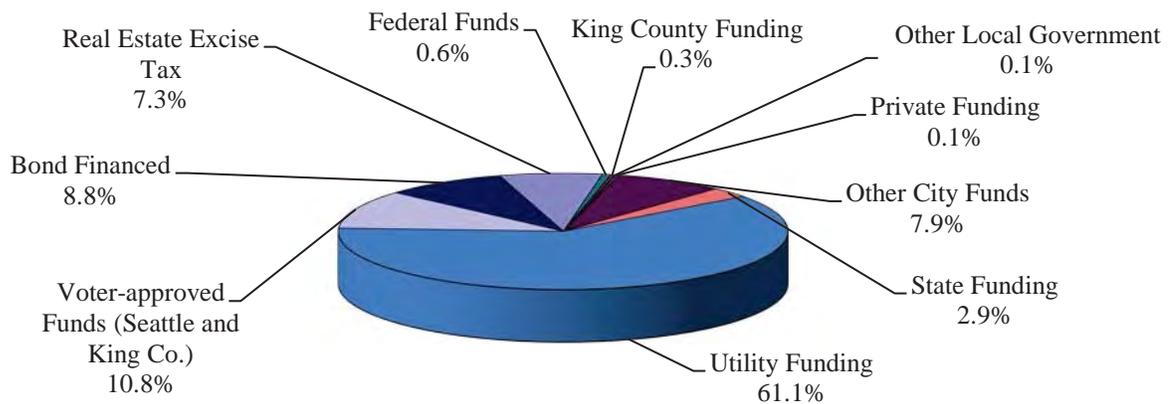


The table below identifies funding sources for the 2017-2022 Proposed CIP by Revenue Source Group

**2017-2022 Proposed CIP Revenues (000s)**

Revenue Source Group	2016 Adopted	2017 Proposed	2018 Estimated
Federal Funds	8,383	6,821	60,747
King County Funding	4,373	3,228	3,185
Other City Funds	64,934	87,024	60,420
Other Local Government	97	901	3,035
Private Funding	17,703	1,610	5,851
State Funding	20,867	31,370	21,889
To Be Determined	-	-	87,559
Utility Funding	659,487	669,866	695,933
Real Estate Excise Tax	56,708	80,521	69,294
Bond Financed	109,690	96,779	53,534
Voter-approved Funds (Seattle and King Co.)	157,347	117,894	153,145
<b>Grand Total</b>	<b>1,099,591</b>	<b>1,096,013</b>	<b>1,214,593</b>

**2017 Proposed CIP by Revenue Source - \$ 1,096 Million**



**Asset Preservation**

A 2002 Asset Preservation Study found that, despite achieving targets recommended by the 1994 Citizens’ Capital Investment Committee, the City still lagged behind industry-recommended levels of investment in asset preservation. The four general government departments involved in the study (Finance and Administrative Services, Library, Parks and Recreation, and Seattle Center) are responsible for about of 6.9 million square feet of building space, 2.6 million square feet of parking space, and 240 million square feet of grounds (primarily green space) and work yards. These assets have a replacement value of approximately \$5 billion. Assuming an annual asset preservation funding target of 1.0% of the replacement value for buildings and 0.5% of the replacement value for other assets, the City should be investing about \$50 million (2013 dollars) per year in asset preservation. These percentage targets are consistent with those used by other jurisdictions that were polled as part of this study’s review of best practices.

In 2017, the City will spend \$50 million from the Cumulative Reserve Subfund (CRS) and \$86 million overall on asset preservation of general government infrastructure in parks, libraries, civic buildings, and on the Seattle Center campus. Space rent charges continue to fund projects in the Department of Finance and Administrative Services as recommended by the 2002 Asset Preservation Study. The Department of Transportation will spend an additional \$106 million on asset preservation for infrastructure in 2017.

**Cumulative Reserve Subfund**

The Cumulative Reserve Subfund (CRS) is a significant source of ongoing local funding to support capital projects in general government departments. This subfund is a reserve fund authorized under state law and is used primarily for maintenance and development of City capital facilities. Real Estate Excise Taxes (REET) supports the majority of CRS spending.

The table below shows department allocations from CRS along with other special programs, including debt service payments, support for the Design Commission, Artwork Conservation and the City’s Tenant Relocation Assistance Program. Further explanations of these special programs can be found in the 2017-2018 Proposed Budget.

**CRS Appropriations by Department (000s)**

<b>Department</b>	<b>2017 Proposed</b>	<b>2018 Proposed</b>
Seattle Center	7,217	6,268
Seattle Department of Transportation	1,884	550
Seattle Public Library	26,500	5,000
Department of Parks and Recreation	34,142	37,575
Finance & Administrative Services	24,943	29,760
Cumulative Reserve Subfund Direct Spending	1,414	1,440
<b>Total</b>	<b>96,100</b>	<b>80,593</b>

**Neighborhood Projects**

**Support for Neighborhoods and Neighborhood Plan Projects**

The 2017-2022 Proposed CIP contains more than 79 projects, totaling approximately \$224 million, in support of neighborhood plans in 2017. The plans, created with input from 20,000 citizens and approved by the City Council, identify actions desired to ensure the City’s neighborhoods continue to thrive and improve as Seattle grows over the next 20 years, as well as meet commitments under the State’s Growth Management Act. Projects supporting neighborhood plan recommendations are found throughout the CIP and include parks, street and pedestrian improvements, libraries, community centers, drainage improvements, and pedestrian and safety lighting. When a project’s location is included in a neighborhood plan’s geographic parameters, the neighborhood plan is indicated. Funding for these projects comes from voter-approved levies, the Neighborhood Matching Subfund, the Cumulative Reserve Subfund, utility funds, Community Development Block Grant funds, and other public and private sources.

**Neighborhood Project Fund**

Beginning in 1999, the City set aside approximately \$1 million per year from the Cumulative Reserve Subfund (CRS) for major maintenance projects identified in neighborhood plans. The Mayor, as part of his commitment and investment in Neighborhoods, added an additional \$1 million of CRS resources for 2017. These neighborhood projects are identified and prioritized by the community, and selected for funding by the Department of Neighborhoods, SDOT, Parks, and the City Budget Office. The most recent selection process was completed in August 2016 and the complete list of projects can be found on the [Neighborhood Park and Street Fund](#) website. The Department of Parks and Recreation budget includes \$59,000 of CRS REET II funding and SDOT’s budget includes \$1,941,000 of CRS REET II funding for these neighborhood projects. SDOT also contributes approximately \$300,000 of additional resources to supplement the available resources. Funding for these projects is included in SDOT project TC365770 (NPSF Neighborhood Parks Street Fund) and Parks project K732376 (Neighborhood Capital Program).

**Neighborhood Matching Subfund**

The 2017-2018 Proposed Budget maintains funding to [Neighborhood Matching Subfund](#) (NMF) grant programs. A number of CIP projects, particularly in the Department of Parks and Recreation, include funding from NMF.

The City created the NMF in 1988 to provide funding to Seattle neighborhood groups and organizations for a broad array of neighborhood-initiated improvement, organizing, or planning projects. Many of these projects also support citywide initiatives such as Race and Social Justice, Youth Violence Prevention, Environment and Sustainability, and Neighborhood Planning. Awards range from a few thousand dollars up to \$100,000, and NMF funds can cover all phases of a capital project except property acquisition. The NMF program requires a 1:1 match for capital projects, which means all awards leverage other private and public contributions. Matches consist of volunteer labor, donated materials, professional services, or money. The Department of Neighborhoods administers the granting process.

**Art and Design Funding for City Capital Projects**

**1% for Art Program**

The 1% for Art program, established by Seattle Municipal Code Chapter 20.32, requires the City deposit 1% of eligible CIP project budgets in the Municipal Arts Fund for the commission, purchase and installation of artworks throughout Seattle. The Office of Arts and Culture (Arts) manages the 1% for Art program and the Municipal Art Fund. Arts establishes the scope of work and budgets for new art projects and describes the status of ongoing public art projects in an annual [Municipal Art Plan \(MAP\)](#).

Municipal Art Fund revenues from the 1% for Art program can fluctuate significantly from year-to-year depending on changes in City capital investments. In 2017, the Municipal Art Fund is expected to receive approximately \$3.97 million from capital departments for the 1% for Art program, as described below.

	<b>2017 Proposed</b>
<b>1% for Art Revenues</b>	
City Light	\$1,440,960
Seattle Public Utilities	\$873,000
Finance & Admin. Services	\$605,000
Seattle Center	\$50,850
Parks & Recreation	\$92,380
Transportation	\$909,899
<b>Total</b>	<b>\$3,972,089</b>

In addition to the 1% for Art revenues identified above, Arts receives \$187,000 in 2017 from the Cumulative Reserve Subfund for repair of all sited and portable artworks.

**Design Commission**

Established in 1968, the [Seattle Design Commission](#) advises the Mayor, the City Council and appropriate City departments on design and environmental aspects of the City’s CIP. Commission members are appointed by the Mayor for a renewable two-year term. Membership is comprised of two licensed architects, one professional fine artist, one appointee from the Get Engaged program, one lay member, and at least one and no more than two from each of the following categories, for a maximum total of five (professional urban planner, professional environmental or urban designer, landscape architect, and licensed professional engineer). The Design Commission is fully funded with funds from the Cumulative Reserve Subfund.

Projects eligible for review include any on-or above-grade structure, including buildings and additions to buildings, bridges, park developments, street furniture, and all similar installations. The Commission reviews below-grade structures such as tunnels, arcades and underground passageways that are regularly visible to the public. Projects reviewed by the Commission must be financed in-whole or in-part with City funds, be on land belonging to the City, or be subject to approval by the City. Commission involvement in capital improvement projects begins as early in the planning process as possible, starting with participation in the consultant selection process and continuing through the many stages of project development. This includes project reviews at the scope briefing or pre-design stage, conceptual design, schematic design, design development, and sometimes construction documents stages.

### **Background of Capital Improvement Program Policy Drivers**

As described above, City investments in capital projects are guided by a set of key policies reflecting the City's values and priorities. These policies shape how the City takes care of buildings and infrastructure, invests in capital projects in areas that have accepted growth as envisioned in the City's Comprehensive Plan, preserves the City's historic buildings, supports sustainable building practices, and ensures that all members of the community have access to the economic opportunities capital projects create. The following section details some of these key policies.

#### **Sustainable Building Policy**

In February 2000, the City Council adopted a Sustainable Building Policy for the City of Seattle ([Resolution 30121](#)) which articulated the City's commitment to environmental, economic and social stewardship and set the expectation that new municipal facilities meet established green building standards. Specifically, it called for all new construction and major remodel projects over 5,000 square feet to achieve a LEED Silver rating. When adopted, this policy was the first of its kind in the nation and represented a groundbreaking approach to demonstrating City leadership and transforming the marketplace.

Since 2000, the green building community has experienced exceptional growth in expertise and capacity. Recognizing this change, in 2011 the Executive proposed an updated Sustainable Building Policy which the Council unanimously passed in October of 2011 ([Resolution 31326](#)). The update represents a comprehensive approach that reflects advances in the green building industry, aligns the policy with the City's increased attention to climate change, addresses a greater range of project types, and ensures that Seattle continues to provide leadership that advances sustainable development in both the public and private sectors. The updated policies include the following requirements:

As a result of the 2011 Sustainable Buildings and Sites Policy now in place:

- For new construction, additions and major renovation projects 5,000 square feet or greater
  - The minimum required green building rating is LEED Gold;
  - There are minimum requirements for energy and water efficiency, construction waste reductions, and bicycle amenities;
- For tenant improvement projects 5,000 square feet or greater, where the scope includes mechanical, electrical, and plumbing
  - The minimum required green building rating is LEED Gold;
  - There are minimum requirements for water efficiency and construction waste reductions;
- Completion of a Capital Green checklist is required for projects smaller than 5,000 square feet or those otherwise not eligible for a LEED rating;
- City departments are encouraged to test new approaches and standards, such as the Living Building Challenge and the Sustainable Sites Initiative;
- Annual reporting of performance under the policy is required by March 31<sup>st</sup> of each year.

Additionally, the resolution directs City departments to evaluate and improve existing standards and processes that relate to tenant improvements, leasing, and site management.

### **City of Seattle Comprehensive Plan**

The Comprehensive plan is a 20-year vision and roadmap for Seattle's future. The plan guides City decisions on where to build new jobs and houses, how to improve our transportation system, and where to make capital investments such as utilities, sidewalks, and libraries. The Plan is the framework for most of Seattle's big-picture decisions on how to grow while preserving and improving our neighborhoods. The Office of Planning and Community Development (OPCD) sent the Mayor's proposed update of the City's Comprehensive Plan "[Seattle 2035](#)" to the City Council in May of 2016. Council is expected to complete their review and vote to approve the Comprehensive Plan in late 2016.

The Comprehensive Plan helped inform the development of the 2017-2022 Proposed CIP as departments have taken special note of capital projects in neighborhoods targeted for substantial growth in the future or that have received substantial growth in the last few years. This effort is intended to make sure areas receiving growth have the appropriate physical infrastructure to accommodate such growth, while balancing the major maintenance of existing facilities, such as power distribution systems, pipes, community centers, swimming pools, libraries, and streets that are located throughout the City, not just in targeted growth areas

### **Federal and State Regulatory Requirements**

The City's utilities have several facility projects in their Capital Improvement Programs to meet federal and state regulatory requirements. The City of Seattle must abide by the City's two National Pollutant Discharge Elimination System (NPDES) permits, one for storm water and one for combined sewer system. The City is required, for example, to invest hundreds of millions of dollars in the combined sewer/storm water system over the next several years to control the number of combined sewer overflows (CSOs) into receiving bodies of water, including Lake Washington and Puget Sound. City Council recently approved a CSO Consent Decree with the Environmental Protection Agency (EPA) and the Department of Ecology (DOE). This Consent Decree outlines how the City will become compliant with EPA and DOE regulatory requirements regarding sewage releases from the city conveyance system.

City Light operates its hydroelectric dams and powerhouses under licenses from the Federal Energy Regulatory Commission. Licenses include Settlement Agreements that require City Light to perform mitigation and public benefit activities. City Light is currently completing Skagit Mitigation; is well under way with Boundary Relicensing; and is planning to start Skagit Relicensing in 2019. To meet North American Electric Reliability Corporation (NERC) security standards, City Light is proposing substation and hydro facility improvements such as access cards, fencing, camera coverage, and vehicle and pedestrian gates.

City Light also complies with a wide range of permitting requirements and environmental regulations. Current examples include wetlands mitigation in the Technical Training Center project, mitigation of soil contamination at the Denny Substation site, and ongoing environmental mitigation in the Endangered Species Act project. Street-use permits and regulations are a major part of City Light projects that expand and repair the electric distribution system.

### **Endangered Species Compliance**

The Cedar River Watershed Habitat Conservation Plan (HCP) is a 50-year, ecosystem-based plan that was prepared to address the declining populations of salmon, steelhead and other species of fish and wildlife in the Cedar River basin. The HCP was prepared under the Endangered Species Act and is designed both to provide certainty for the City of Seattle's drinking water supply and to protect and restore habitats of 83 species of fish and wildlife that may be affected by the City of Seattle's water supply

and hydroelectric operations on the Cedar River. Seattle Public Utilities is continuing to implement its commitments under the HCP, which include downstream habitat protection and restoration, upland forest restoration, logging road decommissioning, and ongoing monitoring. City Light is also acquiring salmon habitat in the Green/Duwamish, Skagit, and Snohomish watersheds.

### **Americans with Disabilities Act**

The United States Department of Justice (DOJ) conducted an audit of select City of Seattle facilities, practices and procedures, in order to assess City compliance with the Americans with Disabilities Act (ADA), and reported its findings to the City. While the City is largely in compliance, there are some elements within facilities that the DOJ has requested that the City update or alter in order to improve accessibility for individuals with disabilities. In 2017, the City will continue to survey City facilities for ADA compliance, and appropriate funds to alter or address items where the City agrees accessibility can be improved.

A project manager added in 2011 will continue to coordinate and oversee implementation of ADA improvements in certain City facilities; determine and report compliance to DOJ; and review and modify as needed the facilities design and construction process with regard to the ADA. Additionally, a citywide prioritization process was developed to allocate ADA funding among the five implementing departments: Parks and Recreation, Seattle Center, Seattle Public Library, Department of Transportation and Finance and Administrative Services (FAS). Among other criteria, the process aimed to identify the highest use facilities and those where work could be done at the same time as other remodeling.

In order to provide additional proactive monitoring of compliance with ADA standards for new capital projects, in 2013 the City added additional staff dedicated to monitoring ADA compliance of new projects. An additional position was added in 2014 to the Parks Department, dedicated to ADA compliance coordination and in 2015 the Seattle Department of Transportation added one strategic advisor and funding for an ADA transition plan to ensure curb ramp compliance.

### **Historic Preservation**

Seattle's commitment to historic preservation began with citizen efforts in the 1960s to block the demolition of two of Seattle's oldest neighborhoods—Pike Place Market and Pioneer Square. Both neighborhoods were threatened with proposals that would have irreversibly changed the character of the districts. The Pike Place Market was faced with an Urban Renewal Plan that would have demolished it, while Pioneer Square was threatened with a major roadway project. In 1970, the Seattle City Council created the Pioneer Square Preservation District, Seattle's first historic district. Then, in 1971, voters approved an initiative to create the Pike Place Market historical district. In 1973, the Seattle City Council adopted a Landmarks Preservation Ordinance to safeguard properties of historic and architectural significance throughout the City, and more than 450 buildings, sites, and objects have now been designated as City landmarks.

The City of Seattle currently owns or maintains many of those landmarks, including libraries, park buildings, and fire stations. In 2001, the City began a comprehensive effort to survey and inventory both City-owned properties and privately-owned properties throughout the City. To date, the Department of Neighborhoods has completed surveys and inventories in 20 of the City's neighborhoods including Belltown, Cascade, Central, Columbia City, Denny Triangle, Downtown, Fremont, Georgetown, Mount Baker, North Beacon Hill, North Rainier, Pike-Pine, Pioneer Square, Queen Anne, South Lake Union, South Park, South Seattle, University, Wallingford, Waterfront, as well as city-owned properties, pre-1906 residential buildings, and neighborhood commercial buildings throughout the City. The results of those efforts are available in a searchable database on the [Department of Neighborhoods](#) website.

# **Parks and Recreation**

## Overview

The Department of Parks and Recreation (DPR) manages a 6,200-acre park system of more than 400 parks and extensive natural areas. DPR provides athletic fields, tennis courts, play areas, specialty gardens, and more than 25 miles of boulevards and 120 miles of trails. The system comprises approximately 11% of the city's land area. DPR also manages many facilities, including 27 community centers, eight indoor swimming pools, two outdoor (summer) swimming pools, four environmental education centers, two small craft centers, four golf courses, an outdoor stadium, a conservatory, and a Japanese garden. Parks, open space, recreation facilities, and programs contribute to Seattle's physical, mental, and environmental health and support the City's economic vitality. Well-managed stewardship of the City's park land ensures the long-term viability and availability of parks and open space.

## CIP Revenue Sources

Funds for the development of the system and for ongoing asset management come from a variety of sources. The Seattle Park District, passed by Seattle voters in 2014, provides a significant increase in funding for DPR capital projects. Other funding includes the 2008 Parks and Green Spaces Levy, the Cumulative Reserve Subfund, the Central Waterfront Improvement Fund, Councilmanic debt, and other special fund sources, grants, and private donations.

The funding sources used to cover annual debt service vary depending on the projects being debt financed: golf revenues are used to repay all golf-related debt; aquarium revenues pay for a portion of the debt service on the bonds used to renovate Pier 59; revenue from Magnuson Park rentals covers roughly half of the debt service for the renovations of Buildings 11 and 30; and the General Fund covers debt service for the rest of the Pier 59 bonds and on other DPR-related bonds.

### ***Seattle Park District***

In August 2014, the voters of Seattle passed a ballot measure creating the Seattle Park District (a metropolitan park district). The Park District provides for a new taxing authority and ongoing revenue source to fund increased parks and recreation services and capital projects. The Park District has the same boundaries as the City of Seattle. The City Council members, acting *ex officio* and independently, comprise the governing board (the District Board). In 2017, the Park District will generate \$36 million of revenue for DPR's capital budget with the largest component going towards asset preservation and major maintenance.

### ***Cumulative Reserve Subfund***

The Cumulative Reserve Subfund also provides funding for DPR's capital budget, and it is used for asset preservation purposes. This funding is provided by revenues from the real estate excise tax (REET). It is used to address various ongoing capital programs, such as boiler replacement, electrical system upgrades, small irrigation upgrades, athletic field and ballfield improvements, small roofing replacement, paving restoration, landscape and forest restoration, and others. It also funds replacement of aging field lighting systems and certain aquarium infrastructure projects.

### ***2008 Parks and Green Spaces Levy***

The 2008 Parks and Green Spaces Levy was a six-year \$145.5 million levy intended to acquire, develop, or restore, existing or new, parks, recreation facilities, cultural facilities, green spaces, playfields, trails, community gardens, and shoreline areas. The levy package, largely modeled after the successful 2000 Pro Parks Levy, provided for acquisition of new parks and green space and for development and improvement of various parks throughout the city. This included renovation of 23 play

## Department of Parks and Recreation

areas, park development atop lidded reservoirs, renovation of several existing parks and cultural facilities, and an environmental category to provide funding for the Green Seattle Partnership, community gardens, trails, and improved shoreline access at street ends. An Opportunity Fund Category funded other community-identified projects. This levy ended in 2014 but continues to collect revenues on delinquent property taxes. The capital budget does not include any new appropriations of levy funds, but DPR will continue to spend down existing appropriations.

### 2017-2022 CIP Highlights

The 2017 Capital Improvement Program (CIP) reflects a wide range of projects. The primary funding source is the Park District which provides approximately \$36 million for capital projects in 2017. Additionally, the Cumulative Reserve Subfund (CRS) provides approximately \$34 million, through a combination of \$32 million in REET I and REET II, and \$2 million in CRS-Unrestricted. The majority of the remaining \$4.6 million in the CIP comes from a federal Community Development Block Grant (CDBG), the Central Waterfront Improvement Fund, and King County.

DPR's 2017 CIP maintains a strong commitment to asset preservation. As such, the projects proposed for REET are prioritized consistent with DPR's asset management plan. Ongoing major maintenance projects, such as environmental remediation, landscape and forest restoration, irrigation system repair, pavement restoration, and replacing major roof and HVAC systems address basic infrastructure needs across the system. The 2017 CIP also provides REET for capital maintenance at Lake Union Park (\$3.6 million), Parks Central Waterfront Piers Rehabilitation (\$0.5 million), Victor Steinbrueck Park (\$0.5 million), and expansion at the Aquarium (\$2.5 million).

The Park District capital funding levels for 2017 totals \$36 million. Significant Park District investments for 2017 include:

- working to address the major maintenance backlog (\$18.4 million);
- community center rehabilitation projects (\$3.1 million);
- making progress on the Green Seattle Partnership goal of restoring 2,500 acres of urban forestland by 2025 (\$2.3 million); and
- development of new parks at land-banked sites (\$5.3 million).

The 2017-2018 Proposed Budget shifts \$1.3 million of Park District capital funds into community center operations in order to implement recommendations outlined in the Community Center Strategic Plan. The plan seeks to institute immediate changes to better meet residents' needs and promote social equity, test new ideas through innovations and pilots, address the City Council's statements of legislative intent regarding Lake City and Capitol Hill community centers, and provide a bridge to DPR's long-term capital planning.

DPR will continue to use CDBG funds for the Seattle Conservation Corps in 2017. The Seattle Conservation Corps (SCC) executes park improvement projects in low- to moderate-income neighborhoods while at the same time providing training and employment for formerly homeless adults. In 2017, \$808,000 will be used to fund the SCC to improve approximately 20 parks through the Parks Upgrade Program.

### Integration with Citywide Planning

## 2017-2022 Proposed Capital Improvement Program

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Seattle's Comprehensive Plan is a 20-year vision and roadmap for Seattle's future that guides City decisions on where to build new jobs and housing, how to improve the transportation system and where to make capital investments such as utilities, sidewalks, parks and open space and libraries. The Comprehensive Plan is the framework for most of Seattle's big-picture decisions on how to grow while preserving and improving our neighborhoods.

While Parks and Open Space are not currently a separate element in the Seattle's Comprehensive plan, parks-related policies are included in multiple areas within the plan.

Seattle's Climate Action Plan provides a framework for meeting Seattle's climate protection goals, including the overarching goal of becoming carbon neutral by 2050. DPR's role involves maximizing the benefits of the bicycle and pedestrian master plans, meeting building energy plan goals, such as LEED compliance, and fulfilling urban forest restoration goals, such as those outlined in the Green Seattle Partnership.

In addition to the City-wide Comprehensive Plan, there are myriad other plans for specific programs and amenities in the City that affect parks. DPR participates in shaping those plans to help continue developing an integrated open space and recreation system in Seattle.

DPR is also committed to developing and managing an environmentally-sustainable park system. This means using energy and utilities with conservation in mind in all facilities, effectively managing the use of water for irrigation and other purposes, creating efficiently-maintained landscapes, and operating clean and safe park facilities.

These principles have led DPR to use available resources to undertake energy conservation improvements to various facilities, to continue to make investments that preserve the integrity of facilities, to make improvements that ensure public safety in the parks, and to address various code deficiencies.

### Project Selection Criteria

DPR's capital priorities are informed by two processes. First, in the planning and development of the Seattle Parks District, staff created a six-year spending plan that identifies specific projects and maintenance priorities. This plan was developed with input from the Parks Legacy Committee, the Mayor's Office, the City Budget Office, and City Council. These priorities will be implemented as generally described in the spending plan and in accordance with the Park District's agreement with the City. Second, DPR uses an Asset Management Plan (AMP) to identify and rank necessary major maintenance projects.

The AMP is a set of projects to address facility needs. DPR identifies projects through ongoing condition assessments, consultant studies, work order analyses (to identify key problem areas), and intradepartmental information sharing of facility maintenance issues and needs. Every two years, Parks reviews and updates the AMP. While DPR's planning staff prepares and coordinates the AMP planning process and document development, the process involves a collaborative approach throughout the department to develop project scopes and budget estimates.

Typically, department staff score and rank all of the projects included in the asset management plan using the following six criteria:

**Priority 1 – Code Requirements:** The project brings a facility or element up to federal, state, and Seattle code requirements (such as ADA, water quality, fire suppression, and seismic) or meets other

## Department of Parks and Recreation

legal requirements. Projects primarily ADA-focused fall under this priority. ADA elements will also be completed as part of projects that fall under other priorities.

**Priority 2 – Life Safety:** The project will eliminate a condition that poses an imminent threat of injury. Examples of safety hazards are lack of seismic elements, failing piling, outdated play equipment, emergency management, or a documented environmental health hazard.

**Priority 3 – Facility Integrity:** The project will keep the facility operational and extend its life cycle by repairing, replacing, and renovating systems and elements of the facility, including building envelope (roof, walls, windows), electrical, plumbing, storm and sewer line replacement, and synthetic turf replacement.

**Priority 4 – Improve Operating Efficiency:** The project will result in the reduction of operating and maintenance costs, including energy and water savings.

**Priority 5 – Other:** Projects that have a unique element (e.g. leverage other funds) and/or are known needs that do not fit the other priorities.

**Priority 6 – Project Necessary in Next Biennium:** Projects identified in plans and other documents that need to be done in the upcoming biennium (e.g. scheduled synthetic turf replacement or regulatory deadlines).

### Summary of Upcoming Budget Issues and Challenges

DPR has several large assets in need of attention beyond the capacity of the typical annual outlay of CRS funding. Waterfront Park (Pier 58) is deteriorated and load limits have been placed on its use. The metal reinforcement of the concrete promenade and gallery structures are deteriorated and seismically unsound. Piers 62 and 63 deteriorated to the point that the popular Summer Nights on the Pier concert series was cancelled after the 2004 season due to load limits and the need for major repairs.

The Office of the Waterfront is the City's lead agency responsible for waterfront-related project design and construction, including pier reconstruction as part of the redevelopment of the entire waterfront and the reconstruction of the seawall (as set forth in the 2012 Central Seawall Excess Levy). The total project cost is estimated at \$29 million, and DPR will contribute a combined \$4.4 million from the Park District in 2019 and 2020. The Park District financial plan included funding for the operations and maintenance of waterfront parks starting in 2019, when these facilities were originally expected to open. With the tunneling delays, those facilities will not be open until 2021, allowing funds to be reallocated. The Park District Board approved this change in mid-2016.

Magnuson Park is the 309-acre former Sand Point Naval Air Station property. The park's setting on Lake Washington is idyllic and many of the 55 buildings and other remnants of the Navy operations have retained their unique historic character. However, there are numerous identified needs to address building code deficiencies and major maintenance needs in Building 2 (two large hangars), Building 18 (tenant improvements), and Building 47 (completing the community center renovation), among others. Additional funding is needed for infrastructure improvements such as road and parking improvements, sanitary and storm sewer renovation, and site lighting. DPR continues to explore opportunities to develop partnerships to share the renovation costs which will both preserve the buildings and ensure they are occupied in the long term.

### Future Projects/What is on the Horizon

## **Department of Parks and Recreation**

Traditionally, DPR has not had sufficient resources to support ongoing asset management of the parks and recreation system, and over the years has accumulated a large major maintenance project backlog. A major maintenance project is a capital investment intended to preserve a facility. Typically, these projects are expensive and long lasting, cost at least \$20,000, and are designed to function for at least 15 years. Projects can take between 1-3 years to complete. A backlog exists because the number of projects has historically outpaced funding.

Fortunately, in August 2014, Seattle voters passed the Seattle Parks District and nearly three quarters of the Park District funding will be used to support capital projects – of that, nearly half will address major maintenance. This is a substantial investment allowing DPR to systematically address the major maintenance needs of the system. The backlog is not a finite list of projects, and the department will continue to update it as more facility assessments are completed and projects come to the end of their useful life. Because there is not a beginning and end to major maintenance and preserving the system's assets, DPR will establish six-year goals to show progress over the long term. By 2021, DPR plans to complete 126 major maintenance projects. Over time, this funding should allow the department to reduce, and perhaps eventually eliminate, the backlog.

In conjunction with the above, DPR is prioritizing resources to build capacity for asset management planning and tracking and to centralize capital planning efforts for consistency and better implementation of public involvement and project-delivery efforts. DPR is also currently working with a vendor to launch a new Asset Management and Work Order System to further improve the tracking of capital assets. This system will allow DPR to integrate separate data systems and give the department the tools for better data collection, analysis, and decision making and better integration with the citywide accounting system upgrade. DPR will begin to roll out this new system in late 2016.

### **City Council Changes to Proposed CIP**

### **City Council Provisos to the CIP**

# Department of Parks and Recreation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>2008 Parks Levy- Cultural Facilities</b>					<b>BCL/Program Code:</b>				<b>K720021</b>
Seattle Asian Art Museum Renovation (K730122)	0	0	14,000	5,000	0	0	0	0	19,000
<b>2008 Parks Levy- Cultural Facilities</b>									19,000
<b>2008 Parks Levy- Green Space Acquisition</b>					<b>BCL/Program Code:</b>				<b>K720011</b>
Donations- Green Space (K730139)	59	16	0	0	0	0	0	0	75
Green Space Acquisitions- 2008 Parks Levy (K730011)	8,532	948	0	0	0	0	0	0	9,480
<b>2008 Parks Levy- Green Space Acquisition</b>									9,555
<b>2008 Parks Levy- Major Parks</b>					<b>BCL/Program Code:</b>				<b>K720023</b>
Major Parks- 2008 Parks Levy (K730023)	14	22	0	0	0	0	0	0	36
<b>2008 Parks Levy- Major Parks</b>									36
<b>2008 Parks Levy- Neighborhood Park Acquisition</b>					<b>BCL/Program Code:</b>				<b>K720010</b>
Neighborhood Park Acquisitions- 2008 Parks Levy (K730010)	18,881	5,998	0	0	0	0	0	0	24,879
<b>2008 Parks Levy- Neighborhood Park Acquisition</b>									24,879
<b>2008 Parks Levy- Neighborhood Parks and Playgrounds</b>					<b>BCL/Program Code:</b>				<b>K720020</b>
14th Avenue NW Park Boulevard Development (NW 58th to NW 62nd) (K730176)	375	2,250	0	0	0	0	0	0	2,625
Emma Schmitz Sea Wall Replacement-2008 Levy (K730194)	2	648	0	0	0	0	0	0	650
Gas Works Park Play Area Renovation (K730089)	231	1,169	0	0	0	0	0	0	1,400
Green Lake Community Center Electrical and Mechanical Renovation-2008 Levy (K730195)	25	1,191	0	0	0	0	0	0	1,216
Hiawatha Community Center Renovation-2008 Levy (K730196)	24	1,169	0	0	0	0	0	0	1,193
Lake Union Park Walkway Renovations-2008 Levy (K730197)	157	193	0	0	0	0	0	0	350
Magnuson Park Building #406 Roof Replacement-2008 Levy (K730198)	15	1,337	0	0	0	0	0	0	1,352

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Department of Parks and Recreation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Marra-Desimone Park Development (K730100)	181	919	0	0	0	0	0	0	1,100
Neighborhood Parks & Playgrounds- 2008 Parks Levy (K730020)	128	572	0	0	0	0	0	0	700
Victor Steinbrueck Park Renovation (K730115)	26	1,574	0	0	0	0	0	0	1,600
<b>2008 Parks Levy- Neighborhood Parks and Playgrounds</b>	<b>1,164</b>	<b>11,022</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,186</b>
<b>Ballfields/Athletic Courts/Play Areas</b>							<b>BCL/Program Code:</b>		<b>K72445</b>
Athletic Field Improvements (K732504)	0	0	1,047	1,866	600	600	600	600	5,313
Ballfield Lighting Replacement Program (K732310)	2,995	3	100	500	500	500	500	500	5,598
Ballfields - Minor Capital Improvements (K732415)	363	2	50	50	50	50	50	50	665
Delridge Playfield Synthetic Turf Resurfacing (K732487)	0	0	0	0	0	4,321	0	0	4,321
Garfield Playfield Infield Synthetic Turf Resurfacing (K732489)	0	0	0	0	0	618	0	0	618
Genesee Playfield #1 Synthetic Turf Resurfacing (K732488)	0	0	0	0	0	1,521	0	0	1,521
Genesee Playfield #2 Synthetic Turf Resurfacing ( K732485 )	0	0	0	0	0	1,613	0	0	1,613
Georgetown Playfield Turf Replacement (K732456)	0	0	0	0	2,035	0	0	0	2,035
Hiawatha Playfield Synthetic Turf Resurfacing (K732486)	0	0	0	0	0	2,703	0	0	2,703
Jefferson Park PF Synthetic Turf Resurfacing (K732501)	0	0	0	0	0	0	0	3,407	3,407
Lower Woodland Park Playfield #2 Synthetic Turf Replacement (K732477)	0	0	0	0	1,977	0	0	0	1,977
Lower Woodland Park Playfield #7 Synthetic Turf Replacement (K732478)	0	0	0	0	1,483	0	0	0	1,483
Loyal Heights Playfield Turf Replacement (K732465)	0	0	0	2,385	0	0	0	0	2,385
Magnuson Park (5 Fields) Synthetic Turf Replacement ( K732479 )	0	0	0	0	4,628	4,628	0	0	9,256
Miller Playfield Synthetic Turf Replacement (K732475)	0	0	0	0	1,966	0	0	0	1,966

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Department of Parks and Recreation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Montlake PF Synthetic Turf Replacement (K732502)	0	0	0	0	0	0	0	1,431	1,431
Play Area Renovations (K732468)	2	1,498	1,000	1,000	1,000	1,000	1,000	1,000	7,500
Play Area Safety Program (K732403)	673	175	150	150	150	150	150	150	1,748
Queen Anne Bowl Playfield Turf Replacement (K732470)	0	0	0	0	1,120	0	0	0	1,120
Tennis & Basketball Court Renovation Program (K732404)	301	0	100	100	100	100	100	100	901
Walt Hundley PF Synthetic Turf Replacement (k732496)	0	0	0	0	0	0	1,713	0	1,713
Washington Park PF Synthetic Turf Replacement (K732503)	0	0	0	0	0	0	0	2,498	2,498
<b>Ballfields/Athletic Courts/Play Areas</b>	<b>4,334</b>	<b>1,678</b>	<b>2,447</b>	<b>6,051</b>	<b>15,609</b>	<b>17,804</b>	<b>4,113</b>	<b>9,736</b>	<b>61,772</b>
<b>Building Component Renovations</b>							<b>BCL/Program Code:</b>		<b>K72444</b>
ADA Compliance - Parks (K732434)	1,831	1,988	2,141	0	0	0	0	0	5,960
Boiler and Mechanical System Replacement Program (K732306)	1,329	0	75	175	175	175	175	175	2,279
Comfort Station Renovations (K732453)	10	1,495	660	660	660	660	660	660	5,465
Electrical System Replacement Program (K732307)	921	536	150	150	150	150	150	150	2,357
Green Lake CC - Evans Pool Roof Replacement & Solar Hot Water (K732448)	208	1,464	0	0	0	0	0	0	1,672
HVAC System Duct Cleaning Program - Large Buildings (K732421)	206	39	35	35	35	35	35	35	455
Lake City Community Center Improvements (K732472)	46	454	0	0	0	0	0	0	500
Loyal Heights Community Center Renovation (K732464)	0	0	197	1,671	0	0	0	0	1,868
Municipal Energy Efficiency Program - Parks (K732433)	455	408	0	0	0	0	0	0	863
Roof & Building Envelope Program (K732420)	1,402	554	350	350	350	350	350	350	4,056
Seattle Asian Art Museum Restoration (K732369)	1,113	988	0	0	0	0	0	0	2,101
Utility Conservation Program (K732336)	4,038	650	355	355	355	355	355	355	6,818
<b>Building Component Renovations</b>	<b>11,559</b>	<b>8,576</b>	<b>3,963</b>	<b>3,396</b>	<b>1,725</b>	<b>1,725</b>	<b>1,725</b>	<b>1,725</b>	<b>34,394</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Department of Parks and Recreation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Building For The Future - CIP</b>		<b>BCL/Program Code:</b>						<b>K720302</b>	
Activating and Connecting to Greenways (K730309)	0	200	205	210	215	221	226	231	1,508
Develop 14 New Parks at Land-Banked Sites (K730308)	0	4,998	5,299	4,805	2,892	407	0	0	18,401
Major Projects Challenge Fund (K730307)	0	1,600	1,640	1,681	1,723	1,766	1,810	1,855	12,075
Park Land Acquisition and Leverage Fund (K730306)	0	2,000	3,550	3,601	3,654	2,208	2,263	2,320	19,596
Smith Cove Park Development (K730311)	13	567	697	2,803	1,950	0	0	0	6,030
<b>Building For The Future - CIP</b>	13	9,365	11,391	13,100	10,434	4,602	4,299	4,406	57,610
<b>Citywide and Neighborhood Projects</b>		<b>BCL/Program Code:</b>						<b>K72449</b>	
Landscape Restoration Program (K732402)	2,374	673	430	430	430	430	430	430	5,627
Neighborhood Capital Program (K732376)	958	436	59	0	0	0	0	0	1,453
Neighborhood Response Program (K732416)	1,153	415	250	250	250	250	250	250	3,068
Park Acquisition and Development (K732497)	2	3,304	0	0	0	0	0	0	3,306
Trails Renovation Program (K732419)	1,932	361	350	350	350	350	350	350	4,393
<b>Citywide and Neighborhood Projects</b>	6,419	5,189	1,089	1,030	1,030	1,030	1,030	1,030	17,847
<b>Debt and Special Funding</b>		<b>BCL/Program Code:</b>						<b>K72440</b>	
Aquarium - Pier 59 Piling Replacement and Aquarium Redevelopment Debt Service (K732283)	19,992	1,730	1,714	1,718	1,714	1,708	1,714	1,712	32,002
Gas Works Park - Remediation (K73582)	1,098	2,021	210	790	800	420	200	200	5,739
Golf - Capital Improvements (K732407)	1,259	535	0	100	100	100	100	100	2,294
Golf Master Plan Implementation (K732391)	15,257	1,328	0	0	0	0	0	0	16,585
Hubbard Homestead Park (Northgate) Acquisition- Debt Service (K732321)	1,744	236	234	234	221	224	221	218	3,332
Parks Maintenance Facility Acquisition - Debt Service (K73502)	5,857	565	562	561	559	555	555	556	9,770
Puget Park - Environmental Remediation (K73127)	225	305	0	0	0	0	0	0	530
<b>Debt and Special Funding</b>	45,432	6,720	2,720	3,403	3,394	3,007	2,790	2,786	70,252

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### 2017 - 2022 Proposed Capital Improvement Program

# Department of Parks and Recreation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Docks/Piers/Floats/Seawalls/Shorelines</b>									
<b>BCL/Program Code:</b>								<b>K72447</b>	
Aquarium Expansion (K732492)	109	1,231	2,480	2,370	4,260	7,500	9,000	6,620	33,570
Beach Restoration Program (K732303)	778	34	25	25	25	25	25	25	962
Boat Moorage Restoration (K732408)	286	4,064	0	0	0	0	0	0	4,350
Emma Schmitz Sea Wall Replacement (K732454)	21	29	0	0	0	0	0	0	50
Parks Central Waterfront Piers Rehabilitation (K732493)	0	5,047	2,723	15,150	18,616	30,302	18,420	5,750	96,008
<b>Docks/Piers/Floats/Seawalls/Shorelines</b>	<b>1,194</b>	<b>10,405</b>	<b>5,228</b>	<b>17,545</b>	<b>22,901</b>	<b>37,827</b>	<b>27,445</b>	<b>12,395</b>	<b>134,940</b>
<b>Fix It First - CIP</b>									
<b>BCL/Program Code:</b>								<b>K720300</b>	
Aquarium Major Maintenance (K730303)	0	0	1,107	1,135	1,163	1,192	1,222	1,252	7,071
Community Center Rehabilitation & Development (K730301)	325	4,362	3,072	3,149	3,228	3,308	3,390	3,476	24,310
Major Maintenance Backlog and Asset Management (K730300)	531	17,175	18,360	18,819	19,289	19,771	20,265	20,772	134,982
Saving our City Forests (K730302)	353	2,198	2,251	2,308	2,365	2,425	2,486	2,548	16,934
Zoo Major Maintenance (K730304)	476	1,824	1,845	1,891	1,938	1,987	2,037	2,088	14,086
<b>Fix It First - CIP</b>	<b>1,685</b>	<b>25,559</b>	<b>26,635</b>	<b>27,302</b>	<b>27,983</b>	<b>28,683</b>	<b>29,400</b>	<b>30,136</b>	<b>197,383</b>
<b>Forest Restoration</b>									
<b>BCL/Program Code:</b>								<b>K72442</b>	
Seward Park Forest Restoration (K732367)	847	119	88	90	0	0	0	0	1,144
Urban Forestry - Forest Restoration Program (K732410)	943	347	200	200	200	200	200	200	2,490
Urban Forestry - Green Seattle Partnership (K732340)	8,183	2,403	1,700	1,700	1,700	1,700	1,700	1,700	20,786
Urban Forestry - Tree Replacement (K732339)	1,242	129	95	95	95	95	95	95	1,941
<b>Forest Restoration</b>	<b>11,215</b>	<b>2,998</b>	<b>2,083</b>	<b>2,085</b>	<b>1,995</b>	<b>1,995</b>	<b>1,995</b>	<b>1,995</b>	<b>26,361</b>
<b>Maintaining Parks and Facilities - CIP</b>									
<b>BCL/Program Code:</b>								<b>K720301</b>	
Improve Dog Off-Leash Areas (K730312)	0	0	109	112	115	117	120	123	696
Rejuvenate Our P-Patches (K730305)	24	276	205	210	215	231	237	243	1,641
<b>Maintaining Parks and Facilities - CIP</b>	<b>24</b>	<b>276</b>	<b>314</b>	<b>322</b>	<b>330</b>	<b>348</b>	<b>357</b>	<b>366</b>	<b>2,337</b>

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### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Opportunity Fund</b>						<b>BCL/Program Code:</b>		<b>K720041</b>	
East John Street Open Space Development (K730148)	89	171	0	0	0	0	0	0	260
Highland Park Playground Renovation (K730181)	95	280	0	0	0	0	0	0	375
Northwest Native Canoe Center Development (K730185)	16	734	0	0	0	0	0	0	750
Opportunity Fund Acquisitions- 2008 Parks Levy (K730040)	7,851	628	0	0	0	0	0	0	8,479
Opportunity Fund Development- 2008 Parks Levy (K730041)	1	18	0	0	0	0	0	0	19
Yesler Terrace Neighborhood Park Development (K730203)	0	4,230	0	0	0	0	0	0	4,230
<b>Opportunity Fund</b>	<b>8,052</b>	<b>6,061</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,113</b>
<b>Parks Infrastructure</b>						<b>BCL/Program Code:</b>		<b>K72441</b>	
Environmental Remediation Program (K732401)	557	142	100	100	100	100	100	100	1,299
Irrigation Replacement and Outdoor Infrastructure Program (K732406)	1,105	568	300	300	300	550	550	550	4,223
Lake Union Park Remediation (K732499)	0	0	3,600	0	0	0	0	0	3,600
Parks Upgrade Program (K732422)	3,596	860	808	808	808	808	808	808	9,304
Pavement Restoration Program (K732418)	1,661	819	400	400	400	400	400	400	4,880
Victor Steinbrueck Parking Envelope (K732500)	0	0	500	3,000	1,500	0	0	0	5,000
<b>Parks Infrastructure</b>	<b>6,919</b>	<b>2,389</b>	<b>5,708</b>	<b>4,608</b>	<b>3,108</b>	<b>1,858</b>	<b>1,858</b>	<b>1,858</b>	<b>28,306</b>
<b>SR520 Mitigation</b>						<b>BCL/Program Code:</b>		<b>K72451</b>	
Arboretum Waterfront Trail Renovation (K732484)	19	456	0	0	0	0	0	0	475
Bryant Site Development (K732480)	779	10,610	0	0	0	0	0	0	11,389
Washington Park Arboretum Trail Development (K732473)	1,139	6,671	0	0	0	0	0	0	7,810
<b>SR520 Mitigation</b>	<b>1,937</b>	<b>17,737</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19,674</b>
<b>Department Total*:</b>	<b>127,433</b>	<b>114,959</b>	<b>75,578</b>	<b>83,842</b>	<b>88,509</b>	<b>98,879</b>	<b>75,012</b>	<b>66,433</b>	<b>730,645</b>

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### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
2000 Parks Levy Fund (33850)	1,975	0	0	0	0	0	0	0	1,975
2008 Parks Levy Fund (33860)	34,454	24,035	0	0	0	0	0	0	58,489
2010 Multipurpose LTGO Bond Fund (35400)	859	4	0	0	0	0	0	0	863
2011 Multipurpose LTGO Bond Fund (35500)	2,325	202	0	0	0	0	0	0	2,527
2012 Multipurpose LTGO Bond Fund (35600)	3,987	315	0	0	0	0	0	0	4,302
2013 King County Parks Levy (36000)	12	2,145	1,660	1,660	1,660	0	0	0	7,137
2013 Multipurpose LTGO Bond Fund (35700)	1,810	0	0	0	0	0	0	0	1,810
2014 Multipurpose LTGO Bond Fund (36100)	5,393	168	0	0	0	0	0	0	5,561
2015 Multipurpose LTGO Bond Fund (36200)	1,164	836	0	0	0	0	0	0	2,000
Alaskan Way Seawall Construction Fund (35800)	0	400	1,053	1,850	0	0	0	0	3,303
Beach Maintenance Trust Fund (61500)	225	25	25	25	25	25	25	25	400
Central Waterfront Improvement Fund (35900)	109	2,288	1,050	2,700	16,314	27,050	18,400	5,750	73,661
Community Development Block Grant Fund (17810)	2,072	1,639	808	808	808	808	808	808	8,559
Community Improvement Contribution Fund (33120)	21	29	0	0	0	0	0	0	50
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount (00163)	21,897	19,309	13,137	4,045	780	779	776	774	61,497
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount (00161)	33,766	4,654	18,956	30,775	10,595	9,420	9,227	9,202	126,595
Cumulative Reserve Subfund - Unrestricted Subaccount (00164)	12,261	5,898	2,049	2,755	2,509	1,008	1,007	1,010	28,497
Emergency Subfund (00185)	21	0	0	0	0	0	0	0	21
Gasworks Park Contamination Remediation Fund (10220)	402	0	0	0	0	0	0	0	402
General Subfund (00100)	111	60	0	0	0	0	0	0	171
Open Spaces & Trails Bond Fund (33620)	273	32	0	0	0	0	0	0	305
Park Mitigation and Remediation Fund (33130)	1,937	17,737	0	0	0	0	0	0	19,674
Parks 2002 Capital Facilities Bond Fund (34610)	39	0	0	0	0	0	0	0	39
Parks and Recreation Fund (10200)	611	0	0	0	0	0	0	0	611

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Fund Summary

<b>Fund Name &amp; Code</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Parks Capital Fund (33140)	1,709	35,183	36,840	39,224	38,349	36,885	34,056	34,908	257,154
To Be Determined (TBD)	0	0	0	0	17,469	22,904	10,713	13,956	65,042
<b>Department Total*:</b>	127,433	114,959	75,578	83,842	88,509	98,879	75,012	66,433	730,645

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

**Department of Parks and Recreation**

**14th Avenue NW Park Boulevard Development (NW 58th to NW 62nd)**

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q3/2012
<b>Project ID:</b>	K730176	<b>End Date:</b>	Q2/2018
<b>Location:</b>	E 14th AVE NW/NW 58th ST/NW 62nd ST		
<b>Neighborhood Plan:</b>	Crown Hill/Ballard	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Ballard	<b>Urban Village:</b>	Ballard

This project develops 14th Avenue NW between NW 58th and NW 62nd as a Park Boulevard. After transfer of jurisdiction for this portion of 14th Avenue NW from the Seattle Department of Transportation to the Seattle Department of Parks and Recreation, a new park space will be created for the Ballard neighborhood. The Park Boulevard will provide usable park space while continuing to provide two traffic lanes and reduced parking. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	375	2,250	0	0	0	0	0	0	2,625
<b>Total:</b>	375	2,250	0	0	0	0	0	0	2,625
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	375	2,250	0	0	0	0	0	0	2,625
<b>Total*:</b>	375	2,250	0	0	0	0	0	0	2,625
<b>O &amp; M Costs (Savings)</b>			28	29	29	30	30	31	177
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		85	1,175	990	0	0	0	0	2,250
<b>Total:</b>		85	1,175	990	0	0	0	0	2,250

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**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Activating and Connecting to Greenways

<b>BCL/Program Name:</b>	Building For The Future - CIP	<b>BCL/Program Code:</b>	K720302
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	K730309	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project develops safe, inviting connections between parks and greenways which are residential streets that are dedicated connectors for pedestrians, cyclists, and other non-motorized travel, as identified in the Bicycle and Pedestrian Master Plan documents. Typical improvements include crosswalks, benches, greenway park entrance improvements, non-motorized paths and loops within parks, and related work. Parks will work with the Seattle Department of Transportation (SDOT) to activate and enhance connection points between parks. This project improves safety and access to and from the parks, encourages partnerships with neighborhood and community groups, business, and other stakeholders. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	0	200	205	210	215	221	226	231	1,508
<b>Total:</b>	0	200	205	210	215	221	226	231	1,508
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	0	200	205	210	215	221	226	231	1,508
<b>Total*:</b>	0	200	205	210	215	221	226	231	1,508
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**ADA Compliance - Parks**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q2/2011
<b>Project ID:</b>	K732434	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides for ADA improvements at a number of parks facilities. Work will be focused on selected community centers (e.g., Bitter Lake, Delridge, Garfield, Jefferson, Meadowbrook, Miller and others) and will consist of adjustments to signage, door closures, restroom fixtures, and other features. Signage will be added where needed as well. Similar work will be undertaken at Discovery Park Environmental Learning Center and other facilities to the degree that funding allows.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,033	0	0	0	0	0	0	0	1,033
Real Estate Excise Tax I	798	1,209	2,141	0	0	0	0	0	4,148
Federal Community Development Block Grant	0	779	0	0	0	0	0	0	779
<b>Total:</b>	1,831	1,988	2,141	0	0	0	0	0	5,960
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,033	0	0	0	0	0	0	0	1,033
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	798	1,209	2,141	0	0	0	0	0	4,148
Community Development Block Grant Fund	0	779	0	0	0	0	0	0	779
<b>Total*:</b>	1,831	1,988	2,141	0	0	0	0	0	5,960
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Aquarium - Pier 59 Piling Replacement and Aquarium Redevelopment Debt Service**

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	K732283	<b>End Date:</b>	Q4/2025
<b>Location:</b>	1483 Alaskan Wy		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project supports debt service payments on 20-year Limited Tax General Obligation (LTGO) bonds that were issued in 2005 to pay for the replacement of the entire pier piling system of Pier 59, interior infrastructure improvements, and development of portions of the Aquarium by the Seattle Aquarium Society. The pier and Aquarium work was part of an overall plan to repair and redevelop the Aquarium and the Central Waterfront area, and to construct a new Aquarium entrance, exhibits, and visitor services on a portion of the pier. This work enhanced and extended the useful life of Pier 59 and the Aquarium.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	11,528	1,558	1,543	1,543	1,545	1,540	1,547	1,542	22,346
Real Estate Excise Tax I	1,747	0	0	0	0	0	0	0	1,747
Private Funding/Donations	6,350	172	171	175	169	168	167	170	7,542
Private Funding/Donations	367	0	0	0	0	0	0	0	367
<b>Total:</b>	19,992	1,730	1,714	1,718	1,714	1,708	1,714	1,712	32,002

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	11,528	1,558	1,543	1,543	1,545	1,540	1,547	1,542	22,346
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,747	0	0	0	0	0	0	0	1,747
Cumulative Reserve Subfund - Unrestricted Subaccount	6,350	172	171	175	169	168	167	170	7,542
Parks and Recreation Fund	367	0	0	0	0	0	0	0	367
<b>Total*:</b>	19,992	1,730	1,714	1,718	1,714	1,708	1,714	1,712	32,002

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0 0

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,560	1,543	1,543	1,545	1,540	1,547	1,540	10,818
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Unrestricted Subaccount	172	171	175	169	168	167	170	1,192
Parks and Recreation Fund	0	0	0	0	0	0	0	0
<b>Total:</b>	1,732	1,714	1,718	1,714	1,708	1,714	1,710	12,010

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Aquarium Expansion

<b>BCL/Program Name:</b>	Docks/Piers/Floats/Seawalls/Shorelines	<b>BCL/Program Code:</b>	K72447
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K732492	<b>End Date:</b>	TBD
<b>Location:</b>	1483 Alaskan WAY		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

The Seattle Aquarium is planning a major expansion to its existing footprint to add new programming and visitor capacity. It will become a major destination for the newly redeveloped waterfront. The project intends to make improvements to piers 59 and 60 with additional overwater coverage to allow for more exhibits. The aquarium is owned by Seattle Parks and Recreation but operated by the non-profit Seattle Aquarium Society. This project is part of the overall waterfront improvement program.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	490	2,480	2,370	0	0	0	0	5,340
Real Estate Excise Tax I	0	600	0	0	0	0	0	0	600
To be determined	0	0	0	0	4,260	7,500	9,000	6,620	27,380
Interfund Loan	109	141	0	0	0	0	0	0	250
<b>Total:</b>	109	1,231	2,480	2,370	4,260	7,500	9,000	6,620	33,570
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	490	2,480	2,370	0	0	0	0	5,340
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	600	0	0	0	0	0	0	600
Central Waterfront Improvement Fund	109	141	0	0	0	0	0	0	250
<b>Total*:</b>	109	1,231	2,480	2,370	0	0	0	0	6,190
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Aquarium Major Maintenance

<b>BCL/Program Name:</b>	Fix It First - CIP	<b>BCL/Program Code:</b>	K720300
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	K730303	<b>End Date:</b>	ONGOING
<b>Location:</b>	1483 Alaskan WAY		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides funds for major maintenance at the Aquarium and other related items. Typical projects include seawater pump replacement, tank repairs, energy efficient systems upgrades, exterior decking repairs, Americans with Disabilities (ADA) access improvements, roofing and seismic upgrades, and related work. The facility was constructed in 1980, and a partial addition was installed on Pier 59 portion of the building in 2006. Due to the harsh saltwater environment, Aquarium facilities have a shorter lifespan than similar facilities not located over saltwater. The individual projects will address health and safety codes, extend the life of the asset, improve access for all, reduce energy costs, and improve the overall Aquarium experience for the public. This project is part of the Seattle Park District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	0	0	1,107	1,135	1,163	1,192	1,222	1,252	7,071
<b>Total:</b>	0	0	1,107	1,135	1,163	1,192	1,222	1,252	7,071
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	0	0	1,107	1,135	1,163	1,192	1,222	1,252	7,071
<b>Total*:</b>	0	0	1,107	1,135	1,163	1,192	1,222	1,252	7,071
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Arboretum Waterfront Trail Renovation**

<b>BCL/Program Name:</b>	SR520 Mitigation	<b>BCL/Program Code:</b>	K72451
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2014
<b>Project ID:</b>	K732484	<b>End Date:</b>	Q4/2016
<b>Location:</b>	2300 Arboretum DR E		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Not in an Urban Village

This project renovates the portion of the trail from the existing MOHAI parking lot to the western edge of Foster Island. Project elements include upland and wetland restoration, invasive species removal, native plant re-vegetation, and related repairs. This restoration will improve the health of the ecosystem and provide a more enjoyable pedestrian and bicycling experience.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
State Interlocal Revenues	19	456	0	0	0	0	0	0	475
<b>Total:</b>	19	456	0	0	0	0	0	0	475
<b>Fund Appropriations/Allocations</b>									
Park Mitigation and Remediation Fund	19	456	0	0	0	0	0	0	475
<b>Total*:</b>	19	456	0	0	0	0	0	0	475
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Park Mitigation and Remediation Fund		6	450	0	0	0	0	0	456
<b>Total:</b>		6	450	0	0	0	0	0	456

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Athletic Field Improvements

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	K732504	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project is an ongoing program designed to improve Seattle Athletic Fields. Funding for these improvements is provided by various sources including Athletic Field revenues.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	1,047	1,566	0	0	0	0	2,613
CRS Misc Revenues	0	0	0	0	0	0	0	0	0
Athletic Field Revenues	0	0	0	300	600	600	600	600	2,700
<b>Total:</b>	0	0	1,047	1,866	600	600	600	600	5,313
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	1,047	1,566	0	0	0	0	2,613
Cumulative Reserve Subfund - Unrestricted Subaccount	0	0	0	300	600	600	600	600	2,700
<b>Total*:</b>	0	0	1,047	1,866	600	600	600	600	5,313
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Ballfield Lighting Replacement Program**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732310	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This project provides funding to conduct core testing of wood light poles at various ballfields, replace deteriorated wooden poles with metal poles, install new electrical systems, and perform other related work. The new lighting systems will reduce light spillover and energy efficient. This is a long-term program to replace all deteriorated wood light poles over the next several years at a total estimated cost of \$6 million. Future funding for this program depends on available resources.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	2,770	0	100	500	500	500	500	500	5,370
Real Estate Excise Tax I	225	3	0	0	0	0	0	0	228
<b>Total:</b>	2,995	3	100	500	500	500	500	500	5,598
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	2,770	0	100	500	500	500	500	500	5,370
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	225	3	0	0	0	0	0	0	228
<b>Total*:</b>	2,995	3	100	500	500	500	500	500	5,598
<b>O &amp; M Costs (Savings)</b>			12	12	12	13	13	14	76

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Ballfields - Minor Capital Improvements

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732415	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides small-scale renovations and minor improvements to athletic fields throughout the City. Typical improvements include, but are not limited to, repairs to fencing and backstops, renovations to dugouts and playing surfaces, modifications and improvements to irrigation systems and replacement of goal posts and nets. Future funding for this project depends on specific projects and available resources, including grants. This project extends the useful life of the various elements of athletic fields. This project was formerly project number K73507. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	200	0	50	50	50	50	50	50	500
Real Estate Excise Tax I	43	2	0	0	0	0	0	0	45
King County Funds	120	0	0	0	0	0	0	0	120
Private Funding/Donations	0	0	0	0	0	0	0	0	0
<b>Total:</b>	363	2	50	50	50	50	50	50	665
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	200	0	50	50	50	50	50	50	500
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	43	2	0	0	0	0	0	0	45
Cumulative Reserve Subfund - Unrestricted Subaccount	120	0	0	0	0	0	0	0	120
<b>Total*:</b>	363	2	50	50	50	50	50	50	665
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Beach Restoration Program**

<b>BCL/Program Name:</b>	Docks/Piers/Floats/Seawalls/Shorelines	<b>BCL/Program Code:</b>	K72447
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732303	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides for periodic beach renourishment and related work at selected sites throughout the City. Work includes, but is not limited to, laying sand and gravel to replenish beaches that have eroded in recent years and to improve substrate for juvenile salmon habitat. This project supports the Restore Our Waters Strategy to improve Seattle's aquatic environments.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
King County Funds	553	9	0	0	0	0	0	0	562
King County Funds	225	25	25	25	25	25	25	25	400
<b>Total:</b>	778	34	25	25	25	25	25	25	962
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	553	9	0	0	0	0	0	0	562
Beach Maintenance Trust Fund	225	25	25	25	25	25	25	25	400
<b>Total*:</b>	778	34	25	25	25	25	25	25	962
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Boat Moorage Restoration

<b>BCL/Program Name:</b>	Docks/Piers/Floats/Seawalls/Shorelines	<b>BCL/Program Code:</b>	K72447
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732408	<b>End Date:</b>	ONGOING
<b>Location:</b>	201 Lakeside AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Central	<b>Urban Village:</b>	Not in an Urban Village

This project renovates City-owned boat moorages throughout the park system. Work includes, but is not limited to, repairs to the piles, caps, stringers, decking, and breakwater structures. These repairs extend the useful life boat moorages, many of which generate revenues to the Department each year. This project was formerly project number K732338. A new project number has been created for this project to comply with new accounting procedures, therefore life to date amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
Real Estate Excise Tax I	30	3,970	0	0	0	0	0	0	4,000
Concession Revenues	256	94	0	0	0	0	0	0	350
<b>Total:</b>	286	4,064	0	0	0	0	0	0	4,350

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	30	3,970	0	0	0	0	0	0	4,000
Cumulative Reserve Subfund - Unrestricted Subaccount	256	94	0	0	0	0	0	0	350
<b>Total*:</b>	286	4,064	0	0	0	0	0	0	4,350

<b>O &amp; M Costs (Savings)</b>	0	0	0	0	0	0	0	0	0
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**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	970	2,000	1,000	0	0	0	0	0	3,970
Cumulative Reserve Subfund - Unrestricted Subaccount	94	0	0	0	0	0	0	0	94
<b>Total:</b>	1,064	2,000	1,000	0	0	0	0	0	4,064

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Boiler and Mechanical System Replacement Program**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732306	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces boilers, mechanical systems, and any related work necessary in facilities throughout the Parks system. Costs for certain boiler and mechanical systems replacements may be eligible for reimbursement from Seattle City Light or Puget Sound Energy. This project extends the useful life of the boilers and assures that Department facilities are not closed due to boiler and mechanical systems failure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,229	0	75	175	175	175	175	175	2,179
Real Estate Excise Tax I	100	0	0	0	0	0	0	0	100
<b>Total:</b>	1,329	0	75	175	175	175	175	175	2,279
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,229	0	75	175	175	175	175	175	2,179
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	100	0	0	0	0	0	0	0	100
<b>Total*:</b>	1,329	0	75	175	175	175	175	175	2,279
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Bryant Site Development

<b>BCL/Program Name:</b>	SR520 Mitigation	<b>BCL/Program Code:</b>	K72451
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2013
<b>Project ID:</b>	K732480	<b>End Date:</b>	Q4/2020
<b>Location:</b>	1101 NE Boat ST		
<b>Neighborhood Plan:</b>	University	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Northeast	<b>Urban Village:</b>	University District

This project, funded with monies from the University of Washington and the Washington State Department of Transportation, remediates and develops a replacement park site at 1101 NE Boat Street for lands lost at the Washington Park Arboretum and East Montlake Park for the development of the new State Route 520 Bridge and HOV project, I-5 to Medina. Improvements include demolition, site remediation, design, and development of a new waterfront park. The replacement park continues to serve city-wide park needs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
State Interlocal Revenues	779	10,610	0	0	0	0	0	0	11,389
<b>Total:</b>	779	10,610	0	0	0	0	0	0	11,389
<b>Fund Appropriations/Allocations</b>									
Park Mitigation and Remediation Fund	779	10,610	0	0	0	0	0	0	11,389
<b>Total*:</b>	779	10,610	0	0	0	0	0	0	11,389
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Park Mitigation and Remediation Fund		600	1,000	3,400	5,000	610	0	0	10,610
<b>Total:</b>		600	1,000	3,400	5,000	610	0	0	10,610

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Comfort Station Renovations

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K732453	<b>End Date:</b>	TBD
<b>Location:</b>			
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project renovates selected comfort stations for improved ADA access, ventilation and finishes (walls and floors), and security. The renovations also may include reconfigured stalls, new toilets, urinals, and sinks, ADA accessories, paint and finishes, and related work, depending on the needs of a particular site. In some cases, a comfort station may be replaced with a prefabricated unit. More park users will have access to these facilities, and the improvements will make them more inviting and comfortable. Specific sites will be determined in early 2015.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	660	660	660	1,980
Real Estate Excise Tax I	0	300	0	0	0	0	0	0	300
King County Voter-Approved Levy	10	1,195	660	660	660	0	0	0	3,185
<b>Total:</b>	10	1,495	660	660	660	660	660	660	5,465
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	660	660	660	1,980
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	300	0	0	0	0	0	0	300
2013 King County Parks Levy	10	1,195	660	660	660	0	0	0	3,185
<b>Total*:</b>	10	1,495	660	660	660	660	660	660	5,465
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Community Center Rehabilitation & Development

<b>BCL/Program Name:</b>	Fix It First - CIP	<b>BCL/Program Code:</b>	K720300
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730301	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides funding for improvements at 26 community centers, the oldest of which is 103 years old. Typical improvements include renovation, upgrades, or replacement of major building systems, roof and building envelopes, seismic upgrades, painting, energy efficient lighting and other environmentally sustainable building components, Americans with Disabilities (ADA) access improvements, and related work. In some instances, facilities will be replaced or remodeled to improve programming space. The individual projects will address health and safety codes, extend the life of the asset, improve access for all, reduce energy costs, improve the overall community center experience for the public, and meet today's and future recreation needs. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	325	4,362	3,072	3,149	3,228	3,308	3,390	3,476	24,310
<b>Total:</b>	325	4,362	3,072	3,149	3,228	3,308	3,390	3,476	24,310
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	325	4,362	3,072	3,149	3,228	3,308	3,390	3,476	24,310
<b>Total*:</b>	325	4,362	3,072	3,149	3,228	3,308	3,390	3,476	24,310
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Parks Capital Fund		722	2,780	3,331	3,176	3,435	3,020	3,361	19,825
<b>Total:</b>		722	2,780	3,331	3,176	3,435	3,020	3,361	19,825

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Delridge Playfield Synthetic Turf Resurfacing**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	K732487	<b>End Date:</b>	Q1/2021
<b>Location:</b>	4458 Delridge WAY SW		
<b>Neighborhood Plan:</b>	Delridge	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Delridge	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the synthetic turf field surfacing (approximately 210,160 s.f.) which was installed in 2010 and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	4,321	0	0	4,321
<b>Total:</b>	0	0	0	0	0	4,321	0	0	4,321
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Develop 14 New Parks at Land-Banked Sites

<b>BCL/Program Name:</b>	Building For The Future - CIP	<b>BCL/Program Code:</b>	K720302
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	K730308	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project develops 14 new parks on land-banked sites that were acquired under prior levies. Depending on the size, location, and type of park, new elements could include trees and landscaping, paths, plazas, a play area, site furniture, lighting, and related improvements. Each newly developed park will improve the neighborhood and contribute to improved health for park users, and will have environmental benefits. This project is part of the Metropolitan Parks District measure put before voters in 2014.

		LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>										
Seattle Park District Revenues	0	4,998	5,299	4,805	2,892	407	0	0	0	18,401
<b>Total:</b>	0	4,998	5,299	4,805	2,892	407	0	0	0	18,401
<b>Fund Appropriations/Allocations</b>										
Parks Capital Fund	0	4,998	5,299	4,805	2,892	407	0	0	0	18,401
<b>Total*:</b>	0	4,998	5,299	4,805	2,892	407	0	0	0	18,401
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>										
Parks Capital Fund		251	10,046	4,805	2,892	407	0	0	0	18,401
<b>Total:</b>		251	10,046	4,805	2,892	407	0	0	0	18,401

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

Donations- Green Space

<b>BCL/Program Name:</b>	2008 Parks Levy- Green Space Acquisition	<b>BCL/Program Code:</b>	K720011
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2009
<b>Project ID:</b>	K730139	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This project provides funding from the Green Space Acquisition Program in the 2008 Parks Levy to cover ancillary costs associated with evaluating and accepting offers to the City for the donation and acquisition of real property located in green spaces. Authority for the actual acceptance of real properties will be authorized through separate legislative actions.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	59	16	0	0	0	0	0	0	75
<b>Total:</b>	59	16	0	0	0	0	0	0	75
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	59	16	0	0	0	0	0	0	75
<b>Total*:</b>	59	16	0	0	0	0	0	0	75
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		10	6	0	0	0	0	0	16
<b>Total:</b>		10	6	0	0	0	0	0	16

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**East John Street Open Space Development**

<b>BCL/Program Name:</b>	Opportunity Fund	<b>BCL/Program Code:</b>	K720041
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	K730148	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Summit AVE E/E John ST		
<b>Neighborhood Plan:</b>	Capitol Hill	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Capitol Hill

This project, part of the 2008 Parks Levy Opportunity Fund, removes impervious paving; adds a bioswale and planting area; and improves neighborhood pedestrian connections. These improvements will make the site more environmentally sensitive and enhance its accessibility to the public.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	89	171	0	0	0	0	0	0	260
<b>Total:</b>	89	171	0	0	0	0	0	0	260
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	89	171	0	0	0	0	0	0	260
<b>Total*:</b>	89	171	0	0	0	0	0	0	260
<b>O &amp; M Costs (Savings)</b>			7	7	8	8	9	10	49
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		31	140	0	0	0	0	0	171
<b>Total:</b>		31	140	0	0	0	0	0	171

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Electrical System Replacement Program**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732307	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project renovates electrical systems throughout the park system to reduce fire hazards and performs other related work. Future funding depends on specific projects and available resources, including grants. This project extends the useful life of electrical systems in various Parks facilities and increases the safety of these systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	819	0	150	150	150	150	150	150	1,719
Real Estate Excise Tax I	102	536	0	0	0	0	0	0	638
<b>Total:</b>	921	536	150	150	150	150	150	150	2,357
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	819	0	150	150	150	150	150	150	1,719
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	102	536	0	0	0	0	0	0	638
<b>Total*:</b>	921	536	150	150	150	150	150	150	2,357
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Emma Schmitz Sea Wall Replacement

<b>BCL/Program Name:</b>	Docks/Piers/Floats/Seawalls/Shorelines	<b>BCL/Program Code:</b>	K72447
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	K732454	<b>End Date:</b>	TBD
<b>Location:</b>	4503 Beach DR SW		
<b>Neighborhood Plan:</b>	Morgan Junction (MOCA)	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	Not in an Urban Village

This project is Seattle Parks' share of the replacement or repair of the seawall which is failing. The Army Corps of Engineers is funding a study to determine the best option for replacement or repair of the seawall. It is anticipated that the cost of the project will be less than \$2 million. Parks and the Army Corps will share the costs of the project (Parks 35% and Army Corps 65%).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
Miscellaneous Grants or Donations	21	29	0	0	0	0	0	0	50
<b>Total:</b>	21	29	0	0	0	0	0	0	50
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
Community Improvement Contribution Fund	21	29	0	0	0	0	0	0	50
<b>Total*:</b>	21	29	0	0	0	0	0	0	50
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Emma Schmitz Sea Wall Replacement-2008 Levy**

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q3/2014
<b>Project ID:</b>	K730194	<b>End Date:</b>	Q4/2017
<b>Location:</b>	4503 Beach DR SW		
<b>Neighborhood Plan:</b>	Morgan Junction (MOCA)	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	Not in an Urban Village

This project, funded with 2008 Parks Levy funds redirected from the Seattle Asian Art Museum renovation project, is Seattle Parks' share of the replacement or repair of the seawall which is failing. The Army Corps of Engineers is funding a study to determine the best option for replacement or repair of the seawall. It is anticipated that the cost of the project will be less than \$2 million. Parks and the Army Corps will share the costs of the project (Parks 35% and Army Corps 65%).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	2	648	0	0	0	0	0	0	650
<b>Total:</b>	2	648	0	0	0	0	0	0	650
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	2	648	0	0	0	0	0	0	650
<b>Total*:</b>	2	648	0	0	0	0	0	0	650
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		8	640	0	0	0	0	0	648
<b>Total:</b>		8	640	0	0	0	0	0	648

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Environmental Remediation Program

<b>BCL/Program Name:</b>	Parks Infrastructure	<b>BCL/Program Code:</b>	K72441
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732401	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides for abatement of lead paint, asbestos, contaminated soils, and other required remediation efforts at sites throughout the City. Projects are determined based on legal requirements, the severity of the problem, and the impact to the public and Parks operations.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	432	0	100	100	100	100	100	100	1,032
Real Estate Excise Tax I	125	142	0	0	0	0	0	0	267
<b>Total:</b>	557	142	100	100	100	100	100	100	1,299
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	432	0	100	100	100	100	100	100	1,032
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	125	142	0	0	0	0	0	0	267
<b>Total*:</b>	557	142	100	100	100	100	100	100	1,299
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Garfield Playfield Infield Synthetic Turf Resurfacing**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	K732489	<b>End Date:</b>	Q1/2021
<b>Location:</b>	2301 E Cherry ST		
<b>Neighborhood Plan:</b>	Central Area	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Central	<b>Urban Village:</b>	23rd Ave. @ Jackson

This project replaces the synthetic turf field surfacing (approximately 30,000 s.f.) which was installed in 2010 and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	618	0	0	618
<b>Total:</b>	0	0	0	0	0	618	0	0	618
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Gas Works Park - Remediation

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2000
<b>Project ID:</b>	K73582	<b>End Date:</b>	TBD
<b>Location:</b>	2101 N Northlake Wy		
<b>Neighborhood Plan:</b>	Wallingford	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	Not in an Urban Village

This project provides ongoing monitoring efforts to ensure the measures constructed for remediation of soils at Gas Works Park were effective. Monitoring activities include maintenance and operation of the air sparging, SVE systems, soil cap, and other institutional controls; groundwater testing; quarterly reports; and other related work. The project also provides for ongoing monitoring for as long as 20 years from installation, effectively until 2021. All measures of the Compliance Monitoring Project must be executed in accordance with the Consent Decree established in 1998, requiring the Seattle Department of Parks and Recreation, Puget Sound Energy, and the Department of Ecology to implement a Cleanup Action Plan.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	334	1	210	790	800	420	200	200	2,955
Real Estate Excise Tax I	362	2,020	0	0	0	0	0	0	2,382
General Subfund Revenues	402	0	0	0	0	0	0	0	402
To be determined	0	0	0	0	0	0	0	0	0
<b>Total:</b>	1,098	2,021	210	790	800	420	200	200	5,739
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	334	1	210	790	800	420	200	200	2,955
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	362	2,020	0	0	0	0	0	0	2,382
Gasworks Park Contamination Remediation Fund	402	0	0	0	0	0	0	0	402
<b>Total*:</b>	1,098	2,021	210	790	800	420	200	200	5,739
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		1	210	790	800	420	200	200	2,621
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		1,618	402	0	0	0	0	0	2,020
Gasworks Park Contamination Remediation Fund		0	0	0	0	0	0	0	0
To Be Determined		0	0	0	0	0	0	0	0
<b>Total:</b>		1,619	612	790	800	420	200	200	4,641

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Gas Works Park Play Area Renovation

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	K730089	<b>End Date:</b>	Q2/2017
<b>Location:</b>	2101 N Northlake WAY		
<b>Neighborhood Plan:</b>	Wallingford	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	Not in an Urban Village

This project provides for replacement of play equipment, access improvements and other work at the existing Gas Works Park play area. The scope of this project brings the play area into compliance with current play area safety standards and guideline efforts of the American Society of Testing and Materials (ASTM) and the Consumer Product Safety Commission (CPSC) as well as meets the requirements of the Americans with Disabilities Act (ADA). This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	231	1,169	0	0	0	0	0	0	1,400
<b>Total:</b>	231	1,169	0	0	0	0	0	0	1,400
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	231	1,169	0	0	0	0	0	0	1,400
<b>Total*:</b>	231	1,169	0	0	0	0	0	0	1,400
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		700	469	0	0	0	0	0	1,169
<b>Total:</b>		700	469	0	0	0	0	0	1,169

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

Department of Parks and Recreation

**Genesee Playfield #1 Synthetic Turf Resurfacing**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	K732488	<b>End Date:</b>	Q1/2021
<b>Location:</b>	4420 S Genesee ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Southeast	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the synthetic turf field surfacing (approximately 73,854 s.f.) which was installed in 2010 and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	1,521	0	0	1,521
<b>Total:</b>	0	0	0	0	0	1,521	0	0	1,521
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Genesee Playfield #2 Synthetic Turf Resurfacing**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	K732485	<b>End Date:</b>	Q1/2021
<b>Location:</b>	4420 S Genesee ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Southeast	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the synthetic turf field surfacing (approximately 78,310 s.f.) which was installed in 2010 and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	1,613	0	0	1,613
<b>Total:</b>	0	0	0	0	0	1,613	0	0	1,613
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Georgetown Playfield Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	K732456	<b>End Date:</b>	TBD
<b>Location:</b>	750 S hOMER ST		
<b>Neighborhood Plan:</b>	Georgetown	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 109,000 square feet synthetic turf field surfacing which was installed in 2008 and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, baseball, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	2,035	0	0	0	2,035
<b>Total:</b>	0	0	0	0	2,035	0	0	0	2,035
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Golf - Capital Improvements**

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732407	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project is an ongoing program designed to improve the four City-owned golf courses (Interbay, Jackson, Jefferson, and West Seattle.) Funding for these improvements is provided by green fees, golf cart rentals, ball purchases, and other golf revenues. This project was formerly project number K732285. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Golf Revenues	1,259	535	0	100	100	100	100	100	2,294
<b>Total:</b>	1,259	535	0	100	100	100	100	100	2,294
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	1,259	535	0	100	100	100	100	100	2,294
<b>Total*:</b>	1,259	535	0	100	100	100	100	100	2,294
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Golf Master Plan Implementation

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q2/2010
<b>Project ID:</b>	K732391	<b>End Date:</b>	Q2/2017
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides improvements to the four City-owned golf courses (Interbay, Jackson, Jefferson, and West Seattle), including but not limited to, building replacements, driving ranges, cart path improvements, and course and landscaping renovation. Golf Capital Improvements will be phased over 6+ years, placing the revenue generating improvements upfront. The project will expand Golf program capacity and revenues by implementing portions of the Golf Master Plan.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Obligation Bonds	859	4	0	0	0	0	0	0	863
General Obligation Bonds	2,044	5	0	0	0	0	0	0	2,049
General Obligation Bonds	3,987	315	0	0	0	0	0	0	4,302
General Obligation Bonds	1,810	0	0	0	0	0	0	0	1,810
General Obligation Bonds	5,393	168	0	0	0	0	0	0	5,561
General Obligation Bonds	1,164	836	0	0	0	0	0	0	2,000
<b>Total:</b>	15,257	1,328	0	0	0	0	0	0	16,585
<b>Fund Appropriations/Allocations</b>									
2010 Multipurpose LTGO Bond Fund	859	4	0	0	0	0	0	0	863
2011 Multipurpose LTGO Bond Fund	2,044	5	0	0	0	0	0	0	2,049
2012 Multipurpose LTGO Bond Fund	3,987	315	0	0	0	0	0	0	4,302
2013 Multipurpose LTGO Bond Fund	1,810	0	0	0	0	0	0	0	1,810
2014 Multipurpose LTGO Bond Fund	5,393	168	0	0	0	0	0	0	5,561
2015 Multipurpose LTGO Bond Fund	1,164	836	0	0	0	0	0	0	2,000
<b>Total*:</b>	15,257	1,328	0	0	0	0	0	0	16,585
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Department of Parks and Recreation**

**Spending Plan by Fund**

2010 Multipurpose LTGO Bond Fund	4	0	0	0	0	0	0	4
2011 Multipurpose LTGO Bond Fund	5	0	0	0	0	0	0	5
2012 Multipurpose LTGO Bond Fund	315	0	0	0	0	0	0	315
2013 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2014 Multipurpose LTGO Bond Fund	168	0	0	0	0	0	0	168
2015 Multipurpose LTGO Bond Fund	600	236	0	0	0	0	0	836
<b>Total:</b>	1,092	236	0	0	0	0	0	1,328

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

Department of Parks and Recreation

**Green Lake CC - Evans Pool Roof Replacement & Solar Hot Water**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	K732448	<b>End Date:</b>	TBD
<b>Location:</b>	7201 E Green Lake Dr N		
<b>Neighborhood Plan:</b>	Greenlake	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Green Lake

This project demolishes the existing 15,130 square foot Evans Pool roof and the 13,625 Community Center roof and replace them with a rubberized membrane roofing/EPDM system and solar panels to supplement the pool hot water system, seismic improvements, and related work. The flat roof section of the roof will accommodate a 1,000,000 Btu/day system and will help to reduce pool heating costs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	208	1,464	0	0	0	0	0	0	1,672
<b>Total:</b>	208	1,464	0	0	0	0	0	0	1,672
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	208	1,464	0	0	0	0	0	0	1,672
<b>Total*:</b>	208	1,464	0	0	0	0	0	0	1,672
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		64	700	700	0	0	0	0	1,464
<b>Total:</b>		64	700	700	0	0	0	0	1,464

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Department of Parks and Recreation**

**Green Lake Community Center Electrical and Mechanical Renovation-2008**

**Levy**

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q3/2014
<b>Project ID:</b>	K730195	<b>End Date:</b>	Q4/2018
<b>Location:</b>	7201 E Green Lake DR N		
<b>Neighborhood Plan:</b>	Greenlake	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Green Lake

This project, funded with 2008 Parks Levy funds redirected from the Seattle Asian Art Museum renovation project , replaces selected electrical and mechanical components in the facility, including replacing the main boiler, adding a new DCC controls system, upgrading building, emergency, and exit lighting, the fire alarm system, and related improvements. It is anticipated that these improvements will improve safety and improve energy efficiency in the Center and Pool.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	25	1,191	0	0	0	0	0	0	1,216
<b>Total:</b>	25	1,191	0	0	0	0	0	0	1,216
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	25	1,191	0	0	0	0	0	0	1,216
<b>Total*:</b>	25	1,191	0	0	0	0	0	0	1,216
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		11	580	600	0	0	0	0	1,191
<b>Total:</b>		11	580	600	0	0	0	0	1,191

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Green Space Acquisitions- 2008 Parks Levy

<b>BCL/Program Name:</b>	2008 Parks Levy- Green Space Acquisition	<b>BCL/Program Code:</b>	K720011
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2009
<b>Project ID:</b>	K730011	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

2014 2nd Q Supplemental Adds \$1050000 for anticipated acquisitions

This project provides for acquisition of properties to fill gaps in existing public ownership and preserve continuity in existing public ownership. The project scope targets acquisitions in the following designated green spaces: Arroyos Natural Area, East Duwamish Greenbelt, Northeast Queen Anne Greenbelt, Ravenna Woods, Thornton Creek Watershed, and West Duwamish Greenbelt. These acquisitions will enhance livability and increase opportunities for the public to enjoy nature. They also implement the Parks Strategic Action Plan by encouraging long-term stewardship of natural resources. Levy funds are expected to be supplemented by grants and funds from other sources for these acquisitions. This project is part of the 2008 Parks Levy.

In 2010,\$305K was added to the project to provide funding to cover costs associated with the acquisition of real property within the City's designated green spaces. These funds are derived from excess interest earnings in the Open Spaces and Trails Fund, which was created in 1989 and has been inactive since 2006.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Interest Earnings	273	32	0	0	0	0	0	0	305
Seattle Voter-Approved Levy	8,259	916	0	0	0	0	0	0	9,175
<b>Total:</b>	8,532	948	0	0	0	0	0	0	9,480
<b>Fund Appropriations/Allocations</b>									
Open Spaces & Trails Bond Fund	273	32	0	0	0	0	0	0	305
2008 Parks Levy Fund	8,259	916	0	0	0	0	0	0	9,175
<b>Total*:</b>	8,532	948	0	0	0	0	0	0	9,480
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Open Spaces & Trails Bond Fund		32	0	0	0	0	0	0	32
2008 Parks Levy Fund		800	116	0	0	0	0	0	916
<b>Total:</b>		832	116	0	0	0	0	0	948

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Hiawatha Community Center Renovation-2008 Levy

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q4/2014
<b>Project ID:</b>	K730196	<b>End Date:</b>	Q4/2018
<b>Location:</b>	2700 California AVE SW		
<b>Neighborhood Plan:</b>	Admiral	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	Admiral District

This project, funded with 2008 Parks Levy funds redirected from the Seattle Asian Art Museum renovation project, renovates the building to include an updated kitchen, interior space renovations, new electrical, water and sewer services, exterior and seismic upgrades, ADA improvements, and other related work.. Combined, these major systems and programmatic renovations will allow the building to operate more efficiently, and increases the opportunities for more facility rentals.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	24	1,169	0	0	0	0	0	0	1,193
<b>Total:</b>	<b>24</b>	<b>1,169</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,193</b>
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	24	1,169	0	0	0	0	0	0	1,193
<b>Total*:</b>	<b>24</b>	<b>1,169</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,193</b>
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		9	500	660	0	0	0	0	1,169
<b>Total:</b>		<b>9</b>	<b>500</b>	<b>660</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,169</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Hiawatha Playfield Synthetic Turf Resurfacing

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	K732486	<b>End Date:</b>	Q1/2021
<b>Location:</b>	2700 California AVE SW		
<b>Neighborhood Plan:</b>	Admiral	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	Admiral District

This project replaces the synthetic turf field surfacing (approximately 131,200 s.f.) which was installed in 2010 and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	2,703	0	0	2,703
<b>Total:</b>	0	0	0	0	0	2,703	0	0	2,703
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

Highland Park Playground Renovation

<b>BCL/Program Name:</b>	Opportunity Fund	<b>BCL/Program Code:</b>	K720041
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	K730181	<b>End Date:</b>	Q2/2017
<b>Location:</b>	1100 SW Cloverdale ST		
<b>Neighborhood Plan:</b>	Westwood & Highland Park	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Delridge	<b>Urban Village:</b>	Not in an Urban Village

This project, part of the 2008 Parks Levy Opportunity Fund, improves access into the park and improves play structures and equipment that adds to the diversity of play experiences in the neighborhood. The pedestrian flow will be emphasized when the new play elements are located within the park in order to create a cohesive space that improves the connection to the neighborhood. The renovation improves usability and safety.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	95	280	0	0	0	0	0	0	375
<b>Total:</b>	95	280	0	0	0	0	0	0	375
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	95	280	0	0	0	0	0	0	375
<b>Total*:</b>	95	280	0	0	0	0	0	0	375
<b>O &amp; M Costs (Savings)</b>			6	6	6	7	7	8	40
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		200	80	0	0	0	0	0	280
<b>Total:</b>		200	80	0	0	0	0	0	280

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Hubbard Homestead Park (Northgate) Acquisition- Debt Service**

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732321	<b>End Date:</b>	Q4/2027
<b>Location:</b>	NE 112th St/5th Ave NE		
<b>Neighborhood Plan:</b>	Northgate	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Northgate

This project funds the 20-year debt service payment on \$3 million Limited Tax General Obligation (LTGO) debt issued in 2007 to pay for the acquisition of the new Northgate Urban Center Park.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	1,744	236	234	234	221	224	221	218	3,332
<b>Total:</b>	1,744	236	234	234	221	224	221	218	3,332
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,744	236	234	234	221	224	221	218	3,332
<b>Total*:</b>	1,744	236	234	234	221	224	221	218	3,332
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### HVAC System Duct Cleaning Program - Large Buildings

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732421	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides periodic (every two to five years) cleaning of the air ducts in the heating, ventilation, and air conditioning (HVAC) systems in pool natatoriums, community centers, and other Department-owned buildings. This maintenance increases the lifespan of these systems and reduces potential future major maintenance projects. This project was formerly project number K73669. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Property Sales and Interest Earnings	206	39	35	35	35	35	35	35	455
<b>Total:</b>	206	39	35	35	35	35	35	35	455
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	206	39	35	35	35	35	35	35	455
<b>Total*:</b>	206	39	35	35	35	35	35	35	455
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Improve Dog Off-Leash Areas

<b>BCL/Program Name:</b>	Maintaining Parks and Facilities - CIP	<b>BCL/Program Code:</b>	K720301
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	K730312	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project improves the City’s 14 existing off-leash areas, most of which have aging infrastructure. In 1996, seven sites were selected as pilot off-leash areas. In 1997, four of them (Blue Dog Pond, Genesee, Golden Gardens, and Westcrest) were selected as the first permanent sites. By 2011, there were a total of 11 off-leash areas, and three more have been added since then (Magnolia Manor, Kinnear, and Denny). Typical projects will improve Americans with Disabilities (ADA) access, address drainage and erosion issues, update aging infrastructure, and related work. This project is part of the Seattle Park District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	0	0	109	112	115	117	120	123	696
<b>Total:</b>	0	0	109	112	115	117	120	123	696
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	0	0	109	112	115	117	120	123	696
<b>Total*:</b>	0	0	109	112	115	117	120	123	696
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Irrigation Replacement and Outdoor Infrastructure Program

<b>BCL/Program Name:</b>	Parks Infrastructure	<b>BCL/Program Code:</b>	K72441
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732406	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project funds engineering and other studies of the Department’s park irrigation and outdoor infrastructure systems (e.g., water mains, irrigation and drainage lines, sanitary and storm sewers, electrical utilities, roads, paths, trails, retaining walls, bridges, saltwater piers, and related infrastructure); associated cost estimating; related staff and consultant support for developing and prioritizing projects within the Department’s Asset Management Plan; and implements replacement projects at various sites. Specific projects are determined by the study and operational considerations. This project provides conservation benefits by reducing water loss due to leaking systems, allocating water flow more efficiently through improved technology, and implementing other related work. It also extends the useful life of the infrastructure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	830	0	300	300	300	550	550	550	3,380
Real Estate Excise Tax I	238	565	0	0	0	0	0	0	803
Drainage and Wastewater Rates	37	3	0	0	0	0	0	0	40
<b>Total:</b>	1,105	568	300	300	300	550	550	550	4,223
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	830	0	300	300	300	550	550	550	3,380
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	238	565	0	0	0	0	0	0	803
Cumulative Reserve Subfund - Unrestricted Subaccount	37	3	0	0	0	0	0	0	40
<b>Total*:</b>	1,105	568	300	300	300	550	550	550	4,223
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Jefferson Park PF Synthetic Turf Resurfacing

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2022
<b>Project ID:</b>	K732501	<b>End Date:</b>	Q4/2022
<b>Location:</b>	3801 Beacon Ave S		
<b>Neighborhood Plan:</b>	North Beacon Hill	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 150,000 square foot synthetic turf field surfacing which was installed in 2012, and performs related work. The surfacing material is near the end of its lifecycle and needs to be replaced. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	0	0	3,407	3,407
<b>Total:</b>	0	0	0	0	0	0	0	3,407	3,407
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Lake City Community Center Improvements**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	K732472	<b>End Date:</b>	TBD
<b>Location:</b>	12531 28th Avenue NE		
<b>Neighborhood Plan:</b>	North District/Lake City	<b>Council District:</b>	5
<b>Neighborhood District:</b>	North	<b>Urban Village:</b>	Lake City

This project provides for an architectural and engineering study to identify code compliance and design needs and cost estimates, and for implementation of the study to renovate the Lake City Community Center. Depending on the study results, specific renovations may include Americans with Disabilities Act accessibility compliance elements such as an elevator for access to the second floor, new windows and/or doors to the rear patio, signage, finishes, and related work. The renovations will improve access to the facility for all users, and make it more inviting and comfortable.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	46	454	0	0	0	0	0	0	500
<b>Total:</b>	46	454	0	0	0	0	0	0	500
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	46	454	0	0	0	0	0	0	500
<b>Total*:</b>	46	454	0	0	0	0	0	0	500
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Lake Union Park Remediation

<b>BCL/Program Name:</b>	Parks Infrastructure	<b>BCL/Program Code:</b>	K72441
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	K732499	<b>End Date:</b>	Q4/2017
<b>Location:</b>	860 Terry Ave N		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This project is a repair project to alleviate settlement that has occurred within the Park site and other related items. Specific site elements will be repaired including bridge, bridge abutment, boardwalk, sidewalk and landscaping. The work will entail the removal of existing soil and the installation of lightweight geofoam under hardscapes (walkways) along the western portion of the park 'peninsula' (west of MOHAI) to reduce load. The improvements will ensure safe and accessible walkways and will reopen bridge access from the west side of the Park.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	3,600	0	0	0	0	0	3,600
<b>Total:</b>	0	0	3,600	0	0	0	0	0	3,600
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	3,600	0	0	0	0	0	3,600
<b>Total*:</b>	0	0	3,600	0	0	0	0	0	3,600
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Lake Union Park Walkway Renovations-2008 Levy

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q3/2014
<b>Project ID:</b>	K730197	<b>End Date:</b>	Q4/2017
<b>Location:</b>	860 Terry AVE N		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This project, funded with 2008 Parks Levy funds redirected from the Seattle Asian Art Museum renovation project, investigates and repairs subsidence issues in walkway areas at Lake Union Park, along the north side of the park adjacent to the water, and east and north of the pedestrian bridge on the west side of the park. Temporary repairs have been made to eliminate tripping hazards, but this project constructs a long term solution to ensure safe and accessible walkways.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	157	193	0	0	0	0	0	0	350
<b>Total:</b>	157	193	0	0	0	0	0	0	350
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	157	193	0	0	0	0	0	0	350
<b>Total*:</b>	157	193	0	0	0	0	0	0	350
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		93	100	0	0	0	0	0	193
<b>Total:</b>		93	100	0	0	0	0	0	193

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Landscape Restoration Program

<b>BCL/Program Name:</b>	Citywide and Neighborhood Projects	<b>BCL/Program Code:</b>	K72449
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732402	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing program restores developed landscape areas by replacing and installing shrubbery, trees, turf, structural elements, and other elements in parks throughout the City. The program also includes a monitoring and plant establishment project, which provides necessary labor and materials to ensure that each restoration site is checked twice a year for the first three years after planting. This project was formerly project number K732214. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,685	0	430	430	430	430	430	430	4,265
Real Estate Excise Tax I	667	585	0	0	0	0	0	0	1,252
Property Sales and Interest Earnings	22	88	0	0	0	0	0	0	110
<b>Total:</b>	2,374	673	430	430	430	430	430	430	5,627
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,685	0	430	430	430	430	430	430	4,265
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	667	585	0	0	0	0	0	0	1,252
Cumulative Reserve Subfund - Unrestricted Subaccount	22	88	0	0	0	0	0	0	110
<b>Total*:</b>	2,374	673	430	430	430	430	430	430	5,627
<b>O &amp; M Costs (Savings)</b>			19	19	20	20	21	21	120

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

Department of Parks and Recreation

**Lower Woodland Park Playfield #2 Synthetic Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	K732477	<b>End Date:</b>	TBD
<b>Location:</b>	1000 N 50th ST		
<b>Neighborhood Plan:</b>	Greenlake	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 100,800 square foot synthetic turf field surfacing which was installed in 2009, and performs related work. The surfacing material is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, lacrosse, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	1,977	0	0	0	1,977
<b>Total:</b>	0	0	0	0	1,977	0	0	0	1,977
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

Department of Parks and Recreation

**Lower Woodland Park Playfield #7 Synthetic Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	K732478	<b>End Date:</b>	TBD
<b>Location:</b>	1000 N 50th ST		
<b>Neighborhood Plan:</b>	Greenlake	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 75,600 square foot synthetic turf field surfacing which was installed in 2009, and performs related work. The surfacing material is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, lacrosse, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	1,483	0	0	0	1,483
<b>Total:</b>	0	0	0	0	1,483	0	0	0	1,483
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Loyal Heights Community Center Renovation

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	K732464	<b>End Date:</b>	TBD
<b>Location:</b>	2101 N 77th ST		
<b>Neighborhood Plan:</b>	Crown Hill/Ballard	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Ballard	<b>Urban Village:</b>	Not in an Urban Village

This project renovates the building including interior space renovations, ADA improvements, seismic upgrades, window glazing, and some major systems improvements. Combined, these major systems and programmatic renovations will allow the building to operate more efficiently, and to increase the opportunities for more facility rentals.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	197	1,671	0	0	0	0	1,868
Real Estate Excise Tax I	0	0	0	0	0	0	0	0	0
<b>Total:</b>	0	0	197	1,671	0	0	0	0	1,868
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	197	1,671	0	0	0	0	1,868
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	197	1,671	0	0	0	0	1,868
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Loyal Heights Playfield Turf Replacement

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2018
<b>Project ID:</b>	K732465	<b>End Date:</b>	TBD
<b>Location:</b>	2101 N 77th ST		
<b>Neighborhood Plan:</b>	Crown Hill/Ballard	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Ballard	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the synthetic turf field surfacing (134,000 square feet) which was installed in 2006, and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, baseball, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	2,385	0	0	0	0	2,385
<b>Total:</b>	0	0	0	2,385	0	0	0	0	2,385
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	2,385	0	0	0	0	2,385
<b>Total*:</b>	0	0	0	2,385	0	0	0	0	2,385
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

Department of Parks and Recreation

**Magnuson Park (5 Fields) Synthetic Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	K732479	<b>End Date:</b>	TBD
<b>Location:</b>	7400 Sand Point WAY N		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Northeast	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 471,900 square foot synthetic turf field surfacing which was installed on five fields in 2009, and performs related work. The surfacing material is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfields for soccer, baseball, lacrosse, rugby, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	4,628	4,628	0	0	9,256
<b>Total:</b>	0	0	0	0	4,628	4,628	0	0	9,256
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

Department of Parks and Recreation

**Magnuson Park Building #406 Roof Replacement-2008 Levy**

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q2/2014
<b>Project ID:</b>	K730198	<b>End Date:</b>	Q2/2017
<b>Location:</b>	7400 Sand Point WAY NE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Northeast	<b>Urban Village:</b>	Not in an Urban Village

This project, funded with 2008 Parks Levy funds redirected from the Seattle Asian Art Museum renovation project , replaces the Built Up Roofing (BUR) system with a rubberized/EPDM roofing system with 20KW photovoltaic panels, and performs other related work. The system will supply power into the electrical system for the building, which will reduce the amount of utility power used. At certain times, the system may produce more power than is being used by the building, resulting in a credit for power used. This project eliminates a leaky roof and will make the facility more energy efficient.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	15	1,337	0	0	0	0	0	0	1,352
<b>Total:</b>	15	1,337	0	0	0	0	0	0	1,352
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	15	1,337	0	0	0	0	0	0	1,352
<b>Total*:</b>	15	1,337	0	0	0	0	0	0	1,352
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		637	700	0	0	0	0	0	1,337
<b>Total:</b>		637	700	0	0	0	0	0	1,337

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Major Maintenance Backlog and Asset Management

<b>BCL/Program Name:</b>	Fix It First - CIP	<b>BCL/Program Code:</b>	K720300
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730300	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides funding for major maintenance projects for assets in all of the city parks and recreation facilities, including athletic fields, play areas, swimming pools, trails, buildings, accessibility elements, outdoor infrastructure, and related work. This project also funds a new integrated asset management and work order system to better track and forecast long-term asset and maintenance needs. The project also increases Parks' ability to remove property encroachments. Typical major maintenance improvements may include, but are not limited to renovating buildings, Americans with Disabilities (ADA) access improvements, replacing play area structures, forest, landscape, trail maintenance and improvements, swimming pool repairs, athletic field refurbishment, and installation of energy efficient lighting, and related major maintenance work. These projects will address health and safety codes, extend the life of the asset, improve access for all, reduce energy costs, reclaim Parks property, and improve the overall park experience for the public. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	531	17,175	18,360	18,819	19,289	19,771	20,265	20,772	134,982
<b>Total:</b>	531	17,175	18,360	18,819	19,289	19,771	20,265	20,772	134,982
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	531	17,175	18,360	18,819	19,289	19,771	20,265	20,772	134,982
<b>Total*:</b>	531	17,175	18,360	18,819	19,289	19,771	20,265	20,772	134,982
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Parks Capital Fund		8,839	20,776	15,966	20,766	17,966	22,776	17,966	125,055
<b>Total:</b>		8,839	20,776	15,966	20,766	17,966	22,776	17,966	125,055

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Major Parks- 2008 Parks Levy

<b>BCL/Program Name:</b>	2008 Parks Levy- Major Parks	<b>BCL/Program Code:</b>	K720023
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K730023	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

The project provides a contingency for Major Parks projects on a case-by-case basis, subject to Department recommendations. General costs applicable to all projects, such as interest on borrowed funds, may be paid from this project. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	14	22	0	0	0	0	0	0	36
<b>Total:</b>	14	22	0	0	0	0	0	0	36
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	14	22	0	0	0	0	0	0	36
<b>Total*:</b>	14	22	0	0	0	0	0	0	36
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		11	11	0	0	0	0	0	22
<b>Total:</b>		11	11	0	0	0	0	0	22

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Major Projects Challenge Fund

<b>BCL/Program Name:</b>	Building For The Future - CIP	<b>BCL/Program Code:</b>	K720302
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	K730307	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides funding to leverage community-generated funding for renovation or development of large projects of Parks' facilities where other City funding is unavailable, often times due to the magnitude of the project. These projects will require matching funds, so the leveraging will stretch the City's funding, and more great community-generated projects can be accomplished. The community will benefit from new and/or improved facilities that can better accommodate current and projected park and recreation needs and demands. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	0	1,600	1,640	1,681	1,723	1,766	1,810	1,855	12,075
<b>Total:</b>	0	1,600	1,640	1,681	1,723	1,766	1,810	1,855	12,075
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	0	1,600	1,640	1,681	1,723	1,766	1,810	1,855	12,075
<b>Total*:</b>	0	1,600	1,640	1,681	1,723	1,766	1,810	1,855	12,075
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Parks Capital Fund		49	2,671	2,100	1,900	1,400	2,100	1,855	12,075
<b>Total:</b>		49	2,671	2,100	1,900	1,400	2,100	1,855	12,075

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Marra-Desimone Park Development

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	K730100	<b>End Date:</b>	Q2/2017
<b>Location:</b>	9026 4th AVE S		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project provides for development of Marra-Desimone Park, which includes the Marra Farm, Seattle’s largest site for urban gardening. It implements elements of the “Long-Range Development Plan for Marra-Desimone Park” (2008), and may include enhancement of the existing farm area, development of community and recreation space on the eastern side of the park, paths, and gateway features. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	181	919	0	0	0	0	0	0	1,100
<b>Total:</b>	181	919	0	0	0	0	0	0	1,100
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	181	919	0	0	0	0	0	0	1,100
<b>Total*:</b>	181	919	0	0	0	0	0	0	1,100
<b>O &amp; M Costs (Savings)</b>			30	30	31	32	33	33	189
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		800	119	0	0	0	0	0	919
<b>Total:</b>		800	119	0	0	0	0	0	919

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Miller Playfield Synthetic Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	K732475	<b>End Date:</b>	TBD
<b>Location:</b>	330 19th AVE E		
<b>Neighborhood Plan:</b>	Central Area	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Madison-Miller

This project replaces the 100,200 square foot synthetic turf field surfacing which was installed in 2009, and performs related work. The surfacing material is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, baseball, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	1,966	0	0	0	1,966
<b>Total:</b>	0	0	0	0	1,966	0	0	0	1,966
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Montlake PF Synthetic Turf Replacement

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2022
<b>Project ID:</b>	K732502	<b>End Date:</b>	Q4/2022
<b>Location:</b>	1618 E Calhoun St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Northeast	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 70,000 square foot synthetic turf field surfacing which was installed in 2012, and performs related work. The surfacing material is near the end of its lifecycle and needs to be replaced. This improvement allows the continued use and scheduling of the playfield for soccer, football, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	0	0	1,431	1,431
<b>Total:</b>	0	0	0	0	0	0	0	1,431	1,431
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Municipal Energy Efficiency Program - Parks**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	K732433	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide Multiple Locations		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides for investment in more energy efficient building systems and other facility efficiency improvements. By making these investments the City expects future savings in utility and labor costs, and significant progress toward carbon neutrality. This program is intended to fund facility retrofit projects identified by energy audits conducted in 2010 (funded by the City's Energy Efficiency and Conservation Block Grant) and similar projects identified by the department. Depending on project demand and available funding, additional resources may be added in the future.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	174	82	0	0	0	0	0	0	256
Miscellaneous Grants or Donations	0	129	0	0	0	0	0	0	129
General Obligation Bonds	281	197	0	0	0	0	0	0	478
<b>Total:</b>	455	408	0	0	0	0	0	0	863
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	174	82	0	0	0	0	0	0	256
Cumulative Reserve Subfund - Unrestricted Subaccount	0	129	0	0	0	0	0	0	129
2011 Multipurpose LTGO Bond Fund	281	197	0	0	0	0	0	0	478
<b>Total*:</b>	455	408	0	0	0	0	0	0	863
<b>O &amp; M Costs (Savings)</b>			(70)	(70)	(70)	(70)	(70)	(70)	(420)

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Neighborhood Capital Program

<b>BCL/Program Name:</b>	Citywide and Neighborhood Projects	<b>BCL/Program Code:</b>	K72449
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	K732376	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides funding for various projects that were proposed and prioritized by Community District Councils and selected by a team of City staff from the Department of Neighborhoods, the Parks Department, Seattle Department of Transportation, and the City Budget Office.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	715	436	59	0	0	0	0	0	1,210
Real Estate Excise Tax I	243	0	0	0	0	0	0	0	243
<b>Total:</b>	958	436	59	0	0	0	0	0	1,453
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	715	436	59	0	0	0	0	0	1,210
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	243	0	0	0	0	0	0	0	243
<b>Total*:</b>	958	436	59	0	0	0	0	0	1,453
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Neighborhood Park Acquisitions- 2008 Parks Levy**

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Park Acquisition	<b>BCL/Program Code:</b>	K720010
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2009
<b>Project ID:</b>	K730010	<b>End Date:</b>	TBD
<b>Location:</b>	Multiple Locations		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides for acquisition of property to create new urban parklands in Seattle's most densely-developed neighborhoods as identified in Seattle Parks and Recreation's 2006 Gap Analysis. New park land acquisition enhances livability and increases opportunities for the public to enjoy the outdoors. The acquisitions also implement the Parks Strategic Action Plan. Levy funds are expected to be supplemented by grants and funds from other sources and are not expected to be sufficient to complete acquisitions in all the targeted areas. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	18,881	5,998	0	0	0	0	0	0	24,879
<b>Total:</b>	18,881	5,998	0	0	0	0	0	0	24,879
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	18,881	5,998	0	0	0	0	0	0	24,879
<b>Total*:</b>	18,881	5,998	0	0	0	0	0	0	24,879
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		4,311	1,687	0	0	0	0	0	5,998
<b>Total:</b>		4,311	1,687	0	0	0	0	0	5,998

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Neighborhood Parks & Playgrounds- 2008 Parks Levy

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K730020	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

The project provides a contingency for Neighborhood Parks & Playground projects on a case-by-case basis, subject to Department recommendations. General costs applicable to all projects, such as interest on borrowed funds, may be paid from this project. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	128	572	0	0	0	0	0	0	700
<b>Total:</b>	128	572	0	0	0	0	0	0	700
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	128	572	0	0	0	0	0	0	700
<b>Total*:</b>	128	572	0	0	0	0	0	0	700
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		300	272	0	0	0	0	0	572
<b>Total:</b>		300	272	0	0	0	0	0	572

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

Neighborhood Response Program

<b>BCL/Program Name:</b>	Citywide and Neighborhood Projects	<b>BCL/Program Code:</b>	K72449
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732416	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program provides funding for small projects identified by citizens, neighborhood groups, or other community organizations. Projects address requests which are typically under \$50,000, and may be used for major maintenance activities performed in conjunction with development-oriented Neighborhood Matching Fund (NMF) projects. This program enables the Department to respond quickly to community requests for repairs in neighborhood parks. This project was formerly project number K73508. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	677	0	250	250	250	250	250	250	2,177
Real Estate Excise Tax I	309	415	0	0	0	0	0	0	724
King County Funds	37	0	0	0	0	0	0	0	37
Private Funding/Donations	130	0	0	0	0	0	0	0	130
<b>Total:</b>	1,153	415	250	250	250	250	250	250	3,068
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	677	0	250	250	250	250	250	250	2,177
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	309	415	0	0	0	0	0	0	724
Cumulative Reserve Subfund - Unrestricted Subaccount	167	0	0	0	0	0	0	0	167
<b>Total*:</b>	1,153	415	250	250	250	250	250	250	3,068
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Northwest Native Canoe Center Development**

<b>BCL/Program Name:</b>	Opportunity Fund	<b>BCL/Program Code:</b>	K720041
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	K730185	<b>End Date:</b>	Q2/2017
<b>Location:</b>	860 Terry AVE N		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	South Lake Union

This project, part of the 2008 Parks Levy Opportunity Fund, develops a carving shed which includes a living roof, and installs a carved "Welcome" figure on the beach. The project provides insight into distinctive varieties of Native American culture in a location at Lake Union where Native carvers are safe, and the public is welcome. This is the first phase of a two building development.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	16	734	0	0	0	0	0	0	750
<b>Total:</b>	16	734	0	0	0	0	0	0	750
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	16	734	0	0	0	0	0	0	750
<b>Total*:</b>	16	734	0	0	0	0	0	0	750
<b>O &amp; M Costs (Savings)</b>			12	12	13	13	14	14	78
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		300	434	0	0	0	0	0	734
<b>Total:</b>		300	434	0	0	0	0	0	734

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Opportunity Fund Acquisitions- 2008 Parks Levy

<b>BCL/Program Name:</b>	Opportunity Fund	<b>BCL/Program Code:</b>	K720041
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K730040	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This project provides funding to cover the costs of pre-acquisition activities (including planning, title searches, appraisals, negotiations, and community involvement) associated with acquisitions of specified real property as approved for the Opportunity Fund of the levy. Acquisitions will be authorized and funded through separate legislative action. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	1,975	0	0	0	0	0	0	0	1,975
Seattle Voter-Approved Levy	5,876	628	0	0	0	0	0	0	6,504
<b>Total:</b>	7,851	628	0	0	0	0	0	0	8,479
<b>Fund Appropriations/Allocations</b>									
2000 Parks Levy Fund	1,975	0	0	0	0	0	0	0	1,975
2008 Parks Levy Fund	5,876	628	0	0	0	0	0	0	6,504
<b>Total*:</b>	7,851	628	0	0	0	0	0	0	8,479
<b>O &amp; M Costs (Savings)</b>			12	12	12	12	13	13	74
<b>Spending Plan by Fund</b>									
2000 Parks Levy Fund		0	0	0	0	0	0	0	0
2008 Parks Levy Fund		0	628	0	0	0	0	0	628
<b>Total:</b>		0	628	0	0	0	0	0	628

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Opportunity Fund Development- 2008 Parks Levy**

<b>BCL/Program Name:</b>	Opportunity Fund	<b>BCL/Program Code:</b>	K720041
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K730041	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

The project provides a contingency for Opportunity Fund projects on a case-by-case basis, subject to Department recommendations. General costs applicable to all projects, such as interest on borrowed funds, may be paid from this project. Specific projects will be authorized and funded through separate legislative action. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	1	18	0	0	0	0	0	0	19
King County Voter-Approved Levy	0	0	0	0	0	0	0	0	0
<b>Total:</b>	1	18	0	0	0	0	0	0	19
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	1	18	0	0	0	0	0	0	19
2013 King County Parks Levy	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	1	18	0	0	0	0	0	0	19
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		10	8	0	0	0	0	0	18
2013 King County Parks Levy		0	0	0	0	0	0	0	0
<b>Total:</b>		10	8	0	0	0	0	0	18

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Park Acquisition and Development

<b>BCL/Program Name:</b>	Citywide and Neighborhood Projects	<b>BCL/Program Code:</b>	K72449
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q4/2015
<b>Project ID:</b>	K732497	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides funding for property acquisition for park purposes using a variety of funding sources. It also provides funding for developing acquired property.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	2	398	0	0	0	0	0	0	400
CRS Misc Revenues	0	2,906	0	0	0	0	0	0	2,906
<b>Total:</b>	2	3,304	0	0	0	0	0	0	3,306
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	2	398	0	0	0	0	0	0	400
Cumulative Reserve Subfund - Unrestricted Subaccount	0	2,906	0	0	0	0	0	0	2,906
<b>Total*:</b>	2	3,304	0	0	0	0	0	0	3,306
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		398	0	0	0	0	0	0	398
Cumulative Reserve Subfund - Unrestricted Subaccount		195	2,711	0	0	0	0	0	2,906
<b>Total:</b>		593	2,711	0	0	0	0	0	3,304

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Park Land Acquisition and Leverage Fund

<b>BCL/Program Name:</b>	Building For The Future - CIP	<b>BCL/Program Code:</b>	K720302
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	K730306	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides funds for land acquisition, leveraging capital projects, pre-acquisition activities (including planning, title searches, appraisals, negotiations, and community involvement), associated with acquisitions of specified real property, and related work. The project also serves as a match to leverage other funding sources such as King County Conservation Futures. The City is growing and there is a need to add parkland to meet park and open space goals and improve the quality of life for Seattle residents. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
King County Funds	0	0	1,500	1,500	1,500	0	0	0	4,500
Seattle Park District Revenues	0	2,000	2,050	2,101	2,154	2,208	2,263	2,320	15,096
<b>Total:</b>	0	2,000	3,550	3,601	3,654	2,208	2,263	2,320	19,596
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	0	0	1,500	1,500	1,500	0	0	0	4,500
Parks Capital Fund	0	2,000	2,050	2,101	2,154	2,208	2,263	2,320	15,096
<b>Total*:</b>	0	2,000	3,550	3,601	3,654	2,208	2,263	2,320	19,596
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount		0	1,500	1,500	1,500	0	0	0	4,500
Parks Capital Fund		1,726	2,050	2,000	2,300	2,200	2,200	2,620	15,096
<b>Total:</b>		1,726	3,550	3,500	3,800	2,200	2,200	2,620	19,596

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Parks Central Waterfront Piers Rehabilitation**

<b>BCL/Program Name:</b>	Docks/Piers/Floats/Seawalls/Shorelines	<b>BCL/Program Code:</b>	K72447
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K732493	<b>End Date:</b>	TBD
<b>Location:</b>	Alaskan Way		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

The Waterfront Park and Pier 62/63 are public park facilities that provide public access to Elliott Bay and host a range of public events, markets and performances. Both piers need a full seismic upgrade to meet current life safety codes, and Waterfront Park needs significant access improvements. Waterfront Park is envisioned as a flexible public recreation and open space. Pier 62/63 is anticipated to be more heavily programmed, with a flexible activity rink, events, and performances. The Department of Parks and Recreation (DPR) owns the piers, but the Office of the Waterfront will lead the rehabilitation. The Pier 62/63 Phase 1 Rebuild will be the first element completed in this project, with construction anticipated to begin in 2017. This project is part of the overall waterfront improvement program.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	1,500	470	10,150	1,200	0	20	0	13,340
State Grant Funds	0	0	150	450	0	0	0	0	600
Street Vacations -CRSU	0	1,000	0	0	0	0	0	0	1,000
Interfund Loan	0	2,147	0	0	0	0	0	0	2,147
Private Funding/Donations	0	0	500	2,700	9,220	9,320	15,070	4,750	41,560
Street Vacations -CRSU	0	0	0	0	0	0	0	0	0
Seawall Levy	0	0	0	0	0	0	0	0	0
Local Improvement District Bonds	0	0	0	0	7,094	17,730	3,330	1,000	29,154
Street Use Fees	0	0	550	0	0	0	0	0	550
Seawall Levy	0	400	1,053	1,850	0	0	0	0	3,303
Seattle Park District Revenues	0	0	0	0	1,102	3,252	0	0	4,354
<b>Total:</b>	0	5,047	2,723	15,150	18,616	30,302	18,420	5,750	96,008
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	1,500	470	10,150	1,200	0	20	0	13,340
Cumulative Reserve Subfund - Unrestricted Subaccount	0	1,000	150	450	0	0	0	0	1,600
Central Waterfront Improvement Fund	0	2,147	1,050	2,700	16,314	27,050	18,400	5,750	73,411
Alaskan Way Seawall Construction Fund	0	400	1,053	1,850	0	0	0	0	3,303
Parks Capital Fund	0	0	0	0	1,102	3,252	0	0	4,354
<b>Total*:</b>	0	5,047	2,723	15,150	18,616	30,302	18,420	5,750	96,008
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Parks Maintenance Facility Acquisition - Debt Service

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	K73502	<b>End Date:</b>	Q4/2022
<b>Location:</b>	4201 W Marginal Wy SW		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project funds debt service payments on 20-year bonds issued in 2002 to pay for the acquisition of the Westbridge Building, a facility that replaced the Department's primary maintenance facility at Roy Street. The replacement of the Roy Street facility assures a safe and efficient location for the Department's professional trades and a portion of the maintenance crews and management staff.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	5,202	564	562	561	559	555	555	556	9,114
City Light Fund Revenues	576	1	0	0	0	0	0	0	577
Concession Revenues	40	0	0	0	0	0	0	0	40
City Light Fund Revenues	0	0	0	0	0	0	0	0	0
General Obligation Bonds	39	0	0	0	0	0	0	0	39
<b>Total:</b>	<b>5,857</b>	<b>565</b>	<b>562</b>	<b>561</b>	<b>559</b>	<b>555</b>	<b>555</b>	<b>556</b>	<b>9,770</b>
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	5,202	564	562	561	559	555	555	556	9,114
Cumulative Reserve Subfund - Unrestricted Subaccount	576	1	0	0	0	0	0	0	577
Parks and Recreation Fund	40	0	0	0	0	0	0	0	40
Parks 2002 Capital Facilities Bond Fund	39	0	0	0	0	0	0	0	39
<b>Total*:</b>	<b>5,857</b>	<b>565</b>	<b>562</b>	<b>561</b>	<b>559</b>	<b>555</b>	<b>555</b>	<b>556</b>	<b>9,770</b>
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Parks Upgrade Program

<b>BCL/Program Name:</b>	Parks Infrastructure	<b>BCL/Program Code:</b>	K72441
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732422	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program provides minor capital improvements to low-income area parks throughout the City. Conservation Corps Program staff perform this work, providing training opportunities for low-income, homeless, and other at-risk community members. Program elements include provision of ADA improvements to parks and park restrooms, accessible drinking fountain installation, basketball court construction, bench and picnic table installation, tree purchase and planting, and other small-scale capital projects. Funding is also targeted to projects that can be integrated with other community-identified amenities. This project was formerly project number K73861. A new project number has been created for this project to comply with new accounting procedures, therefore life to date amounts do not appear in the table below. For 2013-2014, this program is funded with federal Community Development Block Grant funds.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,524	0	0	0	0	0	0	0	1,524
Federal Community Development Block Grant	2,072	860	808	808	808	808	808	808	7,780
<b>Total:</b>	3,596	860	808	808	808	808	808	808	9,304
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,524	0	0	0	0	0	0	0	1,524
Community Development Block Grant Fund	2,072	860	808	808	808	808	808	808	7,780
<b>Total*:</b>	3,596	860	808	808	808	808	808	808	9,304
<b>O &amp; M Costs (Savings)</b>			44	44	45	45	46	46	270

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

Pavement Restoration Program

<b>BCL/Program Name:</b>	Parks Infrastructure	<b>BCL/Program Code:</b>	K72441
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732418	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project funds various project activities, including, but not limited to, seal-coats to new pavement to extend its lifespan, pavement patching, sub-grade repairs, overlays to small areas, and repairs associated with pavement failures (e.g., heaving, sinking, cracking, and root invasion.) Improvements reduce damage to asphalt, lengthen pavement lifespan, and reduce safety hazards such as uneven pavement. This project was formerly project number K3512. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	610	78	400	400	400	400	400	400	3,088
Real Estate Excise Tax I	358	655	0	0	0	0	0	0	1,013
Federal Grant Funds	651	58	0	0	0	0	0	0	709
Miscellaneous Grants or Donations	42	28	0	0	0	0	0	0	70
<b>Total:</b>	1,661	819	400	400	400	400	400	400	4,880
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	610	78	400	400	400	400	400	400	3,088
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	358	655	0	0	0	0	0	0	1,013
Cumulative Reserve Subfund - Unrestricted Subaccount	693	86	0	0	0	0	0	0	779
<b>Total*:</b>	1,661	819	400	400	400	400	400	400	4,880
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Play Area Renovations

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K732468	<b>End Date:</b>	TBD
<b>Location:</b>			
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project renovates a number of play areas in the park system. Improvements may include equipment replacement, ADA access, surfacing and containment renovation, and related elements. The sites will be determined each year using the Play Area Inventory and Assessment report.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund Revenues	0	60	0	0	0	0	0	0	60
Real Estate Excise Tax II	0	488	0	0	0	1,000	1,000	1,000	3,488
King County Voter-Approved Levy	2	950	1,000	1,000	1,000	0	0	0	3,952
<b>Total:</b>	2	1,498	1,000	1,000	1,000	1,000	1,000	1,000	7,500
<b>Fund Appropriations/Allocations</b>									
General Subfund	0	60	0	0	0	0	0	0	60
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	488	0	0	0	1,000	1,000	1,000	3,488
2013 King County Parks Levy	2	950	1,000	1,000	1,000	0	0	0	3,952
<b>Total*:</b>	2	1,498	1,000	1,000	1,000	1,000	1,000	1,000	7,500
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Play Area Safety Program

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732403	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program renovates play areas, makes ADA improvements, installs safety upgrades, and performs other related work. The program focuses on addressing safety issues at two to four play areas per year. Primarily, the program is focused on installing proper safety surfacing at children's play areas throughout the parks system. Future funding for this program depends on specific projects and available resources, including grants. This program extends the useful life and improves the safety of the play areas. This project was formerly project number K732218. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	440	0	150	150	150	150	150	150	1,340
Real Estate Excise Tax I	233	175	0	0	0	0	0	0	408
<b>Total:</b>	673	175	150	150	150	150	150	150	1,748
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	440	0	150	150	150	150	150	150	1,340
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	233	175	0	0	0	0	0	0	408
<b>Total*:</b>	673	175	150	150	150	150	150	150	1,748
<b>O &amp; M Costs (Savings)</b>			18	18	19	19	20	20	114

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Puget Park - Environmental Remediation**

<b>BCL/Program Name:</b>	Debt and Special Funding	<b>BCL/Program Code:</b>	K72440
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1997
<b>Project ID:</b>	K73127	<b>End Date:</b>	TBD
<b>Location:</b>	1900 SW Dawson St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Delridge	<b>Urban Village:</b>	Not in an Urban Village

This project funds a cleanup action on a portion of Puget Park and on an adjacent related parcel, with participation by four parties involved in the original contamination. The City negotiated a settlement agreement with all parties for funding cleanup costs incurred in the past, as well as future site mitigation costs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Private Funding/Donations	0	305	0	0	0	0	0	0	305
General Subfund Revenues	21	0	0	0	0	0	0	0	21
Private Funding/Donations	204	0	0	0	0	0	0	0	204
<b>Total:</b>	225	305	0	0	0	0	0	0	530
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	0	305	0	0	0	0	0	0	305
Emergency Subfund	21	0	0	0	0	0	0	0	21
Parks and Recreation Fund	204	0	0	0	0	0	0	0	204
<b>Total*:</b>	225	305	0	0	0	0	0	0	530
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount		10	10	10	10	10	250	5	305
Emergency Subfund		0	0	0	0	0	0	0	0
Parks and Recreation Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		10	10	10	10	10	250	5	305

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Queen Anne Bowl Playfield Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	K732470	<b>End Date:</b>	TBD
<b>Location:</b>	2806 3rd AVE W		
<b>Neighborhood Plan:</b>	Queen Anne	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the synthetic turf field surfacing (60,000 square feet) which was installed in 2007, and is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, LaCrosse, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	1,120	0	0	0	1,120
<b>Total:</b>	0	0	0	0	1,120	0	0	0	1,120
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Rejuvenate Our P-Patches

<b>BCL/Program Name:</b>	Maintaining Parks and Facilities - CIP	<b>BCL/Program Code:</b>	K720301
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730305	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project revitalizes the City's 82 P-Patch Community Gardens. Typical projects will improve the paths, improve the planting beds and common areas, improve Americans with Disabilities (ADA) access, update aging infrastructure, and related work. The first P-Patch was constructed in 1973, and more have been added in the past 40 years. The individual projects will address safety and code requirements, extend the life of the asset, improve accessibility, and contribute to better air quality. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	24	276	205	210	215	231	237	243	1,641
<b>Total:</b>	24	276	205	210	215	231	237	243	1,641
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	24	276	205	210	215	231	237	243	1,641
<b>Total*:</b>	24	276	205	210	215	231	237	243	1,641
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Roof & Building Envelope Program**

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732420	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project funds architectural, engineering and other studies of the Department's buildings (roofs, structure and other related infrastructure); associated cost estimating; related staff and consultant support for developing and prioritizing projects within the Department's Asset Management Plan; and implements the replacement or renovation of buildings and roofs throughout the park system, including those at comfort stations, picnic shelters, community centers, and small roof sections of larger buildings.

This project extends the useful life of the buildings and roofs; assures that the facilities are protected against damage from roof and wall leaks; and assures that general building issues are addressed in the Asset Management Plan.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	984	0	350	350	350	350	350	350	3,084
Real Estate Excise Tax I	418	554	0	0	0	0	0	0	972
<b>Total:</b>	1,402	554	350	350	350	350	350	350	4,056
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	984	0	350	350	350	350	350	350	3,084
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	418	554	0	0	0	0	0	0	972
<b>Total*:</b>	1,402	554	350	350	350	350	350	350	4,056
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Saving our City Forests

<b>BCL/Program Name:</b>	Fix It First - CIP	<b>BCL/Program Code:</b>	K720300
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730302	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project restores and maintains Seattle's 2,500 acres of urban forests. Seattle's trees are aging and inundated with invasive plants, including English ivy, Himalayan blackberry, Scot's broom, and knotweed. This project expands Parks' capacity to restore forest land, and to provide the ongoing monitoring and maintenance work necessary to keep restored areas from being overrun by invasive plants. A healthy urban forest contributes significantly to the health of the environment by cleaning air and water, filtering and retaining storm water, and providing a respite from the built environment. This project is part of the Metropolitan Parks District measure put before voters in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Park District Revenues	353	2,198	2,251	2,308	2,365	2,425	2,486	2,548	16,934
<b>Total:</b>	353	2,198	2,251	2,308	2,365	2,425	2,486	2,548	16,934
<b>Fund Appropriations/Allocations</b>									
Parks Capital Fund	353	2,198	2,251	2,308	2,365	2,425	2,486	2,548	16,934
<b>Total*:</b>	353	2,198	2,251	2,308	2,365	2,425	2,486	2,548	16,934
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Seattle Asian Art Museum Renovation

<b>BCL/Program Name:</b>	2008 Parks Levy- Cultural Facilities	<b>BCL/Program Code:</b>	K720021
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	TBD
<b>Project ID:</b>	K730122	<b>End Date:</b>	TBD
<b>Location:</b>	1400 Prospect ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Not in an Urban Village

This project provides 2008 Parks Levy funds to support the renovation of the city-owned Seattle Asian Art Museum in Volunteer Park in partnership with the Seattle Art Museum. Levy funds, which are anticipated to cover approximately 40 percent of the total renovation costs, will not be released until future Council action by ordinance.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	3,800	1,750	0	0	0	0	5,550
Real Estate Excise Tax I	0	0	10,200	3,250	0	0	0	0	13,450
Seattle Voter-Approved Levy	0	0	0	0	0	0	0	0	0
<b>Total:</b>	0	0	14,000	5,000	0	0	0	0	19,000
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	3,800	1,750	0	0	0	0	5,550
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	10,200	3,250	0	0	0	0	13,450
2008 Parks Levy Fund	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	14,000	5,000	0	0	0	0	19,000
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Seattle Asian Art Museum Restoration

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q4/2007
<b>Project ID:</b>	K732369	<b>End Date:</b>	TBD
<b>Location:</b>	1400 E Prospect ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Not in an Urban Village

This project funds initial planning and design work for mechanical, electrical, seismic, and other improvements to the Seattle Asian Art Museum (SAAM), which is a City-owned building located in Volunteer Park originally constructed in 1933. In 2007, the Seattle Art Museum (SAM), which operates SAAM, completed a study which identified improvements needed to update the building's climate control infrastructure and improve its seismic and fire/life safety features.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	600	0	0	0	0	0	0	0	600
Real Estate Excise Tax I	366	976	0	0	0	0	0	0	1,342
Property Sales and Interest Earnings	147	12	0	0	0	0	0	0	159
<b>Total:</b>	1,113	988	0	0	0	0	0	0	2,101

<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	600	0	0	0	0	0	0	0	600
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	366	976	0	0	0	0	0	0	1,342
Cumulative Reserve Subfund - Unrestricted Subaccount	147	12	0	0	0	0	0	0	159
<b>Total*:</b>	1,113	988	0	0	0	0	0	0	2,101

**O & M Costs (Savings)** 0    0    0    0    0    0    0    0    0

<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		276	400	300	0	0	0	0	976
Cumulative Reserve Subfund - Unrestricted Subaccount		12	0	0	0	0	0	0	12
<b>Total:</b>		288	400	300	0	0	0	0	988

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Seward Park Forest Restoration**

<b>BCL/Program Name:</b>	Forest Restoration	<b>BCL/Program Code:</b>	K72442
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	K732367	<b>End Date:</b>	Q4/2018
<b>Location:</b>	5900 Lake Washington Blvd S		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Southeast	<b>Urban Village:</b>	Not in an Urban Village

This project provides for the restoration of old growth forest in Seward Park as part of the Green Seattle Partnership. The restoration work will be guided by the established vegetation management plan for Seward Park. This additional work is being funded by a private donation of \$1 million. The donation will be made to the Seattle Foundation over the course of 3 to 4 years and dispersed to Parks over a period of 10 to 11 years.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Miscellaneous Grants or Donations	847	119	88	90	0	0	0	0	1,144
<b>Total:</b>	847	119	88	90	0	0	0	0	1,144
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	847	119	88	90	0	0	0	0	1,144
<b>Total*:</b>	847	119	88	90	0	0	0	0	1,144
<b>O &amp; M Costs (Savings)</b>			12	12	12	12	12	12	72

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Smith Cove Park Development

<b>BCL/Program Name:</b>	Building For The Future - CIP	<b>BCL/Program Code:</b>	K720302
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730311	<b>End Date:</b>	Q4/2019
<b>Location:</b>	W Galer ST/23rd AVE W		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Not in an Urban Village

This project, funded by the MPD, develops the 4.9 acre waterfront portion of Smith Cove Park located just west of Pier 91 on Elliott Bay. The park will be developed following a planning and design process for the site. These amenities may include paths, landscaping, waterfront access points, a play area, and related improvements. Some improvements will also be made to the existing part of Smith Cove Park (west of this site), currently used for sports such as soccer. The improved park will provide waterfront access and ADA accessibility; provide enhanced opportunities for active recreation, increase environmental-sensitivity, and make the park inviting and usable for more people.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	13	17	0	0	0	0	0	0	30
To be determined	0	0	0	0	0	0	0	0	0
Interfund Loan	0	550	0	2,106	1,253	0	0	0	3,909
Seattle Park District Revenues	0	0	697	697	697	0	0	0	2,091
<b>Total:</b>	13	567	697	2,803	1,950	0	0	0	6,030
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	13	17	0	0	0	0	0	0	30
Parks Capital Fund	0	550	697	2,803	1,950	0	0	0	6,000
<b>Total*:</b>	13	567	697	2,803	1,950	0	0	0	6,030
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		17	0	0	0	0	0	0	17
Parks Capital Fund		406	744	2,900	1,950	0	0	0	6,000
<b>Total:</b>		423	744	2,900	1,950	0	0	0	6,017

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Tennis & Basketball Court Renovation Program**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732404	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project renovates tennis and basketball courts throughout the City. The program focuses on crack repair, color coating, providing new posts, standards, and nets, and completing less expensive repairs. Between one and three courts are renovated each year that are selected based on user complaints and staff evaluation of conditions. The Tennis Committee of the Seattle Sports Advisory Committee reviews the proposed project list and helps prioritize court repairs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	250	0	100	100	100	100	100	100	850
Real Estate Excise Tax I	45	0	0	0	0	0	0	0	45
King County Funds	6	0	0	0	0	0	0	0	6
<b>Total:</b>	301	0	100	100	100	100	100	100	901
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	250	0	100	100	100	100	100	100	850
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	45	0	0	0	0	0	0	0	45
Cumulative Reserve Subfund - Unrestricted Subaccount	6	0	0	0	0	0	0	0	6
<b>Total*:</b>	301	0	100	100	100	100	100	100	901
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Trails Renovation Program

<b>BCL/Program Name:</b>	Citywide and Neighborhood Projects	<b>BCL/Program Code:</b>	K72449
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732419	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project implements a comprehensive trail renovation strategy. Funding addresses trail failures throughout the park system to correct safety problems, prevent further erosion and deterioration, and perform other related work. The project leverages community support by providing technical assistance, training, and materials to district staff and volunteers who are engaged in other trail-related projects. This project was formerly project number K73513. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	650	0	350	350	350	350	350	350	2,750
Real Estate Excise Tax I	1,282	361	0	0	0	0	0	0	1,643
<b>Total:</b>	1,932	361	350	350	350	350	350	350	4,393
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	650	0	350	350	350	350	350	350	2,750
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,282	361	0	0	0	0	0	0	1,643
<b>Total*:</b>	1,932	361	350	350	350	350	350	350	4,393
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

Urban Forestry - Forest Restoration Program

<b>BCL/Program Name:</b>	Forest Restoration	<b>BCL/Program Code:</b>	K72442
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	K732410	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This program develops forest and vegetation management plans, implements restoration projects at sites throughout the City's park system, removes hazardous trees, and performs other related work. Restoration projects, with much of the work being performed by citizen volunteers, may include removal of invasive plants, such as English ivy and Himalayan blackberry, followed by replanting with native plants. Future funding for this program depends on available resources. This project enhances Seattle's urban forest and supports the Green Seattle Partnership to increase overall City tree canopy and the Restore Our Waters Strategy to improve Seattle's aquatic environments. This project was formerly project number K732410. A new project number has been created for this project to comply with new accounting procedures, therefore life to date and 2009 revised dollar amounts do not appear in the table below.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	684	20	200	200	200	200	200	200	1,904
Real Estate Excise Tax I	259	327	0	0	0	0	0	0	586
<b>Total:</b>	943	347	200	200	200	200	200	200	2,490
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	684	20	200	200	200	200	200	200	1,904
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	259	327	0	0	0	0	0	0	586
<b>Total*:</b>	943	347	200	200	200	200	200	200	2,490
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Urban Forestry - Green Seattle Partnership

<b>BCL/Program Name:</b>	Forest Restoration	<b>BCL/Program Code:</b>	K72442
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732340	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project is a collaborative effort between the City of Seattle and the Cascade Land Conservancy to restore 2,500 acres of forested park lands in Seattle by 2025. Restoration for each acre occurs over a three-year period and includes clearing invasive plants, replanting the area with native plants, caring for the plants through establishment, and other related work. This project supports the Green Seattle initiative.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	3,191	0	1,700	1,700	1,700	1,700	1,700	1,700	13,391
Real Estate Excise Tax I	4,852	2,403	0	0	0	0	0	0	7,255
King County Funds	140	0	0	0	0	0	0	0	140
<b>Total:</b>	8,183	2,403	1,700	1,700	1,700	1,700	1,700	1,700	20,786
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	3,191	0	1,700	1,700	1,700	1,700	1,700	1,700	13,391
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	4,852	2,403	0	0	0	0	0	0	7,255
Cumulative Reserve Subfund - Unrestricted Subaccount	140	0	0	0	0	0	0	0	140
<b>Total*:</b>	8,183	2,403	1,700	1,700	1,700	1,700	1,700	1,700	20,786
<b>O &amp; M Costs (Savings)</b>			410	418	426	435	447	460	2,596

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Urban Forestry - Tree Replacement

<b>BCL/Program Name:</b>	Forest Restoration	<b>BCL/Program Code:</b>	K72442
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	K732339	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces each tree removed from developed park land and boulevards with two new trees. The Department typically removes approximately 500 trees per year. This project increases the City's tree canopy and supports the Green Seattle initiative.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,089	1	95	95	95	95	95	95	1,660
Real Estate Excise Tax I	112	128	0	0	0	0	0	0	240
Miscellaneous Grants or Donations	41	0	0	0	0	0	0	0	41
<b>Total:</b>	1,242	129	95	95	95	95	95	95	1,941
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,089	1	95	95	95	95	95	95	1,660
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	112	128	0	0	0	0	0	0	240
Cumulative Reserve Subfund - Unrestricted Subaccount	41	0	0	0	0	0	0	0	41
<b>Total*:</b>	1,242	129	95	95	95	95	95	95	1,941
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

Utility Conservation Program

<b>BCL/Program Name:</b>	Building Component Renovations	<b>BCL/Program Code:</b>	K72444
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q2/2007
<b>Project ID:</b>	K732336	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project implements energy conservation projects in collaboration with Seattle City Light, Seattle Public Utilities, and Puget Sound Energy. Projects may include lighting, heating, and water use renovations at various facilities throughout the Parks system. These projects result in energy savings and better air and water quality, and support the Climate Protection Initiative by reducing greenhouse gas emissions. The cost of these projects is expected to be recovered within approximately five years through reduced utility costs and rebates from the three utilities. Rebates and other additional resources will be pursued to fund future conservation projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund Revenues	111	0	0	0	0	0	0	0	111
Real Estate Excise Tax II	1,318	0	250	250	250	250	250	250	2,818
Real Estate Excise Tax I	1,768	250	0	0	0	0	0	0	2,018
Miscellaneous Grants or Donations	841	400	105	105	105	105	105	105	1,871
<b>Total:</b>	4,038	650	355	355	355	355	355	355	6,818
<b>Fund Appropriations/Allocations</b>									
General Subfund	111	0	0	0	0	0	0	0	111
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,318	0	250	250	250	250	250	250	2,818
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,768	250	0	0	0	0	0	0	2,018
Cumulative Reserve Subfund - Unrestricted Subaccount	841	400	105	105	105	105	105	105	1,871
<b>Total*:</b>	4,038	650	355	355	355	355	355	355	6,818
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
General Subfund		0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		0	250	250	250	250	250	250	1,500
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		250	0	0	0	0	0	0	250
Cumulative Reserve Subfund - Unrestricted Subaccount		250	255	105	105	105	105	105	1,030
<b>Total:</b>		500	505	355	355	355	355	355	2,780

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

**Victor Steinbrueck Park Renovation**

<b>BCL/Program Name:</b>	2008 Parks Levy- Neighborhood Parks and Playgrounds	<b>BCL/Program Code:</b>	K720020
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	K730115	<b>End Date:</b>	Q2/2019
<b>Location:</b>	2001 Western AVE		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project renovates the existing Victor Steinbrueck Park to help revitalize this park located in the Pike Place Market. Renovations may include new seating, paths and circulation modifications, landscaping, lighting, signage, and related elements. This park is within the boundaries of the Pike Place Historical District. This project is part of the 2008 Parks Levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	26	1,574	0	0	0	0	0	0	1,600
<b>Total:</b>	26	1,574	0	0	0	0	0	0	1,600
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	26	1,574	0	0	0	0	0	0	1,600
<b>Total*:</b>	26	1,574	0	0	0	0	0	0	1,600
<b>O &amp; M Costs (Savings)</b>			10	10	11	12	13	14	70
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		74	300	200	1,000	0	0	0	1,574
<b>Total:</b>		74	300	200	1,000	0	0	0	1,574

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Victor Steinbrueck Parking Envelope

<b>BCL/Program Name:</b>	Parks Infrastructure	<b>BCL/Program Code:</b>	K72441
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	K732500	<b>End Date:</b>	Q3/2019
<b>Location:</b>	2001 Western Ave		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project will replace the existing membrane between the westerly portion of Victor Steinbrueck Park and the Unico parking garage below, and other related items. The membrane is a waterproofing layer that keeps stormwater and irrigation that falls on the park from entering the garage below and damaging the concrete structure. The membrane was installed in 1981 when the park was originally constructed on top of the parking garage. These membranes typically last no more than 30 years; the existing membrane has failed and no longer prevents water from entering the garage below. The membrane replacement requires the removal and subsequent replacement of all the park improvements above and the installation of a new drainage system. The new membrane will provide a waterproofed foundation for the associated park renovation project.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	500	3,000	1,500	0	0	0	5,000
<b>Total:</b>	0	0	500	3,000	1,500	0	0	0	5,000
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	500	3,000	1,500	0	0	0	5,000
<b>Total*:</b>	0	0	500	3,000	1,500	0	0	0	5,000
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Walt Hundley PF Synthetic Turf Replacement

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2021
<b>Project ID:</b>	k732496	<b>End Date:</b>	Q4/2021
<b>Location:</b>	6920 34th AVE SW		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	Not in an Urban Village

This project, funded with Metropolitan Park District Major Maintenance funds, replaces the 79,200 square foot synthetic turf field surfacing which was installed in 2011, and performs related work. The surfacing material is near the end of its lifecycle. This improvement allows the continued use and scheduling of the playfield for soccer, baseball, and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	0	1,713	0	1,713
<b>Total:</b>	0	0	0	0	0	0	1,713	0	1,713
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

### Washington Park Arboretum Trail Development

<b>BCL/Program Name:</b>	SR520 Mitigation	<b>BCL/Program Code:</b>	K72451
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q2/2013
<b>Project ID:</b>	K732473	<b>End Date:</b>	Q4/2016
<b>Location:</b>	2300 Arboretum DR E		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Not in an Urban Village

This project, funded with the first phase of State Route 520 Arboretum mitigation projects funds, develops a one mile multi-use trail for bicycle and pedestrian access that connects East Madison Street to the Montlake and University of Washington neighborhoods. Project elements also include improvements to the Azalea Way Pond, parts of Arboretum Creek, and Foster Island. These mitigation projects will improve bicycle and pedestrian safety, and begin the restoration process of water features and selected shoreline areas within the Arboretum to enhance the health of its ecosystem.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
State Interlocal Revenues	1,139	6,671	0	0	0	0	0	0	7,810
<b>Total:</b>	1,139	6,671	0	0	0	0	0	0	7,810
<b>Fund Appropriations/Allocations</b>									
Park Mitigation and Remediation Fund	1,139	6,671	0	0	0	0	0	0	7,810
<b>Total*:</b>	1,139	6,671	0	0	0	0	0	0	7,810
<b>O &amp; M Costs (Savings)</b>			86	87	88	90	92	95	538
<b>Spending Plan by Fund</b>									
Park Mitigation and Remediation Fund		3,000	3,000	671	0	0	0	0	6,671
<b>Total:</b>		3,000	3,000	671	0	0	0	0	6,671

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### 2017 - 2022 Proposed Capital Improvement Program

## Department of Parks and Recreation

**Washington Park PF Synthetic Turf Replacement**

<b>BCL/Program Name:</b>	Ballfields/Athletic Courts/Play Areas	<b>BCL/Program Code:</b>	K72445
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2022
<b>Project ID:</b>	K732503	<b>End Date:</b>	Q4/2022
<b>Location:</b>	2500 Lake Washington Blvd E		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the 110,000 square foot synthetic turf field surfacing which was installed in 2012, and performs related work. The surfacing material is near the end of its lifecycle, and needs to be replaced. This improvement allows the continued use and scheduling of the playfield for soccer and other activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	0	0	0	0	0	0	0
To be determined	0	0	0	0	0	0	0	2,498	2,498
<b>Total:</b>	0	0	0	0	0	0	0	2,498	2,498
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

Yesler Terrace Neighborhood Park Development

<b>BCL/Program Name:</b>	Opportunity Fund	<b>BCL/Program Code:</b>	K720041
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730203	<b>End Date:</b>	Q3/2018
<b>Location:</b>	835 Yesler WAY		
<b>Neighborhood Plan:</b>	First Hill	<b>Council District:</b>	2
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	First Hill

This project develops a new Neighborhood Park in the Yesler Terrace community. This project is part of the 2008 Parks Levy using funds reallocated from Neighborhood Park Acquisitions.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Seattle Voter-Approved Levy	0	2,600	0	0	0	0	0	0	2,600
Private Funding/Donations	0	1,130	0	0	0	0	0	0	1,130
State Grant Funds	0	500	0	0	0	0	0	0	500
<b>Total:</b>	0	4,230	0	0	0	0	0	0	4,230
<b>Fund Appropriations/Allocations</b>									
2008 Parks Levy Fund	0	4,230	0	0	0	0	0	0	4,230
<b>Total*:</b>	0	4,230	0	0	0	0	0	0	4,230
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
2008 Parks Levy Fund		130	2,100	2,000	0	0	0	0	4,230
<b>Total:</b>		130	2,100	2,000	0	0	0	0	4,230

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**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### Zoo Major Maintenance

<b>BCL/Program Name:</b>	Fix It First - CIP	<b>BCL/Program Code:</b>	K720300
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	K730304	<b>End Date:</b>	ONGOING
<b>Location:</b>	601 N 59TH ST		
<b>Neighborhood Plan:</b>	Greenwood/Phinney	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project preserves the Zoo facilities to enable it to operate efficiently, and to offer a world-class experience to the patrons. Typical projects include exhibit renovation or replacement, water, electrical, irrigation, and sewer systems replacement, energy efficient improvements, pavement and grounds restoration, Americans with Disabilities (ADA) access improvements, and related work. The oldest buildings at the Zoo were constructed in the 1930s and others have been built in subsequent decades. The individual projects will address health and safety codes, extend the life of the asset, improve access for all, reduce energy costs, and improve the overall Zoo experience for the public. This project is part of the Metropolitan Parks District measure put before voters in 2014.

		LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>										
Seattle Park District Revenues		476	1,824	1,845	1,891	1,938	1,987	2,037	2,088	14,086
<b>Total:</b>		476	1,824	1,845	1,891	1,938	1,987	2,037	2,088	14,086
<b>Fund Appropriations/Allocations</b>										
Parks Capital Fund		476	1,824	1,845	1,891	1,938	1,987	2,037	2,088	14,086
<b>Total*:</b>		476	1,824	1,845	1,891	1,938	1,987	2,037	2,088	14,086
<b>O &amp; M Costs (Savings)</b>				0	0	0	0	0	0	0

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### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Center

### Overview

The place that we know today as Seattle Center has a long history as a gathering place for our city and region. It's where Native American tribes gathered for talk, ceremony and celebration. In the 1920s a civic campus was created with the construction of the Civic Auditorium, Civic Ice Arena and Civic Field, with Mayor Bertha Landes presiding over the ground breaking in 1927. In the 1930s the Washington State Armory (later called Center House and renamed the Armory in 2012) was built. Memorial Stadium was constructed in the 1940s. In the late 1950s and early 1960s the site for the 1962 Seattle World's Fair was created, expanding the size of the campus to roughly what we know today. One result of this long history as a gathering place is an aging infrastructure. Some facilities have been significantly renovated (e.g., Civic Auditorium into the Opera House for the World's Fair, and into McCaw Hall in 2003), while others remain in need of major renovation and redevelopment (e.g., the Armory and Memorial Stadium).

Today, Seattle Center is a 74-acre campus in the middle of the city. It is the largest visitor destination in Washington state, attracting an estimated 12 million visits each year to arts, sporting, educational and cultural events and festivals, and to enjoy the grounds and open spaces. There are 24 buildings and three parking garages on the campus. Seattle Center is also a major urban park with lawns, gardens, fountains, a skatepark, a children's play area and a variety of plazas and open spaces. The Seattle Center Monorail runs between the Seattle Center campus and downtown Seattle. The City owns the Monorail, which is operated by Seattle Monorail Services on behalf of the City. The Space Needle, the Pacific Science Center, the EMP Museum, the Chihuly Garden and Glass Exhibition, and Seattle Public Schools' Memorial Stadium and an adjacent parking lot are also part of the campus, but are privately owned and operated. The City's 2003 Asset Preservation Study valued Seattle Center's capital assets at \$777 million. This valuation does not include the Monorail, Mercer Arena or the Blue Spruce Building (all were thought to be going away at the time of the study). The valuation also does not include the Fifth Avenue Parking Garage, which was completed in 2008.

Seattle Center's Capital Improvement Plan (CIP) is at the heart of the Center's purpose – “to create exceptional events, experiences and environments that delight and inspire the human spirit to build stronger communities.” The Center's CIP repairs, renews and redevelops the facilities and grounds of the Center in order to provide a safe and welcoming place for millions of annual visitors. Seattle Center's 2016-18 Strategic Business Plan places a strong emphasis on coordinated planning and resource allocation that integrates major maintenance and asset preservation funded in the CIP with regular ongoing facility maintenance funded in the operating budget. In 2015-16, Seattle Center carried out the first phase of a facility condition assessment of the campus to help guide future CIP and operating budget investments in Seattle Center facilities.

Seattle Center's CIP is funded from a variety of revenue sources including Real Estate Excise Tax (REET); the City's General Fund; Seattle Center revenues; voter-approved property tax levies; state, county and federal funds; City-issued LTGO bonds; proceeds from property sales; and private funds. Following the adoption of the Seattle Center Master Plan in 1990, two voter-approved levies raised \$62 million for Seattle Center's redevelopment. This amount in turn leveraged \$500 million in non-City funds, including \$440 million from private sources. In 2017, REET and LTGO bonds are the primary funding sources for Seattle Center's proposed CIP budget.

In 2008, following a two-year community process, the City Council adopted the Seattle Center Century 21 Master Plan. This \$570 million, 20-year plan provides a roadmap for the

### 2017-2022 Proposed Capital Improvement Program

redevelopment of Seattle Center around a set of design and planning principles including increased open space; sustainable design and operations; opening the edges of the campus to the surrounding community; enlivening the campus throughout the day; being pedestrian friendly and accessible to all; and continuing to provide a diversity of programming and attractions for all parts of our community. The plan is expected to be supported, as redevelopment has in the past, by a mix of private and public funding. In addition, Seattle Center is continuing the work of planning for the redevelopment of the northeast quadrant of the campus and potential updates to the master plan.

Seattle Center staff plan and implement capital projects to minimize the impact on events that occur throughout the year, including four major festivals between May and September.

### 2017-22 CIP Highlights

Seattle Center's Proposed 2017-2018 CIP Budget is \$20.4 million over the two-year period. The 2017-18 CIP prioritizes funding to address key findings from the first phase of a facility condition assessment (FCA) of Seattle Center facilities together with other asset preservation needs throughout the campus. Phase one of the FCA included the Armory, KeyArena, Central Plant, and selected campus roofs. The proposed CIP budget includes funding to address needs in each of these areas. In addition, the proposed budget provides funding to carry out phase two of the FCA which, together with phase one, will provide a comprehensive picture of current and future capital needs at Seattle Center. In 2017-18, priority asset preservation investments include:

Armory – Armory renovation work includes repairs to Armory atrium fire sprinklers and emergency generator and replacement of targeted HVAC and theatrical system components. REET I funding in 2017-18 for Armory Rehabilitation is \$1,763,000. In addition, for the costs of Armory food court renovations completed in 2012, Seattle Center will pay debt service of \$382,000 in 2017 and \$383,000 in 2018.

KeyArena – Renovation of KeyArena building systems includes lighting controls, sewage ejectors, fire alarms, and patron seating. In addition to these deficiencies identified in the FCA, funds are allocated in 2017-18 to address client and patron needs, including restrooms and sound, video, and communications systems. Asset preservation investments in KeyArena are overseen by the KeyArena Operating Board. REET I funding for improvements and repairs to KeyArena in 2017-18 is \$2,225,000.

Central Plant – Renovation of campus HVAC infrastructure in 2017-18 includes controls for the boilers and chillers which generate steam for heating and chilled water for cooling for buildings throughout the Seattle Center campus. REET I funding in 2017-18 for campus mechanical and electrical infrastructure is \$1,245,000.

Campus Roofs – In 2018, \$712,000 of REET I funds are allocated for replacement of the Seattle Center Pavilion roof.

Facility Condition Assessment Phase Two – In 2017-18, \$600,000 of REET I funds are allocated to carry out phase two of a comprehensive condition assessment of campus facilities. Phase two FCA priorities include building shells, parking garages, underground steam and chilled water lines, campus grounds and water features, McCaw Hall, and electrical infrastructure. Facility needs identified in the FCA will be funded over the next six or more years.

### 2017-2022 Proposed Capital Improvement Program

International Fountain – In 2017-18, \$470,000 in REET I funding is allocated for the International Fountain, including re-caulking of the fountain bowl and renovation of bowl lighting and animation controls.

McCaw Hall – Annual REET I allocations for McCaw Hall asset preservation are matched 100% by the resident tenants of McCaw Hall, the Seattle Opera and Pacific Northwest Ballet, to carry out the McCaw Hall Capital Renewal Plan, under the direction of the McCaw Hall Operating Board. The total of REET and privately donated funds for McCaw Hall in 2017-18 is \$1,128,000.

Parking Improvements – In 2017-18, \$877,000 in REET I funding is allocated to repairs and improvements within Seattle Center's three parking garages, including concrete and water intrusion repairs, signage improvements and re-striping. Seattle Center's parking garages are critical to the success of the over thirty campus resident organizations and provide an important revenue source to support Seattle Center operations.

Monorail Renovation – In 2017-18, \$2.8 million of Federal Transit Administration grant funds and local matching funds is allocated to continue implementation of the Seattle Center Monorail Capital and Major Maintenance Program (CMMP) Plan for renovation of the monorail trains, guideways and stations.

Seattle Center's 2017-18 CIP also builds on the Seattle Center Century 21 Master Plan to continue planning for the future, with an emphasis on realizing the potential of development opportunities in the northeast quadrant of the campus for the benefit of Seattle Center, the Uptown Urban Center, the city and the entire region. Funding is provided in 2017-18 to continue northeast quadrant planning efforts. Funding is also provided for public benefits and amenities resulting from the redevelopment of the Mercer Arena site, the first major project in the northeast quadrant.

Northeast Quadrant – In 2017-18, \$500,000 of Seattle Center operating fund balance is allocated in each year to continue planning work underway regarding redevelopment opportunities in the northeast quadrant of the campus.

Mercer Arena Site Redevelopment – In 2017, construction begins on the first major northeast quadrant project, the redevelopment of the Mercer Arena site by Seattle Opera to consolidate its administrative, rehearsal and technical support spaces immediately adjacent to McCaw Hall. Seattle Center's CIP includes \$4.8 million in LTGO Bond funding in 2017 for public benefits and amenities associated with this project.

### **Summary of Upcoming Budget Issues and Challenges**

The biggest challenges facing Seattle Center's CIP are aging infrastructure, lack of funding, and an increasingly competitive environment for the sports and entertainment business that provides roughly two-thirds of the revenue which supports Seattle Center. The City's 2003 Asset Preservation Study looked at best practices in the public and private sectors and set an initial annual asset preservation funding target of 1% of the replacement value for buildings and 0.5% for other assets (e.g., grounds and open space). By that calculation, Seattle Center should have been investing \$6.8 million annually in asset preservation (not including the Monorail, Mercer Arena or the Blue Spruce). This \$6.8 million amount in 2003 dollars inflated at 3% per year calculates to roughly \$10 million in 2017 dollars.

### **2017-2022 Proposed Capital Improvement Program**

## Seattle Center

Center's annual allocation of REET and CRS Unrestricted funding has been augmented by bond funds in 2003 (roof replacements and seismic improvements), 2007 (monorail rehabilitation), and 2011 (Armory renovation). The 2003 bonds were repaid with REET funds, the same fund source being used to repay the 2011 Armory bonds. The 2007 monorail bonds are being repaid through CRS Unrestricted funds and federal grant funds. The City also allocated \$8 million from the sale of a Seattle Center surface parking lot to the Bill & Melinda Gates Foundation for capital improvements at Seattle Center, and \$4.7 million from the settlement with the Sonics for capital improvements in KeyArena and elsewhere on the grounds.

Due to economic impacts of the Great Recession, from 2009-12, Seattle Center's annual CRS REET and Unrestricted CIP funding (exclusive of debt service), dropped from \$2.8 million to \$1.0 million per year. Economic recovery has allowed REET funding levels to increase, which is particularly critical for Seattle Center, as the one-time funding sources listed above (land sale to Gates Foundation, KeyArena Settlement Funds and City-issued bonds), are nearly fully expended.

Seattle Center has completed the following projects from the 2008 Century 21 Master Plan: Broad Street Renovation Phase I (2009), new Seattle Center Skatepark (2009), Theater Commons (2010), Campus Signage Renovation (2011), Armory Atrium Renovation (2012), and Artists at Play (2015). The challenge in the coming years is how to fund the remaining vision of the master plan and maintain existing assets.

### Thematic Priorities

The thematic priorities for Seattle Center's 2017-2022 CIP are as follows:

Safety and Security – The safety of Seattle Center visitors and staff is always the first priority. In 2017-18, Seattle Center upgrades fire control and emergency generator systems and repairs hard surface areas to address trip hazards.

Disabled Access – In 2017-18 Seattle Center continues to make progress throughout the campus in improving access for persons with disabilities.

Asset Preservation – In 2017-18, Seattle Center prioritizes funding to address key findings from the first phase of a facility condition assessment (FCA) of Seattle Center facilities. Phase one of the FCA included the Armory, KeyArena, Central Plant, and selected campus roofs. Funding is allocated in 2017-18 to address needs in each of these areas. In addition, funding is provided in 2017-18 to carry out phase two of the FCA to provide a comprehensive picture of current and future capital needs at Seattle Center. Asset preservation work in McCaw Hall and KeyArena continues in 2017-18 and is overseen by the McCaw Hall Operating Board and the KeyArena Operating Board, respectively. Allocation levels for asset preservation in 2019-22 will depend on available resources.

Energy Efficiency and Sustainability – Sustainability is a key principle of the Seattle Center Century 21 Master Plan. In 2017-18, Seattle Center works with the City's Office of Sustainability and Environment on energy saving measures at Seattle Center to make progress on the City's goal to reduce energy use in City facilities by 20% by the year 2020.

Implementation of the Seattle Center Century 21 Master Plan – In 2017-18, Seattle Center focuses planning efforts on redevelopment opportunities at the northeast quadrant of the

## 2017-2022 Proposed Capital Improvement Program

campus in conjunction with the Uptown Urban Design Framework and the Uptown/Seattle Center Strategic Parking Study.

Revenue Generation – Capital improvements which maintain and/or enhance a facility's ability to generate revenue are critical to the financial health of Seattle Center, where roughly two-thirds of the Seattle Center's budget comes from revenue generated by operations. Maintenance and improvement of revenue generating capacity can be as important as maintenance and improvements to building systems. In 2017-18, Seattle Center will invest in parking facilities, KeyArena, and other event-related infrastructure that supports the revenue generating capacity of facilities throughout the campus.

Leverage Non-City Funds – In 2017-18, the City's \$554,000 allocation for the McCaw Hall Capital Reserve Fund is matched by a combined equal investment from the building's resident tenants, Seattle Opera and Pacific Northwest Ballet. The ability to use City investment to leverage non-City funds is a fundamental part of the history of the redevelopment and renewal of Seattle Center.

### **Project Selection Criteria**

For each two-year budget cycle, a broad cross-section of Seattle Center staff members are engaged in the process of identifying the highest priority asset preservation and improvement needs on the campus. This includes staff members who maintain facilities, rent facilities to clients, provide technical support for events, manage parking and public assembly facilities, and manage capital projects. Projects are prioritized around a set of criteria, including public and staff safety, regulatory requirements, failing building systems, asset preservation, master plan implementation, reducing operating costs and/or increasing revenue potential, and leveraging non-City funds. The Center's four operating boards (Armory, Campus, KeyArena, and McCaw Hall) play a central role in identifying and prioritizing capital needs in the facilities they oversee, and the Seattle Center Executive Team takes all of this information and prioritizes projects across the entire Seattle Center campus. Seattle Center's campuswide Facility Condition Assessment that began in 2015 and continues in 2017-18 will provide a comprehensive picture of current and future capital needs at Seattle Center to inform capital investment priorities.

### **Future Projects/What is on the Horizon**

The Seattle Center Century 21 Master Plan provides guidance for the redevelopment and maintenance of Seattle Center assets and facilities through 2028. In the immediate future, Seattle Center is focused on redevelopment of the eight-block area at the northeast quadrant of the campus, including the Memorial Stadium site, Mercer Arena site (redeveloped by Seattle Opera beginning in 2017), the KCTS site, Mercer Garage, and the former Kreielsheimer site currently owned by the Opera and City.

## Project Summary

<b>BCL/Program Name</b>										
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>	
<b>Armory Rehabilitation</b>		<b>BCL/Program Code:</b>							<b>S9113</b>	
Armory Food Court Renovation - Debt Service (S1002)	1,591	381	382	383	381	380	383	0	3,881	
Armory Rehabilitation (S9113)	14,302	1,002	961	802	807	824	849	871	20,418	
<b>Armory Rehabilitation</b>	<b>15,893</b>	<b>1,383</b>	<b>1,343</b>	<b>1,185</b>	<b>1,188</b>	<b>1,204</b>	<b>1,232</b>	<b>871</b>	<b>24,299</b>	
<b>Campuswide Improvements and Repairs</b>		<b>BCL/Program Code:</b>							<b>S03P01</b>	
ADA Improvements (S9302)	2,523	2,361	0	0	0	0	0	0	4,884	
Artwork Maintenance (S9303)	435	155	30	30	30	30	30	30	770	
Fun Forest Site Restoration (S0901)	1,862	5	0	0	0	0	0	0	1,867	
General Site Improvements (S0305)	2,740	92	268	300	122	125	129	132	3,908	
Open Space Restoration and Repair (S9704)	8,355	1,508	285	225	528	539	556	570	12,566	
Preliminary Engineering and Planning (S9706)	1,576	381	400	200	100	125	125	125	3,032	
Seattle Center Long Range Investment Plan (S0703)	1,633	916	500	500	0	0	0	0	3,549	
Site Signage (S9118)	3,132	50	100	400	100	100	100	100	4,082	
<b>Campuswide Improvements and Repairs</b>	<b>22,256</b>	<b>5,468</b>	<b>1,583</b>	<b>1,655</b>	<b>880</b>	<b>919</b>	<b>940</b>	<b>957</b>	<b>34,658</b>	
<b>Facility Infrastructure Renovation and Repair</b>		<b>BCL/Program Code:</b>							<b>S03P02</b>	
Roof/Structural Replacement and Repair (S9701)	8,638	100	0	712	500	514	527	540	11,531	
<b>Facility Infrastructure Renovation and Repair</b>	<b>8,638</b>	<b>100</b>	<b>0</b>	<b>712</b>	<b>500</b>	<b>514</b>	<b>527</b>	<b>540</b>	<b>11,531</b>	
<b>Fisher Pavilion</b>		<b>BCL/Program Code:</b>							<b>S9705</b>	
Fisher Pavilion Asset Preservation (S0701)	64	41	0	0	35	35	35	35	245	
<b>Fisher Pavilion</b>	<b>64</b>	<b>41</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>	<b>245</b>	
<b>KeyArena</b>		<b>BCL/Program Code:</b>							<b>S03P04</b>	
KeyArena Improvements & Repairs (S9901)	3,761	785	1,275	950	632	646	666	683	9,398	
<b>KeyArena</b>	<b>3,761</b>	<b>785</b>	<b>1,275</b>	<b>950</b>	<b>632</b>	<b>646</b>	<b>666</b>	<b>683</b>	<b>9,398</b>	
<b>Lot 2 Development Project</b>		<b>BCL/Program Code:</b>							<b>S0501</b>	
Lot 2 Development (S0501)	6,043	320	0	0	0	0	0	0	6,363	
<b>Lot 2 Development Project</b>	<b>6,043</b>	<b>320</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6,363</b>	

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

BCL/Program Name									
Project Title & ID	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
<b>McCaw Hall Capital Reserve Fund</b>					<b>BCL/Program Code:</b>				<b>S0303</b>
McCaw Hall Asset Preservation (S0303)	2,455	1,226	556	572	590	608	626	644	7,277
<b>McCaw Hall Capital Reserve Fund</b>	2,455	1,226	556	572	590	608	626	644	7,277
<b>Mercer Arena Redevelopment</b>					<b>BCL/Program Code:</b>				<b>S0302</b>
Mercer Arena Redevelopment (S0302)	0	0	4,800	0	0	0	0	0	4,800
<b>Mercer Arena Redevelopment</b>	0	0	4,800	0	0	0	0	0	4,800
<b>Monorail Improvements</b>					<b>BCL/Program Code:</b>				<b>S9403</b>
Monorail Improvements (S9403)	14,206	3,579	1,006	1,255	1,255	1,255	1,255	1,255	25,066
Monorail Improvements Debt Service (S0702)	4,239	553	549	0	0	0	0	0	5,341
<b>Monorail Improvements</b>	18,445	4,132	1,555	1,255	1,255	1,255	1,255	1,255	30,407
<b>Parking Repairs and Improvements</b>					<b>BCL/Program Code:</b>				<b>S0301</b>
Parking Repairs and Improvements (S0301)	1,951	535	591	286	264	270	278	285	4,460
<b>Parking Repairs and Improvements</b>	1,951	535	591	286	264	270	278	285	4,460
<b>Public Gathering Space Improvements</b>					<b>BCL/Program Code:</b>				<b>S9902</b>
Public Gathering Space Improvements (S9902)	4,817	1,038	750	100	450	450	450	450	8,505
<b>Public Gathering Space Improvements</b>	4,817	1,038	750	100	450	450	450	450	8,505
<b>Theatre Improvements and Repairs</b>					<b>BCL/Program Code:</b>				<b>S9604</b>
Theatre Improvements and Repairs (S9604)	3,710	132	0	0	264	270	278	285	4,939
<b>Theatre Improvements and Repairs</b>	3,710	132	0	0	264	270	278	285	4,939
<b>Utility Infrastructure</b>					<b>BCL/Program Code:</b>				<b>S03P03</b>
Municipal Energy Efficiency Program (S1003)	420	215	0	0	0	0	0	0	635
Utility Infrastructure Master Plan & Repairs (S0101)	5,358	852	620	625	478	489	503	516	9,441
<b>Utility Infrastructure</b>	5,778	1,067	620	625	478	489	503	516	10,076

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

**Project Summary**

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Waste/Recycle Center, Warehouse and Shops Improvements</b>					<b>BCL/Program Code:</b>				<b>S9801</b>
Waste/Recycle Center, Warehouse and Shops Improvements (S9801)	295	0	0	0	58	59	61	63	536
<b>Waste/Recycle Center, Warehouse and Shops Improvements</b>	295	0	0	0	58	59	61	63	536
<b>Department Total*:</b>	94,106	16,227	13,073	7,340	6,594	6,719	6,851	6,584	157,494

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Center

### Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
2002B LTGO Capital Project Fund (34700)	5,388	0	0	0	0	0	0	0	5,388
2003 LTGO Capital Project Fund (34800)	7,043	0	0	0	0	0	0	0	7,043
2007 Multipurpose LTGO Bond Fund (35100)	5,266	0	0	0	0	0	0	0	5,266
2011 Multipurpose LTGO Bond Fund (35500)	420	215	0	0	0	0	0	0	635
2017 Multipurpose LTGO Bond Fund (36400)	0	0	4,800	0	0	0	0	0	4,800
Center House Merchants' Association Resources (NA-Cen2)	3,000	0	0	0	0	0	0	0	3,000
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount (00163)	25,732	9,026	5,532	4,883	4,619	4,726	4,840	4,555	63,913
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount (00161)	175	0	0	0	0	0	0	0	175
Cumulative Reserve Subfund - Unrestricted Subaccount (00164)	25,978	4,524	1,685	1,385	1,385	1,385	1,385	1,385	39,112
KeyArena Settlement Proceeds Fund (00138)	3,037	223	0	0	0	0	0	0	3,260
McCaw Hall Capital Reserve (34070)	2,155	1,226	556	572	590	608	626	644	6,977
Private Resources (NA)	0	0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund (34060)	12,844	1,013	500	500	0	0	0	0	14,857
Seattle Center Redevelopment and Parks Community Center - 1991 Levy Fund (Closed) (33000)	3,068	0	0	0	0	0	0	0	3,068
<b>Department Total*:</b>	94,106	16,227	13,073	7,340	6,594	6,719	6,851	6,584	157,494

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

**ADA Improvements**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9302	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project makes the Seattle Center campus more accessible to people with disabilities. Improvements may include, but are not limited to, assisted listening devices, automatic doors, ramps, signage, seating and other features that accommodate Seattle Center visitors.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	175	0	0	0	0	0	0	0	175
Real Estate Excise Tax I	2,107	2,361	0	0	0	0	0	0	4,468
Property Sales and Interest Earnings	241	0	0	0	0	0	0	0	241
<b>Total:</b>	2,523	2,361	0	0	0	0	0	0	4,884
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	175	0	0	0	0	0	0	0	175
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	2,107	2,361	0	0	0	0	0	0	4,468
Cumulative Reserve Subfund - Unrestricted Subaccount	241	0	0	0	0	0	0	0	241
<b>Total*:</b>	2,523	2,361	0	0	0	0	0	0	4,884
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		110	1,125	1,126	0	0	0	0	2,361
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
<b>Total:</b>		110	1,125	1,126	0	0	0	0	2,361

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Armory Food Court Renovation - Debt Service**

<b>BCL/Program Name:</b>	Armory Rehabilitation	<b>BCL/Program Code:</b>	S9113
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	S1002	<b>End Date:</b>	Q4/2021
<b>Location:</b>	305 Harrison St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides for payment of debt service on 10-year LTGO bonds issued in 2011 to fund renovation of the Seattle Center Armory atrium, formerly known as the Center House Food Court. LTGO bonds are one fund source for the work described in the Department's Center House Food Court Renovation project (S1001).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	1,591	381	382	383	381	380	383	0	3,881
<b>Total:</b>	1,591	381	382	383	381	380	383	0	3,881
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,591	381	382	383	381	380	383	0	3,881
<b>Total*:</b>	1,591	381	382	383	381	380	383	0	3,881

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Armory Rehabilitation**

<b>BCL/Program Name:</b>	Armory Rehabilitation	<b>BCL/Program Code:</b>	S9113
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9113	<b>End Date:</b>	ONGOING
<b>Location:</b>	305 Harrison St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for major maintenance and improvements to the 275,000 square-foot Seattle Center Armory, formerly known as Center House, a 1939 structure that serves as the primary free indoor public gathering and programming space at Seattle Center. Work may include, but is not limited to, restroom and mechanical renovations, elevator renovation, fire-safety and seismic improvements, window replacement, signage improvements, wall and floor surface repairs, and improvements to the atrium.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	3,975	1,002	961	802	807	824	849	871	10,091
Property Sales and Interest Earnings-2	3,632	0	0	0	0	0	0	0	3,632
Seattle Voter-Approved Levy	2,462	0	0	0	0	0	0	0	2,462
General Obligation Bonds	1,233	0	0	0	0	0	0	0	1,233
Private Funding/Donations	3,000	0	0	0	0	0	0	0	3,000
<b>Total:</b>	14,302	1,002	961	802	807	824	849	871	20,418
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	3,975	1,002	961	802	807	824	849	871	10,091
Cumulative Reserve Subfund - Unrestricted Subaccount	3,632	0	0	0	0	0	0	0	3,632
Seattle Center Redevelopment and Parks Community Center - 1991 Levy Fund (Closed)	2,462	0	0	0	0	0	0	0	2,462
2002B LTGO Capital Project Fund	1,233	0	0	0	0	0	0	0	1,233
<b>Total*:</b>	11,302	1,002	961	802	807	824	849	871	17,418
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	793	1,066	906	807	824	849	871	6,116
Cumulative Reserve Subfund - Unrestricted Subaccount	0	0	0	0	0	0	0	0
Seattle Center Redevelopment and Parks Community Center - 1991 Levy Fund (Closed)	0	0	0	0	0	0	0	0
2002B LTGO Capital Project Fund	0	0	0	0	0	0	0	0
Center House Merchants' Association Resources	0	0	0	0	0	0	0	0
<b>Total:</b>	793	1,066	906	807	824	849	871	6,116

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Artwork Maintenance**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9303	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for maintenance of public artwork on the Seattle Center campus to ensure the integrity of the artwork. Typical improvements may include, but are not limited to, surface restoration and repainting, mechanical upgrades and repairs, and structural repairs. Some artworks on the Seattle Center campus are maintained by the Office of Arts and Culture.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	31	0	0	0	0	0	0	0	31
Private Funding/Donations	5	0	0	0	0	0	0	0	5
Property Sales and Interest Earnings	399	155	30	30	30	30	30	30	734
<b>Total:</b>	435	155	30	30	30	30	30	30	770
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	31	0	0	0	0	0	0	0	31
Cumulative Reserve Subfund - Unrestricted Subaccount	404	155	30	30	30	30	30	30	739
<b>Total*:</b>	435	155	30	30	30	30	30	30	770
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Unrestricted Subaccount		41	87	87	30	30	30	30	335
<b>Total:</b>		41	87	87	30	30	30	30	335

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Fisher Pavilion Asset Preservation**

<b>BCL/Program Name:</b>	Fisher Pavilion	<b>BCL/Program Code:</b>	S9705
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	S0701	<b>End Date:</b>	ONGOING
<b>Location:</b>	200 Thomas St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides for asset preservation investments in Fisher Pavilion, a public assembly facility completed in 2002.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	64	41	0	0	35	35	35	35	245
<b>Total:</b>	64	41	0	0	35	35	35	35	245
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	64	41	0	0	35	35	35	35	245
<b>Total*:</b>	64	41	0	0	35	35	35	35	245
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		1	25	15	35	35	35	35	181
<b>Total:</b>		1	25	15	35	35	35	35	181

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Fun Forest Site Restoration**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	S0901	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides funding for design and construction of improvements to the former Fun Forest site. Work may include, but is not limited to, hard surface repairs, demolition of existing structures, creation of new green space, installation of recreation facilities, and renovation and repurposing of existing structures. Center Art, LLC is contributing \$1 million in private funds for design and construction of an artist-designed children's play area on the former north Fun Forest site, with opening planned for Spring 2015. Center Art is also contributing \$50,000 per year for maintenance of the play area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Key Arena Settlement Subfund Revenue	820	0	0	0	0	0	0	0	820
Real Estate Excise Tax I	94	0	0	0	0	0	0	0	94
Private Funding/Donations	948	5	0	0	0	0	0	0	953
<b>Total:</b>	1,862	5	0	0	0	0	0	0	1,867
<b>Fund Appropriations/Allocations</b>									
KeyArena Settlement Proceeds Fund	820	0	0	0	0	0	0	0	820
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	94	0	0	0	0	0	0	0	94
Cumulative Reserve Subfund - Unrestricted Subaccount	948	5	0	0	0	0	0	0	953
<b>Total*:</b>	1,862	5	0	0	0	0	0	0	1,867
<b>O &amp; M Costs (Savings)</b>			50	50	50	50	50	0	250

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**General Site Improvements**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S0305	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project improves the safety, security, facility integrity, and visitor experience on the Seattle Center campus. Improvements may include, but are not limited to, installation of security bollards, lighting upgrades, sealing of building exteriors, and renovation of fountains, site amenities and open spaces.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	1,018	92	268	300	122	125	129	132	2,186
Federal Grant Funds	615	0	0	0	0	0	0	0	615
General Subfund Revenues	178	0	0	0	0	0	0	0	178
Property Sales and Interest Earnings-2	820	0	0	0	0	0	0	0	820
General Obligation Bonds	109	0	0	0	0	0	0	0	109
<b>Total:</b>	2,740	92	268	300	122	125	129	132	3,908
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,018	92	268	300	122	125	129	132	2,186
Cumulative Reserve Subfund - Unrestricted Subaccount	793	0	0	0	0	0	0	0	793
Seattle Center Capital Reserve Subfund	820	0	0	0	0	0	0	0	820
2002B LTGO Capital Project Fund	109	0	0	0	0	0	0	0	109
<b>Total*:</b>	2,740	92	268	300	122	125	129	132	3,908
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		25	302	333	122	125	129	132	1,168
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund		0	0	0	0	0	0	0	0
2002B LTGO Capital Project Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		25	302	333	122	125	129	132	1,168

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**KeyArena Improvements & Repairs**

<b>BCL/Program Name:</b>	KeyArena	<b>BCL/Program Code:</b>	S03P04
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9901	<b>End Date:</b>	ONGOING
<b>Location:</b>	334 1st Ave N		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for major maintenance and improvements to KeyArena. Improvements may include, but are not limited to, lighting upgrades, mechanical and electrical upgrades, renovation or replacement of the basketball floor and other event systems, concessions area improvements, creation of special seating sections and partial house configurations, technology upgrades, seating improvements, and funding of concept plans for future facility upgrades. These improvements both maintain basic building operations and facility integrity and enhance KeyArena's position in the highly competitive sports and entertainment marketplace.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Key Arena Settlement Subfund Revenue	2,170	0	0	0	0	0	0	0	2,170
Real Estate Excise Tax I	1,591	785	1,275	950	632	646	666	683	7,228
<b>Total:</b>	3,761	785	1,275	950	632	646	666	683	9,398
<b>Fund Appropriations/Allocations</b>									
KeyArena Settlement Proceeds Fund	2,170	0	0	0	0	0	0	0	2,170
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,591	785	1,275	950	632	646	666	683	7,228
<b>Total*:</b>	3,761	785	1,275	950	632	646	666	683	9,398
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
KeyArena Settlement Proceeds Fund		0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		670	1,325	1,015	632	646	666	683	5,637
<b>Total:</b>		670	1,325	1,015	632	646	666	683	5,637

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Lot 2 Development**

<b>BCL/Program Name:</b>	Lot 2 Development Project	<b>BCL/Program Code:</b>	S0501
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q4/2004
<b>Project ID:</b>	S0501	<b>End Date:</b>	Q4/2018
<b>Location:</b>	5th Ave N/Republican St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides for activities related to the sale of Seattle Center Parking Lot 2 to the Bill & Melinda Gates Foundation. The property sale closed in November 2006, but sale-related activities will continue for a number of years. Activities include, but are not limited to, relocation of facilities, groundwater remediation, construction oversight, and development of a replacement skateboard park.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	800	0	0	0	0	0	0	0	800
Private Funding/Donations	53	0	0	0	0	0	0	0	53
Property Sales and Interest Earnings-2	5,190	320	0	0	0	0	0	0	5,510
<b>Total:</b>	6,043	320	0	0	0	0	0	0	6,363
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	800	0	0	0	0	0	0	0	800
Seattle Center Capital Reserve Subfund	5,243	320	0	0	0	0	0	0	5,563
<b>Total*:</b>	6,043	320	0	0	0	0	0	0	6,363
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund		150	110	60	0	0	0	0	320
<b>Total:</b>		150	110	60	0	0	0	0	320

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**McCaw Hall Asset Preservation**

<b>BCL/Program Name:</b>	McCaw Hall Capital Reserve Fund	<b>BCL/Program Code:</b>	S0303
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	S0303	<b>End Date:</b>	ONGOING
<b>Location:</b>	321 Mercer St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides for the development, updating, and implementation of an Capital Renewal/Asset Preservation Plan for McCaw Hall, a facility completed in 2003. The plan provides a long-term road map for future major maintenance investments in the facility. Funding comes from the City and from the two resident tenants of McCaw Hall, Seattle Opera and Pacific Northwest Ballet.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	300	0	0	0	0	0	0	0	300
Energy Rebates	3	0	0	0	0	0	0	0	3
Real Estate Excise Tax I	1,015	614	273	281	290	299	308	317	3,397
Private Funding/Donations	1,097	614	273	281	290	299	308	317	3,479
Property Sales and Interest Earnings-2	40	(2)	10	10	10	10	10	10	98
<b>Total:</b>	2,455	1,226	556	572	590	608	626	644	7,277
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	300	0	0	0	0	0	0	0	300
McCaw Hall Capital Reserve	2,155	1,226	556	572	590	608	626	644	6,977
<b>Total*:</b>	2,455	1,226	556	572	590	608	626	644	7,277
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	0	0	0	0	0	0	0
McCaw Hall Capital Reserve		408	963	983	590	608	626	644	4,822
<b>Total:</b>		408	963	983	590	608	626	644	4,822

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Mercer Arena Redevelopment**

<b>BCL/Program Name:</b>	Mercer Arena Redevelopment	<b>BCL/Program Code:</b>	S0302
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2015
<b>Project ID:</b>	S0302	<b>End Date:</b>	Q4/2018
<b>Location:</b>	363 Mercer St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project redevelops the Mercer Arena site at Seattle Center. In 2008, the City Council authorized execution of a 30-year ground lease agreement with Seattle Opera for the Mercer Arena site. The Opera plans to construct a new facility to house its administrative offices, rehearsal spaces, and technical facilities. The City is providing \$5 million in funding for project enhancements and additional public benefits included in the 3rd amendment to the 2008 ground lease.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Private Funding/Donations	0	0	0	0	0	0	0	0	0
2017 Multipurpose LTGO Bond Fund	0	0	4,800	0	0	0	0	0	4,800
<b>Total:</b>	0	0	4,800	0	0	0	0	0	4,800
<b>Fund Appropriations/Allocations</b>									
Private Resources	0	0	0	0	0	0	0	0	0
2017 Multipurpose LTGO Bond Fund	0	0	4,800	0	0	0	0	0	4,800
<b>Total*:</b>	0	0	4,800	0	0	0	0	0	4,800
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Private Resources		0	0	0	0	0	0	0	0
2017 Multipurpose LTGO Bond Fund		0	1,600	3,200	0	0	0	0	4,800
<b>Total:</b>		0	1,600	3,200	0	0	0	0	4,800

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Monorail Improvements**

<b>BCL/Program Name:</b>	Monorail Improvements	<b>BCL/Program Code:</b>	S9403
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9403	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Monorail System		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides for the renovation of the Seattle Center Monorail, including the two trains, the two stations and the guideways that run in between. The City operates the Monorail through its contractor, Seattle Monorail Services. Monorail improvements may include, but are not limited to, door replacement, renovation of pneumatic and electrical systems and other train components, guideway renovation, and station upgrades.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	6,444	2,863	805	1,004	1,004	1,004	1,004	1,004	15,132
Private Funding/Donations	0	0	0	0	0	0	0	0	0
Property Sales and Interest Earnings-2	0	0	0	0	0	0	0	0	0
Federal ARRA Funds: FTA Transit Capital Assistance	1,000	0	0	0	0	0	0	0	1,000
Miscellaneous Revenues	1,574	716	201	251	251	251	251	251	3,746
General Obligation Bonds	475	0	0	0	0	0	0	0	475
General Obligation Bonds	4,713	0	0	0	0	0	0	0	4,713
<b>Total:</b>	14,206	3,579	1,006	1,255	1,255	1,255	1,255	1,255	25,066
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	9,018	3,579	1,006	1,255	1,255	1,255	1,255	1,255	19,878
2003 LTGO Capital Project Fund	475	0	0	0	0	0	0	0	475
2007 Multipurpose LTGO Bond Fund	4,713	0	0	0	0	0	0	0	4,713
<b>Total*:</b>	14,206	3,579	1,006	1,255	1,255	1,255	1,255	1,255	25,066
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount		674	2,651	1,781	885	2,359	1,255	1,255	10,860
2003 LTGO Capital Project Fund		0	0	0	0	0	0	0	0
2007 Multipurpose LTGO Bond Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		674	2,651	1,781	885	2,359	1,255	1,255	10,860

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Monorail Improvements Debt Service**

<b>BCL/Program Name:</b>	Monorail Improvements	<b>BCL/Program Code:</b>	S9403
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	S0702	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Seattle Center Monorail System		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Uptown

This project provides for the payment of debt service on 10-year LTGO bonds issued in 2007 to fund rehabilitation work on the Seattle Center monorail. LTGO bonds are one fund source for the work described in the Department's Monorail Improvements project (S9403).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	1,870	300	300	0	0	0	0	0	2,470
Property Sales and Interest Earnings-2	1,816	253	249	0	0	0	0	0	2,318
General Obligation Bonds	553	0	0	0	0	0	0	0	553
<b>Total:</b>	4,239	553	549	0	0	0	0	0	5,341
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	3,686	553	549	0	0	0	0	0	4,788
2007 Multipurpose LTGO Bond Fund	553	0	0	0	0	0	0	0	553
<b>Total*:</b>	4,239	553	549	0	0	0	0	0	5,341
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount		551	551	0	0	0	0	0	1,102
2007 Multipurpose LTGO Bond Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		551	551	0	0	0	0	0	1,102

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**2017 - 2022 Proposed Capital Improvement Program**

**Municipal Energy Efficiency Program**

<b>BCL/Program Name:</b>	Utility Infrastructure	<b>BCL/Program Code:</b>	S03P03
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	S1003	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Uptown

This project provides for energy saving facility retrofit projects at Seattle Center. This project results in more energy efficient building systems, reductions in utility use and cost, and other facility efficiency improvements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Obligation Bonds	420	215	0	0	0	0	0	0	635
<b>Total:</b>	420	215	0	0	0	0	0	0	635
<b>Fund Appropriations/Allocations</b>									
2011 Multipurpose LTGO Bond Fund	420	215	0	0	0	0	0	0	635
<b>Total*:</b>	420	215	0	0	0	0	0	0	635
<b>O &amp; M Costs (Savings)</b>			(35)	(35)	(35)	(35)	(35)	0	(175)
<b>Spending Plan by Fund</b>									
2011 Multipurpose LTGO Bond Fund		25	190	0	0	0	0	0	215
<b>Total:</b>		25	190	0	0	0	0	0	215

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**2017 - 2022 Proposed Capital Improvement Program**

**Open Space Restoration and Repair**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9704	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for the renovation, repair and the planning for the future renovation of open spaces, green spaces, hard surfaces, and fountains throughout the 74-acre Seattle Center campus. Typical improvements may include, but are not limited to, International Fountain mechanical and hard surface renovation, pedestrian and landscape improvements, hard surface repairs in heavily-trafficked areas, lighting upgrades, and tree replacement.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	3,963	1,508	285	225	528	539	556	570	8,174
Private Funding/Donations	25	0	0	0	0	0	0	0	25
Property Sales and Interest Earnings-2	1,977	0	0	0	0	0	0	0	1,977
Property Sales and Interest Earnings-2	1,215	0	0	0	0	0	0	0	1,215
General Obligation Bonds	1,175	0	0	0	0	0	0	0	1,175
<b>Total:</b>	<b>8,355</b>	<b>1,508</b>	<b>285</b>	<b>225</b>	<b>528</b>	<b>539</b>	<b>556</b>	<b>570</b>	<b>12,566</b>
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	3,963	1,508	285	225	528	539	556	570	8,174
Cumulative Reserve Subfund - Unrestricted Subaccount	2,002	0	0	0	0	0	0	0	2,002
Seattle Center Capital Reserve Subfund	1,215	0	0	0	0	0	0	0	1,215
2002B LTGO Capital Project Fund	1,175	0	0	0	0	0	0	0	1,175
<b>Total*:</b>	<b>8,355</b>	<b>1,508</b>	<b>285</b>	<b>225</b>	<b>528</b>	<b>539</b>	<b>556</b>	<b>570</b>	<b>12,566</b>
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		955	531	532	528	539	556	570	4,211
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund		0	0	0	0	0	0	0	0
2002B LTGO Capital Project Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		<b>955</b>	<b>531</b>	<b>532</b>	<b>528</b>	<b>539</b>	<b>556</b>	<b>570</b>	<b>4,211</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Parking Repairs and Improvements**

<b>BCL/Program Name:</b>	Parking Repairs and Improvements	<b>BCL/Program Code:</b>	S0301
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S0301	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for the repair and improvement of Seattle Center's parking facilities. Typical improvements may include, but are not limited to, concrete repairs, garage resealing, elevator renovation and repair, signage improvements, installation of emergency phones, and installation of electronic parking access and revenue control systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	991	535	591	286	264	270	278	285	3,500
Property Sales and Interest Earnings-2	160	0	0	0	0	0	0	0	160
Property Sales and Interest Earnings-2	800	0	0	0	0	0	0	0	800
<b>Total:</b>	1,951	535	591	286	264	270	278	285	4,460
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	991	535	591	286	264	270	278	285	3,500
Cumulative Reserve Subfund - Unrestricted Subaccount	160	0	0	0	0	0	0	0	160
Seattle Center Capital Reserve Subfund	800	0	0	0	0	0	0	0	800
<b>Total*:</b>	1,951	535	591	286	264	270	278	285	4,460
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		339	766	307	264	270	278	285	2,509
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund		0	0	0	0	0	0	0	0
<b>Total:</b>		339	766	307	264	270	278	285	2,509

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Preliminary Engineering and Planning**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9706	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for the development of scopes of work, concept plans, design alternatives, and cost estimates for Seattle Center capital projects. Typical planning work includes, but is not limited to, pre-design and analysis of project alternatives, planning for property sales, conceptual design and financial analysis of capital improvement options in conjunction with development of, and revisions to, the Seattle Center Century 21 Master Plan, and facility condition assessments.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	1,019	381	400	200	100	125	125	125	2,475
Property Sales and Interest Earnings-2	557	0	0	0	0	0	0	0	557
<b>Total:</b>	1,576	381	400	200	100	125	125	125	3,032
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,019	381	400	200	100	125	125	125	2,475
Cumulative Reserve Subfund - Unrestricted Subaccount	557	0	0	0	0	0	0	0	557
<b>Total*:</b>	1,576	381	400	200	100	125	125	125	3,032
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		286	450	245	100	125	125	125	1,456
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
<b>Total:</b>		286	450	245	100	125	125	125	1,456

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Public Gathering Space Improvements**

<b>BCL/Program Name:</b>	Public Gathering Space Improvements	<b>BCL/Program Code:</b>	S9902
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9902	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for major maintenance and improvements to meeting rooms, exhibition spaces, and other indoor and outdoor public assembly and gathering spaces at Seattle Center.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	2,054	870	650	0	350	350	350	350	4,974
Private Funding/Donations	60	0	0	0	0	0	0	0	60
Property Sales and Interest Earnings-2	1,283	168	100	100	100	100	100	100	2,051
Property Sales and Interest Earnings-2	1,280	0	0	0	0	0	0	0	1,280
General Obligation Bonds	140	0	0	0	0	0	0	0	140
<b>Total:</b>	4,817	1,038	750	100	450	450	450	450	8,505
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	2,054	870	650	0	350	350	350	350	4,974
Cumulative Reserve Subfund - Unrestricted Subaccount	1,343	168	100	100	100	100	100	100	2,111
Seattle Center Capital Reserve Subfund	1,280	0	0	0	0	0	0	0	1,280
2002B LTGO Capital Project Fund	140	0	0	0	0	0	0	0	140
<b>Total*:</b>	4,817	1,038	750	100	450	450	450	450	8,505
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		530	750	240	350	350	350	350	2,920
Cumulative Reserve Subfund - Unrestricted Subaccount		151	110	107	100	100	100	100	768
Seattle Center Capital Reserve Subfund		0	0	0	0	0	0	0	0
2002B LTGO Capital Project Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		681	860	347	450	450	450	450	3,688

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Roof/Structural Replacement and Repair**

<b>BCL/Program Name:</b>	Facility Infrastructure Renovation and Repair	<b>BCL/Program Code:</b>	S03P02
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9701	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This project provides for roof and building envelope repair and replacement, and structural and seismic analysis and repairs throughout the Seattle Center campus. Typical improvements may include, but are not limited to, roof replacement, exterior wall re-cladding and repairs, repair and replacement of rooftop mechanical equipment, seismic studies, and seismic retrofits.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	704	100	0	712	500	514	527	540	3,597
Property Sales and Interest Earnings-2	1,154	0	0	0	0	0	0	0	1,154
General Obligation Bonds	450	0	0	0	0	0	0	0	450
General Obligation Bonds	6,330	0	0	0	0	0	0	0	6,330
<b>Total:</b>	8,638	100	0	712	500	514	527	540	11,531
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	704	100	0	712	500	514	527	540	3,597
Cumulative Reserve Subfund - Unrestricted Subaccount	1,154	0	0	0	0	0	0	0	1,154
2002B LTGO Capital Project Fund	450	0	0	0	0	0	0	0	450
2003 LTGO Capital Project Fund	6,330	0	0	0	0	0	0	0	6,330
<b>Total*:</b>	8,638	100	0	712	500	514	527	540	11,531
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		24	76	712	500	514	527	540	2,893
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
2002B LTGO Capital Project Fund		0	0	0	0	0	0	0	0
2003 LTGO Capital Project Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		24	76	712	500	514	527	540	2,893

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Seattle Center Long Range Investment Plan**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2006
<b>Project ID:</b>	S0703	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Not in an Urban Village

This project provides for the development and implementation of the Seattle Center Century 21 Master Plan. Work includes, but is not limited to, working with stakeholder groups and consultant teams to identify development alternatives, holding public meetings, developing concept plans, carrying out environmental review and other studies, real estate analysis, developing public and private partnerships, recommending packages of improvements to elected officials, and updating the Master Plan as needed.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Key Arena Settlement Subfund Revenue	47	223	0	0	0	0	0	0	270
Real Estate Excise Tax I	0	0	0	0	0	0	0	0	0
Property Sales and Interest Earnings-2	1,586	308	0	0	0	0	0	0	1,894
Seattle Center Fund	0	385	500	500	0	0	0	0	1,385
<b>Total:</b>	1,633	916	500	500	0	0	0	0	3,549
<b>Fund Appropriations/Allocations</b>									
KeyArena Settlement Proceeds Fund	47	223	0	0	0	0	0	0	270
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund	1,586	693	500	500	0	0	0	0	3,279
<b>Total*:</b>	1,633	916	500	500	0	0	0	0	3,549
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
KeyArena Settlement Proceeds Fund		223	0	0	0	0	0	0	223
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund		676	517	500	0	0	0	0	1,693
<b>Total:</b>		899	517	500	0	0	0	0	1,916

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Site Signage**

<b>BCL/Program Name:</b>	Campuswide Improvements and Repairs	<b>BCL/Program Code:</b>	S03P01
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9118	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project funds replacement and renovation of wayfinding, event, building and informational signage throughout the Seattle Center campus. Improvements may include, but are not limited to, repair, replacement and upgrades to exterior readerboards and other signage, and development of a digital media network of electronic signage throughout the campus.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	141	50	100	400	100	100	100	100	1,091
Property Sales and Interest Earnings-2	485	0	0	0	0	0	0	0	485
Seattle Voter-Approved Levy	606	0	0	0	0	0	0	0	606
Property Sales and Interest Earnings-2	1,900	0	0	0	0	0	0	0	1,900
<b>Total:</b>	3,132	50	100	400	100	100	100	100	4,082
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	141	50	100	400	100	100	100	100	1,091
Cumulative Reserve Subfund - Unrestricted Subaccount	485	0	0	0	0	0	0	0	485
Seattle Center Redevelopment and Parks Community Center - 1991 Levy Fund (Closed)	606	0	0	0	0	0	0	0	606
Seattle Center Capital Reserve Subfund	1,900	0	0	0	0	0	0	0	1,900
<b>Total*:</b>	3,132	50	100	400	100	100	100	100	4,082
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		27	98	425	100	100	100	100	950
Cumulative Reserve Subfund - Unrestricted Subaccount		0	0	0	0	0	0	0	0
Seattle Center Redevelopment and Parks Community Center - 1991 Levy Fund (Closed)		0	0	0	0	0	0	0	0
Seattle Center Capital Reserve Subfund		0	0	0	0	0	0	0	0
<b>Total:</b>		27	98	425	100	100	100	100	950

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Theatre Improvements and Repairs**

<b>BCL/Program Name:</b>	Theatre Improvements and Repairs	<b>BCL/Program Code:</b>	S9604
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9604	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project funds improvements to the various theater spaces and facilities on the Seattle Center campus. Typical improvements may include, but are not limited to, fire safety, mechanical, structural, sound, staging, dressing room, building envelope and lobby improvements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	1,025	68	0	0	264	270	278	285	2,190
Property Sales and Interest Earnings-2	1,555	64	0	0	0	0	0	0	1,619
General Obligation Bonds	1,130	0	0	0	0	0	0	0	1,130
<b>Total:</b>	3,710	132	0	0	264	270	278	285	4,939
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,025	68	0	0	264	270	278	285	2,190
Cumulative Reserve Subfund - Unrestricted Subaccount	1,555	64	0	0	0	0	0	0	1,619
2002B LTGO Capital Project Fund	1,130	0	0	0	0	0	0	0	1,130
<b>Total*:</b>	3,710	132	0	0	264	270	278	285	4,939
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		20	24	24	264	270	278	285	1,165
Cumulative Reserve Subfund - Unrestricted Subaccount		40	24	0	0	0	0	0	64
2002B LTGO Capital Project Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		60	48	24	264	270	278	285	1,229

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Utility Infrastructure Master Plan & Repairs**

<b>BCL/Program Name:</b>	Utility Infrastructure	<b>BCL/Program Code:</b>	S03P03
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S0101	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project funds the repair and renovation of utility infrastructure at Seattle Center. Utility infrastructure includes chilled water and steam lines, electrical equipment, communication lines, fire alarms, and other systems. Typical improvements may include, but are not limited to, repair and replacement of underground piping for steam, chilled water and condensate lines; efficiency upgrades to the Center's chilled water loop; HVAC system renovation; replacement of water and fire mains; connectivity improvements; and electrical infrastructure upgrades.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	3,969	852	620	625	478	489	503	516	8,052
General Obligation Bonds	1,151	0	0	0	0	0	0	0	1,151
General Obligation Bonds	238	0	0	0	0	0	0	0	238
<b>Total:</b>	5,358	852	620	625	478	489	503	516	9,441
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	3,969	852	620	625	478	489	503	516	8,052
2002B LTGO Capital Project Fund	1,151	0	0	0	0	0	0	0	1,151
2003 LTGO Capital Project Fund	238	0	0	0	0	0	0	0	238
<b>Total*:</b>	5,358	852	620	625	478	489	503	516	9,441
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		609	820	668	478	489	503	516	4,083
2002B LTGO Capital Project Fund		0	0	0	0	0	0	0	0
2003 LTGO Capital Project Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		609	820	668	478	489	503	516	4,083

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Waste/Recycle Center, Warehouse and Shops Improvements**

<b>BCL/Program Name:</b>	Waste/Recycle Center, Warehouse and Shops Improvements	<b>BCL/Program Code:</b>	S9801
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	S9801	<b>End Date:</b>	ONGOING
<b>Location:</b>	Seattle Center Campus		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Uptown

This ongoing project provides for renovation, repairs, and improvements to Seattle Center's shops and warehouse areas, waste disposal and recycling infrastructure, and staff working areas. Typical improvements include, but are not limited to, electrical upgrades, fire alarm upgrades, window replacement, and safety improvements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	295	0	0	0	58	59	61	63	536
<b>Total:</b>	295	0	0	0	58	59	61	63	536
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	295	0	0	0	58	59	61	63	536
<b>Total*:</b>	295	0	0	0	58	59	61	63	536
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

# Seattle Public Library

## Overview

The Seattle Public Library's facilities include 26 branch libraries and the Central Library, as well as a storage facility and leased shops space. In 2008, the Library completed the final building projects of a system-wide capital program, known as "Libraries for All" (LFA). As a result of that \$290.7 million program, which was funded by a combination of public and private sources, Seattle had a new Central Library and four new branch libraries in the Delridge, International District/Chinatown, Northgate and South Park neighborhoods. In addition, each of the 22 branch libraries that were in the system as of 1998 was renovated, expanded or replaced. The LFA program increased the amount of physical space that the Library maintains by 80% to a total of over 600,000 square feet.

The Library's buildings can be divided into four major categories:

1. There are ten buildings designated as historic landmarks, including seven Carnegie-era libraries (built in the early 1900s) and three landmark modern buildings.
2. Eleven branch libraries are either LFA new construction (eight buildings) or non-landmarked buildings developed between the 1950s and the 1970s (three buildings).
3. Five small library branches are essentially storefronts, four of which are part of larger buildings.
4. The Central Library is a 12-story 363,000 square foot building that serves as headquarters and hub of the library system. It houses the materials distribution system, Library administration, a 425-seat auditorium and public meeting rooms, large public areas for reading and access to 330 public computers, a data center housing system-wide servers, and the Central Library collection of books and materials.

The Library Major Maintenance BCL is the primary capital project, providing ongoing funding for work that preserves or improves building integrity, efficiency and functionality.

## CIP Revenue Sources

Historically, Real Estate Excise Tax (REET) was the primary source of funding for the Library's CIP program, with an additional smaller allocation from the General Fund. Upon passage of the Library Levy, much of the routine major maintenance funding was shifted from REET/General Fund to the levy, as reflected in the Library's 2017-2022 CIP. The Real Estate Excise Tax continues to provide additional funding for targeted efforts, such as the Library's Reimagining Spaces initiative which aims to enhance Library physical spaces to better address patron and community needs or major maintenance requirements that were not anticipated during the planning of the levy.

As noted below under "Future Projects/What is on the Horizon," it will be important for the City to plan ahead to identify funding for the Library's CIP and operating budget prior to the 2019 expiration of the Library Levy.

Major maintenance funding afforded by the Library Levy provides for a responsible level of baseline asset preservation; it fills significant gaps in routine and major maintenance budgets in time to avoid or slow the effects of wear and tear. However, levy funding is insufficient to fund the substantial costs associated with programmatically driven or reimagining projects, building infrastructure renovations, or replacement of major building systems at the Central Library or the Library's larger branches. Additional financial support is crucial to the Library's ability to address major systems replacement and adapt libraries to the public's changing needs and uses during the life of the levy and beyond.

## 2017-2022 Proposed Capital Improvement Program

## CIP Highlights

In 2012, the Library worked with the Mayor and City Council to develop a Library Levy proposal that voters approved in August of 2012. One of the core areas funded is major maintenance. The Library Levy provides funding of approximately \$3.67 million in 2017 and roughly \$3.77 million in 2018. The 2017-2022 CIP provides a base level of support for asset management in this critical period when all buildings will have surpassed the ten-year mark from their LFA construction/renovation.

Several larger projects are either starting or continuing in 2017 at both the Central Library and the branches. Branch projects scheduled to begin during 2017 include major HVAC work (split system replacement to upgrade IT room cooling) at nineteen branches; window replacement at the Carnegie-era Columbia branch; and roof repair (along with other major maintenance improvements) at Lake City to coincide with the interior Reimagining of that branch. Multi-year projects at branches that may carry over from 2016 into 2017 include exterior and roof restoration at three century-old Carnegie branches (Queen Anne, Green Lake and Fremont); extensive exterior and accessibility improvements, as well as phase two of window replacement, at another Carnegie-era branch (University); lighting upgrades at Capitol Hill; exterior pavement repair at High Point; and asset preservation issues at branches (Beacon Hill, High Point and Greenwood) where programmatic reimagining (i.e., renovation) began in 2016.

The iconic Central Library will be allocated a significant portion of the available CIP funds, which are often distributed over multi-year projects. Larger, complex and challenging projects such as the interior curtain wall assessment/maintenance and Level 3 flooring upgrades – funded in both 2016 and 2017 – are in the initial planning stages. Flooring work is necessary to strengthen the raised flooring pedestal supports to accommodate a high-access lift to assess both the fire suppression system and the interior curtain wall. Additionally, much of the planning for Central's critical building systems re-commissioning is being completed during 2016; the actual work – totaling roughly \$1.2 million to address various mechanical, plumbing, lighting, engineering, electrical and HVAC issues – will proceed in 2017. These are multi-year projects which require careful logistical coordination as Central Library is one of the City's most frequently visited (and visible) facilities. The Library's goal is to keep the building open during construction although access to some areas will be restricted. Other Central multi-year projects that may continue into 2017 include reconfiguration of the 5th Avenue entry; LED lighting replacement in the Books Spiral (Levels 6 through 9); and replacement of both the loading dock and parking garage roll-up doors.

Real Estate Excise Tax (REET) revenue plays a vital role in supporting projects that are beyond the scope of the Library's Levy-funded major maintenance program. REET will fund significant capital efforts in 2017:

- \$534,000 will support the Library's "Re-imagining Spaces" efforts, to modify Library spaces and better address patron and community uses of libraries. Planned sites include Lake City and one additional branch to be determined.
- \$750,000 will continue to support the Level 3 raised flooring upgrades. The existing raised, continuous wood flooring is highly worn and it prevents full access to the plenum space below. The current flooring cannot support equipment that will allow high-access to ceiling-level lighting and for inspecting the fire suppression system, as well as providing safe and easy access for the staging of major programs and exhibits. Replacing and reinforcing the raised pedestal floor plenum system requires funding beyond routine maintenance costs; initial funding was provided last year and the project is in the initial planning stages.
- Added in 2017 is \$600,000 to fund public restrooms on Level 3 at Central Library as part of a broader initiative to realize the full potential of Central's "Living Room" and transform it into a flexible space for

## 2017-2022 Proposed Capital Improvement Program

Library programs, performances, community events and displays. This project includes an all gender single stall restroom that has been requested by Library users.

### Thematic Priorities

Library CIP projects generally fall into one or more categories: asset preservation, operational efficiency, environmental stability, public service improvements, and safety and security.

#### Asset Preservation

The overriding priority of the Library's capital program is extending the useful life of our buildings as long as possible. Roughly \$2 million of the Library's total proposed 2017 CIP can be predominantly classified as asset preservation work. As buildings reach and surpass the ten-year mark, they also require attention to flooring, casework, finishes and restroom fixtures. Major repairs and replacement to roofs, building envelopes, HVAC and other critical building systems, doors, windows, flooring and casework are also examples of the asset preservation items that must be funded through the Library's CIP budget. Roof, building envelope and window projects are planned for Lake City and Columbia branches in 2017; water intrusion mitigation is planned for the Ballard branch.

#### Library Operational Efficiency; Environmental Sustainability; Safety and Security of Public/Staff

The Library delivers direct services to Seattle residents, who expect highly functional and welcoming library buildings. Major maintenance work carried out under these priorities supports:

1. upgrades to help the Library reduce operating costs while minimizing impact to the public;
2. renovations to enhance the environmental sustainability of Library buildings; and
3. repairs and improvements that augment the safety of library facilities (obviously, if there are immediate safety concerns or building integrity is at stake, those projects assume the highest priority)

The Central Library is approaching the mid-point of its second decade of life; mechanical, electrical and plumbing (MEP) systems require much more attention. While the building appears to be running well on the surface, it's in a phase of its life where deficiencies and omissions manifest themselves as emergent challenges to operations or as emergencies. Over the past year and a half, the Library engaged a commissioning consultant that undertook inspections and assessments and will assist in implementing necessary improvements, corrective work and repairs. Planning and assessment are nearly complete; actual physical work will begin in early 2017. The systems will then be re-tested to ensure compliance with specifications. The cost of undertaking this effort is significant, but with more reliable, updated systems there will also be opportunities for energy and operational savings.

Nearly \$2.5 million is budgeted in 2017 for mechanical, engineering, lighting, plumbing and control system replacement and upgrades at Central and several branches. While these projects generally fall under the "operational efficiency and sustainability" theme, they are essential for preserving the Library's physical assets and also contribute to the environmental sustainability of Library buildings.

#### Public Service Improvements

This theme, known as the "Reimagining Spaces" service priority within the Library, involves efforts to better tailor services to neighborhood needs and trends in how people access and use information. Reimagining projects at High Point, Greenwood and Beacon Hill that began in 2016 may carry into 2017. Reimagining the Lake City branch is likely to be much more complex (as it is a landmarked building); that

project is scheduled to begin in 2017. With the addition of the Level 3 restrooms at Central Library, total spending in this category exceeds \$1.1 million.

## Project Selection Criteria

In selecting major maintenance work to accomplish each year, the Library evaluates the preservation of building integrity, impact on safety to the public and staff, importance of the work to core library building functions, operational efficiency gains (both economic and environmental), and opportunities to improve or preserve service to the public.

The Library conducts condition assessments and updates information based on inspection by the capital program manager and facilities maintenance staff. The Library obtains professional evaluations of roofs, mechanical, HVAC and lighting systems to flag deficiencies and identify areas where the capital program may be able to reduce operating costs. Library public services managers develop proposals to change the functional use of library space. These proposals are evaluated for feasibility, cost and urgency, and the capital program works with Library services managers to scope alternatives. Public input also plays a role in project planning, as evidenced by the inclusion of a new project for a restroom on Central Library's Level 3. The Library leadership team has ultimate responsibility for authorizing and prioritizing functional building modifications.

Many library facilities are open seven days per week, which requires careful planning and staging of projects to keep libraries open as much as possible while capital improvement work is underway. Flexibility is critical to respond to building issues as they emerge.

## Summary of Upcoming Budget Issues and Challenges

The Library Levy provides critical resources that will support a responsible capital program and preserve welcoming Library spaces throughout the city. The Library prepared a seven-year asset management plan to guide the capital element of the levy proposal. The Library is grateful for the opportunity to avoid deferred maintenance, keeping these community hubs in excellent condition.

The Library Levy will conclude at the end of the third year (2019) of the current six-year proposed CIP. The Library will need to work with the Mayor and the City Council prior to the end of the seven-year Library Levy to develop a strategy for continuing capital improvement program support for the Library, whether in the form of a renewed levy, re-instituted REET support, or some other mechanism. Given the uncertainty of future funding, the projected 2020-2022 Library CIP is supported entirely by REET funds.

Library buildings are the most intensively-used City facilities in Seattle. The Central Library hosts roughly 1.5 million visitors annually, and library branches serving nearly 4.5 million visitors. Even the quietest branch has nearly 50,000 people walk through the door each year. The Library's historic landmark buildings have unique features such as brick facades, slate roofs and other details. It is important to use designs and materials consistent with their landmark status – all factors that increase major maintenance costs. The Central Library poses a different set of challenges. A building of its size, complexity and intensity of use requires significant annual major maintenance to preserve core functionality and continually improve building efficiency. All of these factors were considered in establishing the major maintenance component of the Library Levy.

The LFA improvement projects were completed on a rolling basis over the course of a decade. The Library developed a projection of annual asset preservation requirements by focusing on the year in which each building reaches the 10-year mark from its LFA construction or expansion/renovation, and is in the process of updating the prospective schedule of major maintenance. Typically, 10 to 15 years after new construction or major renovation is a critical milestone for renewal of mechanical systems, building

### **2017-2022 Proposed Capital Improvement Program**

envelopes/roofs, and interiors. The Library is assessing the status of many of its systems at this point and will replace, repair or upgrade components as warranted.

## **Future Projects / What is on the Horizon**

### Central Library Infrastructure

Seattle's Central Library has proven to be a structure that attracts Seattle residents and visitors from around the world. The building is 14 years old, a period in its lifecycle where significant investments in the infrastructure are required to preserve the community's investment. Physical changes are also necessary to enable the Library to respond to changing demands for Library programs and services. In terms of maintenance and operations, Central Library is far more complex than a typical office building; the situation is further complicated by the fact that Central is likely the most highly-used building owned by the City. Additional funding is essential beyond the regular maintenance envisioned in our current level of capital funding.

Central's Level 3 Living Room, with its broad south facing glass canopy and dramatic atrium is the building's most iconic and highly-used public space. This space has the potential to actively engage all visitors in the full range of library services, whether they are available elsewhere in the building or are virtual services. The Library would like to see Level 3 serve as a portal to (and act as a teaser for) new and existing library services more than it does now; several infrastructure issues have begun to be addressed to facilitate a more active Level 3, including upgrades to the entryway, lighting and flooring. The existing raised, continuous wood flooring is highly worn. The current flooring prevents access to the plenum space below, and it cannot support equipment that will allow high-access to ceiling-level lighting and for inspecting the fire suppression system. Replacing and reinforcing the raised pedestal floor plenum system received funding for both 2016 and 2017, and the project is in the planning stages (it is queued behind the 5<sup>th</sup> Avenue door replacement project, currently scheduled to finish by year-end 2016). Further, as programming and activity on Central Library's Level 3 increases, the addition of restrooms (including an all gender restroom) will benefit patrons, especially with those with mobility challenges.

### Reimagining Spaces

The Library is also adapting to a rapidly changing information environment, where patrons are increasingly using the Library in new ways and accessing content digitally. Funding is vital for strategic, transformational improvements to Library facilities beyond baseline asset preservation. These strategic improvements will modify physical Library space with a threefold goal:

1. support learning experiences and programs for patrons, rather than serving as a location where a patron completes a transaction;
2. provide that experience in more flexible, adaptable spaces, responsive to service, patron, and demographic changes; and
3. in those spaces, reflect the expressed needs of our individual neighborhoods and communities, while maintaining The Seattle Public Library qualitative experience.

The Reimagining Spaces initiative will continue for the next five to seven years. The Library's Programs and Services Division has begun a programmatic assessment of key programs and services, along with the requisite funding changes associated with reimagining targeted branches and the Central Library. Reimagining the Central Library is especially challenging; while reimagining projects can be sequenced, the timing, scale and complexity of the building and heavy public use will require careful logistical and financial planning.

### Offsite Multi-use Facility

The Library has entered into a five-year lease at 6345 6<sup>th</sup> Avenue South; the facility will be used to consolidate the Library's building maintenance, custodial, landscaping and storage facilities in the near-term. While the Library would prefer to own, rather than lease, such a multi-use facility, this lease provides time for the Library to pursue two objectives:

1. Clean out and sell the current Library-owned storage space at 1529 Fourth Avenue West, also known as "Queen Anne Storage". Queen Anne Storage is in a former utility building located across the street from the Queen Anne Library in a residential neighborhood; the facility needs significant major maintenance, is not the property's highest and best use, and has very limited parking. The Library's needs for these functions exceed what would be acceptable at this location, particularly the amount of truck traffic. In mid-2016, the exterior of Queen Anne Storage was designated as a landmarked structure by the City of Seattle Landmark Preservation Board.
2. With the assistance of Finance and Administration's Property Management Division, the Library is continuing to search for a permanent location to house building and custodial maintenance, landscaping maintenance, storage and service vehicle parking. Ideally, the site would allow flexibility to add other services as operational needs evolve. Proceeds from the sale of the Queen Anne Storage facility will be necessary to partially offset the cost of a new facility.

### Library Levy Term

The current Library Levy's term will conclude at the end of the third year (2019) of our upcoming six-year CIP proposal. The levy legislation was written to convey the City's ongoing support for the Library's efforts to preserve its capital investments, stating "it is the intent of the City Council and Mayor to continue to provide General Fund and REET support to the Library at 2012 service levels, adjusted proportionately based on increases or decreases to such support for comparable City departments." Pressures for additional REET funding beyond 2017 have been described above; the projected Library CIP for 2020 through 2022 is funded entirely by REET.

During the 2013-14 CIP budget process, all routine major maintenance funding was shifted from REET to the Levy in response to direction from the City Budget Office. Our 2017 database submission will reflect the subsequent policy of using levy revenue to support roughly two-thirds of the entire 2017 Library CIP budget.

Prior to the end of the seven-year Levy period it will be essential for the City to develop a strategy for continuing capital improvement program support for the Library, whether in the form of a renewed Levy, re-instituted REET support, or some other mechanism.

# The Seattle Public Library

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>ADA Improvements - Library</b>					<b>BCL/Program Code:</b>			<b>B301112</b>	
ADA Improvements - Library (B301112)	788	267	0	0	0	0	0	0	1,055
<b>ADA Improvements - Library</b>	788	267	0	0	0	0	0	0	1,055
<b>Central Library Infrastructure Improvements</b>					<b>BCL/Program Code:</b>			<b>B301113</b>	
Central Library Infrastructure Improvements (B301113)	191	809	600	0	0	0	0	0	1,600
<b>Central Library Infrastructure Improvements</b>	191	809	600	0	0	0	0	0	1,600
<b>Library Major Maintenance</b>					<b>BCL/Program Code:</b>			<b>B301111</b>	
Library Major Maintenance (B301111)	9,892	8,548	4,957	4,322	4,440	584	600	618	33,961
<b>Library Major Maintenance</b>	9,892	8,548	4,957	4,322	4,440	584	600	618	33,961
<b>Department Total*:</b>	10,871	9,624	5,557	4,322	4,440	584	600	618	36,616

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# The Seattle Public Library

## Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
2012 Library Levy Fund (18100)	5,337	5,857	3,673	3,772	3,876	0	0	0	22,515
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount (00163)	5,094	3,767	1,884	550	564	584	600	618	13,661
General Subfund (00100)	440	0	0	0	0	0	0	0	440
Library Capital Subfund (10450)	0	0	0	0	0	0	0	0	0
<b>Department Total*:</b>	10,871	9,624	5,557	4,322	4,440	584	600	618	36,616

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

**ADA Improvements - Library**

<b>BCL/Program Name:</b>	ADA Improvements - Library	<b>BCL/Program Code:</b>	B301112
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2011
<b>Project ID:</b>	B301112	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various Locations		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project represents ADA improvements for The Seattle Public Library, and includes work on accessible paths and adjustments to casework, restroom fixtures, and railings.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	788	267	0	0	0	0	0	0	1,055
<b>Total:</b>	788	267	0	0	0	0	0	0	1,055
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	788	267	0	0	0	0	0	0	1,055
<b>Total*:</b>	788	267	0	0	0	0	0	0	1,055

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Central Library Infrastructure Improvements**

<b>BCL/Program Name:</b>	Central Library Infrastructure Improvements	<b>BCL/Program Code:</b>	B301113
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2014
<b>Project ID:</b>	B301113	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various Locations		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides for improved infrastructure at the 363,000 square foot Central Library. Central requires substantial infrastructure work to achieve operational efficiency and set the stage for its eventual programmatic re-imagining. Changes to Central also require additional lead time for planning and design, due both to its unique physical configuration/infrastructure and iconic architectural status. Typical improvements may include, but are not limited to, structural and mechanical repairs or improvements, safety and security upgrades, lighting and signage enhancements, and wall and floor surface repairs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	191	809	600	0	0	0	0	0	1,600
<b>Total:</b>	191	809	600	0	0	0	0	0	1,600
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	191	809	600	0	0	0	0	0	1,600
<b>Total*:</b>	191	809	600	0	0	0	0	0	1,600

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Library Major Maintenance**

<b>BCL/Program Name:</b>	Library Major Maintenance	<b>BCL/Program Code:</b>	B301111
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	B301111	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides for major maintenance to Library facilities, which include the 363,000 square foot Central Library and 26 branch libraries as well as storage/shops facilities. Typical improvements may include, but are not limited to, structural and mechanical repairs or improvements, safety and security upgrades, lighting and signage improvements, wall and floor surface repairs, landscape and exterior hard surface repairs, and projects that enhance service delivery or facilitate operational cost-savings at our libraries. This project preserves building integrity and improves functionality, and provides responsible management of the Library's building assets to ensure their long-term operational use. The project was created in 2009 in connection with midyear budget reductions to facilitate efficient asset management.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund Revenues	440	0	0	0	0	0	0	0	440
Real Estate Excise Tax I	4,115	2,691	1,284	550	564	584	600	618	11,006
Property Sales and Interest Earnings	0	0	0	0	0	0	0	0	0
Property Sales and Interest Earnings-2	0	0	0	0	0	0	0	0	0
Seattle Voter-Approved Levy	5,337	5,857	3,673	3,772	3,876	0	0	0	22,515
<b>Total:</b>	9,892	8,548	4,957	4,322	4,440	584	600	618	33,961
<b>Fund Appropriations/Allocations</b>									
General Subfund	440	0	0	0	0	0	0	0	440
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	4,115	2,691	1,284	550	564	584	600	618	11,006
Library Capital Subfund	0	0	0	0	0	0	0	0	0
2012 Library Levy Fund	5,337	5,857	3,673	3,772	3,876	0	0	0	22,515
<b>Total*:</b>	9,892	8,548	4,957	4,322	4,440	584	600	618	33,961
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Overview

The Seattle Department of Transportation (SDOT) is responsible for building and maintaining a safe, reliable, efficient and socially equitable transportation network. In addition, SDOT maintains and improves critical transportation infrastructure of regional, statewide and national significance in cooperation with external partners. Achieving transportation excellence helps support businesses, improves access to services and opportunity, enhances quality of life, and build a more sustainable community. This is accomplished by:

- preserving existing transportation infrastructure and using it to its fullest capabilities;
- moving people and goods efficiently and safely, using technology wherever possible to overcome transportation challenges;
- making transit, bicycling and walking convenient and attractive and reducing reliance on the automobile;
- shaping future transportation improvements that reflect Seattle's role and connections to the region;
- incorporating environmental excellence and climate protection into every decision, project and program;
- promoting the livability of our neighborhoods and communities;
- guiding investments that contribute to the economic vitality of neighborhood businesses and industries in Seattle and the region; and
- managing resources wisely with performance measures.

The City's transportation infrastructure is valued at more than \$19.8 billion. Major system assets include:

- 1,547 lane-miles of arterial streets;
- 2,407 lane-miles of non-arterial streets;
- 117 bridges;
- 509 stairways;
- 581 retaining walls;
- 22 miles of seawalls;
- 1,071 signalized intersections;
- 40.2 miles of multi-purpose trails;
- 338 miles of on-street bicycle facilities;
- more than 180,000 signs;
- 41,000 street trees;
- 2,018 pay stations; and
- 29,073 curb ramps.

The 2017- 2018 Proposed Budget and 2017-2022 Proposed Capital Improvement Program (CIP) emphasize transportation safety, efficient mobility of goods, and mobility for people of all ages and abilities.

The 2017-2022 Proposed CIP shows modified spending plans for the Move Seattle levy that was approved by voters in November 2015. As project scopes are defined and grant opportunities arise, the schedules and funding plans of the projects in the Move Seattle levy will be modified to accommodate the changes. A table summarizing the Move Seattle investments (both operating and capital) is in the Seattle Department of Transportation section in the 2017-2018 Proposed Budget.

## 2017-2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

The budget and CIP outline investments in critical transportation infrastructure needs and include planned spending of more than \$1.5 billion during 2017-2022. Key work includes street paving and resurfacing; building new sidewalks and curb ramps; school safety improvements; implementation of the Bike and Transit Master Plans; investments to facilitate freight mobility; traffic cameras and signals; bridge projects; support for the Seawall and Waterfront Program; and a new permitting system. For details, please see the associated explanations below.

***Street Paving and Resurfacing:*** The proposed CIP includes funding for the following projects:

- \$3,750,000 in 2017 and in 2018 for Arterial Major Maintenance;
- \$25,315,000 in 2017 and \$18,392,000 in 2018 for Arterial Asphalt & Concrete Program Phase II; and
- \$1,721,000 in 2017 and \$1,733,000 in 2018 for Non-Arterial Street Resurfacing and Restoration.

This level of investment will pave in excess of 25 lane-miles of roadway in 2017. In addition to the spot paving projects performed annually by SDOT crews, major contract projects are planned on the following streets: 3rd Ave and 6th Ave in Downtown, 4th Ave S and S Michigan St in SODO, W Nickerson St in Queen Anne, and NE Pacific St and 25th Ave NE in the University District.

***Pedestrian Master Plan Investments:*** The proposed CIP includes three projects that advance the Pedestrian Master Plan recommendations.

- The Pedestrian Master Plan - New Sidewalks project includes \$11.8 million in 2017 and \$5.7 million in 2018 to design and construct new sidewalks. Of the total, \$2.4 million in 2017 is funded by ticket revenue generated from fixed automated cameras located near school zones. These funds will be used to construct sidewalks within Seattle Public Schools walk zones. The remaining \$9.4 million is eligible for use anywhere in Seattle. The proposed CIP also reflects Council's decision to dedicate 10% of red light camera revenue to school traffic and pedestrian safety; this amount is \$450,000 in 2017 and \$425,000 in 2018.
- The Pedestrian Master Plan – School Safety project emphasizes pedestrian improvements in school zones and is partially funded by the School Safety Traffic and Pedestrian Improvement Fund. This fund was created to fund school safety infrastructure improvements, school zone camera installation and operation, school zone warning beacon maintenance, school safety program administration, and safety education. The proposed CIP includes \$3.2 million in 2017 and \$2.5 million in 2018 for capital improvements dedicated to school zones. These capital improvements may include school zone signing, crosswalk maintenance, curb bulb and curb ramp replacement and maintenance, sidewalk maintenance, and changes to traffic circulation around schools. This amount includes new funding of \$834,000 in 2017 and \$484,000 to support the rehabilitation of stairways in school walk zones.
- The Pedestrian Master Plan Implementation project will continue to fund curb ramp replacement, pedestrian crossing improvements, and the rehabilitation or replacement of stairways. Within available funding, SDOT will prioritize Americans with Disabilities Act (ADA) compliance in the City's right-of-way, including replacing and improving curb

### 2017-2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

ramps. The proposed CIP includes \$8,730,000 in 2017 and \$7,730,000 in 2018 for this project.

***Bicycle Master Plan Investments:*** The Bicycle Master Plan investments in the proposed CIP include \$9,165,000 for implementation in 2017. In addition, the CIP includes \$9,180,000 for implementation in 2018. The 2017 projects are intended to support the Bicycle Master Plan goals of safety, connectivity, ridership, equity, and livability. Typical project types include neighborhood greenways, protected bicycle lanes, other types of bicycle lanes, trail improvements, and bicycle parking, as well as spot improvements and programs that promote safety and encourage riding.

***Transit Projects:*** The most significant new transit investment in the proposed CIP is for the Center City Streetcar Connector project. This 1.2-mile long streetcar will connect the South Lake Union and First Hill streetcar lines. The proposed CIP includes \$45 million of LTGO bonds for this project. The funding will match a \$75 million Federal Small Starts grant that is included in the Fiscal Year 2017 Federal Transit Administration recommendation list. Award of the grant is dependent on the passage of the 2017 federal budget. The project is currently at 60% design so cost estimates, including those from associated utility work, may change.

In addition to the new streetcar, the CIP also includes spending to start developing new Bus Rapid Transit (BRT) corridors. This initial planning and design work is happening under the new CIP project BRT Concepts Design (TC367830), which has \$500,000 of funding annually during 2016-2020. Planning corridor dollars originally allocated to separate corridor projects have been consolidated here to fund early conceptual and design work. The proposed CIP also includes \$2.2 million in 2017 and \$3.8 million in 2018 for the Madison BRT project. Compared to the 2016 Adopted CIP, the spending on this project is accelerated..

***Freight Projects:*** The most significant freight investment in the proposed CIP is the South Lander Street Grade Separation project. This \$142 million project will enhance mobility and safety by building a new grade-separated crossing over the Burlington Northern/Santa Fe railroad tracks in SODO. The proposed CIP provides \$33 million of City funds to support this project. The project has received \$45 million from the new Federal FASTLANE grant program; it is also receiving \$7 million of state funds from the Connecting Washington transportation package, \$8 million from the Freight Mobility Strategic Investment Board, and is on the PSRC's recommendation list for an additional \$9.5 million grant. The Port of Seattle and BNSF railway are each contributing \$5 million to the project. Nevertheless, a \$27.5 million funding gap remains and the City is working with partners to fully fund this project.

The CIP also includes \$1.5 million annually for the Freight Spot Improvements project.

***Traffic Cameras and Signals:*** The City owns 158 traffic cameras, most of which are beyond or nearing the end of their useful life; moreover, funding to maintain these cameras in good working order was not identified in budgets prior to 2015. These cameras are needed so that staff at the Traffic Operations Center can adjust signals and dynamic message signs, communicate with first responders, and respond to changing conditions. The 2017-2022 Proposed CIP continues to replace these cameras at an annual cost of \$600,000 through 2018; funding for this effort is included in the Next Generation Intelligent Transportation Systems (ITS) CIP. In addition, \$50,000 annually is included in the operating budget to keep these cameras in good working order and extend the life cycle of these assets.

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**Bridge Projects:** The City owns 117 bridges, and maintaining all of them in appropriate conditions is a major challenge. The 2017-2022 Proposed CIP includes Move Seattle levy funding to construct the replacement of the Fairview Avenue N Bridge, which is the last vehicular wooden bridge in Seattle. The funding is leveraging a \$10.0 million federal grant.

The levy also provides funding for the next phase in the Bridge Seismic program. In 2017, SDOT will begin work on 4<sup>th</sup> Avenue S from Main St to Airport Way. The next phase of the Bridge Rehabilitation and Replacement program will start design on the Cowen Park Bridge.

Another investment in the 2017-2022 Proposed CIP relates to bridge load rating standards, which were modified by the Federal Highway Administration in November 2013. The standards require the City to re-do load ratings for 63 bridges by 2022. The estimated cost per bridge ranges from \$20,000 to \$40,000; thus, the proposed CIP includes \$300,000 of Gas Tax in 2017 to address this mandate. This continued level of investment is also included during 2018-2021.

The 2017-2022 Proposed CIP also includes \$2,135,000 of Real Estate Excise Tax annually for the Bridge Painting program.

**Seattle Waterfront Capital Projects:** The four major capital projects in the SDOT budget related to the downtown waterfront are the Alaskan Way Viaduct Replacement Project; the Elliott Bay Seawall Project; the Alaskan Way Main Corridor; and the Overlook Walk and East-West Connections Project. Additionally, separate capital projects exist within the Department of Parks and Recreation (Waterfront Pier projects, Aquarium Expansion) and the Department of Finance and Administrative Services (Pike Place Market PC1-N project). The Alaskan Way Viaduct Replacement Project includes SDOT's costs related to the State's SR-99 / Bored Tunnel, Battery Street Tunnel Decommissioning, the Holgate to King south end projects, the parking program, and program management services. The Elliott Bay Seawall Project, currently in construction, will replace the current seawall from Washington to Virginia streets (also known as the Central Seawall). It will also strengthen the pier support for Fire Station 5, which is currently attached to the existing seawall. Seawall construction currently in progress between Yesler and Pine will be substantially complete in the second quarter of 2017. The Pine-to-Virginia section of the Seawall is expected to begin construction in 2017 and be complete in 2018.

The Alaskan Way Main Corridor and the Overlook Walk and East-West Connection projects are led by the Office of the Waterfront. The Alaskan Way Main Corridor project includes the design and construction of the Alaskan Way/Elliott Way surface street and the adjoining pedestrian promenade along the waterfront. The Overlook Walk and East-West Connections projects include the Overlook Walk that provides pedestrian connections between the waterfront and the Aquarium and Pike Place Market. The project also focuses on the east/west streets that connect the downtown to the waterfront area. The City intends to complete 90% design in 2017, integrating any design changes recommended through the environmental process. Advertisement for construction of the projects is slated for spring 2018. Due to schedule delays in the Washington State Department of Transportation (WSDOT) tunnel-boring project, the tunnel that will replace the Alaskan Way Viaduct is currently projected to open in 2019. Based on this new schedule, major construction related to the Alaskan Way Main Corridor and the Overlook Walk and East-West Connection projects is anticipated to begin in late 2019.

**23<sup>rd</sup> Avenue Corridor:** 23<sup>rd</sup> Avenue is a vital multi-modal corridor linking much of south and central Seattle with Capitol Hill, the University District, and other North Seattle neighborhoods. The project reconstructs the roadway, modifies the cross section to a 3-lane section, builds a

### 2017-2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

parallel greenway, and continues development of Route 48 transit service electrification in the corridor. However, construction of the project is taking multiple years and is impacting businesses along the roadway. The proposed CIP includes \$1.6 million of Commercial Parking Tax funding in 2017 to address these impacts, including construction site clean-up; providing a storage yard for materials and contractor parking; improving pedestrian detours; opening the South Jackson Street to East Cherry Street segment earlier than previously planned; resequencing and accelerating work during weekend intersection closures; and changing from a one-way traffic scenario to a two-way pattern as much as possible. This amount is included in the total project budget of \$6,371,000 in 2017 and \$6,811,000 in 2018.

**New Permitting System:** SDOT continues to work with Seattle Department of Construction and Inspections and Seattle Fire in the Seattle IT lead Permitting System Integration (PSI) project. SDOT's New Permitting System is the project costs associated with SDOT's implementation of the Accela platform, the vendor selected in the Citywide PSI project. The current permitting system, Hansen, will be replaced for permitting with Accela. SDOT continues to use newer Hansen modules for work order processing, maintenance and asset management. Funding for replacement of this critical permitting system is a classic "user pays" model. SDOT permittees will pay for this system replacement from their permit fees, and funding is identified to upgrade and replace the asset in future years. The 2017-2022 Proposed CIP continues this work and includes \$5.1 million of Street Use fee revenues for this project in 2017.

**Accessible Mt. Baker:** The Accessible Mt. Baker project was a stand-alone project in the 2016 Adopted CIP. This project has been combined with the Rainier/Jackson multimodal corridor project in the 2017-2022 Proposed CIP to achieve efficiencies. Total funding for Rainier/Jackson in 2017 is \$400,000; in 2018 the amount is \$2,300,000.

### CIP Revenue Sources

Multiple funding sources support the Transportation CIP, including:

- Move Seattle levy;
- Gas Tax;
- Real Estate Excise Tax;
- Commercial Parking Tax;
- Vehicle License Fees;
- Long-term financing (general obligation bonds);
- Street vacation revenues;
- Street use fees;
- Property sale proceeds;
- Federal and state grants; and
- Funds from various funding partners, such as Sound Transit, the Port of Seattle and the Washington State Department of Transportation.

# Seattle Department of Transportation

In 2017, the proposed CIP budget is about \$226 million from the following sources:



## Local Revenues

Local funding sources for the Transportation Capital Improvement Program include Move Seattle levy proceeds, Gas Tax, property sale proceeds, Cumulative Reserve REET II, Cumulative Reserve Street Vacation, Commercial Parking Tax, and the \$20 Vehicle License Fee. These revenues are for programs that improve or maintain the City's transportation system or to provide local matching funds to SDOT's funding partners on large capital projects. In 2015, the State legislature passed a transportation revenue package. The City's direct share of the gas tax is projected to be \$13.8 million in 2017 and \$14.6 million in 2018.

## Thematic Priorities

The role of the transportation system is to connect people, places and products. To accomplish this, SDOT prioritizes services and capital projects based on the core principles in Mayor Murray's 10-Year Strategic Vision for Transportation - Move Seattle. The goal of the strategic vision is to organize actions around SDOT's core values:

1. **A Safe City** - We will not accept traffic deaths as an inevitable part of traveling together in a safe city. Our goal is to eliminate serious and fatal crashes in Seattle. Safety also means being prepared for a natural disaster by seismically reinforcing our bridges to withstand earthquakes.
2. **An Interconnected City** - More travel options do not always equate to an easy-to-use, interconnected system. Our goal is to provide an easy-to-use, reliable transportation system that gives you the options you want when you need them.
3. **A Vibrant City** - A vibrant city is one where the streets and sidewalks hum with economic and social activity, where people meet, shop and enjoy the beautiful city we

## 2017-2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

live in side by side with goods delivery and freight shipping. Our goal is to use Seattle's streets and sidewalks to improve the city's health, prosperity and happiness.

4. **An Affordable City** - Our goal is to give all people high quality and low-cost transportation options that allow them to spend their money on things other than transportation. An affordable transportation system improves the lives of all travelers.
5. **An Innovative City** - Demographic changes and technological innovation are radically reshaping transportation. Our goal is to understand and plan for the changes of tomorrow while delivering great service today. This includes newer, more nimble approaches to delivering projects and programs to our customers.

Transportation projects are initiated through a number of methods including planning processes (modal, subarea, neighborhood planning), preservation, operations and safety needs assessment, regulatory requirements, elected official direction and, in some instances, from neighborhood input such as the Neighborhood Street Fund program.

Stakeholders have significant input in development of all SDOT plans through public involvement processes. Seattle's Pedestrian, Bicycle, Transit and Freight Advisory Boards also provide input on project/program needs.

A number of factors can affect SDOT's project and funding decisions, including regulatory requirements, state and federal law (such as the Americans with Disabilities Act) and construction seasons. Opportunities to leverage the City's limited funding with grants or coordinating projects with other agencies can also affect SDOT's decisions.

In every case, SDOT strives to implement the City's policy goals laid out in Seattle's Comprehensive Plan and individual policy initiatives such as Complete Streets, the Race and Social Justice Initiative and the Environmental Management Initiative. SDOT's Transportation Strategic Plan, modal plans and subarea plans provide an overall framework for implementing these goals.

# Seattle Department of Transportation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Debt Service Program</b>					<b>BCL/Program Code:</b>				<b>18002D</b>
Debt Service - CRF (TC320060)	19,279	1,353	1,306	812	814	815	815	813	26,008
<b>Debt Service Program</b>	19,279	1,353	1,306	812	814	815	815	813	26,008
<b>Major Maintenance/Replacement</b>					<b>BCL/Program Code:</b>				<b>19001</b>
Accela Permitting System (TC367730)	0	5,544	5,104	0	1,000	1,000	1,000	1,000	14,648
Arterial Asphalt & Concrete Program Phase II (TC367740)	0	7,648	25,315	18,392	20,884	23,685	30,000	35,000	160,923
Arterial Asphalt and Concrete Program (TC365440)	203,830	29,596	0	0	0	0	0	0	233,426
Arterial Major Maintenance (TC365940)	35,288	5,719	3,750	3,750	3,750	3,750	4,250	4,250	64,507
Bike Master Plan Implementation (TC366760)	39,078	19,310	9,165	9,180	9,196	9,212	9,228	9,245	113,614
Bridge Load Rating (TC365060)	3,414	913	590	599	608	617	627	336	7,704
Bridge Painting Program (TC324900)	24,592	4,409	2,135	2,135	2,135	2,135	2,135	2,135	41,810
Bridge Rehabilitation and Replacement (TC366850)	73,171	19,081	14,243	23,862	3,000	0	0	0	133,357
Bridge Rehabilitation and Replacement Phase II (TC367450)	231	4,034	701	795	0	0	1,028	6,292	13,080
Bridge Seismic - Phase III (TC367300)	203	3,954	2,000	4,000	12,000	10,100	10,100	10,000	52,357
Canton and Nord Alleys (TC367540)	61	1,405	0	0	0	0	0	0	1,466
Columbia Two-Way Street Improvements (TC367640)	181	4,276	43	0	0	0	0	0	4,500
Hazard Mitigation Program - Areaways (TC365480)	5,270	1,275	354	363	372	381	390	400	8,804
Hazard Mitigation Program - Landslide Mitigation Projects (TC365510)	7,679	2,024	427	440	453	466	473	478	12,440
Miscellaneous, Unforeseen, and Emergencies (TC320030)	2,509	0	0	0	0	0	0	0	2,509
Non-Arterial Street Resurfacing and Restoration (TC367710)	0	1,710	1,721	1,733	1,766	1,788	1,792	1,807	12,317
Pavement Microsurfacing (TC367610)	3,518	3,491	0	0	0	0	0	0	7,009
Retaining Wall Repair and Restoration (TC365890)	4,880	2,223	212	212	212	212	212	212	8,375
Sidewalk Safety Repair (TC365120)	18,323	1,716	1,530	1,561	1,592	1,624	1,656	1,689	29,691

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

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## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Signal Major Maintenance (TC367580)	0	2,473	1,493	1,526	1,553	1,594	1,630	1,662	11,930
South Park Bridge (TC365780)	11,287	5,128	0	0	0	0	0	0	16,415
SPU Drainage Partnership - South Park (TC367760)	0	500	500	2,000	4,000	3,000	0	0	10,000
Street Lighting Program (TC366900)	0	0	0	4,500	1,840	1,350	1,350	1,350	10,390
<b>Major Maintenance/Replacement</b>	433,513	126,430	69,282	75,047	64,360	60,914	65,871	75,856	971,273
<b>Major Projects</b>									<b>BCL/Program Code: 19002</b>
Alaskan Way Main Corridor (TC367330)	40,127	40,038	23,618	16,806	45,191	102,066	63,420	34,606	365,872
Alaskan Way Viaduct Replacement (TC366050)	91,991	12,767	0	0	0	0	0	0	104,758
Elliott Bay Seawall Project (TC367320)	261,498	60,877	42,541	14,579	0	0	0	0	379,495
First Hill Streetcar (TC367100)	134,796	301	0	0	0	0	0	0	135,097
Magnolia Bridge Replacement Project (TC366060)	10,021	0	0	0	0	0	0	0	10,021
Mercer Corridor Project (TC365500)	149,691	302	0	0	0	0	0	0	149,994
Mercer Corridor Project West Phase (TC367110)	80,774	10,333	0	0	0	0	0	0	91,107
Overlook Walk and East-West Connections Project (TC367630)	590	3,394	6,322	5,075	45,793	80,710	27,030	2,650	171,564
Spokane St. Viaduct (TC364800)	157,038	113	0	0	0	0	0	0	157,151
SR-520 Project (TC365880)	2,603	1,192	1,066	681	771	948	987	1,338	9,587
<b>Major Projects</b>	929,130	129,318	73,547	37,141	91,755	183,724	91,437	38,594	1,574,646
<b>Mobility-Capital</b>									<b>BCL/Program Code: 19003</b>
23rd Avenue Corridor Improvements (TC367420)	17,244	29,019	6,371	6,811	8,817	0	0	0	68,262
3rd Avenue Corridor Improvements (TC367370)	5,586	6,715	935	0	0	0	0	0	13,235
ADA Improvements – SDOT (TC367500)	214	451	0	0	0	0	0	0	665
Adaptive Signal Control Implementation (TC367650)	2	998	0	0	0	0	0	0	1,000
Aurora Rapid Ride Improvements (TC367220)	7,199	164	0	0	0	0	0	0	7,363

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Department of Transportation

## Project Summary

BCL/Program Name									
Project Title & ID	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
Ballard to Downtown High Capacity Transit and Ship Canal Crossing Project (TC367390)	714	86	0	0	0	0	0	0	800
Bike Share Expansion (TC367690)	0	5,000	0	0	0	0	0	0	5,000
Broadway Streetcar Extension (TC367240)	3,149	1,216	0	14,000	6,360	0	0	0	24,725
BRT Concepts Design (TC367830)	0	500	500	500	500	500	0	0	2,500
Burke-Gilman Trail Extension (TC364830)	16,981	4,908	0	2,000	4,000	3,000	0	0	30,888
Center City Gateway and South Michigan Street Intelligent Transportation Systems (ITS) (TC367680)	62	5,248	0	0	0	0	0	0	5,311
Center City Streetcar Connector (TC367210)	7,700	3,160	8,822	92,080	39,826	0	0	0	151,588
Cheshiahud Lake Union Trail Project (TC367070)	2,500	4,289	0	0	0	0	0	0	6,789
Collision Evaluation Program (TC323860)	1,538	618	170	175	175	180	185	190	3,232
Delridge Multimodal Corridor (TC367810)	0	300	500	1,000	4,200	3,500	0	0	9,500
Fauntleroy Way SW Boulevard (TC367200)	1,164	1,436	700	7,600	7,600	0	0	0	18,500
Freight Spot Improvement Program (TC365850)	2,524	1,893	1,500	1,500	1,500	1,500	1,500	1,500	13,417
Graham Street Station (TC367780)	0	5	0	0	0	0	0	0	5
Greenwood Avenue Sidewalks (TC367530)	1,881	1,622	0	0	0	0	0	0	3,504
Heavy Haul Corridor Program (TC367590)	0	0	0	0	0	2,000	3,000	0	5,000
King Street Station Tenant Improvements (TC367840)	0	250	1,800	0	0	0	0	0	2,050
Linden Avenue North Complete Streets (TC366930)	9,331	44	0	0	0	0	0	0	9,375
Madison Street Bus Rapid Transit (TC367480)	1,359	4,655	2,200	3,800	5,000	0	0	0	17,014
Market / 45th Multimodal Corridor (TC367790)	0	0	0	0	900	6,100	2,500	0	9,500
Neighborhood Large Projects (TC367250)	5,240	4,479	25	5,550	670	3,100	5,515	320	24,899
Neighborhood Traffic Control Program (TC323250)	7,584	409	298	298	298	298	298	298	9,781
New Traffic Signals (TC367700)	0	498	515	527	540	552	563	571	3,765

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Department of Transportation

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Next Generation Intelligent Transportation Systems (ITS) (TC367430)	3,852	8,578	2,800	2,800	2,600	2,600	2,600	2,600	28,430
Northgate Bike and Pedestrian Improvements (TC367850)	0	1,773	601	227	1,170	681	21	0	4,473
Northgate Bridge and Cycle Track (TC367350)	2,364	4,889	4,510	679	22,626	5,674	200	0	40,941
NPSF Neighborhood Parks Street Fund (TC365770)	29,371	3,223	2,244	312	321	331	340	349	36,491
Pay Stations (TC366350)	20,266	11,027	0	0	0	0	0	0	31,293
Pedestrian Master Plan - New Sidewalks (TC367600)	3,630	21,087	11,854	5,700	5,162	4,081	4,031	4,031	59,576
Pedestrian Master Plan - School Safety (TC367170)	15,246	3,048	3,167	2,492	2,034	1,884	1,934	1,934	31,739
Pedestrian Master Plan Implementation (TC367150)	44,504	7,392	8,730	7,730	7,780	7,800	7,800	7,800	99,536
Rainier/Jackson Multimodal Corridor (TC367770)	0	1,100	400	2,300	5,800	900	0	0	10,500
Roosevelt Multimodal Corridor (TC367380)	805	1,895	0	0	0	1,250	6,250	0	10,200
Route 40 Northgate to Downtown Transit Improvements (TC367820)	0	0	0	0	0	0	0	1,500	1,500
Route 48 South Electrification (TC367660)	0	0	0	596	3,500	1,128	0	0	5,224
S Lander St. Grade Separation (TC366150)	2,533	6,300	17,200	66,400	48,100	1,000	1,000	0	142,533
Sound Transit - East Link (TC367410)	86	267	0	0	3	70	72	0	497
Sound Transit North Link (TC367190)	658	534	300	308	310	252	69	0	2,431
South Lake Union Streetcar (TC367400)	1,871	1,862	0	0	0	0	0	0	3,733
SPU Drainage Partnership - Broadview Pedestrian Improvements (TC367750)	0	500	500	2,000	4,000	1,000	0	0	8,000
Transit Corridor Improvements (TC366860)	34,087	5,017	3,800	2,773	3,800	3,800	3,800	3,800	60,877
Urban Forestry Capital Establishment (TC367720)	0	141	0	0	0	0	0	0	141
Vision Zero (TC367520)	2,188	2,327	2,400	2,400	2,500	2,500	2,535	2,600	19,450
<b>Mobility-Capital</b>	<b>253,434</b>	<b>158,923</b>	<b>82,841</b>	<b>232,557</b>	<b>190,091</b>	<b>55,681</b>	<b>44,213</b>	<b>27,493</b>	<b>1,045,232</b>
<b>Department Total*:</b>	<b>1,635,356</b>	<b>416,024</b>	<b>226,976</b>	<b>345,557</b>	<b>347,020</b>	<b>301,135</b>	<b>202,335</b>	<b>142,756</b>	<b>3,617,159</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Department of Transportation

## Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
2000 Parks Levy Fund (33850)	510	0	0	0	0	0	0	0	510
2002B LTGO Capital Project Fund (34700)	400	0	0	0	0	0	0	0	400
2003 LTGO Capital Project Fund (34800)	5,600	0	0	0	0	0	0	0	5,600
2005 LTGO Capital Project Fund (31032)	17,225	0	0	0	0	0	0	0	17,225
2006 LTGO Capital Projects Fund (34900)	8,330	0	0	0	0	0	0	0	8,330
2007 Multipurpose LTGO Bond Fund (35100)	22,620	0	0	0	0	0	0	0	22,620
2008 Multipurpose LTGO Bond Fund (35200)	60,008	0	0	0	0	0	0	0	60,008
2008 Parks Levy Fund (33860)	247	3,403	0	0	0	0	0	0	3,650
2009 Multipurpose LTGO Bond Fund (35300)	59,748	0	0	0	0	0	0	0	59,748
2010 Multipurpose LTGO Bond Fund (35400)	61,347	0	0	0	0	0	0	0	61,347
2011 Multipurpose LTGO Bond Fund (35500)	40,980	6,388	0	0	0	0	0	0	47,368
2012 Multipurpose LTGO Bond Fund (35600)	14,995	890	0	0	0	0	0	0	15,885
2014 Multipurpose LTGO Bond Fund (36100)	10,000	0	0	0	0	0	0	0	10,000
2015 Multipurpose LTGO Bond Fund (36200)	3,406	12,228	0	0	0	0	0	0	15,634
2016 Multipurpose LTGO Bond Fund (36300)	0	34,839	0	0	0	0	0	0	34,839
2017 Multipurpose LTGO Bond Fund (36400)	0	0	13,398	0	0	0	0	0	13,398
Alaskan Way Seawall Construction Fund (35800)	241,616	44,351	720	0	0	0	0	0	286,687
Central Waterfront Improvement Fund (35900)	13,015	695	1,501	1,410	44,543	94,490	34,340	3,800	193,794
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount (00163)	6,019	818	4,000	0	0	0	0	0	10,837
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount (00161)	133,739	37,667	22,323	5,000	4,892	4,894	4,895	4,902	218,312
Cumulative Reserve Subfund - South Lake Union Property Proceeds Subaccount (00167)	141	0	0	0	0	0	0	0	141
Cumulative Reserve Subfund - Street Vacation Subaccount (00169)	3,115	7,489	177	0	0	0	0	0	10,780
Cumulative Reserve Subfund - Unrestricted Subaccount (00164)	5,026	6,789	0	0	0	0	0	0	11,816

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Department of Transportation

## Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
Emergency Subfund (00185)	395	0	0	0	0	0	0	0	395
Future Bond Funds (99999)	0	3,977	0	16,000	36,282	5,585	6,337	9,436	77,617
Parking Garage Disposition Proceeds Fund (37000)	0	4,200	1,400	0	0	0	0	0	5,600
School Safety Traffic and Pedestrian Improvement Fund (18500)	6,392	8,690	5,221	3,392	2,395	2,165	2,165	2,165	32,586
To Be Determined (TBD)	0	0	0	0	35,118	0	0	0	35,118
Transportation Bond Fund (31600)	5,874	0	0	0	0	0	0	0	5,874
Transportation Operating Fund (10310)	914,609	243,600	178,236	319,755	223,789	194,001	154,598	122,454	2,351,041
<b>Department Total*:</b>	<b>1,635,356</b>	<b>416,024</b>	<b>226,976</b>	<b>345,557</b>	<b>347,020</b>	<b>301,135</b>	<b>202,335</b>	<b>142,756</b>	<b>3,617,159</b>

\*Amounts in thousands of dollars

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**23rd Avenue Corridor Improvements**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2013
<b>Project ID:</b>	TC367420	<b>End Date:</b>	Q4/2019
<b>Location:</b>	23rd AVE S/E John ST/Rainier AVE S		
<b>Neighborhood Plan:</b>	Central Area	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Central	<b>Urban Village:</b>	23rd Ave. @ Jackson

The project will reconstruct sidewalks, enhance the pedestrian environment, reconstruct pavement, upgrade signalized intersections, upgrade controller cabinets to meet transit signal priority (TSP) needs and accommodate Intelligent Transportation Systems (ITS) upgrades. Activities include the following: install ITS to provide travel time information; install fiber communication as needed along the corridor to relay information back to the Traffic Management Center; and install poles for support of future trolley wires in two gap segments of the trolley network. The project will also include design and construction of a 3-lane cross section (with 4 lanes at isolated intersections) between John Street and Rainier Ave South, as well as a greenway facility on a parallel street to facilitate north-south bicycle travel.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	2,881	2,219	0	111	0	0	0	0	5,211
Federal Grant Funds	1,991	3,009	0	0	0	0	0	0	5,000
Transportation Funding Package - Parking Tax	0	0	1,600	0	0	0	0	0	1,600
Transportation Funding Package - Lid Lift	6,360	5,370	0	0	0	0	0	0	11,730
City Light Fund Revenues	434	550	920	0	0	0	0	0	1,905
State Grant Funds	3,279	5,061	2,200	0	0	0	0	0	10,540
Transportation Move Seattle Levy - Lid Lift	0	1,559	0	6,700	8,300	0	0	0	16,559
To be determined	0	0	0	0	517	0	0	0	517
2011 Multipurpose LTGO bond Fund	2,297	3,325	0	0	0	0	0	0	5,622
2016 Multipurpose LTGO Bond Fund	0	7,927	0	0	0	0	0	0	7,927
2017 Multipurpose LTGO Bond Fund	0	0	1,651	0	0	0	0	0	1,651
<b>Total:</b>	17,244	29,019	6,371	6,811	8,817	0	0	0	68,262
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	2,881	2,219	0	111	0	0	0	0	5,211
Transportation Operating Fund	12,065	15,549	4,720	6,700	8,300	0	0	0	47,334
2011 Multipurpose LTGO Bond Fund	2,297	3,325	0	0	0	0	0	0	5,622
2016 Multipurpose LTGO Bond Fund	0	7,927	0	0	0	0	0	0	7,927
2017 Multipurpose LTGO Bond Fund	0	0	1,651	0	0	0	0	0	1,651
<b>Total*:</b>	17,244	29,019	6,371	6,811	8,300	0	0	0	67,745

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

O & M Costs (Savings)	0	0	0	0	0	0	0	0
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**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,098	912	320	0	0	0	0	2,330
Transportation Operating Fund	14,549	5,720	6,700	8,300	0	0	0	35,269
To Be Determined	0	0	0	517	0	0	0	517
2011 Multipurpose LTGO Bond Fund	3,325	0	0	0	0	0	0	3,325
2016 Multipurpose LTGO Bond Fund	7,270	657	0	0	0	0	0	7,927
2017 Multipurpose LTGO Bond Fund	0	1,651	0	0	0	0	0	1,651
<b>Total:</b>	26,241	8,940	7,020	8,817	0	0	0	51,018

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**3rd Avenue Corridor Improvements**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2012
<b>Project ID:</b>	TC367370	<b>End Date:</b>	Q4/2019
<b>Location:</b>	3rd AVE/S Jackson ST/Denny WAY		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project makes multimodal improvements in the Third Avenue downtown corridor. Improvements include expanding the northbound bus stop area at Pine Street adjacent to Macy's department store, designing and constructing additional streetscape improvements, remarking numerous crosswalks, and installing pedestrian countdown signals.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	708	0	0	0	0	0	0	708
Federal Grant Funds	2,695	4,849	935	0	0	0	0	0	8,479
Transportation Funding Package - Parking Tax	2,065	252	0	0	0	0	0	0	2,317
Transportation Funding Package - Lid Lift	622	0	0	0	0	0	0	0	622
King County Funds	0	906	0	0	0	0	0	0	906
Private Funding/Donations	0	0	0	0	0	0	0	0	0
State Grant Funds	204	0	0	0	0	0	0	0	204
<b>Total:</b>	5,586	6,715	935	0	0	0	0	0	13,235
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	708	0	0	0	0	0	0	708
Transportation Operating Fund	5,586	6,007	935	0	0	0	0	0	12,527
<b>Total*:</b>	5,586	6,715	935	0	0	0	0	0	13,235
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		658	0	25	25	0	0	0	708
Transportation Operating Fund		1,530	5,412	0	0	0	0	0	6,942
<b>Total:</b>		2,188	5,412	25	25	0	0	0	7,650

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Accela Permitting System

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367730	<b>End Date:</b>	ONGOING
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project will migrate SDOT permitting operations from the Hansen 7 system to the new Citywide Accela permitting platform. The vision for Accela is to create a fully integrated permitting system that provides an online “all in one place experience” for Seattle customers and staff. Once the initial migration is complete, this project will provide ongoing funding for routine system improvements as well as periodic major upgrades needed to stay current with changing technology.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
User Fees	0	5,544	5,104	0	1,000	1,000	1,000	1,000	14,648
<b>Total:</b>	0	5,544	5,104	0	1,000	1,000	1,000	1,000	14,648
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	5,544	5,104	0	1,000	1,000	1,000	1,000	14,648
<b>Total*:</b>	0	5,544	5,104	0	1,000	1,000	1,000	1,000	14,648
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		3,489	5,012	2,147	1,000	1,000	1,000	1,000	14,648
<b>Total:</b>		3,489	5,012	2,147	1,000	1,000	1,000	1,000	14,648

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

ADA Improvements – SDOT

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	TC367500	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project removes and replaces curb ramps at eleven locations in the City of Seattle Right of Way (ROW) in order to improve accessibility for people with disabilities. This project will address the 11 highest priority ramps that provide access to Seattle parks and will be built in compliance with applicable standards, including the Americans with Disabilities Act Standards for Accessible Design.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	214	442	0	0	0	0	0	0	656
General Subfund Revenues	0	9	0	0	0	0	0	0	9
<b>Total:</b>	214	451	0	0	0	0	0	0	665
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	214	442	0	0	0	0	0	0	656
Transportation Operating Fund	0	9	0	0	0	0	0	0	9
<b>Total*:</b>	214	451	0	0	0	0	0	0	665
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		416	26	0	0	0	0	0	442
Transportation Operating Fund		9	0	0	0	0	0	0	9
<b>Total:</b>		425	26	0	0	0	0	0	451

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Adaptive Signal Control Implementation**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	TC367650	<b>End Date:</b>	TBD
<b>Location:</b>	W Mercer ST/3rd AVE W/Queen Anne AVE N		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	South Lake Union

This project implements adaptive signal control (ASC) in the Seattle Center and South Lake Union area, and supports integrated corridor management on Denny Way, Mercer, and SR-99 north tunnel access. Phase 1 begins operation of 31 intersections on Mercer, Valley, and Roy that have been built as part of the Mercer project. Phase 2 includes 17 intersections along the Denny Way corridor. Phase 3 includes several connector streets between Mercer and Denny Way, including Elliott Ave, Queen Anne Ave N, Broad St, Dexter Ave N, Westlake Ave N, Fairview Ave N, 1st Ave N, 5th Ave N, and 9th Ave N. Phase 1 funding is proposed for 2015 and 2016.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Funding Package - Parking Tax	2	998	0	0	0	0	0	0	1,000
<b>Total:</b>	2	998	0	0	0	0	0	0	1,000
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	2	998	0	0	0	0	0	0	1,000
<b>Total*:</b>	2	998	0	0	0	0	0	0	1,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Alaskan Way Main Corridor

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367330	<b>End Date:</b>	Q1/2022
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project designs and constructs the rebuilt Alaskan Way/Elliott Way surface streets and the adjoining pedestrian promenade along the Seattle waterfront following the demolition of the Alaskan Way Viaduct. The State of Washington is in the process of building a deep bore tunnel to replace the Alaskan Way Viaduct (Viaduct), which is part of State Route (SR) 99. State Route 99 is currently planned to be relocated from the Viaduct into the tunnel. The State is responsible for demolishing the Viaduct and decommissioning the Battery Street tunnel. The City of Seattle is responsible for the Alaskan Way/Elliott Way surface street and the promenade. The project also includes replacement of and improvements to four key connections impacted by the Viaduct removal, namely Seneca Street, Columbia Street, and the Marion Street and Lenora pedestrian bridges. This project is part of the overall waterfront improvement program. Expenditures to the Local Improvement District Bonds revenue source that occur prior to 2019 represent anticipated future bond sales. This funding is currently supported through the Central Waterfront Improvement Fund's interfund loan, which Council approved via Ordinance 124345.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	897	353	0	0	0	0	0	0	1,250
Street Vacations -CRSU	0	1,300	0	0	0	0	0	0	1,300
Street Vacations - SVF	0	1,543	0	0	0	0	0	0	1,543
Drainage and Wastewater Rates	23	0	0	0	0	0	0	0	23
City Light Fund Revenues	381	0	0	0	0	0	0	0	381
Private Funding/Donations	0	0	0	0	0	12,080	4,210	1,830	18,120
State Grant Funds	15,496	7,891	17,000	9,540	32,533	70,621	45,563	22,190	220,834
User Fees	0	3,000	330	300	1,720	0	0	0	5,350
Commercial Parking Tax	5,044	1,040	0	0	0	0	0	0	6,084
2017 Multipurpose LTGO Bond Fund	0	0	5,975	0	0	0	0	0	5,975
2018 Multipurpose LTGO Bond Fund	0	0	0	6,966	0	0	0	0	6,966
Private Funding - Utilities	37	314	313	0	0	0	0	0	664
Transportation Bond Funds	0	3,977	0	0	10,123	4,595	4,837	6,936	30,468
Local Improvement District Bonds	10,471	239	0	0	815	14,770	8,810	3,650	38,755
2015 Multipurpose LTGO Bond Fund	3,265	886	0	0	0	0	0	0	4,151
Seawall Levy	4,513	774	0	0	0	0	0	0	5,287
2016 Multipurpose LTGO Bond Fund	0	18,721	0	0	0	0	0	0	18,721
<b>Total:</b>	40,127	40,038	23,618	16,806	45,191	102,066	63,420	34,606	365,872

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	897	353	0	0	0	0	0	0	1,250
Cumulative Reserve Subfund - Unrestricted Subaccount	0	1,300	0	0	0	0	0	0	1,300
Cumulative Reserve Subfund - Street Vacation Subaccount	0	1,543	0	0	0	0	0	0	1,543
Transportation Operating Fund	20,981	12,245	23,618	16,806	34,253	82,701	49,773	24,020	264,397
Future Bond Funds	0	3,977	0	0	10,123	4,595	4,837	6,936	30,468
Central Waterfront Improvement Fund	10,471	239	0	0	815	14,770	8,810	3,650	38,755
2015 Multipurpose LTGO Bond Fund	3,265	886	0	0	0	0	0	0	4,151
Alaskan Way Seawall Construction Fund	4,513	774	0	0	0	0	0	0	5,287
2016 Multipurpose LTGO Bond Fund	0	18,721	0	0	0	0	0	0	18,721
<b>Total*:</b>	<b>40,127</b>	<b>40,038</b>	<b>23,618</b>	<b>16,806</b>	<b>45,191</b>	<b>102,066</b>	<b>63,420</b>	<b>34,606</b>	<b>365,872</b>

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0 0

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	353	0	0	0	0	0	0	0	353
Cumulative Reserve Subfund - Unrestricted Subaccount	1,300	0	0	0	0	0	0	0	1,300
Cumulative Reserve Subfund - Street Vacation Subaccount	1,543	0	0	0	0	0	0	0	1,543
Transportation Operating Fund	11,385	23,824	16,806	34,253	70,621	45,563	22,190	224,642	
Future Bond Funds	0	0	0	10,123	4,595	4,837	6,936	26,491	
Central Waterfront Improvement Fund	239	0	0	815	26,850	13,020	5,480	46,404	
2015 Multipurpose LTGO Bond Fund	886	0	0	0	0	0	0	886	
Alaskan Way Seawall Construction Fund	1,074	0	0	0	0	0	0	1,074	
2016 Multipurpose LTGO Bond Fund	17,353	1,368	0	0	0	0	0	18,721	
<b>Total:</b>	<b>34,133</b>	<b>25,192</b>	<b>16,806</b>	<b>45,191</b>	<b>102,066</b>	<b>63,420</b>	<b>34,606</b>	<b>321,414</b>	

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Alaskan Way Viaduct Replacement

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	TC366050	<b>End Date:</b>	Q4/2021
<b>Location:</b>	ALASKAN WY VI SB/BATTERY ST TUN OFF RP		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project funds the City's involvement in the replacement of the Alaskan Way Viaduct with the bored tunnel hybrid alternative. Replacement of this structure will enhance overall safety, as this structure is seismically vulnerable. In prior years, this project included design of the Central Seawall and Waterfront Improvements. In 2013, for transparency purposes, the Seawall and Waterfront work was reflected in two new capital projects, Elliott Bay Seawall Project (TC367320) and Waterfront Improvement Program (TC367330).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	2,861	356	0	0	0	0	0	0	3,217
State Gas Taxes - Arterial City Street Fund	1,070	0	0	0	0	0	0	0	1,070
General Subfund Revenues	2,951	0	0	0	0	0	0	0	2,951
Interagency Commission on Outdoor Recreation Grants	239	0	0	0	0	0	0	0	239
King County Funds	11,764	0	0	0	0	0	0	0	11,764
State Grant Funds	15,138	10,531	0	0	0	0	0	0	25,669
User Fees	108	6	0	0	0	0	0	0	114
Commercial Parking Tax	8,064	938	0	0	0	0	0	0	9,002
2005 LTGO Bond	5,000	0	0	0	0	0	0	0	5,000
2003 LTGO Bond	5,000	0	0	0	0	0	0	0	5,000
2006 LTGO Bond	5,220	0	0	0	0	0	0	0	5,220
2007 Multipurpose LTGO Bond	2,920	0	0	0	0	0	0	0	2,920
2008 Multipurpose LTGO Bond Fund	481	0	0	0	0	0	0	0	481
2009 Multipurpose LTGO Bond Fund	1,770	0	0	0	0	0	0	0	1,770
2010 Multipurpose LTGO Bond Fund	10,440	0	0	0	0	0	0	0	10,440
2011 Multipurpose LTGO bond Fund	14,903	0	0	0	0	0	0	0	14,903
2012 Multipurpose LTGO Bond Fund	2,110	890	0	0	0	0	0	0	3,000
Interfund Loan	1,954	46	0	0	0	0	0	0	2,000
<b>Total:</b>	91,991	12,767	0	0	0	0	0	0	104,758

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

## Fund Appropriations/Allocations

Transportation Operating Fund	42,194	11,831	0	0	0	0	0	0	54,024
2005 LTGO Capital Project Fund	5,000	0	0	0	0	0	0	0	5,000
2003 LTGO Capital Project Fund	5,000	0	0	0	0	0	0	0	5,000
2006 LTGO Capital Projects Fund	5,220	0	0	0	0	0	0	0	5,220
2007 Multipurpose LTGO Bond Fund	2,920	0	0	0	0	0	0	0	2,920
2008 Multipurpose LTGO Bond Fund	481	0	0	0	0	0	0	0	481
2009 Multipurpose LTGO Bond Fund	1,770	0	0	0	0	0	0	0	1,770
2010 Multipurpose LTGO Bond Fund	10,440	0	0	0	0	0	0	0	10,440
2011 Multipurpose LTGO Bond Fund	14,903	0	0	0	0	0	0	0	14,903
2012 Multipurpose LTGO Bond Fund	2,110	890	0	0	0	0	0	0	3,000
Central Waterfront Improvement Fund	1,954	46	0	0	0	0	0	0	2,000
<b>Total*:</b>	91,991	12,767	0	0	0	0	0	0	104,758

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0 0

## Spending Plan by Fund

Transportation Operating Fund	3,095	2,233	2,591	2,341	869	701	0	11,831
2005 LTGO Capital Project Fund	0	0	0	0	0	0	0	0
2003 LTGO Capital Project Fund	0	0	0	0	0	0	0	0
2006 LTGO Capital Projects Fund	0	0	0	0	0	0	0	0
2007 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2008 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2009 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2010 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2011 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2012 Multipurpose LTGO Bond Fund	890	0	0	0	0	0	0	890
Central Waterfront Improvement Fund	46	0	0	0	0	0	0	46
<b>Total:</b>	4,032	2,233	2,591	2,341	869	701	0	12,767

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Arterial Asphalt & Concrete Program Phase II**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367740	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

The Arterial Asphalt and Concrete Program maintains Seattle's 1,581 lane miles of arterial streets through resurfacing and reconstruction projects. The Department uses a pavement management system to track the condition of arterial street pavement, to develop maintenance needs and establish priorities, and to select the streets to be rehabilitated each year. This project improves the quality and condition of the City's arterials.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
State Grant Funds	0	1,648	0	0	0	0	0	0	1,648
Transportation Move Seattle Levy - Lid Lift	0	6,000	25,315	18,392	20,884	23,685	30,000	35,000	159,275
<b>Total:</b>	0	7,648	25,315	18,392	20,884	23,685	30,000	35,000	160,923
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	7,648	25,315	18,392	20,884	23,685	30,000	35,000	160,923
<b>Total*:</b>	0	7,648	25,315	18,392	20,884	23,685	30,000	35,000	160,923
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		6,000	26,963	18,392	20,884	23,685	30,000	35,000	160,923
<b>Total:</b>		6,000	26,963	18,392	20,884	23,685	30,000	35,000	160,923

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Arterial Asphalt and Concrete Program

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365440	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

The Arterial Asphalt and Concrete Program maintains Seattle's 1,581 lane miles of arterial streets through resurfacing and reconstruction projects. The Department uses a pavement management system to track the condition of arterial street pavement, to develop maintenance needs and establish priorities, and to select the streets to be rehabilitated each year. This project improves the quality and condition of the City's arterials.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
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*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

## Revenue Sources

Real Estate Excise Tax II	16,612	519	0	0	0	0	0	0	17,131
Real Estate Excise Tax I	501	0	0	0	0	0	0	0	501
Property Sales and Interest Earnings	253	0	0	0	0	0	0	0	253
Street Vacations -CRSU	950	0	0	0	0	0	0	0	950
Vehicle Licensing Fees	346	0	0	0	0	0	0	0	346
Drainage and Wastewater Rates	1,871	0	0	0	0	0	0	0	1,871
Federal Grant Funds	14,576	1,663	0	0	0	0	0	0	16,239
Transportation Funding Package - Parking Tax	15,574	902	0	0	0	0	0	0	16,476
Transportation Funding Package - Business Transportation Tax	7,250	0	0	0	0	0	0	0	7,250
Transportation Funding Package - Lid Lift	99,821	5,528	0	0	0	0	0	0	105,349
City Light Fund Revenues	375	0	0	0	0	0	0	0	375
State Gas Taxes - Arterial City Street Fund	815	0	0	0	0	0	0	0	815
General Subfund Revenues	3,200	0	0	0	0	0	0	0	3,200
Interfund Loan	9,016	2,088	0	0	0	0	0	0	11,103
King County Funds	585	2	0	0	0	0	0	0	587
Private Funding/Donations	1,937	0	0	0	0	0	0	0	1,937
State Grant Funds	5,004	579	0	0	0	0	0	0	5,583
Transportation Move Seattle Levy - Lid Lift	0	18,315	0	0	0	0	0	0	18,315
Transportation Bond Funds	800	0	0	0	0	0	0	0	800
2008 Multipurpose LTGO Bond Fund	3,962	0	0	0	0	0	0	0	3,962
2009 Multipurpose LTGO Bond Fund	15,131	0	0	0	0	0	0	0	15,131
2011 Multipurpose LTGO bond Fund	5,250	0	0	0	0	0	0	0	5,250
<b>Total:</b>	<b>203,830</b>	<b>29,596</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>233,426</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	16,612	519	0	0	0	0	0	0	17,131
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	501	0	0	0	0	0	0	0	501
Cumulative Reserve Subfund - Unrestricted Subaccount	253	0	0	0	0	0	0	0	253
Cumulative Reserve Subfund - Street Vacation Subaccount	950	0	0	0	0	0	0	0	950
Transportation Operating Fund	160,370	29,077	0	0	0	0	0	0	189,447
Transportation Bond Fund	800	0	0	0	0	0	0	0	800
2008 Multipurpose LTGO Bond Fund	3,962	0	0	0	0	0	0	0	3,962
2009 Multipurpose LTGO Bond Fund	15,131	0	0	0	0	0	0	0	15,131
2011 Multipurpose LTGO Bond Fund	5,250	0	0	0	0	0	0	0	5,250
<b>Total*:</b>	<b>203,830</b>	<b>29,596</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>233,426</b>
<b>O &amp; M Costs (Savings)</b>			<b>0</b>						

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		519	0	0	0	0	0	0	519
Transportation Operating Fund		29,060	12	5	0	0	0	0	29,077
<b>Total:</b>		<b>29,579</b>	<b>12</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29,596</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Arterial Major Maintenance

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365940	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project repairs and/or replaces deteriorated pavement on arterial streets. Arterial Major Maintenance paving work typically spans one to three city blocks. It allows the City to respond quickly and cost effectively to pavement issues that are too large to be addressed with a pothole repair, yet are too small to be efficiently contracted. Project prioritization is based on pavement condition; cost; transit, bicycle, pedestrian and freight use; traffic volume; coordination opportunities; complaints and claims; and geographic balance across the city. The work extends the service life of existing pavement structures.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	14,730	0	0	0	0	0	0	0	14,730
Real Estate Excise Tax I	3,848	452	0	0	0	0	0	0	4,300
Street Vacations - SVF	0	295	0	0	0	0	0	0	295
Vehicle Licensing Fees	1,200	600	600	600	600	600	600	600	5,400
Transportation Funding Package - Parking Tax	3,205	1,355	1,650	1,650	1,650	1,650	1,650	1,650	14,460
Transportation Funding Package - Lid Lift	7,643	18	0	0	0	0	0	0	7,661
State Gas Taxes - Arterial City Street Fund	612	0	0	0	0	0	0	0	612
General Subfund Revenues	200	0	0	0	0	0	0	0	200
Rubble Yard Proceeds	3,850	0	0	0	0	0	0	0	3,850
Transportation Move Seattle Levy - Lid Lift	0	3,000	1,500	1,500	1,500	1,500	2,000	2,000	13,000
<b>Total:</b>	35,288	5,719	3,750	3,750	3,750	3,750	4,250	4,250	64,507
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	14,730	0	0	0	0	0	0	0	14,730
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	3,848	452	0	0	0	0	0	0	4,300
Cumulative Reserve Subfund - Street Vacation Subaccount	0	295	0	0	0	0	0	0	295
Transportation Operating Fund	16,710	4,973	3,750	3,750	3,750	3,750	4,250	4,250	45,183
<b>Total*:</b>	35,288	5,719	3,750	3,750	3,750	3,750	4,250	4,250	64,507
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Aurora Rapid Ride Improvements

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2012
<b>Project ID:</b>	TC367220	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	In more than one Urban Village

This project constructs numerous small and medium sized projects on Aurora Avenue between the Shoreline City Limits and Downtown Seattle to support Metro's new Rapid Ride service in that corridor. Most of the project costs will be reimbursed by Metro's Federal Transit Administration grant.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	4,670	16	0	0	0	0	0	0	4,685
Transportation Funding Package - Parking Tax	30	0	0	0	0	0	0	0	30
Transportation Funding Package - Lid Lift	1,637	17	0	0	0	0	0	0	1,654
State Gas Taxes - Arterial City Street Fund	30	2	0	0	0	0	0	0	32
King County Funds	292	129	0	0	0	0	0	0	421
State Grant Funds	541	0	0	0	0	0	0	0	541
<b>Total:</b>	7,199	164	0	0	0	0	0	0	7,363
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	7,199	164	0	0	0	0	0	0	7,363
<b>Total*:</b>	7,199	164	0	0	0	0	0	0	7,363
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		162	2	0	0	0	0	0	164
<b>Total:</b>		162	2	0	0	0	0	0	164

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Ballard to Downtown High Capacity Transit and Ship Canal Crossing Project**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367390	<b>End Date:</b>	Q4/2016
<b>Location:</b>	Downtown Ballard/Downtown Seattle		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will develop recommendations for implementation of high capacity transit alternatives between Ballard and Downtown Seattle. The project will build on the Ballard-Fremont-South Lake Union-Downtown corridor identified in the Transit Master Plan. The work will be done in conjunction with Sound Transit. The project will also develop conceptual designs and cost estimates for a new ship canal crossing for transit, pedestrians and bicycles.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Vehicle Licensing Fees	114	86	0	0	0	0	0	0	200
Transportation Funding Package - Lid Lift	54	0	0	0	0	0	0	0	54
General Subfund Revenues	546	0	0	0	0	0	0	0	546
<b>Total:</b>	714	86	0	0	0	0	0	0	800
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	714	86	0	0	0	0	0	0	800
<b>Total*:</b>	714	86	0	0	0	0	0	0	800
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Bike Master Plan Implementation**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC366760	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program implements the Seattle Bicycle Master Plan. Typical improvements may include installing bike lanes and sharrows, bicycle route signing, completing key links in the urban trails network, adding bicycle/pedestrian signals to complete the network, and reconstructing key sections of the trails. The goals of the program are to increase bicycle safety and access, while reducing bicycle crashes. This program includes funding for street improvement and trail construction and is consistent with the focus in the City's Transportation Strategic Plan (TSP) on encouraging walking and biking.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	983	175	0	0	0	0	0	0	1,158
Real Estate Excise Tax I	291	109	0	0	0	0	0	0	400
Vehicle Licensing Fees	3,194	3,056	1,200	1,200	1,200	1,200	1,200	1,200	13,450
Federal Grant Funds	387	6,211	0	0	0	0	0	0	6,598
Transportation Funding Package - Parking Tax	940	725	0	0	0	0	0	0	1,665
Transportation Funding Package - Business Transportation Tax	2,227	0	0	0	0	0	0	0	2,227
Transportation Funding Package - Lid Lift	28,807	451	0	0	0	0	0	0	29,258
State Gas Taxes - Arterial City Street Fund	754	634	0	0	0	0	0	0	1,387
General Subfund Revenues	1,100	0	0	0	0	0	0	0	1,100
State Grant Funds	50	0	0	0	0	0	0	0	50
Rubble Yard Proceeds	346	0	0	0	0	0	0	0	346
Transportation Move Seattle Levy - Lid Lift	0	7,950	7,965	7,980	7,996	8,012	8,028	8,045	55,976
<b>Total:</b>	39,078	19,310	9,165	9,180	9,196	9,212	9,228	9,245	113,614
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	983	175	0	0	0	0	0	0	1,158
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	291	109	0	0	0	0	0	0	400
Transportation Operating Fund	37,804	19,027	9,165	9,180	9,196	9,212	9,228	9,245	112,056
<b>Total*:</b>	39,078	19,310	9,165	9,180	9,196	9,212	9,228	9,245	113,614
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

## Spending Plan by Fund

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	151	24	0	0	0	0	0	175
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	109	0	0	0	0	0	0	109
Transportation Operating Fund	11,816	16,376	9,180	9,196	9,212	9,228	9,245	74,253
<b>Total:</b>	12,075	16,400	9,180	9,196	9,212	9,228	9,245	74,536

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Bike Share Expansion**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367690	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

The project will expand the bikeshare system to 250 stations with 2,500 bikes. The proposed bikeshare fleet will include electric drive, pedal assist bikes (e-bikes). The expansion will increase the service area from 5 square miles of the city and 14% of the population to 42 square miles serving 62% of the population. E-bikes will help Seattleites and visitors traverse the many hills in the city and take longer trips. Expansion plans include stations throughout the city - connecting the two initial service areas, extending along major transit corridors, incorporating tourist centers and other sites with high pedestrian volumes, densifying throughout the core service areas, and, most importantly, serving more neighborhoods that need stronger connections to transit, jobs, and educational opportunities, including low income neighborhoods.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
User Fees	0	5,000	0	0	0	0	0	0	5,000
<b>Total:</b>	0	5,000	0	0	0	0	0	0	5,000
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	5,000	0	0	0	0	0	0	5,000
<b>Total*:</b>	0	5,000	0	0	0	0	0	0	5,000
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		1,450	3,550	0	0	0	0	0	5,000
<b>Total:</b>		1,450	3,550	0	0	0	0	0	5,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Bridge Load Rating

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365060	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project rates bridges for safe load-carrying capacity, as part of a federally-mandated program. The work on this project, performed by both City staff and consultants, ensures public safety. Additional funding was added to this program as of the 2015-2020 Proposed CIP due to new load rating standards for specialized hauling vehicles that were issued by the Federal Highway Administration on November 13, 2013. These new standards require an additional investment of \$300,000 a year for seven years (2015-2021).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	301	300	0	0	0	0	0	0	601
Vehicle Licensing Fees	200	0	0	0	0	0	0	0	200
Transportation Funding Package - Parking Tax	99	201	0	0	0	0	0	0	300
State Gas Taxes - Arterial City Street Fund	2,511	413	590	599	608	617	627	336	6,301
General Subfund Revenues	302	0	0	0	0	0	0	0	302
<b>Total:</b>	3,414	913	590	599	608	617	627	336	7,704
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	301	300	0	0	0	0	0	0	601
Transportation Operating Fund	3,113	613	590	599	608	617	627	336	7,103
<b>Total*:</b>	3,414	913	590	599	608	617	627	336	7,704
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		300	0	0	0	0	0	0	300
Transportation Operating Fund		300	903	599	608	617	627	336	3,990
<b>Total:</b>		600	903	599	608	617	627	336	4,290

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Bridge Painting Program**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC324900	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing asset preservation project provides for the periodic painting of each of the City's 20 structural steel bridges. The painting cycle is initially determined by applying Federal Highway Administration standards for coating life, and is supplemented by annual physical inspections to assess the actual rate of deterioration.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	22,218	4,249	2,135	2,135	2,135	2,135	2,135	2,135	39,276
Real Estate Excise Tax I	141	0	0	0	0	0	0	0	141
South Lake Union Property Sale Proceeds	91	0	0	0	0	0	0	0	91
Federal Grant Funds	180	0	0	0	0	0	0	0	180
Transportation Funding Package - Parking Tax	0	25	0	0	0	0	0	0	25
State Gas Taxes - Arterial City Street Fund	463	135	0	0	0	0	0	0	598
General Subfund Revenues	1,189	0	0	0	0	0	0	0	1,189
King County Funds	10	0	0	0	0	0	0	0	10
Rubble Yard Proceeds	300	0	0	0	0	0	0	0	300
<b>Total:</b>	24,592	4,409	2,135	2,135	2,135	2,135	2,135	2,135	41,810
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	22,218	4,249	2,135	2,135	2,135	2,135	2,135	2,135	39,276
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	141	0	0	0	0	0	0	0	141
Cumulative Reserve Subfund - South Lake Union Property Proceeds Subaccount	91	0	0	0	0	0	0	0	91
Transportation Operating Fund	2,142	160	0	0	0	0	0	0	2,302
<b>Total*:</b>	24,592	4,409	2,135	2,135	2,135	2,135	2,135	2,135	41,810
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Spending Plan by Fund

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	2,509	3,874	2,135	2,135	2,135	2,135	2,135	17,059
Transportation Operating Fund	25	135	0	0	0	0	0	160
<b>Total:</b>	<b>2,535</b>	<b>4,009</b>	<b>2,135</b>	<b>2,135</b>	<b>2,135</b>	<b>2,135</b>	<b>2,135</b>	<b>17,219</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

### Bridge Rehabilitation and Replacement

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC366850	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project addresses the major maintenance backlog for the City's bridge infrastructure. Rehabilitation or replacement has been completed on Airport Way over Argo, 15th Avenue NE at NE 105th Street, 15th Ave. W Interchange, East Duwamish Waterway, Jose Rizal, East Marginal Way at Horton Street, and NE 45th Street Viaduct. The Yesler Over 4th Avenue bridge maintenance will continue and the Fairview Ave N bridges are scheduled for maintenance in 2017.

LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
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*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

## Revenue Sources

Real Estate Excise Tax II	320	0	0	0	0	0	0	0	320
Street Vacations - SVF	0	676	177	0	0	0	0	0	853
Drainage and Wastewater Rates	182	0	0	0	0	0	0	0	182
Federal Grant Funds	7,587	8,496	3,973	4,027	0	0	0	0	24,083
Transportation Funding Package - Parking Tax	2,487	0	0	0	0	0	0	0	2,487
Transportation Funding Package - Business Transportation Tax	1,544	0	0	0	0	0	0	0	1,544
Transportation Funding Package - Lid Lift	2,595	348	0	0	0	0	0	0	2,943
City Light Fund Revenues	929	1,053	156	0	0	0	0	0	2,137
State Gas Taxes - Arterial City Street Fund	20	0	0	0	0	0	0	0	20
General Subfund Revenues	11	0	0	0	0	0	0	0	11
King County Funds	161	0	0	0	0	0	0	0	161
Public Works Trust Fund Proceeds	7,000	0	0	0	0	0	0	0	7,000
Private Funding/Donations	807	1,397	160	0	0	0	0	0	2,364
Water Rates	36	121	66	0	0	0	0	0	223
Transportation Move Seattle Levy - Lid Lift	0	0	4,465	19,835	3,000	0	0	0	27,300
2008 Multipurpose LTGO Bond Fund	3,965	0	0	0	0	0	0	0	3,965
2009 Multipurpose LTGO Bond Fund	14,341	0	0	0	0	0	0	0	14,341
2010 Multipurpose LTGO Bond Fund	30,464	0	0	0	0	0	0	0	30,464
2011 Multipurpose LTGO bond Fund	582	2,026	0	0	0	0	0	0	2,608
2015 Multipurpose LTGO Bond Fund	141	4,963	0	0	0	0	0	0	5,104
2017 Multipurpose LTGO Bond Fund	0	0	5,247	0	0	0	0	0	5,247
<b>Total:</b>	<b>73,171</b>	<b>19,081</b>	<b>14,243</b>	<b>23,862</b>	<b>3,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133,357</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	320	0	0	0	0	0	0	0	320
Cumulative Reserve Subfund - Street Vacation Subaccount	0	676	177	0	0	0	0	0	853
Transportation Operating Fund	23,358	11,416	8,819	23,862	3,000	0	0	0	70,455
2008 Multipurpose LTGO Bond Fund	3,965	0	0	0	0	0	0	0	3,965
2009 Multipurpose LTGO Bond Fund	14,341	0	0	0	0	0	0	0	14,341
2010 Multipurpose LTGO Bond Fund	30,464	0	0	0	0	0	0	0	30,464
2011 Multipurpose LTGO Bond Fund	582	2,026	0	0	0	0	0	0	2,608
2015 Multipurpose LTGO Bond Fund	141	4,963	0	0	0	0	0	0	5,104
2017 Multipurpose LTGO Bond Fund	0	0	5,247	0	0	0	0	0	5,247
<b>Total*:</b>	<b>73,171</b>	<b>19,081</b>	<b>14,243</b>	<b>23,862</b>	<b>3,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>133,357</b>

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0 0

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Street Vacation Subaccount		0	853	0	0	0	0	0	853
Transportation Operating Fund		7,261	13,973	22,862	3,000	0	0	0	47,096
2008 Multipurpose LTGO Bond Fund		0	0	0	0	0	0	0	0
2009 Multipurpose LTGO Bond Fund		0	0	0	0	0	0	0	0
2010 Multipurpose LTGO Bond Fund		0	0	0	0	0	0	0	0
2011 Multipurpose LTGO Bond Fund		2,026	0	0	0	0	0	0	2,026
2015 Multipurpose LTGO Bond Fund		4,523	440	0	0	0	0	0	4,963
2017 Multipurpose LTGO Bond Fund		0	5,247	0	0	0	0	0	5,247
<b>Total:</b>		<b>13,810</b>	<b>20,513</b>	<b>22,862</b>	<b>3,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>60,185</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Bridge Rehabilitation and Replacement Phase II**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367450	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project addresses the major maintenance backlog for the City's bridge infrastructure. The Post Alley bridge maintenance will continue in 2017.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	595	0	0	0	0	0	0	595
Street Vacations - SVF	0	571	0	0	0	0	0	0	571
Federal Grant Funds	31	1,408	0	0	0	0	0	0	1,438
Transportation Funding Package - Parking Tax	137	696	0	0	0	0	0	0	833
Transportation Move Seattle Levy - Lid Lift	0	500	701	795	0	0	1,028	6,292	9,316
2011 Multipurpose LTGO bond Fund	63	264	0	0	0	0	0	0	327
<b>Total:</b>	231	4,034	701	795	0	0	1,028	6,292	13,080
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	595	0	0	0	0	0	0	595
Cumulative Reserve Subfund - Street Vacation Subaccount	0	571	0	0	0	0	0	0	571
Transportation Operating Fund	168	2,603	701	795	0	0	1,028	6,292	11,587
2011 Multipurpose LTGO Bond Fund	63	264	0	0	0	0	0	0	327
<b>Total*:</b>	231	4,034	701	795	0	0	1,028	6,292	13,080
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		428	167	0	0	0	0	0	595
Cumulative Reserve Subfund - Street Vacation Subaccount		37	534	0	0	0	0	0	571
Transportation Operating Fund		1,788	1,507	2,869	0	0	1,028	6,792	13,984
2011 Multipurpose LTGO Bond Fund		264	0	0	0	0	0	0	264
<b>Total:</b>		2,518	2,208	2,869	0	0	1,028	6,792	15,415

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Bridge Seismic - Phase III**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367300	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

The program prioritizes and implements seismic upgrades to bridges based on traffic importance and seismic vulnerability. On the highest ranked bridges, conceptual level analysis is performed to develop a retrofit strategy and cost estimate. As funding allows, full retrofit design and construction phases are implemented. The project enhances the safety of City bridges in lieu of substantial rehabilitation or replacement.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Street Vacations - SVF	0	1,413	0	0	0	0	0	0	1,413
Federal Grant Funds	69	1,034	0	0	0	0	0	0	1,103
Transportation Funding Package - Parking Tax	0	18	0	0	0	0	0	0	18
Transportation Funding Package - Lid Lift	97	0	0	0	0	0	0	0	97
Transportation Move Seattle Levy - Lid Lift	0	1,000	2,000	4,000	12,000	10,100	10,100	10,000	49,200
2011 Multipurpose LTGO bond Fund	36	489	0	0	0	0	0	0	525
<b>Total:</b>	203	3,954	2,000	4,000	12,000	10,100	10,100	10,000	52,357
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Street Vacation Subaccount	0	1,413	0	0	0	0	0	0	1,413
Transportation Operating Fund	167	2,052	2,000	4,000	12,000	10,100	10,100	10,000	50,418
2011 Multipurpose LTGO Bond Fund	36	489	0	0	0	0	0	0	525
<b>Total*:</b>	203	3,954	2,000	4,000	12,000	10,100	10,100	10,000	52,357
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Street Vacation Subaccount		142	1,267	2	2	0	0	0	1,413
Transportation Operating Fund		2,052	2,000	4,000	12,000	10,100	10,100	10,000	50,252
2011 Multipurpose LTGO Bond Fund		489	0	0	0	0	0	0	489
<b>Total:</b>		2,683	3,267	4,002	12,002	10,100	10,100	10,000	52,154

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Broadway Streetcar Extension**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q3/2012
<b>Project ID:</b>	TC367240	<b>End Date:</b>	ON HOLD
<b>Location:</b>	Broadway E/E Denny Way/E Roy ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Capitol Hill

This project extends the First Hill Streetcar to the north end of Broadway (approximately Denny Way to Roy Street). The First Hill Streetcar line is currently under construction and will connect First Hill employment centers to the regional Link light rail system, including but not limited to the International District/Chinatown Station, and Capitol Hill Station at Broadway and John Street. This half-mile extension to the retail core of Broadway will reach a high density residential area with reliable frequent service (approximately 10 minute headways) mirroring the hours of operation of Link light rail system.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Street Vacations -CRSU	305	440	0	0	0	0	0	0	745
Vehicle Licensing Fees	1,113	87	0	0	0	0	0	0	1,200
Federal Grant Funds	1,731	19	0	10,000	0	0	0	0	11,750
Transportation Funding Package - Parking Tax	0	295	0	0	0	0	0	0	295
City Light Fund Revenues	0	375	0	0	0	0	0	0	375
State Grant Funds	0	0	0	4,000	0	0	0	0	4,000
To be determined	0	0	0	0	6,360	0	0	0	6,360
<b>Total:</b>	3,149	1,216	0	14,000	6,360	0	0	0	24,725
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	305	440	0	0	0	0	0	0	745
Transportation Operating Fund	2,844	776	0	14,000	0	0	0	0	17,620
<b>Total*:</b>	3,149	1,216	0	14,000	0	0	0	0	18,365
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount		45	395	0	0	0	0	0	440
Transportation Operating Fund		605	0	14,171	0	0	0	0	14,776
To Be Determined		0	0	0	6,360	0	0	0	6,360
<b>Total:</b>		650	395	14,171	6,360	0	0	0	21,576

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

### BRT Concepts Design

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367830	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will advance the concept designs for Seattle's RapidRide Expansion program. In order to deliver the seven new RapidRide lines, this work includes assessment and development of corridor design, detailed line and network ridership forecasting, capital cost estimates, traffic and environmental analysis, modal integration, and funding plans.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	500	500	500	500	500	0	0	2,500
<b>Total:</b>	0	500	500	500	500	500	0	0	2,500
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	500	500	500	500	500	0	0	2,500
<b>Total*:</b>	0	500	500	500	500	500	0	0	2,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Burke-Gilman Trail Extension**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1995
<b>Project ID:</b>	TC364830	<b>End Date:</b>	TBD
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Crown Hill/Ballard	<b>Council District:</b>	6
<b>Neighborhood District:</b>	Ballard	<b>Urban Village:</b>	Ballard

This project extends the Burke-Gilman Trail from its current terminus at Eighth Avenue NW to Golden Gardens Park. The segment from Eighth Avenue NW to 11th Avenue NW was constructed in 2001. The Ballard Locks to NW 60th Street segment was constructed in 2005. The NW 60th Street to Golden Gardens segment was constructed in 2008. The "Missing Link" segment from 11th Avenue NW to the Ballard Locks was planned for construction in 2011 and 2012, but has been delayed due to ongoing litigation.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,723	0	0	0	0	0	0	0	1,723
Trail and Open Space Levy	594	40	0	0	0	0	0	0	635
Street Vacations -CRSU	150	0	0	0	0	0	0	0	150
Street Vacations - SVF	230	0	0	0	0	0	0	0	230
Vehicle Licensing Fees	1,643	0	0	0	0	0	0	0	1,643
Drainage and Wastewater Rates	373	0	0	0	0	0	0	0	373
Federal Grant Funds	4,938	0	0	0	0	0	0	0	4,938
Transportation Funding Package - Parking Tax	0	700	0	0	0	0	0	0	700
Transportation Funding Package - Business Transportation Tax	458	0	0	0	0	0	0	0	458
Transportation Funding Package - Lid Lift	1,960	588	0	0	0	0	0	0	2,548
City Light Fund Revenues	369	0	0	0	0	0	0	0	369
State Gas Taxes - Arterial City Street Fund	918	0	0	0	0	0	0	0	918
General Subfund Revenues	495	176	0	0	0	0	0	0	672
King County Funds	150	0	0	0	0	0	0	0	150
Private Funding/Donations	880	0	0	0	0	0	0	0	880
Water Rates	224	0	0	0	0	0	0	0	224
Transportation Move Seattle Levy - Lid Lift	0	0	0	2,000	4,000	3,000	0	0	9,000
Transportation Bond Funds	384	0	0	0	0	0	0	0	384
Seattle Voter-Approved Levy	510	0	0	0	0	0	0	0	510
2009 Multipurpose LTGO Bond Fund	734	0	0	0	0	0	0	0	734
Seattle Voter-Approved Levy	247	3,403	0	0	0	0	0	0	3,650
<b>Total:</b>	16,981	4,908	0	2,000	4,000	3,000	0	0	30,888

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,723	0	0	0	0	0	0	0	1,723
Cumulative Reserve Subfund - Unrestricted Subaccount	594	40	0	0	0	0	0	0	635
Cumulative Reserve Subfund - Street Vacation Subaccount	380	0	0	0	0	0	0	0	380
Transportation Operating Fund	12,409	1,464	0	2,000	4,000	3,000	0	0	22,873
Transportation Bond Fund	384	0	0	0	0	0	0	0	384
2000 Parks Levy Fund	510	0	0	0	0	0	0	0	510
2009 Multipurpose LTGO Bond Fund	734	0	0	0	0	0	0	0	734
2008 Parks Levy Fund	247	3,403	0	0	0	0	0	0	3,650
<b>Total*:</b>	16,981	4,908	0	2,000	4,000	3,000	0	0	30,888
<b>O &amp; M Costs (Savings)</b>			20	21	22	23	24	0	110

**Spending Plan by Fund**

Cumulative Reserve Subfund - Unrestricted Subaccount		0	40	0	0	0	0	0	40
Transportation Operating Fund		1,026	438	2,000	4,000	3,000	0	0	10,464
2008 Parks Levy Fund		0	521	699	2,182	0	0	0	3,403
<b>Total:</b>		1,026	1,000	2,699	6,182	3,000	0	0	13,908

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Canton and Nord Alleys

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q2/2014
<b>Project ID:</b>	TC367540	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Nord AL/S Main ST/S Jackson ST		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

SDOT will pave the alleys, while community partners will manage the design, community outreach and construction of the lighting and beautification elements of the projects. The outcome of these projects will be a revitalized and safer pedestrian environment that engages both the community and businesses.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	31	603	0	0	0	0	0	0	634
City Light Fund Revenues	7	163	0	0	0	0	0	0	170
Private Funding/Donations	23	396	0	0	0	0	0	0	418
User Fees	0	243	0	0	0	0	0	0	243
<b>Total:</b>	61	1,405	0	0	0	0	0	0	1,466

#### Fund Appropriations/Allocations

Transportation Operating Fund	61	1,405	0	0	0	0	0	0	1,466
<b>Total*:</b>	61	1,405	0	0	0	0	0	0	1,466

#### Spending Plan by Fund

Transportation Operating Fund	1,090	315	0	0	0	0	0	0	1,405
<b>Total:</b>	1,090	315	0	0	0	0	0	0	1,405

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Center City Gateway and South Michigan Street Intelligent Transportation Systems (ITS)**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q2/2015
<b>Project ID:</b>	TC367680	<b>End Date:</b>	Q4/2017
<b>Location:</b>	S Spokane ST/Western AVE/E Marginal Way WAY		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

The project will install traffic cameras, upgraded signals, vehicle detection devices and fiber communication in the Center City Gateway ITS and South Michigan Street ITS projects. A robust and reliable Intelligent Transportation System ensures that all modes of transportation can move through the City in a safe and sustainable manner.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Street Vacations - SVF	20	1,280	0	0	0	0	0	0	1,300
Federal Grant Funds	43	3,968	0	0	0	0	0	0	4,011
<b>Total:</b>	62	5,248	0	0	0	0	0	0	5,311
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Street Vacation Subaccount	20	1,280	0	0	0	0	0	0	1,300
Transportation Operating Fund	43	3,968	0	0	0	0	0	0	4,011
<b>Total*:</b>	62	5,248	0	0	0	0	0	0	5,311
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Street Vacation Subaccount		81	1,199	0	0	0	0	0	1,280
Transportation Operating Fund		1,942	2,026	0	0	0	0	0	3,968
<b>Total:</b>		2,023	3,225	0	0	0	0	0	5,248

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Center City Streetcar Connector

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2012
<b>Project ID:</b>	TC367210	<b>End Date:</b>	TBD
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

The Center City Connector is a 1.2 mile segment of the Seattle Streetcar that will link the South Lake Union and First Hill Streetcar lines, creating a system that will connect over a dozen Seattle neighborhoods in Seattle's Center City. The project includes procurement of up to ten additional streetcars and design and construction of track and guideway; station shelters and platforms; overhead contact system; traction power substation; storage facility expansion; roadway and drainage; ADA curb ramps; curb space management; and urban streetscape.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Street Vacations -CRSU	1,500	0	0	0	0	0	0	0	1,500
To be determined	0	0	0	68,159	0	0	0	0	68,159
Vehicle Licensing Fees	3,925	0	0	0	0	0	0	0	3,925
Drainage and Wastewater Rates	0	0	0	0	0	0	0	0	0
Federal Grant Funds	900	0	0	0	0	0	0	0	900
Transportation Funding Package - Lid Lift	1,375	0	0	0	0	0	0	0	1,375
City Light Fund Revenues	0	426	362	5,699	1,386	0	0	0	7,873
Private Funding/Donations	0	2,450	0	0	0	0	0	0	2,450
Water Rates	0	284	3,759	2,222	0	0	0	0	6,265
To be determined	0	0	0	0	14,141	0	0	0	14,141
Transportation Bond Funds	0	0	0	16,000	24,299	0	0	0	40,299
2017 Multipurpose LTGO Bond Fund	0	0	4,701	0	0	0	0	0	4,701
<b>Total:</b>	7,700	3,160	8,822	92,080	39,826	0	0	0	151,588
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	1,500	0	0	0	0	0	0	0	1,500
Transportation Operating Fund	6,200	3,160	4,121	76,080	1,386	0	0	0	90,947
Future Bond Funds	0	0	0	16,000	24,299	0	0	0	40,299
2017 Multipurpose LTGO Bond Fund	0	0	4,701	0	0	0	0	0	4,701
<b>Total*:</b>	7,700	3,160	8,822	92,080	25,685	0	0	0	137,447
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

## Spending Plan by Fund

Cumulative Reserve Subfund - Unrestricted Subaccount	0	0	0	0	0	0	0	0
Transportation Operating Fund	3,160	4,121	7,921	1,386	0	0	0	16,588
To Be Determined	0	0	68,159	14,141	0	0	0	82,300
Future Bond Funds	0	0	16,000	24,299	0	0	0	40,299
2017 Multipurpose LTGO Bond Fund	0	4,701	0	0	0	0	0	4,701
<b>Total:</b>	<b>3,160</b>	<b>8,822</b>	<b>92,080</b>	<b>39,826</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>143,888</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Cheshiahud Lake Union Trail Project

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	TC367070	<b>End Date:</b>	Q4/2019
<b>Location:</b>	Lake Union		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This project completes Fairview trail improvements and establishes the History Trail. The project addresses the challenges presented along the Fairview Avenues N and E corridors. This may include implementing a new separated bike/pedestrian path along Fairview Avenue N to the south of the old steam plant to Lake Union Park, and improving the shared route along Fairview Avenue E to the University Bridge. This will substantially complete the needed physical improvements along the trail. Three street-end parks will be improved through volunteer efforts. The Museum of History and Industry (MOHAI) and the Center for Wooden Boats (CWB) will implement interpretive elements for the History Trail. A cycle track will be constructed on Westlake Avenue North.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Trail and Open Space Levy	172	2,328	0	0	0	0	0	0	2,500
Federal Grant Funds	313	1,385	0	0	0	0	0	0	1,698
Transportation Funding Package - Lid Lift	0	100	0	0	0	0	0	0	100
Private Funding/Donations	34	250	0	0	0	0	0	0	284
2009 Multipurpose LTGO Bond Fund	1,006	0	0	0	0	0	0	0	1,006
2011 Multipurpose LTGO bond Fund	975	225	0	0	0	0	0	0	1,200
<b>Total:</b>	2,500	4,289	0	0	0	0	0	0	6,789
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	172	2,328	0	0	0	0	0	0	2,500
Transportation Operating Fund	347	1,735	0	0	0	0	0	0	2,082
2009 Multipurpose LTGO Bond Fund	1,006	0	0	0	0	0	0	0	1,006
2011 Multipurpose LTGO Bond Fund	975	225	0	0	0	0	0	0	1,200
<b>Total*:</b>	2,500	4,289	0	0	0	0	0	0	6,789
<b>O &amp; M Costs (Savings)</b>			20	21	22	23	24	25	135

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Spending Plan by Fund**

Cumulative Reserve Subfund - Unrestricted Subaccount	2,328	0	0	0	0	0	0	2,328
Transportation Operating Fund	1,575	110	30	20	0	0	0	1,735
2009 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2011 Multipurpose LTGO Bond Fund	225	0	0	0	0	0	0	225
<b>Total:</b>	4,129	110	30	20	0	0	0	4,289

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Collision Evaluation Program

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC323860	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This program identifies locations that have high numbers of collisions; performs reviews of high collision locations; identifies and designs improvements to enhance safety at these locations; and facilitates installation of these improvements. High collision locations identified include signalized and unsignalized intersections, mid-block locations, locations having high numbers of pedestrian collisions and locations having high numbers of bike collisions. Improvements identified by this program tend to be low-cost. They tend to involve signal modifications or changes to signs and striping.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	572	0	0	0	0	0	0	0	572
Transportation Funding Package - Parking Tax	362	423	0	0	0	0	0	0	784
Transportation Funding Package - Business Transportation Tax	102	0	0	0	0	0	0	0	102
Transportation Funding Package - Lid Lift	407	11	0	0	0	0	0	0	418
State Gas Taxes - Arterial City Street Fund	97	136	120	123	122	126	130	134	987
Transportation Move Seattle Levy - Lid Lift	0	49	50	52	53	54	55	56	369
<b>Total:</b>	1,538	618	170	175	175	180	185	190	3,232
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	1,538	618	170	175	175	180	185	190	3,232
<b>Total*:</b>	1,538	618	170	175	175	180	185	190	3,232
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		618	170	175	175	180	185	190	1,693
<b>Total:</b>		618	170	175	175	180	185	190	1,693

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Columbia Two-Way Street Improvements**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q4/2014
<b>Project ID:</b>	TC367640	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Columbia ST/1st AVE/3rd AVE		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project consists of reconstructing Columbia between 1st & 3rd to a two-way roadway. Elements of the design and construction project will include, but is not limited to, pavement reconstruction/overlay, striping, signals, curb, sidewalk, drainage and other elements necessary to deliver a two-way roadway for transit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	15	0	0	0	0	0	0	15
King County Funds	181	4,261	43	0	0	0	0	0	4,485
<b>Total:</b>	181	4,276	43	0	0	0	0	0	4,500

**Fund Appropriations/Allocations**

Transportation Operating Fund	181	4,276	43	0	0	0	0	0	4,500
<b>Total*:</b>	181	4,276	43	0	0	0	0	0	4,500

**Spending Plan by Fund**

Transportation Operating Fund	1,189	3,130	0	0	0	0	0	0	4,319
<b>Total:</b>	1,189	3,130	0	0	0	0	0	0	4,319

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Debt Service - CRF**

<b>BCL/Program Name:</b>	Debt Service Program	<b>BCL/Program Code:</b>	18002D
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC320060	<b>End Date:</b>	ONGOING
<b>Location:</b>	N/A		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project funds debt service for the following projects: Alaskan Way Viaduct/Tunnel & Seawall– TC366050 and Fremont Bridge Approaches and Electrical Major Maintenance – TC365790.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	18,669	1,353	1,306	812	814	815	815	813	25,398
2006 LTGO Bond	610	0	0	0	0	0	0	0	610
<b>Total:</b>	19,279	1,353	1,306	812	814	815	815	813	26,008
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	18,669	1,353	1,306	812	814	815	815	813	25,398
2006 LTGO Capital Projects Fund	610	0	0	0	0	0	0	0	610
<b>Total*:</b>	19,279	1,353	1,306	812	814	815	815	813	26,008
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		1,353	1,306	812	814	815	815	813	6,729
2006 LTGO Capital Projects Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		1,353	1,306	812	814	815	815	813	6,729

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Delridge Multimodal Corridor

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q3/2016
<b>Project ID:</b>	TC367810	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Delridge AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Delridge	<b>Urban Village:</b>	Not in an Urban Village

This project improves pavement conditions, enhances safety, and improves traffic operation for all modes. The project will add transit lanes and improve transit speed and reliability. It includes protected bike lanes, sidewalk improvements, and amenities for walkers and transit riders along the corridor. It will streamline traffic operations and improve multimodal connections between transit, freight, pedestrians, and general-purpose vehicles.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	300	500	1,000	4,200	3,500	0	0	9,500
<b>Total:</b>	0	300	500	1,000	4,200	3,500	0	0	9,500
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	300	500	1,000	4,200	3,500	0	0	9,500
<b>Total*:</b>	0	300	500	1,000	4,200	3,500	0	0	9,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

Elliott Bay Seawall Project

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367320	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Alaskan WAY/S Washington ST/Virginia ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	In more than one Urban Village

This project, created in 2013, is a critical public safety project to replace the existing seawall from S. Washington Street to Virginia Street with a structure that meets current safety and design standards. The project will also improve the nearshore ecosystem of Elliott Bay and provide opportunities for recreation and shoreline access. Costs incurred prior to 2013 are included in the Alaskan Way Viaduct Replacement project (TC66050).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	13,100	10,000	0	0	0	0	0	23,100
King County Funds	21,480	0	0	0	0	0	0	0	21,480
State Grant Funds	106	0	0	0	0	0	0	0	106
User Fees	10	750	0	0	0	0	0	0	760
Commercial Parking Tax	0	2,750	0	0	0	0	0	0	2,750
2017 Multipurpose LTGO Bond Fund	0	0	30,421	0	0	0	0	0	30,421
2018 Multipurpose LTGO Bond Fund	0	0	0	14,579	0	0	0	0	14,579
2012 Multipurpose LTGO Bond Fund	2,800	0	0	0	0	0	0	0	2,800
Seawall Levy	237,103	43,577	720	0	0	0	0	0	281,400
Parking Garage Disposition Proceeds	0	700	1,400	0	0	0	0	0	2,100
<b>Total:</b>	261,498	60,877	42,541	14,579	0	0	0	0	379,495
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	13,100	10,000	0	0	0	0	0	23,100
Transportation Operating Fund	21,595	3,500	30,421	14,579	0	0	0	0	70,095
2012 Multipurpose LTGO Bond Fund	2,800	0	0	0	0	0	0	0	2,800
Alaskan Way Seawall Construction Fund	237,103	43,577	720	0	0	0	0	0	281,400
Parking Garage Disposition Proceeds Fund	0	700	1,400	0	0	0	0	0	2,100
<b>Total*:</b>	261,498	60,877	42,541	14,579	0	0	0	0	379,495
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

## Spending Plan by Fund

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	13,100	10,000	0	0	0	0	0	23,100
Transportation Operating Fund	3,500	30,421	14,579	0	0	0	0	48,500
2012 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
Alaskan Way Seawall Construction Fund	43,577	720	0	0	0	0	0	44,297
Parking Garage Disposition Proceeds Fund	700	1,400	0	0	0	0	0	2,100
<b>Total:</b>	<b>60,877</b>	<b>42,541</b>	<b>14,579</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>117,997</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Fauntleroy Way SW Boulevard

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	TC367200	<b>End Date:</b>	TBD
<b>Location:</b>	Fauntleroy WAY SW/35th AVE SW/SW Alaska ST		
<b>Neighborhood Plan:</b>	West Seattle Junction (FOJ)	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	West Seattle Junction

This project transforms Fauntleroy Way SW into a boulevard. The project elements include: a planted median, signature lighting fixtures, a protected bicycle facility, a pedestrian zone with sidewalks and planting areas including street trees, pedestrian lighting, potential stormwater infrastructure and art, as well as safety improvements for crossing movements for all modes, including bicycle and pedestrian crossings, signals, reconfigured intersections and bulbs, and pavement improvements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	843	636	0	0	0	0	0	0	1,479
Real Estate Excise Tax I	71	0	0	0	0	0	0	0	71
Street Vacations - SVF	0	500	0	0	0	0	0	0	500
Transportation Funding Package - Parking Tax	0	200	0	0	0	0	0	0	200
Rubble Yard Proceeds	250	0	0	0	0	0	0	0	250
Transportation Move Seattle Levy - Lid Lift	0	100	700	7,600	7,600	0	0	0	16,000
<b>Total:</b>	1,164	1,436	700	7,600	7,600	0	0	0	18,500
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	843	636	0	0	0	0	0	0	1,479
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	71	0	0	0	0	0	0	0	71
Cumulative Reserve Subfund - Street Vacation Subaccount	0	500	0	0	0	0	0	0	500
Transportation Operating Fund	250	300	700	7,600	7,600	0	0	0	16,450
<b>Total*:</b>	1,164	1,436	700	7,600	7,600	0	0	0	18,500
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

## Spending Plan by Fund

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	636	0	0	0	0	0	636
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Street Vacation Subaccount	0	500	0	0	0	0	0	500
Transportation Operating Fund	100	900	7,600	7,600	0	0	0	16,200
<b>Total:</b>	100	2,036	7,600	7,600	0	0	0	17,336

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

First Hill Streetcar

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2009
<b>Project ID:</b>	TC367100	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project constructs a modern, low-floor streetcar system connecting First Hill employment centers to the regional Link light rail system, including but not limited to the International District/Chinatown Station and the Capitol Hill Station (at Broadway and John Street). The system will provide reliable, frequent service with headways of approximately 10 minutes during peak periods. Service will operate 5 AM to 1 AM Monday through Saturday. On Sundays and holidays, service will operate 10 AM to 8 PM. A streetcar operations and maintenance facility and procurement of a six-vehicle streetcar fleet is also included in the scope of the project.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Funding Package - Parking Tax	2,217	301	0	0	0	0	0	0	2,518
Sound Transit Funds	132,579	0	0	0	0	0	0	0	132,579
<b>Total:</b>	134,796	301	0	0	0	0	0	0	135,097
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	134,796	301	0	0	0	0	0	0	135,097
<b>Total*:</b>	134,796	301	0	0	0	0	0	0	135,097
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		301	0	0	0	0	0	0	301
<b>Total:</b>		301	0	0	0	0	0	0	301

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Freight Spot Improvement Program**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	TC365850	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project includes small scale mobility improvements to the City's street system to improve connections between port facilities, railroad intermodal yards, industrial businesses, the regional highway system, and the first and last miles in the supply chain. Project types include turning radius adjustments, channelization changes, left-turn improvements, and signage to direct freight to destinations and alert drivers to steep grades or sharp turns.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	127	0	0	0	0	0	0	0	127
Street Vacations - SVF	126	130	0	0	0	0	0	0	256
State Gas Taxes - Arterial City Street Fund	1,478	0	0	0	0	0	0	0	1,478
State Grant Funds	0	156	0	0	0	0	0	0	156
Rubble Yard Proceeds	793	107	0	0	0	0	0	0	900
Transportation Move Seattle Levy - Lid Lift	0	1,500	1,500	1,500	1,500	1,500	1,500	1,500	10,500
<b>Total:</b>	2,524	1,893	1,500	1,500	1,500	1,500	1,500	1,500	13,417
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	127	0	0	0	0	0	0	0	127
Cumulative Reserve Subfund - Street Vacation Subaccount	126	130	0	0	0	0	0	0	256
Transportation Operating Fund	2,271	1,763	1,500	1,500	1,500	1,500	1,500	1,500	13,034
<b>Total*:</b>	2,524	1,893	1,500	1,500	1,500	1,500	1,500	1,500	13,417
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Street Vacation Subaccount		130	0	0	0	0	0	0	130
Transportation Operating Fund		1,646	1,617	1,500	1,500	1,500	1,500	1,500	10,763
<b>Total:</b>		1,776	1,617	1,500	1,500	1,500	1,500	1,500	10,893

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Graham Street Station

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367780	<b>End Date:</b>	TBD
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Columbia City/Hillman City	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Southeast	<b>Urban Village:</b>	Columbia City

This project funds the City's portion of an infill light rail station on the Sound Transit Central Link line near Martin Luther King Jr. Way South at South Graham Street, between the existing Columbia City and Othello Stations. The station would be in the northern portion of the MLK at Holly St Residential Urban Village. Funding from the Move Seattle Levy package is used to leverage a future partnership with Sound Transit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	5	0	0	0	0	0	0	5
<b>Total:</b>	0	5	0	0	0	0	0	0	5
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	5	0	0	0	0	0	0	5
<b>Total*:</b>	0	5	0	0	0	0	0	0	5

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

Greenwood Avenue Sidewalks

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	TC367530	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Greenwood AVE N/NW 92nd ST/NW 105th ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Not in an Urban Village

The project encompasses consolidation and relocation of bus stops, construction of bus islands (to retain the bike lanes in each direction), continuous curb, gutter and sidewalk on the east side, drainage improvements,.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	5	265	0	0	0	0	0	0	270
Street Vacations - SVF	17	0	0	0	0	0	0	0	17
Transportation Funding Package - Parking Tax	13	500	0	0	0	0	0	0	512
Transportation Funding Package - Business Transportation Tax	68	1	0	0	0	0	0	0	69
Transportation Funding Package - Lid Lift	1,284	546	0	0	0	0	0	0	1,830
State Gas Taxes - Arterial City Street Fund	31	3	0	0	0	0	0	0	35
State Grant Funds	463	307	0	0	0	0	0	0	770
<b>Total:</b>	1,881	1,622	0	0	0	0	0	0	3,504

<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	5	265	0	0	0	0	0	0	270
Cumulative Reserve Subfund - Street Vacation Subaccount	17	0	0	0	0	0	0	0	17
Transportation Operating Fund	1,860	1,357	0	0	0	0	0	0	3,217
<b>Total*:</b>	1,881	1,622	0	0	0	0	0	0	3,504

<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		265	0	0	0	0	0	0	265
Cumulative Reserve Subfund - Street Vacation Subaccount		0	0	0	0	0	0	0	0
Transportation Operating Fund		1,330	27	0	0	0	0	0	1,357
<b>Total:</b>		1,595	27	0	0	0	0	0	1,622

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Hazard Mitigation Program - Areaways**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365480	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Pioneer Square	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Pioneer Square

This ongoing program implements inspection and repair of areaways to reduce risks to City facilities and the general public. Areaways are usable space, generally in the street right-of-way, constructed under sidewalks between a building foundation and the street wall. Typical improvements may include, but are not limited to, repairs to the existing areaway and/or filling the areaway with lightweight concrete. Improving these areaways is an action included in the South Downtown Strategic Plan.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	4,485	1,203	330	331	332	333	334	343	7,691
Federal Grant Funds	442	0	0	0	0	0	0	0	442
City Light Fund Revenues	19	0	0	0	0	0	0	0	19
State Gas Taxes - Arterial City Street Fund	0	72	24	32	40	48	56	57	329
General Subfund Revenues	240	0	0	0	0	0	0	0	240
Private Funding/Donations	10	0	0	0	0	0	0	0	10
State Grant Funds	74	0	0	0	0	0	0	0	74
<b>Total:</b>	5,270	1,275	354	363	372	381	390	400	8,804
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	4,485	1,203	330	331	332	333	334	343	7,691
Transportation Operating Fund	784	72	24	32	40	48	56	57	1,114
<b>Total*:</b>	5,270	1,275	354	363	372	381	390	400	8,804
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		432	1,101	331	332	333	334	343	3,205
Transportation Operating Fund		46	50	32	40	48	56	57	329
<b>Total:</b>		478	1,151	363	372	381	390	400	3,535

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Hazard Mitigation Program - Landslide Mitigation Projects**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365510	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This project enables SDOT to address and repair landslide concerns that affect the right-of-way. The Landslide Mitigation Program provides SDOT with staff and resources to identify and prioritize landslide concerns, to undertake reconnaissance engineering and geotechnical studies of problem areas, and to make repairs at the highest priority locations, usually where landslide concerns have caused the roadway to be partially or completely closed.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	4,816	598	200	200	200	200	200	200	6,614
Emergency Subfund Revenues	395	0	0	0	0	0	0	0	395
Drainage and Wastewater Rates	49	0	0	0	0	0	0	0	49
Federal Grant Funds	1,301	0	0	0	0	0	0	0	1,301
State Gas Taxes - Arterial City Street Fund	911	384	227	240	253	266	273	278	2,833
General Subfund Revenues	1	0	0	0	0	0	0	0	1
Private Funding/Donations	22	0	0	0	0	0	0	0	22
User Fees	184	1,041	0	0	0	0	0	0	1,225
<b>Total:</b>	7,679	2,024	427	440	453	466	473	478	12,440
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	4,816	598	200	200	200	200	200	200	6,614
Emergency Subfund	395	0	0	0	0	0	0	0	395
Transportation Operating Fund	2,468	1,426	227	240	253	266	273	278	5,431
<b>Total*:</b>	7,679	2,024	427	440	453	466	473	478	12,440
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Heavy Haul Corridor Program

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367590	<b>End Date:</b>	TBD
<b>Location:</b>	E Marginal WAY		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project includes mobility improvements to the City's street system to support heavy haul freight mobility between port facilities and railroad intermodal yards. The project may include adding an additional layer of concrete on East Marginal Way South to support the increased weight of vehicles traveling on the road. The total project cost is estimated to be from \$3 to \$4 million. The Move Seattle funding represents the City's contribution to the project. The remaining amount is expected to come from the Port of Seattle.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	0	0	0	0	2,000	3,000	0	5,000
<b>Total:</b>	0	0	0	0	0	2,000	3,000	0	5,000
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	0	0	0	0	2,000	3,000	0	5,000
<b>Total*:</b>	0	0	0	0	0	2,000	3,000	0	5,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**King Street Station Tenant Improvements**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q2/2016
<b>Project ID:</b>	TC367840	<b>End Date:</b>	Q4/2017
<b>Location:</b>	301 S Jackson ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Pioneer Square

This project will make tenant improvements to the second and third floors of King Street Station to make these uninhabited spaces ready for occupation by the Office of Arts and Culture. Tenant improvements will include installation of HVAC and electrical connections, bathrooms, office space, finishes, and restoration of historic areas. The tenant improvements will incorporate features consistent with the City's Sustainable Building Policy and the full restoration and rehabilitation of the building, which was completed by SDOT in 2013.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Interdepartmental Transfer	0	250	0	0	0	0	0	0	250
2017 Multipurpose LTGO Bond Fund	0	0	1,800	0	0	0	0	0	1,800
<b>Total:</b>	0	250	1,800	0	0	0	0	0	2,050
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	250	0	0	0	0	0	0	250
2017 Multipurpose LTGO Bond Fund	0	0	1,800	0	0	0	0	0	1,800
<b>Total*:</b>	0	250	1,800	0	0	0	0	0	2,050

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Linden Avenue North Complete Streets

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	TC366930	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Linden Ave N/N 128th St/N 145th St		
<b>Neighborhood Plan:</b>	Broadview-Bitter Lake-Haller Lake	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Bitter Lake Village

This project constructs road improvements on Linden Avenue North from N 128th Street to N 145th Street. Improvements include, but are not limited to concrete sidewalks, curb and gutters, pedestrian crossings and curb ramps, buffered bicycle lanes, and asphalt road replacement. The improvements will provide pedestrian, drainage and roadway improvements, and complete the final link in the Interurban Trail North.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	730	0	0	0	0	0	0	0	730
Street Vacations - SVF	400	18	0	0	0	0	0	0	418
Transportation Funding Package - Parking Tax	1,603	0	0	0	0	0	0	0	1,603
City Light Fund Revenues	74	0	0	0	0	0	0	0	74
State Gas Taxes - Arterial City Street Fund	0	10	0	0	0	0	0	0	10
2011 Multipurpose LTGO bond Fund	1,439	16	0	0	0	0	0	0	1,455
2012 Multipurpose LTGO Bond Fund	5,085	0	0	0	0	0	0	0	5,085
<b>Total:</b>	9,331	44	0	0	0	0	0	0	9,375
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	730	0	0	0	0	0	0	0	730
Cumulative Reserve Subfund - Street Vacation Subaccount	400	18	0	0	0	0	0	0	418
Transportation Operating Fund	1,677	10	0	0	0	0	0	0	1,687
2011 Multipurpose LTGO Bond Fund	1,439	16	0	0	0	0	0	0	1,455
2012 Multipurpose LTGO Bond Fund	5,085	0	0	0	0	0	0	0	5,085
<b>Total*:</b>	9,331	44	0	0	0	0	0	0	9,375
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Street Vacation Subaccount	0	18	0	0	0	0	0	18
Transportation Operating Fund	0	0	10	0	0	0	0	10
2011 Multipurpose LTGO Bond Fund	16	0	0	0	0	0	0	16
2012 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
<b>Total:</b>	16	18	10	0	0	0	0	44

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Madison Street Bus Rapid Transit**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367480	<b>End Date:</b>	Q4/2019
<b>Location:</b>	Madison ST/Alaskan WAY/Martin Luther King Junior WAY E		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will include concept design and environmental review of high-capacity transit and multimodal improvements in the Madison corridor between Alaskan Way and Martin Luther King Jr. Way, connecting the Central Area with the First Hill, Downtown, and Waterfront neighborhoods. The project is identified as a priority in the Transit Master Plan. This project will consider different electric trolley bus rapid transit options in determining the most effective approach to transit service within the project area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	97	53	0	0	0	0	0	0	150
Vehicle Licensing Fees	398	602	0	0	0	0	0	0	1,000
Transportation Funding Package - Lid Lift	855	0	0	0	0	0	0	0	855
Interdepartmental Transfer	9	0	0	0	0	0	0	0	9
Transportation Move Seattle Levy - Lid Lift	0	4,000	2,200	3,800	5,000	0	0	0	15,000
<b>Total:</b>	1,359	4,655	2,200	3,800	5,000	0	0	0	17,014
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	97	53	0	0	0	0	0	0	150
Transportation Operating Fund	1,262	4,602	2,200	3,800	5,000	0	0	0	16,864
<b>Total*:</b>	1,359	4,655	2,200	3,800	5,000	0	0	0	17,014
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Magnolia Bridge Replacement Project**

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	TC366060	<b>End Date:</b>	TBD
<b>Location:</b>	W Garfield St/15th Ave W/Thorndyke Ave W		
<b>Neighborhood Plan:</b>	BINMIC (Ballard Interbay Northend)	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Ballard Interbay

The environmental analysis for replacing this bridge evaluated several possible alternatives including rehabilitation of the existing structure. In 2007, an environmental assessment was published and described the preferred alternative, a new bridge south of and adjacent to the existing bridge. The Type, Size and Location (TS&L) Report was completed in 2007, selecting a concrete box girder supported on flared columns as the appropriate structure type for this new bridge. The structure will be a haunched concrete box at the highly visible section of the bridge over 15th Avenue NW and at the westerly high level bluff section. Current available funds will only allow completion of 50% of the design and contract plans. Funding to complete the design, purchase the necessary right-of-way, and construct the new bridge has not been identified. The estimate to complete the project is \$300-350 million.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	339	0	0	0	0	0	0	0	339
Street Vacations - SVF	40	0	0	0	0	0	0	0	40
Vehicle Licensing Fees	100	0	0	0	0	0	0	0	100
Federal Grant Funds	8,950	0	0	0	0	0	0	0	8,950
Transportation Funding Package - Parking Tax	211	0	0	0	0	0	0	0	211
Transportation Funding Package - Business Transportation Tax	84	0	0	0	0	0	0	0	84
Transportation Funding Package - Lid Lift	131	0	0	0	0	0	0	0	131
State Gas Taxes - Arterial City Street Fund	114	0	0	0	0	0	0	0	114
General Subfund Revenues	53	0	0	0	0	0	0	0	53
<b>Total:</b>	10,021	0	0	0	0	0	0	0	10,021
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	339	0	0	0	0	0	0	0	339
Cumulative Reserve Subfund - Street Vacation Subaccount	40	0	0	0	0	0	0	0	40
Transportation Operating Fund	9,642	0	0	0	0	0	0	0	9,642
<b>Total*:</b>	10,021	0	0	0	0	0	0	0	10,021
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Market / 45th Multimodal Corridor**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	TC367790	<b>End Date:</b>	Q4/2021
<b>Location:</b>	NW Market ST/N 45th ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project enhances transit speed and reliability on one of the city's primary east-west corridors and most chronically congested routes. The project adds intelligent transportation systems such as transit signal priority to improve bus travel times. It installs upgrades to transit stops and offers other rider amenities and enhances connections to northwest Seattle as well as the Ballard-Interbay Manufacturing Industrial Center.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	0	0	0	900	6,100	2,500	0	9,500
<b>Total:</b>	0	0	0	0	900	6,100	2,500	0	9,500
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	0	0	0	900	6,100	2,500	0	9,500
<b>Total*:</b>	0	0	0	0	900	6,100	2,500	0	9,500

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Mercer Corridor Project

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	TC365500	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Mercer St/Fairview Ave N/Dexter Ave N		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	In more than one Urban Village

This project, part of the Bridging the Gap funding package, implements a comprehensive package of transportation improvements in the Mercer Corridor in South Lake Union. Improvements include, but are not limited to, a widened two-way Mercer St., improved pedestrian safety and access to Lake Union Park, and enhanced neighborhood circulation for all modes. The project aims to use existing street capacity more efficiently and enhance all modes of travel, including pedestrian mobility.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	361	0	0	0	0	0	0	0	361
South Lake Union Property Sale Proceeds	50	0	0	0	0	0	0	0	50
Drainage and Wastewater Rates	1,780	0	0	0	0	0	0	0	1,780
Federal Grant Funds	10,598	0	0	0	0	0	0	0	10,598
Transportation Funding Package - Parking Tax	2,594	0	0	0	0	0	0	0	2,594
City Light Fund Revenues	6,261	0	0	0	0	0	0	0	6,261
State Gas Taxes - Arterial City Street Fund	1,150	0	0	0	0	0	0	0	1,150
General Subfund Revenues	194	0	0	0	0	0	0	0	194
Private Funding/Donations	30,092	302	0	0	0	0	0	0	30,395
Water Rates	2,129	0	0	0	0	0	0	0	2,129
Federal ARRA Funds: FHWA Highway Infrastructure Investment	30,000	0	0	0	0	0	0	0	30,000
2005 LTGO Bond	1,912	0	0	0	0	0	0	0	1,912
Transportation Bond Funds	4,560	0	0	0	0	0	0	0	4,560
2002B LTGO Bond	400	0	0	0	0	0	0	0	400
2003 LTGO Bond	600	0	0	0	0	0	0	0	600
2006 LTGO Bond	2,500	0	0	0	0	0	0	0	2,500
2007 Multipurpose LTGO Bond	16,300	0	0	0	0	0	0	0	16,300
2008 Multipurpose LTGO Bond Fund	38,211	0	0	0	0	0	0	0	38,211
<b>Total:</b>	149,691	302	0	0	0	0	0	0	149,994

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	361	0	0	0	0	0	0	0	361
Cumulative Reserve Subfund - South Lake Union Property Proceeds Subaccount	50	0	0	0	0	0	0	0	50
Transportation Operating Fund	84,797	302	0	0	0	0	0	0	85,099
2005 LTGO Capital Project Fund	1,912	0	0	0	0	0	0	0	1,912
Transportation Bond Fund	4,560	0	0	0	0	0	0	0	4,560
2002B LTGO Capital Project Fund	400	0	0	0	0	0	0	0	400
2003 LTGO Capital Project Fund	600	0	0	0	0	0	0	0	600
2006 LTGO Capital Projects Fund	2,500	0	0	0	0	0	0	0	2,500
2007 Multipurpose LTGO Bond Fund	16,300	0	0	0	0	0	0	0	16,300
2008 Multipurpose LTGO Bond Fund	38,211	0	0	0	0	0	0	0	38,211
<b>Total*:</b>	149,691	302	0	0	0	0	0	0	149,994
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

**Spending Plan by Fund**

Transportation Operating Fund	167	115	20	0	0	0	0	0	302
<b>Total:</b>	167	115	20	0	0	0	0	0	302

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Mercer Corridor Project West Phase

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	TC367110	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Mercer ST/Elliott AVE W/Dexter AVE N		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project converts 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 Fifth Ave N and Queen Anne Ave, will also be converted to a two-way street with on-road bicycle lanes.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Street Vacations -CRSU	1,698	1,651	0	0	0	0	0	0	3,349
Drainage and Wastewater Rates	1,042	0	0	0	0	0	0	0	1,042
Federal Grant Funds	8,098	0	0	0	0	0	0	0	8,098
City Light Fund Revenues	4,634	200	0	0	0	0	0	0	4,834
King County Funds	982	0	0	0	0	0	0	0	982
Private Funding/Donations	1,286	0	0	0	0	0	0	0	1,286
State Grant Funds	5,350	0	0	0	0	0	0	0	5,350
Property Sales and Interest Earnings	12,733	8,482	0	0	0	0	0	0	21,215
Water Rates	642	0	0	0	0	0	0	0	642
Federal ARRA Funds: FHWA Highway Infrastructure Investment	14,000	0	0	0	0	0	0	0	14,000
Rubble Yard Proceeds	100	0	0	0	0	0	0	0	100
2010 Multipurpose LTGO Bond Fund	12,100	0	0	0	0	0	0	0	12,100
2011 Multipurpose LTGO bond Fund	13,110	0	0	0	0	0	0	0	13,110
2012 Multipurpose LTGO Bond Fund	5,000	0	0	0	0	0	0	0	5,000
<b>Total:</b>	<b>80,774</b>	<b>10,333</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>91,107</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Unrestricted Subaccount	1,698	1,651	0	0	0	0	0	0	3,349
Transportation Operating Fund	48,866	8,682	0	0	0	0	0	0	57,547
2010 Multipurpose LTGO Bond Fund	12,100	0	0	0	0	0	0	0	12,100
2011 Multipurpose LTGO Bond Fund	13,110	0	0	0	0	0	0	0	13,110
2012 Multipurpose LTGO Bond Fund	5,000	0	0	0	0	0	0	0	5,000
<b>Total*:</b>	<b>80,774</b>	<b>10,333</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>91,107</b>

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0

**Spending Plan by Fund**

Cumulative Reserve Subfund - Unrestricted Subaccount	372	1,079	40	40	40	40	40	40	1,651
Transportation Operating Fund	7,437	1,245	0	0	0	0	0	0	8,682
2010 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0	0
2011 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0	0
2012 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0	0
<b>Total:</b>	<b>7,809</b>	<b>2,324</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>40</b>	<b>10,333</b>

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Miscellaneous, Unforeseen, and Emergencies**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC320030	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This program provides a financial reserve for work that cannot be anticipated during the annual CIP planning process. The reserve is used on a project-specific basis when emergencies are identified.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	388	0	0	0	0	0	0	0	388
Street Vacations - SVF	1,128	0	0	0	0	0	0	0	1,128
Federal Grant Funds	73	0	0	0	0	0	0	0	73
Transportation Funding Package - Parking Tax	18	0	0	0	0	0	0	0	18
Transportation Funding Package - Lid Lift	34	0	0	0	0	0	0	0	34
State Gas Taxes - Arterial City Street Fund	339	0	0	0	0	0	0	0	339
General Subfund Revenues	305	0	0	0	0	0	0	0	305
Private Funding/Donations	224	0	0	0	0	0	0	0	224
<b>Total:</b>	2,509	0	0	0	0	0	0	0	2,509
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	388	0	0	0	0	0	0	0	388
Cumulative Reserve Subfund - Street Vacation Subaccount	1,128	0	0	0	0	0	0	0	1,128
Transportation Operating Fund	993	0	0	0	0	0	0	0	993
<b>Total*:</b>	2,509	0	0	0	0	0	0	0	2,509
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Neighborhood Large Projects

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367250	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This program enhances the safety, quality and condition of the pedestrian and neighborhood environments. Typical improvements may include, but are not limited to, sidewalk construction, repairs and replacement, installation of curb bulbs or other traffic calming devices, and improvements to crosswalks. The projects are funded by the Move Seattle transportation levy and it is a triennial program. The projects funded are identified by the community and prioritized by the District Councils and the Move Seattle Oversight Committee.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	380	150	0	0	0	0	0	0	530
Federal Grant Funds	99	213	0	0	0	0	0	0	312
Transportation Funding Package - Parking Tax	0	82	0	0	0	0	0	0	82
Transportation Funding Package - Lid Lift	4,681	1,155	0	0	0	0	0	0	5,836
King County Funds	20	4	0	0	0	0	0	0	23
Private Funding/Donations	60	0	0	0	0	0	0	0	60
Property Sales and Interest Earnings	0	200	0	0	0	0	0	0	200
Transportation Move Seattle Levy - Lid Lift	0	2,675	25	5,550	670	3,100	5,515	320	17,855
<b>Total:</b>	5,240	4,479	25	5,550	670	3,100	5,515	320	24,899
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	380	150	0	0	0	0	0	0	530
Transportation Operating Fund	4,860	4,330	25	5,550	670	3,100	5,515	320	24,369
<b>Total*:</b>	5,240	4,479	25	5,550	670	3,100	5,515	320	24,899
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		150	0	0	0	0	0	0	150
Transportation Operating Fund		2,515	1,840	5,550	670	3,100	5,515	320	19,510
<b>Total:</b>		2,664	1,840	5,550	670	3,100	5,515	320	19,659

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Neighborhood Traffic Control Program

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC323250	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program installs traffic calming devices citywide, primarily neighborhood traffic circles, in response to investigations of citizen requests. The program also installs some mid-block traffic calming devices such as speed humps, as well as residential street speed limit signs and warning signs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	525	71	0	0	0	0	0	0	596
Property Sales and Interest Earnings	253	0	0	0	0	0	0	0	253
Vehicle Licensing Fees	1,423	308	298	298	298	298	298	298	3,519
Federal Grant Funds	37	0	0	0	0	0	0	0	37
State Gas Taxes - Arterial City Street Fund	4,386	0	0	0	0	0	0	0	4,386
General Subfund Revenues	384	0	0	0	0	0	0	0	384
Rubble Yard Proceeds	576	30	0	0	0	0	0	0	606
<b>Total:</b>	7,584	409	298	298	298	298	298	298	9,781
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	525	71	0	0	0	0	0	0	596
Cumulative Reserve Subfund - Unrestricted Subaccount	253	0	0	0	0	0	0	0	253
Transportation Operating Fund	6,806	338	298	298	298	298	298	298	8,932
<b>Total*:</b>	7,584	409	298	298	298	298	298	298	9,781
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### New Traffic Signals

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367700	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project installs new traffic signals or significant capital improvements to existing signals to improve traffic flow, reduce the frequency and severity of traffic collisions, and support pedestrian, bicycle or transit activity. Location choices are based upon pedestrian, bicycle and vehicle volumes; school, senior citizen, and handicapped accessible crossing requirements; transit speed and reliability; and collisions frequency criteria.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Funding Package - Parking Tax	0	116	238	242	247	251	254	254	1,600
Transportation Move Seattle Levy - Lid Lift	0	382	277	285	293	301	310	317	2,165
<b>Total:</b>	0	498	515	527	540	552	563	571	3,765

#### Fund Appropriations/Allocations

Transportation Operating Fund	0	498	515	527	540	552	563	571	3,765
<b>Total*:</b>	0	498	515	527	540	552	563	571	3,765

#### Spending Plan by Fund

Transportation Operating Fund		498	515	527	540	552	563	571	3,765
<b>Total:</b>		498	515	527	540	552	563	571	3,765

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Next Generation Intelligent Transportation Systems (ITS)**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q3/2013
<b>Project ID:</b>	TC367430	<b>End Date:</b>	Q4/2021
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will design and implement upgrades to the Traffic Management Center (TMC); implement expansion of real-time information such as traffic cameras, sensors, and travel time to support major construction projects; deploy Dynamic Messaging Signs (DMS) at key decision points to provide real-time information such as incidents, travel times, bridge opening notices, and planned construction and event information; and install dynamic signal timing (self adjusting traffic signal timing based on traffic volume on key corridors around the major construction projects). This project also includes replacing the City's traffic cameras; this requires an investment of \$600,000 per year for four years (2015-2018).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,974	2,576	0	0	0	0	0	0	4,550
Transportation Funding Package - Parking Tax	564	1,336	0	0	0	0	0	0	1,900
Transportation Funding Package - Lid Lift	1,100	1,380	500	0	0	0	0	0	2,980
State Gas Taxes - City Street Fund	0	0	100	600	0	0	0	0	700
User Fees	215	1,285	0	0	0	0	0	0	1,500
Transportation Move Seattle Levy - Lid Lift	0	2,000	2,200	2,200	2,600	2,600	2,600	2,600	16,800
<b>Total:</b>	3,852	8,578	2,800	2,800	2,600	2,600	2,600	2,600	28,430
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,974	2,576	0	0	0	0	0	0	4,550
Transportation Operating Fund	1,879	6,001	2,800	2,800	2,600	2,600	2,600	2,600	23,880
<b>Total*:</b>	3,852	8,578	2,800	2,800	2,600	2,600	2,600	2,600	28,430
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		2,083	494	0	0	0	0	0	2,576
Transportation Operating Fund		5,001	3,800	2,800	2,600	2,600	2,600	2,600	22,001
<b>Total:</b>		7,084	4,294	2,800	2,600	2,600	2,600	2,600	24,578

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Non-Arterial Street Resurfacing and Restoration**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367710	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project repairs and/or replaces deteriorated asphalt pavement and/or concrete panels on non-arterial streets. Project locations are chosen annually based upon the degree of deterioration as confirmed by Department staff field observations, citizen service requests, claims, and potential City liability. High priority is given to non-arterial streets used by transit, in areas with heavy pedestrian and bicycle traffic, and which serve business and industry.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	650	1,150	1,150	1,150	1,150	1,150	1,150	7,550
Street Vacations -CRSU	0	500	0	0	0	0	0	0	500
Vehicle Licensing Fees	0	150	150	150	150	150	150	150	1,050
State Gas Taxes - Arterial City Street Fund	0	410	421	433	466	488	492	507	3,217
<b>Total:</b>	0	1,710	1,721	1,733	1,766	1,788	1,792	1,807	12,317
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	650	1,150	1,150	1,150	1,150	1,150	1,150	7,550
Cumulative Reserve Subfund - Unrestricted Subaccount	0	500	0	0	0	0	0	0	500
Transportation Operating Fund	0	560	571	583	616	638	642	657	4,267
<b>Total*:</b>	0	1,710	1,721	1,733	1,766	1,788	1,792	1,807	12,317

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Northgate Bike and Pedestrian Improvements**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367850	<b>End Date:</b>	Q4/2021
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Northgate	<b>Council District:</b>	4
<b>Neighborhood District:</b>	North	<b>Urban Village:</b>	Northgate

This project will construct pedestrian and bicycle improvements to enhance access to the planned Sound Transit Light Rail station at Northgate.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	500	0	0	0	0	0	0	500
Transportation Funding Package - Parking Tax	0	500	0	0	0	0	0	0	500
State Grant Funds	0	500	0	0	0	0	0	0	500
Sound Transit Funds	0	273	601	227	1,170	681	21	0	2,973
<b>Total:</b>	0	1,773	601	227	1,170	681	21	0	4,473
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	500	0	0	0	0	0	0	500
Transportation Operating Fund	0	1,273	601	227	1,170	681	21	0	3,973
<b>Total*:</b>	0	1,773	601	227	1,170	681	21	0	4,473
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		432	68	0	0	0	0	0	500
Transportation Operating Fund		773	1,101	227	1,170	681	21	0	3,973
<b>Total:</b>		1,205	1,168	227	1,170	681	21	0	4,473

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Northgate Bridge and Cycle Track

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367350	<b>End Date:</b>	Q4/2020
<b>Location:</b>	TBD		
<b>Neighborhood Plan:</b>	Northgate	<b>Council District:</b>	4
<b>Neighborhood District:</b>	North	<b>Urban Village:</b>	Northgate

This project will construct pedestrian and bicycle improvements to enhance access to the planned Sound Transit Light Rail station at Northgate. The improvements include a pedestrian and bike bridge over I-5, a cycle track along 1st Avenue NE, and additional improvements in the surrounding area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	0	3,000	0	0	0	0	0	3,000
Street Vacations - SVF	0	1,016	0	0	0	0	0	0	1,016
Federal Grant Funds	1,274	43	0	0	0	0	0	0	1,317
Transportation Funding Package - Lid Lift	200	0	0	0	0	0	0	0	200
State Grant Funds	0	0	0	0	10,000	0	0	0	10,000
Sound Transit Funds	0	0	0	0	3,750	2,674	0	0	6,424
User Fees	890	3,093	0	0	0	0	0	0	3,984
Transportation Move Seattle Levy - Lid Lift	0	736	1,510	679	8,876	3,000	200	0	15,000
To be determined	0	0	0	0	0	0	0	0	0
<b>Total:</b>	2,364	4,889	4,510	679	22,626	5,674	200	0	40,941
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	3,000	0	0	0	0	0	3,000
Cumulative Reserve Subfund - Street Vacation Subaccount	0	1,016	0	0	0	0	0	0	1,016
Transportation Operating Fund	2,364	3,873	1,510	679	22,626	5,674	200	0	36,925
<b>Total*:</b>	2,364	4,889	4,510	679	22,626	5,674	200	0	40,941
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	3,000	0	0	0	0	0	3,000
Cumulative Reserve Subfund - Street Vacation Subaccount		157	247	513	0	100	0	0	1,016
Transportation Operating Fund		785	1,510	1,528	23,686	6,852	200	0	34,561
To Be Determined		0	0	0	0	0	0	0	0
<b>Total:</b>		941	4,756	2,041	23,686	6,952	200	0	38,577

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**NPSF Neighborhood Parks Street Fund**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365770	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program has two elements: an annual program that identifies projects estimated less than \$100,000 that are prioritized by each of the 13 district councils. Typical improvements may include, but are not limited to, sidewalk construction, repairs and replacement, installation of curb bulbs or other traffic calming devices, and improvements to crosswalks. The program enhances the safety, quality and condition of the pedestrian and neighborhood environments.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	14,010	2,353	1,941	0	0	0	0	0	18,304
Real Estate Excise Tax I	0	257	0	0	0	0	0	0	257
Street Vacations - SVF	0	46	0	0	0	0	0	0	46
Vehicle Licensing Fees	100	0	0	0	0	0	0	0	100
Federal Grant Funds	661	0	0	0	0	0	0	0	661
Transportation Funding Package - Parking Tax	1,008	0	0	0	0	0	0	0	1,008
Transportation Funding Package - Lid Lift	9,159	146	0	0	0	0	0	0	9,305
State Gas Taxes - Arterial City Street Fund	2,121	312	303	312	321	331	340	349	4,389
General Subfund Revenues	2,179	109	0	0	0	0	0	0	2,288
State Grant Funds	134	0	0	0	0	0	0	0	134
<b>Total:</b>	29,371	3,223	2,244	312	321	331	340	349	36,491
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	14,010	2,353	1,941	0	0	0	0	0	18,304
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	257	0	0	0	0	0	0	257
Cumulative Reserve Subfund - Street Vacation Subaccount	0	46	0	0	0	0	0	0	46
Transportation Operating Fund	15,361	567	303	312	321	331	340	349	17,884
<b>Total*:</b>	29,371	3,223	2,244	312	321	331	340	349	36,491
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,076	3,217	0	0	0	0	0	4,294
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	257	0	0	0	0	0	0	257
Cumulative Reserve Subfund - Street Vacation Subaccount	46	0	0	0	0	0	0	46
Transportation Operating Fund	567	303	312	321	331	340	349	2,523
<b>Total:</b>	1,947	3,520	312	321	331	340	349	7,120

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Overlook Walk and East-West Connections Project**

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367630	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

Removing the Alaskan Way Viaduct provides the opportunity for the City to improve key connections between the downtown core and the waterfront. The specific east/west streets targeted for improving connections include: Bell Street, Union Street, Pike Street, Pine Street, Main Street, Washington Street, and Railroad Way. In addition to these east/west street connections, the waterfront improvement program also includes Overlook Walk, which would provide a pedestrian oriented connection between the waterfront, the Aquarium and Pike Place Market with ADA access, views, and public open spaces. This project is part of the overall waterfront improvement program. Expenditures to the Local Improvement District Bonds revenue source that occur prior to 2019 represent anticipated future bond sales. This funding is currently supported through the Central Waterfront Improvement Fund's interfund loan, which Council approved via Ordinance 124345.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
User Fees	0	1,605	1,540	385	205	0	0	0	3,735
2017 Multipurpose LTGO Bond Fund	0	0	3,281	0	0	0	0	0	3,281
2018 Multipurpose LTGO Bond Fund	0	0	0	3,280	0	0	0	0	3,280
Transportation Bond Funds	0	0	0	0	1,860	990	1,500	2,500	6,850
Private Funding/Donations	0	0	0	0	9,030	23,010	8,280	0	40,320
Local Improvement District Bonds	590	410	1,501	1,410	34,698	56,710	17,250	150	112,719
2015 Multipurpose LTGO Bond Fund	0	1,379	0	0	0	0	0	0	1,379
<b>Total:</b>	590	3,394	6,322	5,075	45,793	80,710	27,030	2,650	171,564
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	1,605	4,821	3,665	205	0	0	0	10,296
Future Bond Funds	0	0	0	0	1,860	990	1,500	2,500	6,850
Central Waterfront Improvement Fund	590	410	1,501	1,410	43,728	79,720	25,530	150	153,039
2015 Multipurpose LTGO Bond Fund	0	1,379	0	0	0	0	0	0	1,379
<b>Total*:</b>	590	3,394	6,322	5,075	45,793	80,710	27,030	2,650	171,564

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

## Spending Plan by Fund

Transportation Operating Fund	1,605	4,821	3,665	205	0	0	0	10,296
Future Bond Funds	0	0	0	1,860	990	1,500	2,500	6,850
Central Waterfront Improvement Fund	410	1,501	1,410	43,728	79,720	25,530	150	152,449
2015 Multipurpose LTGO Bond Fund	1,379	0	0	0	0	0	0	1,379
<b>Total:</b>	<b>3,394</b>	<b>6,322</b>	<b>5,075</b>	<b>45,793</b>	<b>80,710</b>	<b>27,030</b>	<b>2,650</b>	<b>170,974</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Pavement Microsurfacing

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367610	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This program funds the microsurfacing of streets. Microsurfacing creates a protective layer which preserves the underlying structure and prevents the need for more expensive repairs in the future. It extends the life of the pavement from seven to ten years.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	500	0	0	0	0	0	0	500
Transportation Funding Package - Parking Tax	2,500	0	0	0	0	0	0	0	2,500
General Subfund Revenues	1,018	2,991	0	0	0	0	0	0	4,009
<b>Total:</b>	3,518	3,491	0	0	0	0	0	0	7,009

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	500	0	0	0	0	0	0	500
Transportation Operating Fund	3,518	2,991	0	0	0	0	0	0	6,509
<b>Total*:</b>	3,518	3,491	0	0	0	0	0	0	7,009

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	500	0	0	0	0	0	0	500
Transportation Operating Fund	2,391	600	0	0	0	0	0	0	2,991
<b>Total:</b>	2,391	1,100	0	0	0	0	0	0	3,491

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Pay Stations

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	TC366350	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project funds the installation of parking pay stations to manage on-street parking. SDOT is shifting from its former parking pay equipment vendor, Parkeon, to our new vendor, IPS. We are currently replacing aging Parkeon Stelios with new IPS MS1 pay stations and retrofitting the newer Parkeon Stradas with new IPS technology. We have adopted an "Asset Lite" strategy, and will replace 15%-20% fewer pay stations, while keeping a pay station on every block. As new neighborhoods are identified as ready for paid parking, implementation plans will be developed. In 2016, SDOT will install 787 new MS1s and retrofit 290 Rev 1s. In 2017, SDOT will complete the current replacement process by installing 348 Rev 1s. As other neighborhoods are identified as ready for paid parking, capacity will be identified.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund Revenues	2,352	310	0	0	0	0	0	0	2,662
2005 LTGO Bond	10,313	0	0	0	0	0	0	0	10,313
2007 Multipurpose LTGO Bond	3,400	0	0	0	0	0	0	0	3,400
2008 Multipurpose LTGO Bond Fund	2,175	0	0	0	0	0	0	0	2,175
2010 Multipurpose LTGO Bond Fund	2,026	0	0	0	0	0	0	0	2,026
2016 Multipurpose LTGO Bond Fund	0	7,217	0	0	0	0	0	0	7,217
Parking Garage Disposition Proceeds	0	3,500	0	0	0	0	0	0	3,500
<b>Total:</b>	20,266	11,027	0	0	0	0	0	0	31,293
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	2,352	310	0	0	0	0	0	0	2,662
2005 LTGO Capital Project Fund	10,313	0	0	0	0	0	0	0	10,313
2007 Multipurpose LTGO Bond Fund	3,400	0	0	0	0	0	0	0	3,400
2008 Multipurpose LTGO Bond Fund	2,175	0	0	0	0	0	0	0	2,175
2010 Multipurpose LTGO Bond Fund	2,026	0	0	0	0	0	0	0	2,026
2016 Multipurpose LTGO Bond Fund	0	7,217	0	0	0	0	0	0	7,217
Parking Garage Disposition Proceeds Fund	0	3,500	0	0	0	0	0	0	3,500
<b>Total*:</b>	20,266	11,027	0	0	0	0	0	0	31,293

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**O & M Costs (Savings)**

0 0 0 0 0 0 0

*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Pedestrian Master Plan - New Sidewalks**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	TC367600	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project enhances the pedestrian environment in Seattle's neighborhoods by dedicating funding to construct new sidewalks. The New Sidewalk Program draws funding from the School Safety Traffic and Pedestrian Improvement (SSTPI) Fund to improve sidewalks and the pedestrian environment near schools. Additional funding is drawn from other sources to pay for new sidewalk construction that are not in a Seattle Public School walk zone.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,687	1,841	0	0	0	0	0	0	3,528
Vehicle Licensing Fees	0	1,223	0	0	0	0	0	0	1,223
Transportation Funding Package - Parking Tax	0	2,176	0	0	0	0	0	0	2,176
General Subfund Revenues	0	2,000	0	0	0	0	0	0	2,000
State Grant Funds	0	600	0	0	0	0	0	0	600
Transportation Move Seattle Levy - Lid Lift	0	5,500	9,000	4,000	4,000	3,000	3,000	3,000	31,500
School Camera Ticket Revenues	1,943	7,338	2,404	1,275	762	681	631	631	15,666
10% Red Light Camera Revenue	0	409	450	425	400	400	400	400	2,884
<b>Total:</b>	3,630	21,087	11,854	5,700	5,162	4,081	4,031	4,031	59,576

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,687	1,841	0	0	0	0	0	0	3,528
Transportation Operating Fund	0	11,499	9,000	4,000	4,000	3,000	3,000	3,000	37,499
School Safety Traffic and Pedestrian Improvement Fund	1,943	7,747	2,854	1,700	1,162	1,081	1,031	1,031	18,550
<b>Total*:</b>	3,630	21,087	11,854	5,700	5,162	4,081	4,031	4,031	59,576

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		1,841	0	0	0	0	0	0	1,841
Transportation Operating Fund		12,199	9,000	4,000	4,000	3,000	3,000	3,000	38,199
School Safety Traffic and Pedestrian Improvement Fund		4,247	5,654	1,700	1,162	1,081	1,031	1,031	15,907
<b>Total:</b>		18,287	14,654	5,700	5,162	4,081	4,031	4,031	55,947

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Pedestrian Master Plan - School Safety**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367170	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project improves pedestrian and bicycle safety around schools. The work may include: school zone signing; crosswalk, curb bulb, and sidewalk maintenance; changes to traffic circulation around schools; installation of school zone cameras; school walking route maps; and, bike parking at schools. The base level of transportation funding provides improvements at approximately three to four schools per year. A separate operations and maintenance budget funds safe biking and walking education and outreach campaigns at the schools where improvements are made as well as the maintenance of school zone warning beacons. Operation of school zone cameras is directly funded from the Seattle Police Department budget.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	4,888	318	0	0	0	0	0	0	5,206
Federal Grant Funds	1,622	988	0	0	0	0	0	0	2,610
Transportation Funding Package - Lid Lift	3,686	0	0	0	0	0	0	0	3,686
General Subfund Revenues	320	0	0	0	0	0	0	0	320
State Grant Funds	281	0	0	0	0	0	0	0	281
Transportation Move Seattle Levy - Lid Lift	0	800	800	800	800	800	800	800	5,600
School Camera Ticket Revenues	4,449	943	2,367	1,692	1,234	1,084	1,134	1,134	14,036
10% Red Light Camera Revenue	0	0	0	0	0	0	0	0	0
<b>Total:</b>	15,246	3,048	3,167	2,492	2,034	1,884	1,934	1,934	31,739
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	4,888	318	0	0	0	0	0	0	5,206
Transportation Operating Fund	5,909	1,788	800	800	800	800	800	800	12,497
School Safety Traffic and Pedestrian Improvement Fund	4,449	943	2,367	1,692	1,234	1,084	1,134	1,134	14,036
<b>Total*:</b>	15,246	3,048	3,167	2,492	2,034	1,884	1,934	1,934	31,739
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	318	0	0	0	0	0	0	318
Transportation Operating Fund	1,788	800	800	800	800	800	800	6,588
School Safety Traffic and Pedestrian Improvement Fund	943	2,367	1,692	1,234	1,084	1,134	1,134	9,587
<b>Total:</b>	3,048	3,167	2,492	2,034	1,884	1,934	1,934	16,492

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Pedestrian Master Plan Implementation

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	TC367150	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program implements the Pedestrian Master Plan. Typical improvements may include the installation of curb ramps at high priority pedestrian locations, the installation of pedestrian lighting, and the rehabilitation or replacement of stairways. The goals of the program are to reduce the number and severity of crashes involving pedestrians; make Seattle a more walkable city for all through equity in public engagement, service delivery, accessibility, and capital investments; develop a pedestrian environment that sustains healthy communities and supports a vibrant economy; and raise awareness of the important role of walking in promoting health and preventing disease.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	10,429	325	49	49	49	49	49	49	11,048
Real Estate Excise Tax I	580	0	1,000	0	0	0	0	0	1,580
Vehicle Licensing Fees	899	167	1,380	1,380	1,380	1,380	1,380	1,380	9,346
Federal Grant Funds	108	246	0	0	0	0	0	0	354
Transportation Funding Package - Parking Tax	6,302	9	1,150	1,500	1,550	1,450	1,450	1,400	14,811
Transportation Funding Package - Business Transportation Tax	475	0	0	0	0	0	0	0	475
Transportation Funding Package - Lid Lift	17,986	73	0	0	0	0	0	0	18,059
State Gas Taxes - Arterial City Street Fund	4,459	482	441	351	351	371	371	321	7,146
General Subfund Revenues	611	46	0	0	0	0	0	0	657
State Grant Funds	890	0	0	0	0	0	0	0	890
Rubble Yard Proceeds	573	0	0	0	0	0	0	0	573
Transportation Move Seattle Levy - Lid Lift	0	6,045	4,710	4,450	4,450	4,550	4,550	4,650	33,405
2011 Multipurpose LTGO bond Fund	1,191	0	0	0	0	0	0	0	1,191
<b>Total:</b>	<b>44,504</b>	<b>7,392</b>	<b>8,730</b>	<b>7,730</b>	<b>7,780</b>	<b>7,800</b>	<b>7,800</b>	<b>7,800</b>	<b>99,536</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	10,429	325	49	49	49	49	49	49	49	11,048
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	580	0	1,000	0	0	0	0	0	0	1,580
Transportation Operating Fund	32,304	7,067	7,681	7,681	7,731	7,751	7,751	7,751	7,751	85,717
2011 Multipurpose LTGO Bond Fund	1,191	0	0	0	0	0	0	0	0	1,191
<b>Total*:</b>	44,504	7,392	8,730	7,730	7,780	7,800	7,800	7,800	7,800	99,536

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0 0

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		325	49	49	49	49	49	49	49	619
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	1,000	0	0	0	0	0	0	1,000
Transportation Operating Fund		7,068	7,681	7,681	7,731	7,751	7,751	7,751	7,751	53,414
2011 Multipurpose LTGO Bond Fund		0	0	0	0	0	0	0	0	0
<b>Total:</b>		7,393	8,730	7,730	7,780	7,800	7,800	7,800	7,800	55,033

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Rainier/Jackson Multimodal Corridor

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367770	<b>End Date:</b>	Q4/2019
<b>Location:</b>	Rainier AVE/Jackson ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project enhances transit speed and reliability, as well as improving the bus rider experience along a critical transit corridor. The project will upgrade bus stops and add transit signal priority at intersections, improve facilities for people who walk along the corridor, leverage paving investments and extend the useful life of the existing roadway.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	1,100	400	2,300	5,800	900	0	0	10,500
<b>Total:</b>	0	1,100	400	2,300	5,800	900	0	0	10,500
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	1,100	400	2,300	5,800	900	0	0	10,500
<b>Total*:</b>	0	1,100	400	2,300	5,800	900	0	0	10,500
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		1,000	500	2,300	5,800	900	0	0	10,500
<b>Total:</b>		1,000	500	2,300	5,800	900	0	0	10,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

Retaining Wall Repair and Restoration

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365890	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project covers the in-house crew work involved in repairing or reconstructing retaining walls. The repairs are needed to reduce interference with adjoining sidewalks and roadways.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	2,884	328	212	212	212	212	212	212	4,484
Real Estate Excise Tax I	286	0	0	0	0	0	0	0	286
Transportation Funding Package - Parking Tax	405	295	0	0	0	0	0	0	700
State Gas Taxes - Arterial City Street Fund	479	0	0	0	0	0	0	0	479
General Subfund Revenues	696	1,600	0	0	0	0	0	0	2,296
Transportation Bond Funds	130	0	0	0	0	0	0	0	130
<b>Total:</b>	4,880	2,223	212	212	212	212	212	212	8,375
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	2,884	328	212	212	212	212	212	212	4,484
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	286	0	0	0	0	0	0	0	286
Transportation Operating Fund	1,580	1,895	0	0	0	0	0	0	3,475
Transportation Bond Fund	130	0	0	0	0	0	0	0	130
<b>Total*:</b>	4,880	2,223	212	212	212	212	212	212	8,375
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

Roosevelt Multimodal Corridor

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367380	<b>End Date:</b>	Q4/2021
<b>Location:</b>	Eastlake AVE/Stewart ST/NE 65th ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will develop and implement a range of transit and street improvements in the Eastlake Avenue corridor connecting the University District, Eastlake and South Lake Union neighborhoods between Downtown and the Roosevelt Link LRT station area. The corridor is identified as a priority in the Transit Master Plan. This project will identify, prioritize, design and construct the highest priority "speed and reliability" improvements to existing bus service without excluding the potential for longer-term implementation of High Capacity Transit options. The project will also consider an improved ROW profile to best accommodate the corridor's multi-modal demands, along with the recommendations reflected in each of the City's adopted modal transportation plans and the respective neighborhood plans.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	350	0	0	0	0	0	0	0	350
Street Vacations -CRSU	251	399	0	0	0	0	0	0	650
Transportation Funding Package - Parking Tax	203	497	0	0	0	0	0	0	700
Transportation Move Seattle Levy - Lid Lift	0	1,000	0	0	0	1,250	6,250	0	8,500
<b>Total:</b>	805	1,895	0	0	0	1,250	6,250	0	10,200
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	350	0	0	0	0	0	0	0	350
Cumulative Reserve Subfund - Unrestricted Subaccount	251	399	0	0	0	0	0	0	650
Transportation Operating Fund	203	1,497	0	0	0	1,250	6,250	0	9,200
<b>Total*:</b>	805	1,895	0	0	0	1,250	6,250	0	10,200
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Route 40 Northgate to Downtown Transit Improvements**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367820	<b>End Date:</b>	TBD
<b>Location:</b>			
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will design and construct transit speed and reliability improvements and upgraded bus stop passenger facilities. Improvements to the route, which connects Downtown, South Lake Union, Fremont, Ballard, and Northgate, will support conversion to RapidRide service by partner agency King County Metro.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	0	0	0	0	0	0	1,500	1,500
<b>Total:</b>	0	0	0	0	0	0	0	1,500	1,500
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	0	0	0	0	0	0	1,500	1,500
<b>Total*:</b>	0	0	0	0	0	0	0	1,500	1,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Route 48 South Electrification

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2018
<b>Project ID:</b>	TC367660	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project will begin design of transit-related elements from Rainier Avenue South to NE 50th Street. The project includes two elements: 1) electrification of two gaps in the electric trolley network in order to convert King County Metro's Route 48 South to electric trolley bus operation and 2) transit operational, facility and access improvements along the two segments of Route 48 South. Elements could include bus stop improvements, thicker pavement at bus stops, upgrades to passenger amenities, and access improvements for pedestrians and cyclists connecting to bus stops.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Federal Grant Funds	0	0	0	408	2,908	881	0	0	4,198
Transportation Move Seattle Levy - Lid Lift	0	0	0	187	593	247	0	0	1,027
<b>Total:</b>	0	0	0	596	3,500	1,128	0	0	5,224

**Fund Appropriations/Allocations**

Transportation Operating Fund	0	0	0	596	3,500	1,128	0	0	5,224
<b>Total*:</b>	0	0	0	596	3,500	1,128	0	0	5,224

**Spending Plan by Fund**

Transportation Operating Fund		0	0	596	3,500	1,128	0	0	5,224
<b>Total:</b>		0	0	596	3,500	1,128	0	0	5,224

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**S Lander St. Grade Separation**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	TC366150	<b>End Date:</b>	Q4/2021
<b>Location:</b>	S Lander St/1st Ave S/4th Ave S		
<b>Neighborhood Plan:</b>	Duwamish	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project constructs a grade separation of the S Lander St. roadway and the Burlington Northern mainline railroad tracks between First Avenue S and Fourth Avenue S.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	0	5,000	0	0	0	0	0	5,000
To be determined	0	0	0	13,400	0	0	0	0	13,400
Vehicle Licensing Fees	35	0	0	0	0	0	0	0	35
Federal Grant Funds	100	0	0	44,500	10,000	0	0	0	54,600
State Gas Taxes - Arterial City Street Fund	185	0	0	0	0	0	0	0	185
Port of Seattle Funds	0	0	0	2,500	2,500	0	0	0	5,000
Private Funding/Donations	0	0	0	2,500	2,500	0	0	0	5,000
State Grant Funds	0	5,800	4,200	0	5,000	0	0	0	15,000
Transportation Move Seattle Levy - Lid Lift	0	500	0	3,500	14,000	1,000	1,000	0	20,000
Parking Garage Disposition Proceeds	0	0	8,000	0	0	0	0	0	8,000
2008 Multipurpose LTGO Bond Fund	2,213	0	0	0	0	0	0	0	2,213
To be determined	0	0	0	0	14,100	0	0	0	14,100
<b>Total:</b>	2,533	6,300	17,200	66,400	48,100	1,000	1,000	0	142,533
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	5,000	0	0	0	0	0	5,000
Transportation Operating Fund	320	6,300	12,200	66,400	34,000	1,000	1,000	0	121,220
2008 Multipurpose LTGO Bond Fund	2,213	0	0	0	0	0	0	0	2,213
<b>Total*:</b>	2,533	6,300	17,200	66,400	34,000	1,000	1,000	0	128,433
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

## Spending Plan by Fund

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	0	5,000	0	0	0	0	5,000
Transportation Operating Fund	4,300	13,700	57,500	30,000	1,000	1,000	0	107,500
2008 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
To Be Determined	0	0	12,500	15,000	0	0	0	27,500
<b>Total:</b>	<b>4,300</b>	<b>13,700</b>	<b>75,000</b>	<b>45,000</b>	<b>1,000</b>	<b>1,000</b>	<b>0</b>	<b>140,000</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Sidewalk Safety Repair

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC365120	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project rehabilitates sidewalks damaged by street trees or where there are serious safety concerns as evidenced by claims, service requests, and potential City liability. The project includes opportunities for public/private partnerships with citizens, property owners, and businesses. Asset management principles are used to guide repair needs and establish priorities for maintaining the sidewalk (or walkway), curbs, curb ramps, and in some cases, a filler strip between the sidewalk and curb.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	3,280	194	0	0	0	0	0	0	3,474
Real Estate Excise Tax I	247	0	0	0	0	0	0	0	247
Vehicle Licensing Fees	70	0	0	0	0	0	0	0	70
Transportation Funding Package - Lid Lift	14,434	0	0	0	0	0	0	0	14,434
State Gas Taxes - Arterial City Street Fund	262	23	0	0	0	0	0	0	285
General Subfund Revenues	3	0	0	0	0	0	0	0	3
Private Funding/Donations	27	0	0	0	0	0	0	0	27
Transportation Move Seattle Levy - Lid Lift	0	1,500	1,530	1,561	1,592	1,624	1,656	1,689	11,151
<b>Total:</b>	18,323	1,716	1,530	1,561	1,592	1,624	1,656	1,689	29,691
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	3,280	194	0	0	0	0	0	0	3,474
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	247	0	0	0	0	0	0	0	247
Transportation Operating Fund	14,796	1,523	1,530	1,561	1,592	1,624	1,656	1,689	25,970
<b>Total*:</b>	18,323	1,716	1,530	1,561	1,592	1,624	1,656	1,689	29,691
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

Signal Major Maintenance

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367580	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project addresses major work related to the basic infrastructure at traffic signals such as poles, span wires, mast arms, wiring, equipment interconnectivity, video equipment and cabinets to improve and upgrade the traffic signal system. The project also is used for replacement of signal cabinets. In addition, this project will rebuild approximately 10 additional signals in 2016. The expected life of a signal is 30 years; at this time there are more than 1,000 signals within the City.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	1,013	0	0	0	0	0	0	1,013
Transportation Funding Package - Parking Tax	0	635	532	559	558	582	600	614	4,082
Transportation Move Seattle Levy - Lid Lift	0	825	960	967	994	1,012	1,030	1,048	6,835
<b>Total:</b>	0	2,473	1,493	1,526	1,553	1,594	1,630	1,662	11,930
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	1,013	0	0	0	0	0	0	1,013
Transportation Operating Fund	0	1,460	1,493	1,526	1,553	1,594	1,630	1,662	10,917
<b>Total*:</b>	0	2,473	1,493	1,526	1,553	1,594	1,630	1,662	11,930
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		1,013	0	0	0	0	0	0	1,013
Transportation Operating Fund		1,460	1,493	1,526	1,553	1,594	1,630	1,662	10,917
<b>Total:</b>		2,473	1,493	1,526	1,553	1,594	1,630	1,662	11,930

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### Sound Transit - East Link

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q3/2013
<b>Project ID:</b>	TC367410	<b>End Date:</b>	Q4/2023
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides design review, permitting, and construction support services for the Sound Transit East Link Extension project. It will provide a connection from the Eastside to downtown Seattle, Sea-Tac Airport and the University of Washington. Ten stations will serve Seattle, Mercer Island, Bellevue, Bel-Red and Overlake in Redmond.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Sound Transit Funds	86	267	0	0	3	70	72	0	497
<b>Total:</b>	86	267	0	0	3	70	72	0	497
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	86	267	0	0	3	70	72	0	497
<b>Total*:</b>	86	267	0	0	3	70	72	0	497
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		73	64	66	68	70	72	0	411
<b>Total:</b>		73	64	66	68	70	72	0	411

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

### Sound Transit North Link

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q4/2011
<b>Project ID:</b>	TC367190	<b>End Date:</b>	Q1/2021
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides design review, permitting, and construction support services for the Sound Transit North Link project (University District to Northgate). The 4.3-mile line includes stations at Northgate, the Roosevelt neighborhood and the University District.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Sound Transit Funds	658	534	300	308	310	252	69	0	2,431
<b>Total:</b>	658	534	300	308	310	252	69	0	2,431
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	658	534	300	308	310	252	69	0	2,431
<b>Total*:</b>	658	534	300	308	310	252	69	0	2,431
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

South Lake Union Streetcar

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	TC367400	<b>End Date:</b>	Q4/2016
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	South Lake Union

This project procures an additional streetcar for the South Lake Union line. Purchase of the streetcar will be reimbursed by Amazon as a public benefit for vacations of alley rights-of-way.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Private Funding/Donations	1,871	1,862	0	0	0	0	0	0	3,733
<b>Total:</b>	1,871	1,862	0	0	0	0	0	0	3,733
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	1,871	1,862	0	0	0	0	0	0	3,733
<b>Total*:</b>	1,871	1,862	0	0	0	0	0	0	3,733
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

### South Park Bridge

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	TC365780	<b>End Date:</b>	Q4/2016
<b>Location:</b>	16th Ave S/E Marginal Wy S/S Cloverdale St		
<b>Neighborhood Plan:</b>	South Park	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	In more than one Urban Village

This project funds the City's involvement in the preparation of an Environmental Impact Statement (EIS), design plans, and construction process for the replacement of the South Park Bridge, which is an opening bridge located in unincorporated King County and the City of Tukwila. Due to the deteriorating condition of the existing bridge, it was permanently closed in 2010. The new bridge opened in 2014.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Vehicle Licensing Fees	188	0	0	0	0	0	0	0	188
State Gas Taxes - Arterial City Street Fund	837	116	0	0	0	0	0	0	953
King County Funds	263	12	0	0	0	0	0	0	275
2014 Multipurpose LTGO Bond Fund	10,000	0	0	0	0	0	0	0	10,000
2015 Multipurpose LTGO Bond Fund	0	5,000	0	0	0	0	0	0	5,000
<b>Total:</b>	11,287	5,128	0	0	0	0	0	0	16,415
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	1,287	128	0	0	0	0	0	0	1,415
2014 Multipurpose LTGO Bond Fund	10,000	0	0	0	0	0	0	0	10,000
2015 Multipurpose LTGO Bond Fund	0	5,000	0	0	0	0	0	0	5,000
<b>Total*:</b>	11,287	5,128	0	0	0	0	0	0	16,415
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

### Spokane St. Viaduct

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q2/1994
<b>Project ID:</b>	TC364800	<b>End Date:</b>	Q3/2016
<b>Location:</b>	S Spokane St/6th Ave S/E Marginal Wy S		
<b>Neighborhood Plan:</b>	Morgan Junction (MOCA)	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Duwamish

This project, part of the Bridging the Gap funding package, builds a new structure that will be parallel and connected to the existing one, and will widen the existing viaduct by about 41 feet. The project also includes construction of new ramps at First Avenue South and an eastbound Fourth Avenue off-ramp. This project improves the safety of the Spokane Street Viaduct through the addition of shoulders, a wider median, and a westbound "weave-lane." The project also reconstructs lower Spokane Street in concrete, including a 10 foot wide sidewalk/bike path along the north side of the street.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	1,393	71	0	0	0	0	0	0	1,464
Drainage and Wastewater Rates	392	0	0	0	0	0	0	0	392
Federal Grant Funds	31,697	0	0	0	0	0	0	0	31,697
City Light Fund Revenues	168	0	0	0	0	0	0	0	168
State Gas Taxes - Arterial City Street Fund	557	0	0	0	0	0	0	0	557
General Subfund Revenues	3,899	0	0	0	0	0	0	0	3,899
Public Works Trust Fund Proceeds	456	0	0	0	0	0	0	0	456
Private Funding/Donations	6,180	0	0	0	0	0	0	0	6,180
State Grant Funds	53,636	0	0	0	0	0	0	0	53,636
Federal ARRA Funds: FHWA Highway Infrastructure Investment	15,443	0	0	0	0	0	0	0	15,443
2008 Multipurpose LTGO Bond Fund	9,000	0	0	0	0	0	0	0	9,000
2009 Multipurpose LTGO Bond Fund	26,766	0	0	0	0	0	0	0	26,766
2010 Multipurpose LTGO Bond Fund	6,317	0	0	0	0	0	0	0	6,317
2011 Multipurpose LTGO bond Fund	1,133	42	0	0	0	0	0	0	1,175
<b>Total:</b>	157,038	113	0	0	0	0	0	0	157,151

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	1,393	71	0	0	0	0	0	0	1,464
Transportation Operating Fund	112,429	0	0	0	0	0	0	0	112,429
2008 Multipurpose LTGO Bond Fund	9,000	0	0	0	0	0	0	0	9,000
2009 Multipurpose LTGO Bond Fund	26,766	0	0	0	0	0	0	0	26,766
2010 Multipurpose LTGO Bond Fund	6,317	0	0	0	0	0	0	0	6,317
2011 Multipurpose LTGO Bond Fund	1,133	42	0	0	0	0	0	0	1,175
<b>Total*:</b>	157,038	113	0	0	0	0	0	0	157,151

**O & M Costs (Savings)** 0 0 0 0 0 0 0 0

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	58	13	0	0	0	0	0	0	71
2011 Multipurpose LTGO Bond Fund	42	0	0	0	0	0	0	0	42
<b>Total:</b>	100	13	0	0	0	0	0	0	113

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**SPU Drainage Partnership - Broadview Pedestrian Improvements**

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367750	<b>End Date:</b>	Q4/2021
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Broadview-Bitter Lake-Haller Lake	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Bitter Lake Village

This project funding will be used to install pedestrian improvements as part of SPU's larger Broadview Sewer and Drainage Improvement project. The Broadview sewer system was built in the 1950's and cannot handle the combination of additional flow from the homes and business that have developed since then and the additional storm water that is entering the system from downspouts directly connected to the sewer system as well as additional storm water entering through deteriorated pipes. This area is also lacking conventional sidewalks and would benefit from pedestrian improvements. The overall project goal is to reduce the potential for sewer backups and surface flooding for the Broadview neighborhood.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	500	500	2,000	4,000	1,000	0	0	8,000
<b>Total:</b>	0	500	500	2,000	4,000	1,000	0	0	8,000
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	500	500	2,000	4,000	1,000	0	0	8,000
<b>Total*:</b>	0	500	500	2,000	4,000	1,000	0	0	8,000
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		300	700	2,000	4,000	1,000	0	0	8,000
<b>Total:</b>		300	700	2,000	4,000	1,000	0	0	8,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

**SPU Drainage Partnership - South Park**

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	TC367760	<b>End Date:</b>	Q4/2020
<b>Location:</b>	TBD		
<b>Neighborhood Plan:</b>	South Park	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	South Park

This funding will be used to partner with SPU's South Park Drainage Improvement projects. SPU is planning to install a pump station to control flooding in the South Park area. However, that alone will not control flooding. Many streets in the area are in really poor condition and don't have a street drainage collection system. This funding will allow SPU and SDOT to partner to install the needed collection systems and repair the deteriorated roads.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Transportation Move Seattle Levy - Lid Lift	0	500	500	2,000	4,000	3,000	0	0	10,000
<b>Total:</b>	0	500	500	2,000	4,000	3,000	0	0	10,000
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	500	500	2,000	4,000	3,000	0	0	10,000
<b>Total*:</b>	0	500	500	2,000	4,000	3,000	0	0	10,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

### SR-520 Project

<b>BCL/Program Name:</b>	Major Projects	<b>BCL/Program Code:</b>	19002
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	TC365880	<b>End Date:</b>	ONGOING
<b>Location:</b>	SR520 WB/Montlake Bv Off Rp/15 NB On Rp		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides policy, planning, and technical analysis support to the Seattle Department of Transportation Director and elected officials to review and comment on the Environmental Impact Statement and the design for SR-520. This regional project may include replacement of the SR-520 bridge with a six-lane bridge, new freeway interchanges at Montlake Boulevard and Lake Washington Boulevard, and other improvements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	54	0	0	0	0	0	0	0	54
Street Vacations - SVF	54	0	0	0	0	0	0	0	54
Vehicle Licensing Fees	60	0	0	0	0	0	0	0	60
State Gas Taxes - Arterial City Street Fund	760	720	123	127	130	134	138	138	2,269
General Subfund Revenues	33	0	0	0	0	0	0	0	33
Private Funding/Donations	543	0	0	0	0	0	0	0	543
State Grant Funds	1,100	473	943	554	641	814	849	1,200	6,574
<b>Total:</b>	2,603	1,192	1,066	681	771	948	987	1,338	9,587
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	54	0	0	0	0	0	0	0	54
Cumulative Reserve Subfund - Street Vacation Subaccount	54	0	0	0	0	0	0	0	54
Transportation Operating Fund	2,495	1,192	1,066	681	771	948	987	1,338	9,479
<b>Total*:</b>	2,603	1,192	1,066	681	771	948	987	1,338	9,587
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		1,023	1,235	681	771	948	987	1,338	6,983
<b>Total:</b>		1,023	1,235	681	771	948	987	1,338	6,983

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

### Street Lighting Program

<b>BCL/Program Name:</b>	Major Maintenance/Replacement	<b>BCL/Program Code:</b>	19001
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC366900	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides funding for the street lighting components of transportation projects, where the cost of those components will ultimately be borne by the City's General Subfund. The project enables the Seattle Department of Transportation, the Department of Finance, and Seattle City Light to plan for these costs. Funding is provided from the Light Fund, which recovers these costs through street light rates charged by Seattle City Light to the City's General Subfund. SDOT develops project specific estimates of the cost of lighting components in the year prior to construction. For 2017, funds are budgeted under the individual transportation projects in which the spending will occur. For 2018 through 2022, the funds displayed below have not yet been allocated to specific projects, but will be allocated once detailed project cost estimates are developed.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	4,500	1,840	1,350	1,350	1,350	10,390
<b>Total:</b>	0	0	0	4,500	1,840	1,350	1,350	1,350	10,390
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	0	0	0	4,500	1,840	1,350	1,350	1,350	10,390
<b>Total*:</b>	0	0	0	4,500	1,840	1,350	1,350	1,350	10,390
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

Transit Corridor Improvements

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC366860	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This program implements multimodal projects that improve transit speed, reliability, access, safety, and convenience. The program focuses on corridors and projects identified in the Transit Master Plan. Funding from the Bridging the Gap package and other local sources is used to leverage grant and partnership opportunities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Vehicle Licensing Fees	1,842	1,508	900	900	900	900	900	900	8,750
Federal Grant Funds	3,545	56	0	0	0	0	0	0	3,601
Transportation Funding Package - Parking Tax	1,249	355	0	0	0	0	0	0	1,604
Transportation Funding Package - Lid Lift	18,612	90	0	0	0	0	0	0	18,702
City Light Fund Revenues	7	0	0	0	0	0	0	0	7
King County Funds	794	9	0	0	0	0	0	0	803
State Grant Funds	8,037	0	0	0	0	0	0	0	8,037
Transportation Move Seattle Levy - Lid Lift	0	2,026	2,900	1,873	2,900	2,900	2,900	2,900	18,399
2016 Multipurpose LTGO Bond Fund	0	973	0	0	0	0	0	0	973
<b>Total:</b>	34,087	5,017	3,800	2,773	3,800	3,800	3,800	3,800	60,877
<b>Fund Appropriations/Allocations</b>									
Transportation Operating Fund	34,087	4,044	3,800	2,773	3,800	3,800	3,800	3,800	59,904
2016 Multipurpose LTGO Bond Fund	0	973	0	0	0	0	0	0	973
<b>Total*:</b>	34,087	5,017	3,800	2,773	3,800	3,800	3,800	3,800	60,877
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Transportation Operating Fund		4,043	3,800	2,773	3,800	3,800	3,800	3,800	25,817
2016 Multipurpose LTGO Bond Fund		973	0	0	0	0	0	0	973
<b>Total:</b>		5,016	3,800	2,773	3,800	3,800	3,800	3,800	26,790

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Urban Forestry Capital Establishment

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367720	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project includes funding from capital investments for trees and landscaping citywide. SDOT manages these funds to ensure proper maintenance for these critical assets during their first two years after planting, beyond what is allocated within typical construction contracts.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	0	10	0	0	0	0	0	0	10
Street Vacations -CRSU	0	131	0	0	0	0	0	0	131
<b>Total:</b>	0	141	0	0	0	0	0	0	141
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	0	10	0	0	0	0	0	0	10
Cumulative Reserve Subfund - Unrestricted Subaccount	0	131	0	0	0	0	0	0	131
<b>Total*:</b>	0	141	0	0	0	0	0	0	141
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		0	5	5	0	0	0	0	10
Cumulative Reserve Subfund - Unrestricted Subaccount		0	21	100	10	0	0	0	131
<b>Total:</b>		0	26	105	10	0	0	0	141

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Department of Transportation

Vision Zero

<b>BCL/Program Name:</b>	Mobility-Capital	<b>BCL/Program Code:</b>	19003
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	TC367520	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

Vision Zero is an approach to traffic safety, with the ultimate goal of ending traffic deaths and serious injuries. At the core of Vision Zero is the belief that death and injury on city streets is preventable. Collisions are often the result of poor behaviors and unforgiving roadway designs. This project approaches the problem from the angle of creating street designs that emphasize safety, predictability, and the potential for human error, and will complete 12-15 corridor safety projects over 9 years to improve safety for all travelers on our highest-crash streets. Corridors identified as part of the Move Seattle Levy include: Rainier Ave S, 35th Ave SW, SW Roxbury St, Greenwood/Phinney, 1st Ave/1st Ave S, 12th Ave/12th Ave E, Auror Ave N, Lake City Way, Sand Point Way, E Marginal Way, Airport Way, 35th Ave NE, 15th Ave NE, MLK Jr. Way S, and 5th Ave NE.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax II	199	1	0	0	0	0	0	0	200
Federal Grant Funds	374	26	0	0	0	0	0	0	400
Transportation Funding Package - Parking Tax	1,005	0	0	0	0	0	0	0	1,005
Transportation Funding Package - Lid Lift	62	0	0	0	0	0	0	0	62
General Subfund Revenues	548	0	0	0	0	0	0	0	548
Transportation Move Seattle Levy - Lid Lift	0	2,300	2,400	2,400	2,500	2,500	2,535	2,600	17,235
<b>Total:</b>	2,188	2,327	2,400	2,400	2,500	2,500	2,535	2,600	19,450

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount	199	1	0	0	0	0	0	0	200
Transportation Operating Fund	1,989	2,326	2,400	2,400	2,500	2,500	2,535	2,600	19,250
<b>Total*:</b>	2,188	2,327	2,400	2,400	2,500	2,500	2,535	2,600	19,450

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax II Subaccount		1	0	0	0	0	0	0	1
Transportation Operating Fund		2,326	2,400	2,400	2,500	2,500	2,535	2,600	17,261
<b>Total:</b>		2,327	2,400	2,400	2,500	2,500	2,535	2,600	17,262

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Overview

City Light is a municipal electric utility owned by the residents of Seattle and run by the City's elected officials. The utility serves a population of over 776,000 people living in a 131-square-mile area which includes the City of Seattle and several adjoining jurisdictions. To serve these customers, City Light owns, maintains, and operates a multi-billion-dollar physical plant. The physical plant includes:

- A power supply generation system consisting of seven hydroelectric plants on the Pend Oreille, Skagit, Cedar, and Tolt rivers with a combined capacity of almost 2,000 megawatts;
- 656 miles of high-voltage transmission lines linking these plants to Seattle;
- A distribution system with 15 major substations and more than 2,500 miles of overhead and underground cable;
- A state-of-the-art System Control Center coordinating these activities; and
- Billing and metering equipment tracking approximately 423,000 accounts.

City Light's Capital Improvement Program (CIP) is the vehicle for repairing, upgrading, and expanding this infrastructure. The CIP funds a variety of safety improvements, mitigation activities, and licensing requirements. The goal of the utility's capital program is to ensure that the facilities required to serve City Light customers with low-cost, reliable power are in place. Funding for the CIP comes primarily from retail electricity sales, sales of surplus power on the wholesale market, and the sale of revenue bonds.

The 2017-2022 Strategic Plan update for City Light established spending priorities and a six-year rate path for the utility. The updated Strategic Plan guides development of City Light's 2017-2022 Proposed CIP budget.

## CIP Revenue Sources

Retail electricity sales and surplus energy sales on the wholesale market fund a large part of City Light's CIP. Other funding comes from direct customer billing (including service connections and other customer requested work) and assorted fees. City Light also finances a portion of the CIP through the sale of revenue bonds. City Light's policy is to limit debt financing to 60% of any given six-year CIP (Resolution 31187).

## CIP Highlights

The 2017-2022 Proposed CIP budget outlines \$2.37 billion in capital spending over six years for power supply, transmission, distribution, customer services, and central utility needs. In 2017, approximately \$65.8 million of this spending is in response to external projects, including suburban undergrounding requests, maintenance of the streetlight system, infrastructure relocations due to transportation projects, and other reimbursable customer-requested work.

City Light monitors and refines CIP project spending plans throughout the year and reports progress to the Mayor and City Council quarterly. City Light submits all significant project changes to the Mayor and the Council for approval through the quarterly supplemental budget process.

## 2017-2022 Proposed Capital Improvement Program

## Seattle City Light

A more expansive look at CIP highlights scheduled for 2017-2022 is provided below.

### CIP Expenditures by Major Program

The 2017-2022 Proposed CIP summarizes spending in five broad programs: Power Supply, Transmission, Distribution, External Projects and Central Utility Projects. The table below displays the projects and associated spending included in each of these programs for the 2017-2022 Proposed CIP. The dollar amounts shown in this document reflect the projects' total costs to be capitalized, and include both direct costs and associated overhead costs.

#### 2017-2022 Proposed CIP Summary of CIP Project Allocations (in \$1,000s)

	2017	2018	2019	2020	2021	2022	Total
<b>Power Supply</b>	<b>68,067</b>	<b>91,135</b>	<b>77,706</b>	<b>86,476</b>	<b>100,735</b>	<b>98,466</b>	<b>522,585</b>
Boundary	26,427	59,601	50,004	37,933	57,479	34,800	266,244
Cedar Falls - Tolt	3,514	1,927	3,978	4,583	6,518	3,239	23,759
Power Supply Other	7,883	9,624	4,783	3,630	2,430	2,479	30,829
Skagit	30,243	19,983	18,941	40,330	34,308	57,948	201,753
<b>Transmission</b>	<b>13,383</b>	<b>15,865</b>	<b>8,351</b>	<b>10,759</b>	<b>45,901</b>	<b>4,563</b>	<b>98,822</b>
<b>Distribution</b>	<b>223,777</b>	<b>192,893</b>	<b>195,508</b>	<b>182,143</b>	<b>208,718</b>	<b>218,045</b>	<b>1,221,084</b>
Distribution Other	12,642	15,576	26,209	17,404	24,365	20,569	116,765
Network	27,355	21,953	22,423	31,491	42,856	39,524	185,602
Radial	57,423	54,958	68,747	67,520	70,466	76,597	395,711
Service Connections	48,414	66,747	51,962	39,573	42,938	52,956	302,590
Substations	77,943	33,659	26,167	26,155	28,093	28,399	220,416
<b>External Projects</b>	<b>65,828</b>	<b>57,047</b>	<b>41,286</b>	<b>33,400</b>	<b>32,284</b>	<b>31,444</b>	<b>261,289</b>
Customer Other	309	19	8	8	8	15	367
Local Jurisdictions	17,109	16,628	17,546	24,239	25,184	27,306	128,012
Transportation Relocations	48,410	40,400	23,732	9,153	7,092	4,123	132,910
<b>Central Utility Projects</b>	<b>39,118</b>	<b>28,287</b>	<b>21,160</b>	<b>25,659</b>	<b>86,462</b>	<b>69,705</b>	<b>270,391</b>
Customer and Billing	6,169	501	-	-	-	-	6,670
Finance and IT Systems	10,207	6,979	3,608	3,236	2,347	2,012	28,389
Fleets and Facilities	22,742	20,807	17,552	22,423	84,115	67,693	235,332
<b>Grand Total</b>	<b>410,173</b>	<b>385,227</b>	<b>344,011</b>	<b>338,437</b>	<b>474,100</b>	<b>422,223</b>	<b>2,374,171</b>

#### 2017-2022 Proposed Capital Improvement Program

***A more detailed description and summary of each Program follows.***

**Power Supply:** Projects in this program includes improvements to City Light's dams, generators, powerhouses, and other related projects. In addition, the program contains projects designed to help City Light comply with federal licensing and environmental mitigation requirements at the utility's dams. City Light sequences work on major power production equipment (i.e., generator rebuilds and runner replacements) to reduce the impact to power generation and level capital spending.

For 2017, the CIP includes \$68 million in funding for 65 projects in Power Supply.

***Highlights, ordered by project number, include:***

- **Boundary Powerhouse – Unit 51 Generator Rebuild (6351):** (\$3,307,000 in 2017)  
This project funds the rewinding and refurbishing of the Unit 51 generator to extend its useful life. It also replaces the carbon dioxide fire-suppression system with a water sprinkler system to enhance worker safety. If technology is sufficiently advanced, it may also include a rotor-mounted scanner or other diagnostic equipment.
- **Power Production – Network Controls (6385):** (\$812,000 in 2017)  
This project provides the infrastructure required to install the basic control network and integrate existing, major control systems for a Skagit wide network controls program. Also included are features that lead to enhanced data acquisition that meets NERC requirements.
- **Diablo Powerhouse - Rebuild Generator Unit 31 (6422):** (\$5,591,000 in 2017)  
This project rebuilds generator Unit 31 at Diablo Powerhouse as part of the utility's generator rebuild program.
- **Diablo Powerhouse – Rebuild Generator Unit 32 (6423):** (\$11,577,000 in 2016)  
The project rebuilds generator Unit 32 at Diablo Powerhouse as part of the utility's generator rebuild program. Unit 31 will be rebuilt the year after Unit 32.
- **Boundary Switchyard – Generator Step-Up Transformers (6493):** (\$6,195,000 in 2017)  
This project replaces the transformers used to step-up voltage and feed the transmission lines. The transformers are past their useful life. Additionally, efficiency gains can be realized by matching the new transformers to the rebuilt generators.
- **Ross - Governors (6562):** (\$3,579,000 in 2017)  
This project replaces Governors and Exciters on all four of the Ross Powerhouse generating units.
- **Boundary – Licensing Mitigation (6601):** (\$2,289,000 in 2017)  
This project makes the security entrance to the Boundary Hydro Project safer for employees and visitors. The access road to the security gate will be realigned so the guard station can access both incoming and outgoing traffic. A permanent building will be installed with water service, a restroom, and an electrical room among other amenities. A vehicle turn-around and new signage will also be installed.
- **Western Energy Imbalance Market (9976):** (\$3,470,000 in 2017)  
The new project provides funding to allow City Light to participate in the Western Energy Imbalance Market (EIM) run by the California Independent System Operator (CAISO). City Light is planning to begin participating in the market in the spring of 2019.

**Transmission:** Projects in this program include transmission capacity and reliability projects to deliver power from City Light's dams to City Light's distribution system and the regional power grid. City Light owns and maintains 656 miles of transmission capacity that connect the Skagit facilities to Seattle. City Light leases additional transmission capacity to connect to the Boundary, Cedar Falls, and Tolt hydroelectric projects.

For 2017, the CIP budget includes \$13.4 million in funding for six projects in Transmission.

**Highlights, ordered by project number, include:**

- Transmission Reliability (7104): (\$3,106,000 in 2017)  
This ongoing project replaces approximately one percent of City Light's transmission structures and conductors each year. This project also provides engineering, construction, and related work improving and maintaining the reliability of the overhead or underground transmission system.
- Denny Substation Transmission Lines (7125): (\$8,096,000 in 2017)  
This project designs and constructs transmission lines to support the new Denny Substation. These transmission lines are created by dividing the existing Pine to Broad Street transmission line into two transmission lines. The remaining new lines will come from the Canal and Massachusetts substations. This project also provides for undergrounding the transmission lines.
- Transmission Line Inductor Installation (8461): (\$1,433,000 in 2017)  
This project addresses the issue of increased electric transmission congestion load growth in the Puget Sound Area. The project funds the installation of inductors or phase shifting transformers that curtail the flow of power through the Seattle area, while improving customer and asset strengths and maintaining reliability.

**Distribution:** Projects in this program include improvements to City Light's distribution substations, relays, feeders, network distribution systems, overhead and underground radial distribution systems, service connections, customer meters, and other facilities related to the distribution system.

For 2017, the CIP includes \$223.8 million in funding for 67 projects in Distribution. **Highlights, ordered by project number, include:**

- Denny Substation Development (7757): (\$57,211,000 in 2017)  
This project designs and builds a 200 MVA substation on Denny Avenue. The project funds site acquisition, environmental management and remediation of land, design of the substation, and construction of the substation. It provides capacity to meet load growth, provides the operational flexibility to operate the electrical system to serve new development and existing load, and supports development of an underground network. This project coordinates with Denny Tenant Improvements and the build out of the Denny network and construction of transmission lines to the new substation.
- Substation Breaker Replacements and Reliability Additions (7779): (\$6,243,000 in 2017)  
This ongoing project funds the review of City Light's inventory of approximately 400 transmission and distribution voltage circuit breakers. It determines which have the greatest wear, gas or oil leaks, maintenance cost, service stress, and fault interrupting history. It replaces those circuit breakers with the highest failure risk. This project also replaces transformer bank breakers at Union Street substation to support load growth.
- Broad Street Substation – Network (8203): (\$6,024,000 in 2017)

This ongoing project funds construction of underground network assets serving customers in the Belltown and Denny Regrade areas. The project enhances network reliability and provides sufficient service capacity for the growing electrical power needs of the Denny Triangle.

- Overhead Equipment Replacements (8351): (\$18,847,000 in 2017)  
This ongoing project replaces older equipment in City Light's distribution system that is nearing the end of its usable life, is overloaded, or is of an outdated design and requires replacement due to the lack of spare parts. This project enhances distribution system reliability, avoiding unplanned outages or interruption of service due to equipment failure.
- Underground Equipment Replacements (8353): (\$11,138,000 in 2017)  
This ongoing project replaces and improves underground electrical system equipment that is failing or approaching the end of its useful life. This project enhances distribution system reliability, avoiding unplanned outages or interruption of service due to equipment failure.
- Medium Overhead and Underground Services (8366): (\$13,845,000 in 2017)  
This ongoing project provides medium size electric power service connections from City Light's distribution system to customers' meter for power requirements of 50 KVA to 2.5 MVA and 26 kV radial services. Most of this related work is billable to the customer. The project allows Seattle City Light to provide service to new customers in a safe, reliable, timely, and cost effective manner.
- Small Overhead and Underground Services (8367): (\$6,205,000 in 2017)  
This ongoing project provides small size electric power service connections from City Light's distribution system to customers' meter for power requirements of less than 50 KVA and 26 kV radial services. Most of this related work is billable to the customer. The project allows Seattle City Light to provide service to new customers in a safe, reliable, timely, and cost effective manner.
- Denny Substation – Network (8404): (\$7,485,000 in 2017)  
This ongoing project provides network system design and construction, engineering design at the substation network interface, and underground conversion of the streetlight, traffic signals, and telecom and fiber optic systems within the Denny Substation network area.
- Distribution Automation (8425): (\$3,885,000 in 2017)  
This ongoing project automates radial distribution feeders, which includes installation of equipment to provide remote control of operations of switches on power lines and gather real time data on conditions in distribution power lines. The installation of strategically placed switches will provide the ability to automatically perform outage restoration, shift blocks of load to maximize efficiencies of feeders, and reconfigure the feeder grid.
- Advanced Metering Infrastructure (8426): (\$5,944,000 in 2017)  
This project replaces approximately 430,000 existing meters, residential or commercial, with Smart Meters allowing two-way communication between City Light and its customers. Smart Meters automate meter reading, increase customer service, heighten billing capacity, allow for reduced energy consumption by providing more information on use, improve outage restoration efficiency and support rate structure flexibility. Implementation of the project positions the utility to comply with NERC and FERC programs and requirements.
- Pole Attachment Requests Preparation Work (8452): (\$3,525,000 in 2017)  
This ongoing project funds utility crews and engineers to prepare City Light poles for the attachment of other communication infrastructure. This project provides for

### 2017-2022 Proposed Capital Improvement Program

additional revenues through pole attachment fees and construction costs, which are fully reimbursable.

- Broadband – City Light (8465): (\$2,755,000 in 2017)  
This project provides funding to allow City Light to meet increased customer demand for wireless capabilities.
- Security Improvements (9202): (\$3,009,000 in 2017)  
This ongoing program plans, designs, and implements projects that improve the physical security of City Light critical facilities in order to mitigate unauthorized access and criminal activities that could cause system damage, power outages, and other related disruptions to the electrical system.
- Enterprise Geographic Information System (9957): (\$2,438,000 in 2017)  
This project investigates, evaluates, and provides a recommendation to develop a unified GIS system that meets all of the Utility's needs by replacing the two separate and incompatible Geographic Information Systems (GIS) that City Light currently maintains which will allow integration with future software systems (such as Mobile Workforce).

**External Projects:** Projects in this program respond to requests from local jurisdictions to relocate distribution services from overhead to underground systems per the terms of franchise agreements; maintain and upgrade the streetlight system; relocate utility infrastructure in response to major transportation projects; and provide capital improvements in response to other customer-requested service needs. Allocation changes reflect revised scope and schedule projections provided by the transportation project managers.

For 2017, the CIP includes \$65.8 million in funding for 17 External Projects. ***Highlights, ordered by project number, include:***

- Alaskan Way Viaduct & Seawall Replacement – Utility Relocations (8307): (\$39,858,000 in 2017)  
The project provides for the relocation of utility infrastructure in conjunction with the Washington State Department of Transportation project. This project is experiencing delays due to repairs to Bertha.
- Overhead and Underground Relocations (8369): (\$2,227,000 in 2017)  
This ongoing project relocates Seattle City Light electrical lines as required by transportation projects.
- Transportation Streetlights (8377): (\$4,407,000 in 2017)  
This ongoing project relocates City Light owned streetlights as required by City of Seattle Department of Transportation (SDOT) projects.
- Streetlights: Arterial, Residential and Floodlights (8378): (\$3,495,000 in 2017)  
This ongoing project provides street lighting as requested by various taxing jurisdictions and other customers. Streetlights and floodlights are provided in the public right of way, and on private property, for either public or private benefit.
- Streetlight LED Conversion Program (8441): (\$5,799,000 in 2017)  
This project upgrades streetlights with LED fixtures in order to reduce annual energy consumption and utility maintenance costs. The utility recovers costs for this project through streetlight rates.
- Streetlight Infrastructure Program (8460): (\$3,098,000 in 2017)  
This ongoing project will replace the highest priority streetlights and related underground infrastructure identified in the Streetlight Horizon Plan over the six-

year planning horizon. Streetlight infrastructure replacements include poles, fixtures, conduits, hand holes, and wiring. Emphasis will be placed on standardization of fixtures, construction materials, and construction methods. This project will provide the engineering resources needed to prioritize replacements, develop estimates, and manage and track construction.

- Center City Connector Streetcar (8470): (\$2,020,000 in 2017)  
This City Light will provide power relocations & service for the proposed SDOT Center City Connector Streetcar project. The SDOT project is intended to link the existing North Downtown Streetcar with the First Hill Connector Streetcar.
- Sound Transit Lynnwood – City Light (8471): (\$1,473,000 in 2017)  
This project supports Sound Transit's Lynnwood Link. This project will include 100 blocks of relocations, a significant fraction of which will convert lines from overhead to underground. The project will install two feeders for each of the light rail line's traction power stations and upgrade the radial system's capacity where needed to serve the new load.

**Central Utility Projects:** Projects in this program provide for centralized billing and customer service systems, financial and information technology systems that are critical to the utility's operation, and vehicle fleets and facilities that are not part of the power generating plant (e.g., equipment shops, service centers, and maintenance yards).

For 2017, the CIP includes \$39.1 million in funding for 28 Central Utility Projects. **Highlights, ordered by project number, include:**

- Building Envelope Upgrades (9072): (\$1,781,000 in 2017)  
This ongoing project replaces or restores exterior moisture and thermal barrier components of buildings such as roofing and insulation systems, exterior siding and cladding systems, windows and exterior doors. This project allows for the proactive replacement of building exteriors in order to avert costly structural damage and prevent the growth of toxic mold inside wall cavities and ceiling spaces that can easily render a building uninhabitable. The project also enhances operational efficiency by mitigating emergency repairs which disrupt utility operations.
- Equipment Fleet Replacement (9101): (\$7,500,000 in 2017)  
This ongoing project replaces, updates, and expands City Light's heavy duty mobile equipment fleet. This project also funds the gradual replacement of light-duty vehicles owned by City Light, including those previously leased from the Department of Finance & Administrative Services and now owned by City Light.
- Workplace and Process Improvement (9159): (\$2,362,000 in 2017)  
This ongoing project funds alterations that preserve workplace efficiency, focusing on adapting exterior work spaces and interior building elements to support business process improvements for occupant work groups. Interior systems improvements could include flooring replacements, interior remodeling, computer network cabling upgrades, uninterruptible power systems and computer flooring. Exterior system improvements could include fencing, security systems, paving and striping, and exterior building components.
- Information Technology Infrastructure (9915): (\$3,351,000 in 2017)  
This ongoing project funds replacement and improvement of the Utility's information technology infrastructure. Components purchased by this project include servers, network and communications equipment, disk storage, and application and operating

- system software.
- New Customer Information System (9937): (\$5,668,000 in 2017)  
This project replaces the existing Consolidated Customer Service System (CCSS) application with a more current and viable technology solution. The CCSS provides Customer Information System (CIS) processing and support for City Light, Seattle Public Utilities, the City's Utility Call Center, and other customer service staff. The existing system does not support the current business model and direction of the City of Seattle's utilities, and is no longer supported by the vendor. The project will preserve and enhance the City's ability to continue to deliver this critical function into the future.
- PeopleSoft Reimplementation - City Light (9970): (\$7,945,000 in 2017)  
This project funds City Light's costs for the replacement of the City's accounting system with an upgraded version of the PeopleSoft software.

### Thematic Priorities

The Updated 2017-2022 City Light Strategic Plan is organized around four key objectives:

- **Improve Customer Experience and Rate Predictability** – Seattle's technology-savvy population expects City Light to efficiently manage the energy system and respond quickly to customer concerns and outages, and to be able to predict and budget their utility costs.
- **Increase Workforce Performance and Safety Practices** – The Strategic Plan gives City Light a path to proactively manage an impending wave of retirements and be able to retain highly skilled workers. City Light encourages staff to focus on safety awareness and strives to continuously improve its employee safety record.
- **Enhance Organizational Performance** – City Light's goal is to be in the top 10% of peer utilities on measures of efficiency and effectiveness, and to reduce baseline costs by an ongoing \$18 million per year, at a minimum, starting in 2015.
- **Continue Conservation and Environmental Stewardship Leadership** – The Strategic Plan ensures that the utility remains the nation's greenest utility. City Light invests in research and strategic initiatives such as promoting electric vehicles that will help it adapt to the impacts of climate change. The utility is also looking at ways to strengthen its financial resources in environmentally-responsible ways such as optimizing its ability to sell excess power on the wholesale energy market, among other things.

CIP projects implement these objectives in the following ways:

- **Maintaining existing infrastructure and supporting basic operations** – The majority of CIP projects involve maintaining existing systems and equipment or supporting the ongoing daily operations of the utility. These projects include major maintenance work that extends the life and function of facilities and equipment, scheduled replacements of old and failing equipment, supporting customer connections, and addressing unexpected system outages. Some projects respond to external conditions, such as relocations due to major transportation projects. The CIP also includes projects for renovating streetlights and underground cables.

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- **Upgrading capacity and services to provide new functionality** – CIP Projects also increase the utility’s generation and distribution capacity, and provide new functionality for management and customer service systems. The 2017-2022 CIP continues funding for these capacity-related projects, such as the Customer Information System, the Denny Substation, Automated Metering Infrastructure, and the Energy Management System.
- **Addressing licensing, regulatory and safety requirements** – Federal licenses governing the operation of the utility’s dams require a number of environmental, historic preservation, and recreation mitigation measures. In addition, federal regulation of the transmission grid and energy market transactions requires system upgrades and improvements. The CIP includes projects that improve safety, proactively reduce infrastructure risks, and address transmission grid improvements and regulatory compliance.
- **Maintaining the utility’s information technology systems** – The electric utility industry relies heavily on information technology systems. IT systems help City Light provide real time management and automation of operations; design and digitally record utility systems and assets; regulate power across the regional transmission grid; manage financial transactions on the energy market; and increase business efficiencies throughout the organization. The CIP includes projects that maintain the hardware and software necessary to provide these functions, and implements Strategic Plan initiatives that improve cyber security and disaster recovery.

### Project Selection Criteria

Four years ago, City Light completed the most extensive planning process ever undertaken by the utility to serve as a road map for how to best meet customers’ current and future needs. The plan was the product of a process launched by the Mayor and City Council in 2010 and overseen by a newly chartered City Light Review Panel representing key customer groups.

The 2017-18 CIP is based on the proposed 2017 Strategic Plan update. Project ideas to implement the Strategic Plan and accomplish baseline service delivery come from throughout City Light. Staff members in the operational divisions are responsible for creating official proposals. Members of each of the utility’s organizational lines of business (e.g., power supply, transmission and distribution, customer service) prioritize capital spending within their divisions and then submit recommended projects to a centralized capital budgeting system.

City Light management compares proposals against criteria that evaluate the projects’ costs, benefits, and risks. The utility gives priority to mandatory requirements and projects currently underway before considering future projects and new initiatives. Utility staff develops business cases to document the project expectations and rationale and provide a cost-benefit analysis of alternatives.

Availability of funding and labor resources constrains the CIP. City Light management seeks to balance the overall needs of the utility within these constraints and may rescope, reschedule, or defer projects in its six-year CIP. City Light intends to revisit the adopted Strategic Plan every two years to maintain transparency and set direction for future CIP development.

**CIP Budget Control Levels in the 2017-18 Proposed Budget**

The dollar amounts shown in the CIP are total project costs to be capitalized and include both direct costs and associated overhead costs. Overhead costs include a share of the department’s support functions (such as finance, administration, and human resources), employee benefits, and interest incurred during construction.

Because City Light requests budget authority for indirect overhead costs in Operating Budget Control Levels, the total project allocations in the CIP Programs are higher than the corresponding CIP Budget Control Levels in the 2017-2022 Proposed Budget. A table explaining how the 2017-2022 Proposed CIP program totals align with CIP Budget Control Levels in the 2017-2018 Proposed Budget is shown below.

**CIP Programs -- Project Totals for 2017 (\$1,000s)**

**Loadings and Overhead Estimates (appropriated separately in Operating BCLs)**

		<b>CIP Programs -- Project Totals for 2017</b>					
<b>Direct Costs (in \$1s)</b>		Power Supply	Transmission	Distribution	External Projects	Central Utility Projects	<b>2017 Appropriations</b>
<b>CIP Budget Control Levels</b>	Power Supply & Environmental Affairs (SCL 250)	51,095	0	0	0	19,725	70,820
	Transmission and Distribution (SCL360)	0	10,558	131,812	0	0	142,370
	Customer Focused -CIP (SCL370)	0	0	29,359	58,001	6,067	93,427
	Financial Services (SCL550)	0	0	0	0	8,633	8,633
<b>Total Direct Costs</b>		<b>51,095</b>	<b>10,558</b>	<b>161,171</b>	<b>58,001</b>	<b>34,425</b>	<b>315,250</b>
<b>Loadings and Overhead Estimates (appropriated separately in Operating BCLs)</b>							
	Interest During Construction	2,685	743	7,645	2,061	1,236	14,370
	Paid Time Off	1,627	231	5,110	489	381	7,838
	Fringe Benefits	3,283	466	10,297	986	779	15,811
	Payroll Tax (FICA)	758	106	2,881	258	161	4,164
	Material	3	12	2,960	898	0	3,873
	Transportation	374	177	3,817	337	34	4,739
	Shop	67	0	208	0	68	343
	Administrative & General	8,176	1,091	29,686	2,797	2,035	43,785
<b>Total Overhead</b>		<b>16,973</b>	<b>2,826</b>	<b>62,604</b>	<b>7,826</b>	<b>4,694</b>	<b>94,923</b>
<b>CIP Project Allocations</b>		<b>68,068</b>	<b>13,384</b>	<b>223,775</b>	<b>65,827</b>	<b>39,119</b>	<b>410,173</b>

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City Light typically abandons unspent capital appropriation authority in the CIP Budget Control Levels at the end of each year and re-appropriates the necessary capital authority in the following year's budget. In order to manage total spending on certain high-profile projects, the utility manages their total "lifetime" appropriations and carries forward their unspent capital appropriation authority into subsequent years. This allows for careful review of project changes, and easier tracking of total budget and spending on these projects. The 2017-2022 Proposed CIP includes 35 "lifetime" appropriation projects. Examples include:

- Boundary – Licensing Mitigation (6987)
- Denny Substation Development (7757)
- Denny Substation – Network (8404)
- Advanced Metering Infrastructure (8426)
- Technical Training Center Development (9230)
- Enterprise Geographic Information System (9957)
- PeopleSoft Reimplementation (9970)

Because unspent "lifetime" budget authority is carried forward from year to year, allocations for these projects can vary significantly from the spending plans shown on the project pages. The spending plans reflect the anticipated scheduled spending on these projects. Other projects may also show variance between budgeted allocations and spending plans because of encumbrances for multi-year contracts.

### **Summary of Upcoming Budget Issues and Challenges**

City Light faces a series of challenges common to electric utilities:

- Infrastructure constructed in the 1950s and 1960s is now reaching the end of its useful life.
- Retirements of the "Boomer" generation are causing gaps in institutional knowledge and experience.
- Material procurement is becoming more complex due to inflation in commodity prices such as copper and the movement of manufacturing of large electrical equipment overseas.
- The impacts of transportation projects and franchise city undergrounding initiatives are difficult to plan for because the external agencies sponsoring these projects have relatively short planning horizons and sometimes have difficulty staying on schedule.
- Security risks continue to be a challenge. And both physical and cyber security are subject to greatly increasing regulatory requirements.
- Requirements for environmental mitigation, permitting, and construction site mitigation are difficult to accurately estimate and involve substantial schedule risk.
- Licensing requirements are key to the continued operation of City Light's hydro generation assets, and these requirements can change over time.
- One challenge that contains substantial promise of improvement is the movement to digital electrical operations. The technology exists for great efficiency improvements by use of real-time monitoring and control systems.

City Light is well positioned to meet these challenges through implementation of the carefully planned portfolio of programs and projects in the Strategic Plan.

## Future Projects/What is on the Horizon

The updated 2017-2022 Strategic Plan highlights two new initiatives that will provide enhanced services and efficiencies. Brief descriptions of new CIP projects are also listed below. Highlights for existing baseline projects are included in the CIP Highlights section.

## Adapting to a Changing Future

The electric industry is changing. Seattle's electric load growth is slowing and may decline long term, even as the economy grows. That means less revenue for the utility as it faces increasing costs to replace aging infrastructure and deploy new technology customers want. The fast pace of technological change means electric vehicles, solar power and battery storage are becoming more efficient and less expensive. The reality is that customers may not need traditional utility service tomorrow as they do today.

## Utility of the Future

City Light is committed to adapting to these and other change. As part of the Strategic Plan update, we will explore how to become an agile "Utility of the Future" and have already identified two areas where the utility must evolve: transportation electrification and climate adaptation.

Additional CIP projects in the updated 2017-2022 Strategic Plan include the following:

- Cedar Falls Rehabilitation
- Dam Safety Improvements
- Fauntleroy Undergrounding
- Seattle Waterfront Streetlight Installation
- Vista Switch Automation
- Battery Storage Pilot
- Special Work Equipment – Tech Metering
- Stormwater Compliance
- Electric Vehicle Infrastructure
- Outage Management System Phases II Implementation
- Call Center Improvements – City Light
- Project Management System Implementation
- Asset Condition Assessment and Test Tracking System
- Data Warehouse Implementation
- Western Energy Imbalance Market

## Service centers master plan

Also included in the 2017-2022 Proposed CIP Budget, but not beginning until 2021, is the Service Center Development project. City Light's service centers are the backbone of its operations, directly impacting its mission to provide reliable, low-cost power to customers. Many essential functions are located in the service centers including line trucks and dispatching; materials and equipment; shipping and receiving; staging of supplies; and shops operations and fabrication. Built in the 1950s and 1920s, respectively, City Light's North and South Service Centers have exceeded their intended operational lifespans. The following challenges exist at the service centers:

- Building systems are aging and increasingly unreliable.
- Service yard areas are constrained and highly congested, and there is little

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- opportunity to accommodate growth or reconfigure spaces to meet changing needs.
- The South Service Center sits in an area of Seattle that has a high susceptibility to soil liquefaction during an earthquake, which would have significant impacts on the continuity of operations following an earthquake.

This initiative will carry out a site master planning process to evaluate options for making improvements to the current facilities, or potentially consolidate them into one centralized location.

### **Anticipated Operating Expenses Associated with Capital Facilities Projects**

Operations and maintenance costs, where identified, are included in City Light's operating budget. In some projects, City Light identified operations and maintenance costs of zero or did not calculate a number (N/C). In these cases, the operating cost impacts of the project are either insignificant or are offset by cost savings realized by other projects.

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>A1 Power Supply - Boundary</b>					<b>BCL/Program Code:</b>			<b>SCL250-A1</b>	
Boundary - Access Road Stability Improvements (6615)	0	519	561	1,134	0	0	0	0	2,214
Boundary - DC Battery System & Charge Modernization (6566)	0	264	152	0	0	0	0	0	416
Boundary - Entrance Improvements (6601)	0	1,945	2,289	0	0	0	0	0	4,234
Boundary - Licensing Mitigation (6987)	25,887	44,862	9,040	29,520	15,780	11,260	21,710	7,301	165,360
Boundary - Unit 55 Exciter Replacement (6602)	129	847	18	0	0	0	0	0	994
Boundary - Unit 56 Exciter Replacement (6603)	0	1,198	638	42	0	0	0	0	1,878
Boundary Crane Improvements (6620)	0	0	1,011	1,082	0	0	0	0	2,093
Boundary Dam - Instrumentation Upgrade and Integration (6343)	10,312	278	1,094	505	0	0	0	0	12,189
Boundary Facility - Minor Improvements Program (6401)	18,373	2,175	1,515	1,981	4,395	10,829	7,217	12,420	58,905
Boundary Powerhouse - Transformer Bank Rockfall Mitigation (6485)	502	0	0	0	254	83	12,281	13,261	26,381
Boundary Powerhouse - Unit 51 Generator Rebuild (6351)	0	838	3,307	11,271	5,120	1,845	0	0	22,381
Boundary Powerhouse - Unit 52 Generator Rebuild (6535)	0	0	0	0	11,836	1,447	5,750	1,818	20,851
Boundary Powerhouse - Unit 54 Generator Rebuild (6353)	0	0	0	7,320	5,678	5,552	1,853	0	20,403
Boundary Switchyard - Generator Step-up Transformers (6493)	1,262	10,326	6,802	6,746	6,463	6,186	8,083	0	45,868
Landis and Gyr RTU Modernization Boundary, CF, Skagit (6565)	0	0	0	0	478	731	585	0	1,794
<b>A1 Power Supply - Boundary</b>	<b>56,465</b>	<b>63,252</b>	<b>26,427</b>	<b>59,601</b>	<b>50,004</b>	<b>37,933</b>	<b>57,479</b>	<b>34,800</b>	<b>385,961</b>
<b>A2 Power Supply - Skagit</b>					<b>BCL/Program Code:</b>			<b>SCL250-A2</b>	
Diablo - Load Interrupters Replacement (6532)	61	3,126	1,002	718	0	0	0	0	4,907
Diablo - Replace Bank Transformers (6589)	0	0	0	0	0	112	927	7,658	8,697
Diablo Dam - Spill Gate Trunnion Upgrades (6610)	0	120	500	522	548	576	604	335	3,205
Diablo Facility - Incline Lift Rehabilitation (6457)	0	0	0	0	0	32	57	600	689

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Diablo Facility - Lines Protection Upgrades (6483)	4,967	405	2	81	1,777	96	0	0	7,328
Diablo Powerhouse - Rebuild Generator Unit 31 (6422)	752	14,493	5,807	473	0	0	0	0	21,525
Diablo Powerhouse - Rebuild Generator Unit 32 (6423)	1,339	12,378	5,988	5,035	341	0	0	0	25,081
Gorge - 240V AC Station Service Switchgear Replacement (6581)	0	629	530	0	0	0	0	0	1,159
Gorge Powerhouse - Fire Protection Improvements (6326)	0	87	71	54	221	325	120	122	1,000
Newhalem - Generator 20/Support Facility Rebuild (6479)	2,790	772	110	257	0	0	0	0	3,929
Ross - 480V AC Station Service Switchgear Replacement (6580)	0	0	0	0	110	5,707	0	0	5,817
Ross - Exciters 41-44 (6564)	0	237	0	439	3,274	216	695	0	4,861
Ross - Governors (6562)	320	2,803	3,579	556	0	0	0	0	7,258
Ross - Powerhouse Rockfall Mitigation (6577)	0	0	106	400	50	4,484	0	0	5,040
Ross - R1 and R2 Relay and Instrumentation Upgrade (6582)	0	0	105	110	459	127	0	0	801
Ross - Rock Slide Area Improvements (6516)	8,919	533	10	0	0	0	0	0	9,462
Ross Dam - AC/DC Distribution System Upgrade (6373)	2,105	546	1,741	483	11	3,682	0	0	8,568
Ross Dam - New Access Road from SR20 to Dam (6452)	0	0	0	0	0	11,453	2,167	7,342	20,962
Ross Powerhouse - Programmable Language Controller Upgrade (6376)	81	283	454	141	0	0	0	0	959
Ross Powerhouse - Replace Transformer Banks 42 and 44 (6541)	644	11,619	1,737	50	0	0	0	0	14,050
Skagit - Babcock Creek Crossing (6514)	152	646	58	0	0	0	0	0	856
Skagit - Boat Facility Improvements (6540)	102	1,236	736	382	0	0	0	0	2,456
Skagit - DC Battery System & Charge Modernization (6583)	23	117	341	0	0	0	0	0	481
Skagit - Facilities Energy Conservation Program (6515)	5,142	4,381	19	1,074	0	0	0	0	10,616
Skagit - Relicensing (6986)	0	0	528	1,331	7,373	6,542	14,175	26,288	56,237

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## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Skagit - Sewer System Rehabilitation (6232)	3,904	1,759	658	605	2,945	165	0	0	10,036
Skagit Facilities Plan (6520)	2,747	2,291	2,196	2,672	0	0	0	0	9,906
Skagit Facility - Minor Improvements Program (6405)	21,007	2,973	2,339	2,661	1,213	4,726	13,934	14,448	63,301
Skagit Licensing Mitigation (6991)	36,680	925	73	74	134	123	139	136	38,284
Skagit Powerhouses - Install Protection Relays (6415)	4,186	912	1,553	1,865	485	1,964	1,490	1,019	13,474
<b>A2 Power Supply - Skagit</b>	<b>95,921</b>	<b>63,271</b>	<b>30,243</b>	<b>19,983</b>	<b>18,941</b>	<b>40,330</b>	<b>34,308</b>	<b>57,948</b>	<b>360,945</b>
<b>A3 Power Supply - Cedar Falls - Tolt</b>						<b>BCL/Program Code:</b>		<b>SCL250-A3</b>	
Cedar Falls - Bank 6 Replacement (6573)	0	0	0	355	2,177	776	0	0	3,308
Cedar Falls - DC Battery System and Charge Modernization (6572)	0	28	24	0	0	0	0	0	52
Cedar Falls - New Generator 5/6 Exciters (6531)	0	0	214	0	0	0	0	0	214
Cedar Falls Powerhouse - Penstock Stabilization (6358)	2,084	0	0	0	343	568	187	0	3,182
Cedar Falls Powerhouse - Unit 5/6 Generator Protective Relay (6450)	1,027	532	547	61	0	0	0	0	2,167
Cedar Falls Powerhouse - Valvehouse Rehabilitation (6324)	0	0	0	0	0	675	3,155	0	3,830
Cedar Falls Rehabilitation (6625)	0	0	250	250	250	250	250	250	1,500
Cedar Falls/South Fork Tolt - Minor Improvements Program (6406)	6,710	1,360	2,455	1,261	1,208	2,314	2,926	2,989	21,223
South Fork Tolt - DC Battery System & Charge Modernization (6570)	0	28	24	0	0	0	0	0	52
<b>A3 Power Supply - Cedar Falls - Tolt</b>	<b>9,821</b>	<b>1,948</b>	<b>3,514</b>	<b>1,927</b>	<b>3,978</b>	<b>4,583</b>	<b>6,518</b>	<b>3,239</b>	<b>35,528</b>
<b>A4 Power Supply - Power Supply Other</b>						<b>BCL/Program Code:</b>		<b>SCL250-A4</b>	
Dam Safety Part 12 Improvements (6626)	0	0	451	250	250	200	200	200	1,551
Endangered Species Act Mitigation (6990)	14,671	1,924	1,100	1,124	1,146	1,169	1,192	1,216	23,542
Generation Federal Reliability Standards Improvements (6470)	9,520	10	10	11	11	11	0	0	9,573
Hydro Project Spill Containment (6530)	1,658	781	838	267	831	786	0	0	5,161

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## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Power Production - Network Controls (6385)	4,333	1,661	812	989	1,116	0	0	0	8,911
SMT AutoLab (6600)	0	0	273	484	0	0	0	0	757
Special Work Equipment - Generation Plant (6102)	12,614	1,538	929	951	1,429	1,464	1,038	1,063	21,026
Western Energy Imbalance Market (9976)	0	0	3,470	5,548	0	0	0	0	9,018
<b>A4 Power Supply - Power Supply Other</b>	<b>42,796</b>	<b>5,914</b>	<b>7,883</b>	<b>9,624</b>	<b>4,783</b>	<b>3,630</b>	<b>2,430</b>	<b>2,479</b>	<b>79,539</b>
<b>B1 Transmission - Transmission</b>						<b>BCL/Program Code:</b>		<b>SCL360-B1</b>	
Denny Substation Transmission Lines (7125)	758	1,726	8,096	5,318	2,887	6,801	42,373	0	67,959
Transmission Capacity (7011)	10,822	2,060	32	24	25	25	11	22	13,021
Transmission Inter-Agency (7105)	2,208	665	591	603	617	627	638	605	6,554
Transmission Line Inductor Installation (8461)	2,824	8,298	1,429	6,522	1,583	0	0	0	20,656
Transmission Line Reconductoring (8462)	303	7,607	129	229	0	0	0	0	8,268
Transmission Reliability (7104)	20,598	4,071	3,106	3,169	3,239	3,306	2,879	3,936	44,304
<b>B1 Transmission - Transmission</b>	<b>37,513</b>	<b>24,427</b>	<b>13,383</b>	<b>15,865</b>	<b>8,351</b>	<b>10,759</b>	<b>45,901</b>	<b>4,563</b>	<b>160,762</b>
<b>C1 Distribution - Substations</b>						<b>BCL/Program Code:</b>		<b>SCL360-C1</b>	
Denny Substation Development (7757)	90,956	50,442	57,405	10,833	0	0	0	0	209,636
Interbay Substation - Development (7756)	2,489	0	0	0	83	87	416	500	3,575
Relaying Improvements (7753)	29,489	4,422	4,050	4,634	5,614	4,626	4,978	5,053	62,866
Replace Breakers BPA Covington and Maple Valley Substations (7121)	546	13	11	11	11	12	12	12	628
Substation Automation (8424)	6,057	756	1,390	1,505	1,776	1,804	1,385	1,393	16,066
Substation Breaker Replacements and Reliability Additions (7779)	28,442	5,072	6,243	4,854	5,651	5,239	6,098	5,985	67,584
Substation Capacity Additions (7751)	11,094	2,069	1,864	2,057	2,208	2,511	2,096	2,196	26,095
Substation Equipment Improvements (7752)	59,830	5,963	5,310	6,092	6,901	6,915	6,655	6,302	103,968
Substation Plant Improvements (7750)	8,838	1,161	925	946	971	951	1,208	1,539	16,539
Substation Transformer Replacements (7776)	4,149	6,510	402	2,377	2,607	3,658	5,012	4,811	29,526

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Substations Demand Driven Improvements (7755)	5,811	5	6	6	6	6	6	6	5,852
Substations Oil Containment (7783)	10	280	337	344	339	346	227	602	2,485
<b>C1 Distribution - Substations</b>	247,711	76,693	77,943	33,659	26,167	26,155	28,093	28,399	544,820
<b>C2 Distribution - Network</b>							<b>BCL/Program Code:</b>		<b>SCL360-C2</b>
Broad Street Substation - Network (8203)	72,714	24,243	6,060	2,424	3,762	4,672	9,098	3,095	126,068
Denny Substation - Network (8404)	5,709	41,959	7,582	5,741	3,657	11,047	12,618	11,383	99,696
First Hill - Network (8301)	14,990	2,463	2,654	2,702	2,751	2,774	2,048	5,130	35,512
First Hill - Network Load Transfer (8407)	0	0	0	0	915	919	7,927	8,107	17,868
Massachusetts Street Substation - Networks (8202)	33,162	3,131	4,124	4,018	4,152	4,488	3,222	4,866	61,163
Network Hazeltine Upgrade (8129)	6,466	631	545	549	557	784	746	748	11,026
Network Maintenance Hole and Vault Rebuild (8130)	54,677	2,456	3,467	3,539	3,597	3,572	3,714	2,649	77,671
Union Street Substation Networks (8201)	27,512	2,415	2,540	2,590	2,636	2,753	2,986	3,041	46,473
University Substation - Network (8464)	2,771	457	383	390	396	482	497	505	5,881
<b>C2 Distribution - Network</b>	218,001	77,755	27,355	21,953	22,423	31,491	42,856	39,524	481,358
<b>C3 Distribution - Radial</b>							<b>BCL/Program Code:</b>		<b>SCL360-C3</b>
Asset Condition Assessment and Test Tracking System (9974)	0	0	0	0	1,926	747	1,000	400	4,073
Automated Utility Design Implementation (9950)	3,741	2,019	869	92	0	0	0	0	6,721
Battery Storage Pilot (8484)	0	0	501	501	501	501	501	501	3,006
Broadband - City Light (8465)	2,321	3,643	2,755	2,709	2,760	3,141	3,153	3,224	23,706
Dallas Ave. 26 kV Crossing (8322)	838	459	80	184	55	44	46	0	1,706
Distribution Automation (8425)	2,209	3,430	3,885	2,281	2,850	2,948	2,982	1,503	22,088
Fauntleroy Undergroundings (8480)	0	0	0	0	1,502	2,003	0	0	3,505
Laurelhurst - Underground Rebuild (8373)	9,056	1,454	329	0	0	0	0	0	10,839
Mobile Workforce Implementation (8429)	0	4,030	205	436	1,226	1,254	0	0	7,151

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Overhead 26kV Conversion (8358)	13,982	2,098	1,750	1,768	1,762	1,785	1,817	1,447	26,409
Overhead Customer Driven Capacity Additions (8355)	33,771	3,623	3,799	4,376	5,035	5,684	4,083	6,081	66,452
Overhead Equipment Replacements (8351)	80,689	21,063	18,848	18,171	25,379	25,676	23,474	25,191	238,491
Overhead System Capacity Additions (8356)	30,539	2,520	2,735	2,661	2,637	2,703	3,434	3,485	50,714
Pole Attachment Requests Preparation Work (8452)	6,919	4,321	3,525	3,582	3,627	4,023	4,539	4,587	35,123
Special Work Equipment - Tech Metering (8485)	0	0	205	210	215	220	225	231	1,306
Underground 26kV Conversion (8362)	5,489	2,533	1,677	2,028	2,522	2,550	2,775	4,159	23,733
Underground Customer Driven Capacity Additions (8360)	28,119	2,949	2,200	2,237	2,403	2,292	2,298	3,687	46,185
Underground Equipment Replacements (8353)	32,476	12,728	11,156	10,367	10,519	8,695	14,963	16,947	117,851
Underground System Capacity Additions (8361)	30,839	3,451	2,904	2,954	3,027	2,453	4,375	4,353	54,356
Vista Switch Automation (8483)	0	0	0	401	801	801	801	801	3,605
<b>C3 Distribution - Radial</b>	<b>280,988</b>	<b>70,321</b>	<b>57,423</b>	<b>54,958</b>	<b>68,747</b>	<b>67,520</b>	<b>70,466</b>	<b>76,597</b>	<b>747,020</b>
<b>C4 Distribution - Service Connections</b>							<b>BCL/Program Code:</b>	<b>SCL370-C4</b>	
Advanced Metering Infrastructure (8426)	2,558	35,434	7,980	25,952	12,179	0	0	0	84,103
Large Overhead and Underground Services (8365)	19,429	2,947	2,944	3,071	4,225	3,290	5,127	6,522	47,555
Major Emergency (8380)	2,469	256	262	266	270	274	1,431	1,462	6,690
Medium Overhead and Underground Services (8366)	96,012	10,380	13,845	14,299	11,290	11,161	8,826	14,320	180,133
Meter Additions (8054)	66,327	2,246	2,282	2,317	2,644	2,711	2,839	2,977	84,343
Network Additions and Services - Denny (8405)	2,044	1,595	2,311	2,665	2,717	2,477	3,114	4,930	21,853
Network Additions and Services: Broad Street Substation (8363)	53,305	5,889	6,504	6,856	6,824	6,960	7,218	7,096	100,652
Network Additions and Svcs: First Hill, Mass, Union & Univer (8364)	33,519	3,580	4,037	2,926	3,007	3,042	3,557	3,605	57,273
Normal Emergency (8379)	10,768	494	569	579	1,311	1,328	2,500	2,545	20,094
Overhead Outage Replacements (8350)	3,268	272	310	318	456	956	971	1,118	7,669

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## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Small Overhead and Underground Services (8367)	54,153	6,200	6,205	6,314	5,504	5,396	5,343	6,709	95,824
Underground Outage Replacements (8352)	18,619	1,126	1,165	1,184	1,535	1,978	2,012	1,672	29,291
<b>C4 Distribution - Service Connections</b>	362,471	70,419	48,414	66,747	51,962	39,573	42,938	52,956	735,480
<b>C5 Distribution - Distribution Other</b>									
							<b>BCL/Program Code:</b>	<b>SCL360-C5</b>	
Asset Investment and Optimization (9968)	0	0	0	0	0	0	3,373	1,151	4,524
Communications Improvements (9009)	11,749	1,555	1,121	944	909	912	975	852	19,017
Distribution Area Communications Networks (9307)	21,251	1,641	1,115	2,718	2,605	2,957	2,848	2,056	37,191
Distribution Management System (9966)	0	0	0	0	6,307	1,628	121	0	8,056
Energy Management System (9956)	8,251	14,121	398	0	0	0	0	0	22,770
Enterprise Geographic Information System (9957)	5	5,039	2,308	2,912	1,738	0	0	0	12,002
Enterprise Software Solution Replacement Strategy (9969)	0	0	0	1,564	10,016	7,011	10,528	11,018	40,137
Outage Management System Phase II Implementation (9967)	0	0	1,392	2,131	0	0	0	0	3,523
Project Management System Implementation (9973)	0	0	0	0	0	0	2,003	1,002	3,005
Security Improvements (9202)	21,362	10,321	3,275	2,357	2,252	2,292	2,342	2,272	46,473
Special Work Equipment - Other Plant (9102)	20,728	1,186	1,077	1,102	1,129	1,156	1,184	1,212	28,774
Stormwater Compliance (9236)	0	0	501	501	501	501	0	0	2,004
Tool Room Automation (9965)	0	989	232	0	0	0	0	0	1,221
Transmission & Generation Radio Systems (9108)	15,005	294	1,223	1,347	752	947	991	1,006	21,565
<b>C5 Distribution - Distribution Other</b>	98,351	35,146	12,642	15,576	26,209	17,404	24,365	20,569	250,262
<b>D1 External Projects - Local Jurisdictions</b>							<b>BCL/Program Code:</b>	<b>SCL370-D1</b>	
Citywide Undergrounding Initiative - City Light (8403)	0	2,842	10	4	4	4	5	12	2,881
Seattle Waterfront Streetlight Installation (8481)	0	0	300	300	401	5,008	5,008	4,006	15,023
Streetlight Infrastructure Replacement (8460)	6,459	5,066	3,098	3,170	3,296	3,966	4,360	4,184	33,599
Streetlight LED Conversion Program (8441)	25,189	8,048	5,799	5,435	6,090	6,993	6,773	6,933	71,260

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## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Streetlights: Arterial, Residential and Floodlights (8378)	24,063	5,041	3,495	3,494	3,756	4,258	4,946	5,067	54,120
Transportation Streetlights (8377)	10,792	2,740	4,407	4,225	3,999	4,010	4,092	7,104	41,369
<b>D1 External Projects - Local Jurisdictions</b>	<b>66,503</b>	<b>23,737</b>	<b>17,109</b>	<b>16,628</b>	<b>17,546</b>	<b>24,239</b>	<b>25,184</b>	<b>27,306</b>	<b>218,252</b>
<b>D2 External Projects - Transportation Relocations</b>						<b>BCL/Program Code:</b>		<b>SCL370-D2</b>	
Alaskan Way Viaduct and Seawall Replacement - Utility Relocs (8307)	105,520	35,664	39,881	31,916	19,297	3,660	2,098	143	238,179
Center City Connector Streetcar – City Light (8470)	64	424	2,020	4,168	0	0	0	0	6,676
First Hill Connector Streetcar (8442)	2,750	948	306	11	0	0	0	0	4,015
Overhead and Underground Relocations (8369)	13,220	2,505	2,227	2,304	2,574	3,827	3,904	3,980	34,541
Sound Transit - City Light System Upgrades (8475)	0	0	98	0	0	0	0	0	98
Sound Transit Light Rail East Link - City Light (8450)	52	828	851	23	0	0	0	0	1,754
Sound Transit Lynnwood - City Light (8471)	13	216	1,473	1,549	1,625	1,622	1,068	0	7,566
Sound Transit Northlink - City Light (8427)	3,170	3,455	957	0	0	0	0	0	7,582
State Route 520 Bridge Relocations (8435)	0	598	597	429	236	44	22	0	1,926
<b>D2 External Projects - Transportation Relocations</b>	<b>124,789</b>	<b>44,638</b>	<b>48,410</b>	<b>40,400</b>	<b>23,732</b>	<b>9,153</b>	<b>7,092</b>	<b>4,123</b>	<b>302,337</b>
<b>D3 External Projects - Customer Other</b>						<b>BCL/Program Code:</b>		<b>SCL370-D3</b>	
Creston-Nelson to Intergate East Feeder Installation (8430)	6,160	369	301	11	0	0	0	0	6,841
Neighborhood Voluntary Undergrounding Program (8383)	277	472	8	8	8	8	8	15	804
<b>D3 External Projects - Customer Other</b>	<b>6,437</b>	<b>841</b>	<b>309</b>	<b>19</b>	<b>8</b>	<b>8</b>	<b>8</b>	<b>15</b>	<b>7,645</b>
<b>E1 Central Utility Projects - Customer and Billing</b>						<b>BCL/Program Code:</b>		<b>SCL370-E1</b>	
Call Center Improvements - City Light (9972)	0	0	501	501	0	0	0	0	1,002
New Customer Information System (9937)	33,141	15,014	5,668	0	0	0	0	0	53,823
<b>E1 Central Utility Projects - Customer and Billing</b>	<b>33,141</b>	<b>15,014</b>	<b>6,169</b>	<b>501</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54,825</b>

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## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>E2 Central Utility Projects - Finance and IT Systems</b>					<b>BCL/Program Code:</b>			<b>SCL550-E2</b>	
Data Warehouse Implentation (9975)	0	0	200	150	150	150	150	150	950
Enterprise Document Management System (9962)	2,939	3,340	582	2,914	1,814	1,424	1,168	772	14,953
Enterprise Performance Management (9933)	4,671	1,442	420	0	0	0	0	0	6,533
Information Technology Infrastructure (9915)	46,785	5,646	500	503	501	500	500	500	55,435
IT Security Upgrades (9960)	3,176	609	560	1,112	1,143	1,162	529	590	8,881
PeopleSoft Reimplementation - City Light (9970)	1,535	15,930	7,945	2,300	0	0	0	0	27,710
<b>E2 Central Utility Projects - Finance and IT Systems</b>	<b>59,106</b>	<b>26,967</b>	<b>10,207</b>	<b>6,979</b>	<b>3,608</b>	<b>3,236</b>	<b>2,347</b>	<b>2,012</b>	<b>114,462</b>
<b>E3 Central Utility Projects - Fleets and Facilities</b>					<b>BCL/Program Code:</b>			<b>SCL250-E3</b>	
Building Envelope Upgrades (9072)	7,855	1,945	1,781	1,632	1,263	1,276	1,306	1,337	18,395
Denny Substation Tenant Improvements (9235)	0	3,301	1,995	1,412	21	0	0	0	6,729
Electric Vehicle Infrastructure (9237)	0	0	1,753	1,052	0	0	0	0	2,805
Energy Conservation (9320)	2,551	955	323	332	117	117	119	122	4,636
Environmental Safeguarding and Remediation of Facilities (9152)	1,237	49	92	98	58	59	60	61	1,714
Equipment Fleet Replacement (9101)	86,338	12,513	7,500	7,652	7,190	7,195	7,198	10,050	145,636
Facilities Infrastructure Improvements (9156)	3,472	523	449	456	65	64	65	67	5,161
Facilities Regulatory Compliance (9151)	1,358	479	334	342	350	359	367	376	3,965
Georgetown Steamplant Access Road (9233)	2	361	691	703	0	0	0	0	1,757
Miscellaneous Building Improvements (9007)	11,794	1,478	1,594	2,210	2,307	3,749	3,828	3,903	30,863
North and South Service Center Improvements (9107)	34,843	400	363	354	823	3,956	5,374	5,530	51,643
Office Furniture and Equipment Purchase (9103)	19,397	732	683	699	1,101	1,128	1,155	1,182	26,077
Safety Modifications (9006)	3,993	1,936	1,376	1,353	1,383	1,373	1,405	1,437	14,256
Seismic Mitigation (9134)	5,527	60	136	89	96	602	605	607	7,722
Service Center Development Project (9232)	0	0	0	0	0	0	59,720	40,340	100,060

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## 2017 - 2022 Proposed Capital Improvement Program

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Solar Microgrid for Resilience (9238)	0	0	12	11	0	0	0	0	23
Special Work Equipment - Shops (8389)	1,178	293	300	307	314	322	330	338	3,382
Substation Comprehensive Improvements (9161)	3,823	270	273	283	266	269	274	0	5,458
Technical Training Center Development (9230)	1,847	11,309	725	484	122	0	0	0	14,487
Workplace and Process Improvement (9159)	5,002	1,573	2,362	1,338	2,076	1,954	2,309	2,343	18,957
<b>E3 Central Utility Projects - Fleets and Facilities</b>	190,217	38,177	22,742	20,807	17,552	22,423	84,115	67,693	463,726
<b>Department Total*:</b>	1,930,231	638,520	410,173	385,227	344,011	338,437	474,100	422,223	4,942,922

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## 2017 - 2022 Proposed Capital Improvement Program

**Fund Summary**

<b>Fund Name &amp; Code</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
City Light Fund (41000)	1,930,231	638,520	410,173	385,227	344,011	338,437	474,100	422,223	4,942,922
<b>Department Total*:</b>	1,930,231	638,520	410,173	385,227	344,011	338,437	474,100	422,223	4,942,922

*\*Amounts in thousands of dollars*

**Advanced Metering Infrastructure**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8426	<b>End Date:</b>	Q4/2019
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project replaces approximately 400,000 existing meters with Smart Meters allowing two-way communication between Seattle City Light and its customers, residential or commercial. Smart Meters continuously record and transmit consumption data to the utility. They also automate meter reading, increase customer service, heighten billing capacity, reduce energy consumption, improve outage restoration efficiency, and support rate structure flexibility. Implementation of the project positions the utility to comply with North American Electric Reliability Corporation (NERC) and Federal Energy Regulatory Commission (FERC) programs and requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,558	35,434	7,980	25,952	12,179	0	0	0	84,103
<b>Total:</b>	2,558	35,434	7,980	25,952	12,179	0	0	0	84,103
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,558	35,434	7,980	25,952	12,179	0	0	0	84,103
<b>Total*:</b>	2,558	35,434	7,980	25,952	12,179	0	0	0	84,103
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		10,033	29,980	25,952	12,179	0	0	0	78,144
<b>Total:</b>		10,033	29,980	25,952	12,179	0	0	0	78,144

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**2017 - 2022 Proposed Capital Improvement Program**

**Alaskan Way Viaduct and Seawall Replacement - Utility Relocs**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	8307	<b>End Date:</b>	Q4/2022
<b>Location:</b>	SR 99 / Battery St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project allows the City to comply with its requirements to relocate Seattle City Light's infrastructure associated with the replacement of the Alaskan Way Viaduct and improvements to the Seawall and Central waterfront.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	105,520	35,664	39,881	31,916	19,297	3,660	2,098	143	238,179
<b>Total:</b>	105,520	35,664	39,881	31,916	19,297	3,660	2,098	143	238,179
<b>Fund Appropriations/Allocations</b>									
City Light Fund	105,520	35,664	39,881	31,916	19,297	3,660	2,098	143	238,179
<b>Total*:</b>	105,520	35,664	39,881	31,916	19,297	3,660	2,098	143	238,179
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		32,406	41,309	35,316	19,297	3,660	2,098	143	134,229
<b>Total:</b>		32,406	41,309	35,316	19,297	3,660	2,098	143	134,229

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Asset Condition Assessment and Test Tracking System**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9974	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the purchase and implementation of a system capable of storing and analyzing complex asset condition assessment data, including inspection, testing and sampling results. This project will replace the current XFMR transformer system and would also track the environmental impacts of related transformers.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	1,926	747	1,000	400	4,073
<b>Total:</b>	0	0	0	0	1,926	747	1,000	400	4,073
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	1,926	747	1,000	400	4,073
<b>Total*:</b>	0	0	0	0	1,926	747	1,000	400	4,073

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Asset Investment and Optimization**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2021
<b>Project ID:</b>	9968	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project provides development and deployment of a software tool that will enable City Light to perform analytics on its electrical assets; predicting end of life, and performing risk analysis and investment planning to minimize risk for the utility. This project also provides a software tool with the ability to run multiple funding scenarios and sensitivity analyses to create a consistent and long-term approach that can be easily modified when parameters change.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	0	3,373	1,151	4,524
<b>Total:</b>	0	0	0	0	0	0	3,373	1,151	4,524
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	0	3,373	1,151	4,524
<b>Total*:</b>	0	0	0	0	0	0	3,373	1,151	4,524

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Automated Utility Design Implementation**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	9950	<b>End Date:</b>	Q4/2018
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project purchases and installs Automatic Utility Design, a new engineering design software tool to replace outdated drafting software, which is no longer supported by the vendor. The AUD software will provide significant design and production efficiencies at a time when the engineering work load is increasing because of a shift to the engineers of production tasks. Additionally, the AUD software will enforce common North and South Service Center engineering practices and procedures and provide an essential interface with WAMS (Work and Asset Management System) and OMS (Outage Management System).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,741	2,019	869	92	0	0	0	0	6,721
<b>Total:</b>	3,741	2,019	869	92	0	0	0	0	6,721
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,741	2,019	869	92	0	0	0	0	6,721
<b>Total*:</b>	3,741	2,019	869	92	0	0	0	0	6,721
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,800	886	93	0	0	0	0	2,779
<b>Total:</b>		1,800	886	93	0	0	0	0	2,779

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Battery Storage Pilot**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	8484	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This new project will fund the installation of a grid-connected utility-scale battery. City Light will either work independently or with a partner to develop and demonstrate this new technology. This project will give City Light an opportunity to explore the storage technology and its impact on our local grid.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	501	501	501	501	501	501	3,006
<b>Total:</b>	0	0	501	501	501	501	501	501	3,006
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	501	501	501	501	501	501	3,006
<b>Total*:</b>	0	0	501	501	501	501	501	501	3,006

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary - Access Road Stability Improvements**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6615	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides construction of a substantial slope stabilization (design tbd, pending geotechnical report) in the area of the cut to limit maintenance inputs, insure continued access to the powerhouse and downstream areas, and improve safety (present debris flows occasionally contain larger sized rocks).

The relocated portions of the West Access Road's slopes have continued to ravel since relocation occurred in the early00's. This causes a maintenance issue for the crews as cleaning behind the existing containment line of ecology blocks at either road edge is difficult. There is also believed to be a risk that the slope could fail in a more conclusive fashion and block access to the downstream area and powerhouse. Additionally the upslope interceptor ditch (a concrete channel) has suffered undermining erosion causing the concrete to subside and not perform well at channelizing and conveying sheet flow away from the slope face.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	519	561	1,134	0	0	0	0	2,214
<b>Total:</b>	0	519	561	1,134	0	0	0	0	2,214
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	519	561	1,134	0	0	0	0	2,214
<b>Total*:</b>	0	519	561	1,134	0	0	0	0	2,214
<b>Spending Plan by Fund</b>									
City Light Fund		395	561	1,134	0	0	0	0	2,090
<b>Total:</b>		395	561	1,134	0	0	0	0	2,090

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary - DC Battery System & Charge Modernization**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6566	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will replace the existing DC battery system at Boundary.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	264	152	0	0	0	0	0	416
<b>Total:</b>	0	264	152	0	0	0	0	0	416
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	264	152	0	0	0	0	0	416
<b>Total*:</b>	0	264	152	0	0	0	0	0	416
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		233	152	0	0	0	0	0	385
<b>Total:</b>		233	152	0	0	0	0	0	385

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary - Entrance Improvements**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6601	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will make the security entrance to the Boundary Hydro Project safer for employees, working at the site, for the security guard, and for visitors. The access road to the security gate will be realigned so the guard station can be accessed between lanes of incoming and outgoing traffic instead of from the road shoulder. This will increase the guards' view of approaching traffic and will also allow traffic more time to slow down when approaching the guard station. A permanent building will be installed with water service, a restroom, and an electrical room. New signage will also be installed.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	1,945	2,289	0	0	0	0	0	4,234
<b>Total:</b>	0	1,945	2,289	0	0	0	0	0	4,234
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	1,945	2,289	0	0	0	0	0	4,234
<b>Total*:</b>	0	1,945	2,289	0	0	0	0	0	4,234
<b>Spending Plan by Fund</b>									
City Light Fund		303	2,289	0	0	0	0	0	2,592
<b>Total:</b>		303	2,289	0	0	0	0	0	2,592

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary - Licensing Mitigation**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	6987	<b>End Date:</b>	Q4/2026
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project implements Protection, Mitigation and Enhancement measures (PME) required by the terms and conditions of a settlement agreement and new license to be issued by the Federal Energy Regulatory Commission (FERC). The license allows for the continued operation of the Boundary Hydroelectric Project, Seattle City Light's largest generating station producing approximately 25 to 40% of the City's power supply.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	25,887	44,862	9,040	29,520	15,780	11,260	21,710	7,301	165,360
<b>Total:</b>	25,887	44,862	9,040	29,520	15,780	11,260	21,710	7,301	165,360
<b>Fund Appropriations/Allocations</b>									
City Light Fund	25,887	44,862	9,040	29,520	15,780	11,260	21,710	7,301	165,360
<b>Total*:</b>	25,887	44,862	9,040	29,520	15,780	11,260	21,710	7,301	165,360
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		17,847	23,755	35,289	16,710	11,789	21,838	7,513	134,741
<b>Total:</b>		17,847	23,755	35,289	16,710	11,789	21,838	7,513	134,741

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary - Unit 55 Exciter Replacement**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6602	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project installs a new electrical exciter for the Boundary Powerhouse Unit 55 Generator. A recent rewind has increased the generating capacity of the unit, and an upgraded exciter is required to reliably realize the increased capacity.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	129	847	18	0	0	0	0	0	994
<b>Total:</b>	129	847	18	0	0	0	0	0	994
<b>Fund Appropriations/Allocations</b>									
City Light Fund	129	847	18	0	0	0	0	0	994
<b>Total*:</b>	129	847	18	0	0	0	0	0	994
<b>Spending Plan by Fund</b>									
City Light Fund		1,962	18	0	0	0	0	0	1,980
<b>Total:</b>		1,962	18	0	0	0	0	0	1,980

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary - Unit 56 Exciter Replacement**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6603	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides installation of a new electrical exciter on the Boundary Powerhouse Unit 56 Generator. The unit's schedule for a rewind started in 2014, ioncreasing the capacity of the unit. The project also provides an upgraded exciter needed to reliably realize the additional capacity over the new life of the unit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	1,198	638	42	0	0	0	0	1,878
<b>Total:</b>	0	1,198	638	42	0	0	0	0	1,878
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	1,198	638	42	0	0	0	0	1,878
<b>Total*:</b>	0	1,198	638	42	0	0	0	0	1,878
<b>Spending Plan by Fund</b>									
City Light Fund		875	638	42	0	0	0	0	1,555
<b>Total:</b>		875	638	42	0	0	0	0	1,555

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Crane Improvements**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6620	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project rehabilitates and modernizes control systems and other components on two bridge cranes at the Boundary Powerhouse. The controls have exceeded their useful life and other systems, such as fall protection, are not up to current safety codes. A comprehensive crane assessment may identify additional systems requiring replacement, rehabilitation, or repair. These cranes are critical to the operation and maintenance of the six hydroelectric generators at Boundary and are directly linked to generator availability. This work supports upcoming rewind projects on Boundary Units 51, 52 and 54.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	1,011	1,082	0	0	0	0	2,093
<b>Total:</b>	0	0	1,011	1,082	0	0	0	0	2,093
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	1,011	1,082	0	0	0	0	2,093
<b>Total*:</b>	0	0	1,011	1,082	0	0	0	0	2,093
<b>Spending Plan by Fund</b>									
City Light Fund		152	1,011	1,082	0	0	0	0	2,245
<b>Total:</b>		152	1,011	1,082	0	0	0	0	2,245

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Dam - Instrumentation Upgrade and Integration**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2006
<b>Project ID:</b>	6343	<b>End Date:</b>	Q4/2018
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project funds a purchase and installation contract with an electrical contractor or supplier to upgrade or replace Unit 51-56 unit control boards, to enhance and permit a full interface with a new network-based control system. Full interface is required for long-term goal of complete plant automation.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	10,312	278	1,094	505	0	0	0	0	12,189
<b>Total:</b>	10,312	278	1,094	505	0	0	0	0	12,189
<b>Fund Appropriations/Allocations</b>									
City Light Fund	10,312	278	1,094	505	0	0	0	0	12,189
<b>Total*:</b>	10,312	278	1,094	505	0	0	0	0	12,189
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,030	1,094	505	0	0	0	0	2,629
<b>Total:</b>		1,030	1,094	505	0	0	0	0	2,629

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Facility - Minor Improvements Program**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1989
<b>Project ID:</b>	6401	<b>End Date:</b>	Q4/2022
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides financial coverage for emergent capital projects, specifically related to Boundary Facilities. These projects are, by definition, unforeseeable, unscheduled, unpredictable, and occur on a first-come, first serve basis. This project shows increased project allocations in years 2015 to 2017. This increase reflects anticipated baseline CIP spending levels for the Boundary Facility that are in line with Strategic Plan assumptions. These future year allocations will be broken out into specific CIP projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	18,373	2,175	1,515	1,981	4,395	10,829	7,217	12,420	58,905
<b>Total:</b>	18,373	2,175	1,515	1,981	4,395	10,829	7,217	12,420	58,905
<b>Fund Appropriations/Allocations</b>									
City Light Fund	18,373	2,175	1,515	1,981	4,395	10,829	7,217	12,420	58,905
<b>Total*:</b>	18,373	2,175	1,515	1,981	4,395	10,829	7,217	12,420	58,905
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,344	1,515	1,981	4,395	10,829	7,217	12,420	39,701
<b>Total:</b>		1,344	1,515	1,981	4,395	10,829	7,217	12,420	39,701

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Powerhouse - Transformer Bank Rockfall Mitigation**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	6485	<b>End Date:</b>	Q4/2022
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project constructs an intermediate switchyard at Boundary, installs new cables routed through tunnels to the surface from the Boundary Dam transformers to the switchyard, and constructs a transmission line from the switchyard to the BPA Switching Station. This project mitigates the likelihood of rock fall damage to a transformer, the bonnet over the transformer, transformer equipment, conductors, or outriggers. It reduces the likelihood of damage from such an incident which could be catastrophic and result in extended outages, personal injury, and death.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	502	0	0	0	254	83	12,281	13,261	26,381
<b>Total:</b>	502	0	0	0	254	83	12,281	13,261	26,381
<b>Fund Appropriations/Allocations</b>									
City Light Fund	502	0	0	0	254	83	12,281	13,261	26,381
<b>Total*:</b>	502	0	0	0	254	83	12,281	13,261	26,381
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	0	0	254	83	3,281	15,081	18,699
<b>Total:</b>		0	0	0	254	83	3,281	15,081	18,699

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Powerhouse - Unit 51 Generator Rebuild**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6351	<b>End Date:</b>	Q4/2020
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides the rewinding and refurbishing of the Unit 51 generator to extend its useful life, which is part of a programmatic series of projects to maintain the Utility's aging generators. It also replaces the carbon dioxide fire-suppression system with a water sprinkler system to enhance worker safety. If technology is sufficiently advanced, it may also include a rotor-mounted scanner or other diagnostic equipment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	838	3,307	11,271	5,120	1,845	0	0	22,381
<b>Total:</b>	0	838	3,307	11,271	5,120	1,845	0	0	22,381
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	838	3,307	11,271	5,120	1,845	0	0	22,381
<b>Total*:</b>	0	838	3,307	11,271	5,120	1,845	0	0	22,381
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		876	3,307	11,271	5,120	1,845	0	0	22,419
<b>Total:</b>		876	3,307	11,271	5,120	1,845	0	0	22,419

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Powerhouse - Unit 52 Generator Rebuild**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	6535	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides the rebuilding of Generator Unit 52 at the Boundary Powerhouse, as the current unit has reached the end of its normal service life. The rewind and rehabilitation of the generator includes the stator core, stator bars, rotor poles, etc. Mechanical upgrades such as seal rings and wicket gates may also be installed.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	11,836	1,447	5,750	1,818	20,851
<b>Total:</b>	0	0	0	0	11,836	1,447	5,750	1,818	20,851
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	11,836	1,447	5,750	1,818	20,851
<b>Total*:</b>	0	0	0	0	11,836	1,447	5,750	1,818	20,851
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Powerhouse - Unit 54 Generator Rebuild**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2018
<b>Project ID:</b>	6353	<b>End Date:</b>	Q4/2021
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides rewinding and refurbishing of the Boundary Powerhouse Unit 54 generator, which is part of a programmatic series of projects to maintain and extend the useful life of the Utility's aging generators. This project also provides replacement of the carbon dioxide fire-suppression system with a water sprinkler system to improve worker safety. If technology is sufficiently advanced, it may also include a rotor-mounted scanner or other diagnostic equipment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	7,320	5,678	5,552	1,853	0	20,403
<b>Total:</b>	0	0	0	7,320	5,678	5,552	1,853	0	20,403
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	7,320	5,678	5,552	1,853	0	20,403
<b>Total*:</b>	0	0	0	7,320	5,678	5,552	1,853	0	20,403
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Boundary Switchyard - Generator Step-up Transformers**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	6493	<b>End Date:</b>	Q4/2021
<b>Location:</b>	10382 Boundary Rd, Metaline, WA 99153		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project replaces existing step-up transformers at Boundary Dam, which are 50 years old and have exceeded their reliable service life. This project also includes a spare transformer as normal delivery time for transformers from order to on-site is 18 to 24 months. This project enhances long term reliability and allows for City Light to avoid a prolonged loss of generation capacity.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,262	10,326	6,802	6,746	6,463	6,186	8,083	0	45,868
<b>Total:</b>	1,262	10,326	6,802	6,746	6,463	6,186	8,083	0	45,868
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,262	10,326	6,802	6,746	6,463	6,186	8,083	0	45,868
<b>Total*:</b>	1,262	10,326	6,802	6,746	6,463	6,186	8,083	0	45,868
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		7,709	8,402	6,746	6,463	6,186	8,083	0	43,589
<b>Total:</b>		7,709	8,402	6,746	6,463	6,186	8,083	0	43,589

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Broad Street Substation - Network**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	8203	<b>End Date:</b>	Q4/2026
<b>Location:</b>	319 6th AVE N		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project funds a programmatic approach for comprehensive management of underground network assets serving customers in the Belltown and Denny Regrade areas. The project enhances network reliability and provides sufficient service capacity for the growing electrical power needs of the Denny Triangle and potentially a portion of South Lake Union area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	72,714	24,243	6,060	2,424	3,762	4,672	9,098	3,095	126,068
<b>Total:</b>	72,714	24,243	6,060	2,424	3,762	4,672	9,098	3,095	126,068
<b>Fund Appropriations/Allocations</b>									
City Light Fund	72,714	24,243	6,060	2,424	3,762	4,672	9,098	3,095	126,068
<b>Total*:</b>	72,714	24,243	6,060	2,424	3,762	4,672	9,098	3,095	126,068
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		20,315	9,260	3,243	3,762	4,672	9,098	3,095	53,445
<b>Total:</b>		20,315	9,260	3,243	3,762	4,672	9,098	3,095	53,445

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Broadband - City Light**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8465	<b>End Date:</b>	Q4/2023
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides support for expansion of broadband service to the entire City. This will involve the installation of approximately 200-250 miles of fiber optic cable, impacting about 8,000 - 10,000 utility poles. Types of construction City Light will perform include pole replacements, relocations of existing wires, equipment installation, commissioning, and inspections. This work is 100% customer driven and reimbursable.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,321	3,643	2,755	2,709	2,760	3,141	3,153	3,224	23,706
<b>Total:</b>	2,321	3,643	2,755	2,709	2,760	3,141	3,153	3,224	23,706
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,321	3,643	2,755	2,709	2,760	3,141	3,153	3,224	23,706
<b>Total*:</b>	2,321	3,643	2,755	2,709	2,760	3,141	3,153	3,224	23,706
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,073	2,755	2,709	2,760	3,141	3,153	3,224	20,815
<b>Total:</b>		3,073	2,755	2,709	2,760	3,141	3,153	3,224	20,815

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Building Envelope Upgrades**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	9072	<b>End Date:</b>	Q4/2026
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces or restores exterior moisture and thermal barrier components of buildings such as roofing and insulation systems, exterior siding and cladding systems, windows and exterior doors. This project allows for the proactive replacement of building exteriors in order to avert costly structural damage and prevent the growth of toxic mold inside wall cavities and ceiling spaces that can easily render a building uninhabitable. The project also enhances operational efficiency by mitigating emergency repairs which disrupt utility operations.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	7,855	1,945	1,781	1,632	1,263	1,276	1,306	1,337	18,395
<b>Total:</b>	7,855	1,945	1,781	1,632	1,263	1,276	1,306	1,337	18,395
<b>Fund Appropriations/Allocations</b>									
City Light Fund	7,855	1,945	1,781	1,632	1,263	1,276	1,306	1,337	18,395
<b>Total*:</b>	7,855	1,945	1,781	1,632	1,263	1,276	1,306	1,337	18,395
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,889	1,781	1,632	1,263	1,276	1,306	1,337	10,484
<b>Total:</b>		1,889	1,781	1,632	1,263	1,276	1,306	1,337	10,484

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Call Center Improvements - City Light**

<b>BCL/Program Name:</b>	E1 Central Utility Projects - Customer and Billing	<b>BCL/Program Code:</b>	SCL370-E1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9972	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds costs for the joint Seattle Public Utilities and Seattle City Light call center improvements. This project focuses on the capital improvement of the call center facility and systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	501	501	0	0	0	0	1,002
<b>Total:</b>	0	0	501	501	0	0	0	0	1,002
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	501	501	0	0	0	0	1,002
<b>Total*:</b>	0	0	501	501	0	0	0	0	1,002

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls - Bank 6 Replacement**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2018
<b>Project ID:</b>	6573	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project replaces the 60 yr old Bank 6 power step up transformer at Cedar Falls. Bank 6 provides the connection between our Cedar Falls Generating Units 5 and 6 and the transmission system. The transformer is approaching the end of its useful life and the goal of this project is to replace it during a planned outage before it fails.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	355	2,177	776	0	0	3,308
<b>Total:</b>	0	0	0	355	2,177	776	0	0	3,308
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	355	2,177	776	0	0	3,308
<b>Total*:</b>	0	0	0	355	2,177	776	0	0	3,308
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls - DC Battery System and Charge Modernization**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6572	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will replace the existing DC battery system at Cedar Falls.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	28	24	0	0	0	0	0	52
<b>Total:</b>	0	28	24	0	0	0	0	0	52
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	28	24	0	0	0	0	0	52
<b>Total*:</b>	0	28	24	0	0	0	0	0	52
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		27	24	0	0	0	0	0	51
<b>Total:</b>		27	24	0	0	0	0	0	51

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls - New Generator 5/6 Exciters**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6531	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project replaces the aging generator excitation systems for Generators 5 & 6 at Cedar Falls, to standardize systems with Basler products, in order to meet current WECC standards.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	214	0	0	0	0	0	214
<b>Total:</b>	0	0	214	0	0	0	0	0	214
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	214	0	0	0	0	0	214
<b>Total*:</b>	0	0	214	0	0	0	0	0	214
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		101	214	0	0	0	0	0	315
<b>Total:</b>		101	214	0	0	0	0	0	315

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls Powerhouse - Penstock Stabilization**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	6358	<b>End Date:</b>	Q4/2021
<b>Location:</b>	19901 Cedar Falls Rd SE, North Bend, WA 98045		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project installs a seismic upgrade of penstock bridges, repairs sagging or broken penstock support saddles, and refurbishes the exterior surfaces to extend the life of two 78-inch diameter steel penstocks. It also reduces risks of damage from earthquakes and restores the exterior coating on the pipes in the areas where the penstocks are buried. Any penstock failure will likely damage the environment and Seattle's water supply, and could jeopardize the City's ability to fulfill its obligation to regulate fish flows in the Cedar River.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,084	0	0	0	343	568	187	0	3,182
<b>Total:</b>	2,084	0	0	0	343	568	187	0	3,182
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,084	0	0	0	343	568	187	0	3,182
<b>Total*:</b>	2,084	0	0	0	343	568	187	0	3,182
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls Powerhouse - Unit 5/6 Generator Protective Relay**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	6450	<b>End Date:</b>	Q4/2018
<b>Location:</b>	19901 Cedar Falls Rd SE, North Bend, WA 98045		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project upgrades the present generator protection for Units 5 and 6, which lacks some basic protection elements to protect it from abnormal frequency and voltages. This project replaces existing protective relays, upgrades the generator protection packages, and replaces the electrical and mechanical lockout relays. The project permits City Light to comply with the North American Electric Reliability Council (NERC) and the Western Electricity Coordinating Council (WECC) regional requirements for maintaining the generator in-service during system disturbances.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,027	532	547	61	0	0	0	0	2,167
<b>Total:</b>	1,027	532	547	61	0	0	0	0	2,167
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,027	532	547	61	0	0	0	0	2,167
<b>Total*:</b>	1,027	532	547	61	0	0	0	0	2,167
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		23	547	61	0	0	0	0	631
<b>Total:</b>		23	547	61	0	0	0	0	631

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls Powerhouse - Valvehouse Rehabilitation**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	6324	<b>End Date:</b>	Q4/2021
<b>Location:</b>	19901 Cedar Falls Rd SE, North Bend, WA 98045		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides rehabilitation to the Cedar Falls Valvehouse. The extent of the rehabilitation is yet to be determined, but could include exterior structural improvements, replacement of windows, oil spill prevention, and interior remodeling.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	675	3,155	0	3,830
<b>Total:</b>	0	0	0	0	0	675	3,155	0	3,830
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	675	3,155	0	3,830
<b>Total*:</b>	0	0	0	0	0	675	3,155	0	3,830
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls Rehabilitation**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6625	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the rehabilitation of the Cedar Falls Hydroelectric Project, which includes completion of the Cedar Falls project analysis, equipment inspections, penstock analysis, building analysis which will uncover items City Lights as a dam owner must address. These items will ensure public safety, employee safety, and environmental stewardship.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	250	250	250	250	250	250	1,500
<b>Total:</b>	0	0	250	250	250	250	250	250	1,500
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	250	250	250	250	250	250	1,500
<b>Total*:</b>	0	0	250	250	250	250	250	250	1,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Falls/South Fork Tolt - Minor Improvements Program**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	6406	<b>End Date:</b>	Q4/2022
<b>Location:</b>	19901 Cedar Falls Rd SE, North Bend, WA 98045		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides financial coverage for emergent capital projects related to the Cedar Falls and South Fork Tolt Facilities. In addition, it funds scheduled, small capital projects that have cost estimates less than \$25,000. These projects are, by definition, unforeseeable, unscheduled, unpredictable, and occur on a first-come, first serve basis. This project shows increased project allocations in years 2015 to 2018. This increase reflects anticipated baseline CIP spending levels for the Cedar Falls and South Fork Tolt Facility that are in line with Strategic Plan assumptions. These future year allocations will be broken out into specific CIP projects for the next year's CIP.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	6,710	1,360	2,455	1,261	1,208	2,314	2,926	2,989	21,223
<b>Total:</b>	6,710	1,360	2,455	1,261	1,208	2,314	2,926	2,989	21,223
<b>Fund Appropriations/Allocations</b>									
City Light Fund	6,710	1,360	2,455	1,261	1,208	2,314	2,926	2,989	21,223
<b>Total*:</b>	6,710	1,360	2,455	1,261	1,208	2,314	2,926	2,989	21,223
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,370	2,455	1,261	1,208	2,314	2,926	2,989	14,523
<b>Total:</b>		1,370	2,455	1,261	1,208	2,314	2,926	2,989	14,523

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Center City Connector Streetcar – City Light**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8470	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project provides power relocations & service for the proposed SDOT Center City Connector Streetcar project. City Light has buried primary distribution power cables, some of which are encased in old clay tile ducts, which do not meet current standards, and are unlikely to be able to withstand the forces generated by the streetcar's operation. Any streetcar alignment to be built across such old facilities would likely need a reinforced roadbed for SCL facilities to withstand the additional weight.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	64	424	2,020	4,168	0	0	0	0	6,676
<b>Total:</b>	64	424	2,020	4,168	0	0	0	0	6,676
<b>Fund Appropriations/Allocations</b>									
City Light Fund	64	424	2,020	4,168	0	0	0	0	6,676
<b>Total*:</b>	64	424	2,020	4,168	0	0	0	0	6,676
<b>Spending Plan by Fund</b>									
City Light Fund		350	2,120	4,168	0	0	0	0	6,638
<b>Total:</b>		350	2,120	4,168	0	0	0	0	6,638

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Citywide Undergrounding Initiative - City Light**

<b>BCL/Program Name:</b>	D1 External Projects - Local Jurisdictions	<b>BCL/Program Code:</b>	SCL370-D1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	8403	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides funding for emergent undergrounding projects. It provides a baseline commitment to take advantage of undergrounding opportunities in the course of transportation and utility projects in the City.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	2,842	10	4	4	4	5	12	2,881
<b>Total:</b>	0	2,842	10	4	4	4	5	12	2,881
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	2,842	10	4	4	4	5	12	2,881
<b>Total*:</b>	0	2,842	10	4	4	4	5	12	2,881
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		8	10	11	11	11	12	12	75
<b>Total:</b>		8	10	11	11	11	12	12	75

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Communications Improvements**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9009	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing program provides funding for unforeseen emergent and critical work on City Light's communications systems to replace communications components due to failure, changing regulatory and security requirements, and requests from customers or other agencies. This project enhances flexibility to address emergent communication systems problems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	11,749	1,555	1,121	944	909	912	975	852	19,017
<b>Total:</b>	11,749	1,555	1,121	944	909	912	975	852	19,017
<b>Fund Appropriations/Allocations</b>									
City Light Fund	11,749	1,555	1,121	944	909	912	975	852	19,017
<b>Total*:</b>	11,749	1,555	1,121	944	909	912	975	852	19,017
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,059	1,121	944	909	912	975	852	7,772
<b>Total:</b>		2,059	1,121	944	909	912	975	852	7,772

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Creston-Nelson to Intergate East Feeder Installation**

<b>BCL/Program Name:</b>	D3 External Projects - Customer Other	<b>BCL/Program Code:</b>	SCL370-D3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	8430	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Tukwila		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

The project installs a new feeder to supply the Sabey Corporation's Intergate East Internet Center in Tukwila from the Creston-Nelson Substation. The project includes design, permit preparation, and evaluates customer load requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	6,160	369	301	11	0	0	0	0	6,841
<b>Total:</b>	6,160	369	301	11	0	0	0	0	6,841
<b>Fund Appropriations/Allocations</b>									
City Light Fund	6,160	369	301	11	0	0	0	0	6,841
<b>Total*:</b>	6,160	369	301	11	0	0	0	0	6,841
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		283	301	11	0	0	0	0	595
<b>Total:</b>		283	301	11	0	0	0	0	595

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Dallas Ave. 26 kV Crossing**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	8322	<b>End Date:</b>	Q4/2021
<b>Location:</b>	Dallas Ave S/14th Ave S		
<b>Neighborhood Plan:</b>	Duwamish	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	South Park

This project reinstalls two 26kV feeders across the Duwamish River. This crossing backs up the Cambridge Corridor Crossing, providing redundant power supply to the area along East Marginal Way South. The area has many large industrial accounts, including Jorgenson Steel, Kenworth Trucking, and a number of Boeing plants.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	838	459	80	184	55	44	46	0	1,706
<b>Total:</b>	838	459	80	184	55	44	46	0	1,706
<b>Fund Appropriations/Allocations</b>									
City Light Fund	838	459	80	184	55	44	46	0	1,706
<b>Total*:</b>	838	459	80	184	55	44	46	0	1,706
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		440	80	184	55	44	46	0	849
<b>Total:</b>		440	80	184	55	44	46	0	849

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Dam Safety Part 12 Improvements**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6626	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the support analysis and data required to meet FERC regulations. City Light must demonstrate that the dams are monitored and engineering improvements are based on current climate conditions, most current engineering standards, and the appropriate devices, instrumentation, and tools. Activities may include Skagit bulkhead, Boundary new instrumentation, Diablo & Gorge GPS System, Boundary instrumentation, Boundary Part 12 Implementation and Skagit Part 12 Implementation.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	451	250	250	200	200	200	1,551
<b>Total:</b>	0	0	451	250	250	200	200	200	1,551
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	451	250	250	200	200	200	1,551
<b>Total*:</b>	0	0	451	250	250	200	200	200	1,551

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Data Warehouse Implementation**

<b>BCL/Program Name:</b>	E2 Central Utility Projects - Finance and IT Systems	<b>BCL/Program Code:</b>	SCL550-E2
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9975	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the development of data marts to be added to a Data Warehouse. The data marts include a new data mart for City Light for the PeopleSoft Reimplementation, Automated Metering Infrastructure, Mobile Workforce Management, Customer Energy Solutions, and upgrades to systems such as City Light's Work and Asset Management System and the Outage Management System to be implemented during this timeframe and which do not yet have existing data marts. The data marts enable City Light to build reports from any front end business intelligence tool such as Cognos, Oracle OBIEE and OUA, Tableau, or Power BI.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	200	150	150	150	150	150	950
<b>Total:</b>	0	0	200	150	150	150	150	150	950
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	200	150	150	150	150	150	950
<b>Total*:</b>	0	0	200	150	150	150	150	150	950

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Denny Substation - Network**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	8404	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Valley Street/Denny Ave		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This ongoing project provides network system design and construction, engineering design at the substation network interface, and underground conversion of the streetlight, traffic signals, and telecom and fiber optic systems. This project relates Project 7757, Denny Substation Development and Project 8405, Denny Network Services and Additions whose objective is customer hookups via the network to the new substation.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5,709	41,959	7,582	5,741	3,657	11,047	12,618	11,383	99,696
<b>Total:</b>	5,709	41,959	7,582	5,741	3,657	11,047	12,618	11,383	99,696
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5,709	41,959	7,582	5,741	3,657	11,047	12,618	11,383	99,696
<b>Total*:</b>	5,709	41,959	7,582	5,741	3,657	11,047	12,618	11,383	99,696
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		20,835	27,842	6,441	3,657	11,047	12,618	11,383	93,823
<b>Total:</b>		20,835	27,842	6,441	3,657	11,047	12,618	11,383	93,823

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Denny Substation Development**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	7757	<b>End Date:</b>	Q4/2018
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project designs and builds a 200 MVA substation on Denny Ave. The project funds site acquisition, environmental management and remediation of land, design of the substation, and construction of the substation. It provides capacity to meet load growth, provides the operational flexibility to operate the electrical system to serve new development and existing load, and supports development of an underground network.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	90,956	50,442	57,405	10,833	0	0	0	0	209,636
<b>Total:</b>	90,956	50,442	57,405	10,833	0	0	0	0	209,636
<b>Fund Appropriations/Allocations</b>									
City Light Fund	90,956	50,442	57,405	10,833	0	0	0	0	209,636
<b>Total*:</b>	90,956	50,442	57,405	10,833	0	0	0	0	209,636
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		41,232	65,405	10,833	0	0	0	0	117,470
<b>Total:</b>		41,232	65,405	10,833	0	0	0	0	117,470

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Denny Substation Tenant Improvements**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	9235	<b>End Date:</b>	Q4/2019
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This ongoing project provides program, design, and construction of interior improvements within two building shell spaces within the Denny Substation. The two spaces are a southwest shell space which may house a community center or similar public amenity and a southeast shell space which may house a learning resource center or similar public amenity.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	3,301	1,995	1,412	21	0	0	0	6,729
<b>Total:</b>	0	3,301	1,995	1,412	21	0	0	0	6,729
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	3,301	1,995	1,412	21	0	0	0	6,729
<b>Total*:</b>	0	3,301	1,995	1,412	21	0	0	0	6,729
<b>Spending Plan by Fund</b>									
City Light Fund		25	4,220	1,412	21	0	0	0	5,678
<b>Total:</b>		25	4,220	1,412	21	0	0	0	5,678

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Denny Substation Transmission Lines**

<b>BCL/Program Name:</b>	B1 Transmission - Transmission	<b>BCL/Program Code:</b>	SCL360-B1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	7125	<b>End Date:</b>	Q4/2021
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project designs and constructs transmission lines to support the new Denny Substation. These transmission lines are created by dividing the existing Pine to Broad Street transmission line into two transmission lines. The remaining new lines will come from the Canal and Massachusetts substations. This project also provides for undergrounding the transmission lines.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	758	1,726	8,096	5,318	2,887	6,801	42,373	0	67,959
<b>Total:</b>	758	1,726	8,096	5,318	2,887	6,801	42,373	0	67,959
<b>Fund Appropriations/Allocations</b>									
City Light Fund	758	1,726	8,096	5,318	2,887	6,801	42,373	0	67,959
<b>Total*:</b>	758	1,726	8,096	5,318	2,887	6,801	42,373	0	67,959
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,009	8,096	5,318	2,887	6,801	42,373	0	68,484
<b>Total:</b>		3,009	8,096	5,318	2,887	6,801	42,373	0	68,484

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo - Load Interrupters Replacement**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6532	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Milepost 126 Stte Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project replaces load interrupters at Diablo Banks Generators No. 31 and 32. The existing 230kV load interrupters have reached the end of their useful life and need to be replaced. This project will replace the load interrupters with SF6 Gas Insulated Switchgear.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	61	3,126	1,002	718	0	0	0	0	4,907
<b>Total:</b>	61	3,126	1,002	718	0	0	0	0	4,907
<b>Fund Appropriations/Allocations</b>									
City Light Fund	61	3,126	1,002	718	0	0	0	0	4,907
<b>Total*:</b>	61	3,126	1,002	718	0	0	0	0	4,907
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,581	2,577	718	0	0	0	0	4,876
<b>Total:</b>		1,581	2,577	718	0	0	0	0	4,876

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo - Replace Bank Transformers**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	6589	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Milepost 126 Stte Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project replaces the Diablo power step up transformers in 2021 when they reach the end of their useful life.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	112	927	7,658	8,697
<b>Total:</b>	0	0	0	0	0	112	927	7,658	8,697
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	112	927	7,658	8,697
<b>Total*:</b>	0	0	0	0	0	112	927	7,658	8,697
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo Dam - Spill Gate Trunnion Upgrades**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6610	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Milepost 126 Stte Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides replacement of the trunnion bushings in all 20 of Diablo Dam's spill gates with new synthetic bushings that are permanently sealed and lubricated, and perform associated supporting work.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	120	500	522	548	576	604	335	3,205
<b>Total:</b>	0	120	500	522	548	576	604	335	3,205
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	120	500	522	548	576	604	335	3,205
<b>Total*:</b>	0	120	500	522	548	576	604	335	3,205
<b>Spending Plan by Fund</b>									
City Light Fund		483	500	522	548	576	604	335	3,568
<b>Total:</b>		483	500	522	548	576	604	335	3,568

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo Facility - Incline Lift Rehabilitation**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	6457	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Milepost 126 Stte Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides restoration of the backup access route to the Ross Powerhouse and Ross Dam. The Diablo Incline Lift, which had provided backup access, has become unusable due to deterioration of its components. The backup access is essential as there is only one road to get to the Ross Project. If the road becomes impassable, all means of access are cut off, which prevents emergency transportation or delivery of spare parts.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	32	57	600	689
<b>Total:</b>	0	0	0	0	0	32	57	600	689
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	32	57	600	689
<b>Total*:</b>	0	0	0	0	0	32	57	600	689
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo Facility - Lines Protection Upgrades**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	6483	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Milepost 126 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides updated line protection schemes on the Diablo Facility D1, D2, & D3 Lines, utilizing electro-mechanical relays. The project also replaces existing relays, which are approaching the reasonable service life and lack essential fault location capability. The project replacements include microprocessor based digital relays, fault location and event reporting, lockout and test switching capabilities, and communication assisted transfer trip utilizing the mirrored bits function of the digital relays.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	4,967	405	2	81	1,777	96	0	0	7,328
<b>Total:</b>	4,967	405	2	81	1,777	96	0	0	7,328
<b>Fund Appropriations/Allocations</b>									
City Light Fund	4,967	405	2	81	1,777	96	0	0	7,328
<b>Total*:</b>	4,967	405	2	81	1,777	96	0	0	7,328
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		28	2	81	1,777	96	0	0	1,984
<b>Total:</b>		28	2	81	1,777	96	0	0	1,984

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo Powerhouse - Rebuild Generator Unit 31**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	6422	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Milepost 126 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project rebuilds Generator 31 at Diablo Powerhouse, which provides 4.4 percent of the total power Seattle City Light generates. This project is part of the Utility's Generator Rebuild Program, a series of projects to maintain and extend the useful life of the Utility's aging generators. The program rebuilds ten generators, accounting for 70 percent of City Light's generating capability.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	752	14,493	5,807	473	0	0	0	0	21,525
<b>Total:</b>	752	14,493	5,807	473	0	0	0	0	21,525
<b>Fund Appropriations/Allocations</b>									
City Light Fund	752	14,493	5,807	473	0	0	0	0	21,525
<b>Total*:</b>	752	14,493	5,807	473	0	0	0	0	21,525
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		9,691	14,126	1,580	0	0	0	0	25,397
<b>Total:</b>		9,691	14,126	1,580	0	0	0	0	25,397

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Diablo Powerhouse - Rebuild Generator Unit 32**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6423	<b>End Date:</b>	Q4/2019
<b>Location:</b>	Milepost 126 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project rebuilds Generator 32 at Diablo Powerhouse, which provides 4.4 percent of the total power Seattle City Light generates. This project is part of the Utility's Generator Rebuild Program, a series of projects to maintain and extend the useful life of the Utility's aging generators. The program rebuilds ten generators, accounting for 70 percent of City Light's generating capability.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,339	12,378	5,988	5,035	341	0	0	0	25,081
<b>Total:</b>	1,339	12,378	5,988	5,035	341	0	0	0	25,081
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,339	12,378	5,988	5,035	341	0	0	0	25,081
<b>Total*:</b>	1,339	12,378	5,988	5,035	341	0	0	0	25,081
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,208	7,145	10,649	391	0	0	0	21,393
<b>Total:</b>		3,208	7,145	10,649	391	0	0	0	21,393

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Distribution Area Communications Networks**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2000
<b>Project ID:</b>	9307	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project installs fiber cable and equipment to all City Light dams, substations and service centers to create a secure, reliable, fast and redundant digital communications system for operations command and control. The fiber infrastructure provides a secure path for power distribution system control and dispatch, Energy Management System data, and other City Light communications. This project also supports Substation Automation, Distribution Automation, Distributed Generation, and automated meter reading projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	21,251	1,641	1,115	2,718	2,605	2,957	2,848	2,056	37,191
<b>Total:</b>	21,251	1,641	1,115	2,718	2,605	2,957	2,848	2,056	37,191
<b>Fund Appropriations/Allocations</b>									
City Light Fund	21,251	1,641	1,115	2,718	2,605	2,957	2,848	2,056	37,191
<b>Total*:</b>	21,251	1,641	1,115	2,718	2,605	2,957	2,848	2,056	37,191
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,706	1,115	2,718	2,605	2,957	2,848	2,056	16,005
<b>Total:</b>		1,706	1,115	2,718	2,605	2,957	2,848	2,056	16,005

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Distribution Automation**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8425	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project automates radial distribution feeders, which includes installation of equipment to provide remote control of operations of switches on power lines and gather real time data on conditions in distribution power lines. The installation of strategically placed switches will provide the ability to automatically perform outage restoration, shift blocks of load to maximize efficiencies of feeders, and reconfigure the feeder grid. Typical operation will involve remotely detecting that a feeder fault has occurred, locating the damaged portion of the feeder between two remote controlled line switches, isolating the damaged portion of the feeder by opening appropriate remote controlled line switches, and re-energizing undamaged portions of the feeder via the primary feeder source and one or more backup sources using automatically controlled tie switches.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,209	3,430	3,885	2,281	2,850	2,948	2,982	1,503	22,088
<b>Total:</b>	2,209	3,430	3,885	2,281	2,850	2,948	2,982	1,503	22,088
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,209	3,430	3,885	2,281	2,850	2,948	2,982	1,503	22,088
<b>Total*:</b>	2,209	3,430	3,885	2,281	2,850	2,948	2,982	1,503	22,088
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,381	3,885	2,281	2,850	2,948	2,982	1,503	18,830
<b>Total:</b>		2,381	3,885	2,281	2,850	2,948	2,982	1,503	18,830

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Distribution Management System**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	9966	<b>End Date:</b>	Q4/2021
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project provides installation of the Distribution Management System (DMS) beginning in 2019. This comprehensive software application enables Power Dispatchers to operate automated distribution devices more effectively by interfacing with the Utility's Energy Management System (EMS), Outage Management System (OMS), Customer Information System, and the Geospatial Information System. The DMS will improve planning, coordination, and operations by enabling dispatchers to improve their switching operations for planned shutdowns. It will also make it easier to prepare planned outages and reduce the area needed for an outage.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	6,307	1,628	121	0	8,056
<b>Total:</b>	0	0	0	0	6,307	1,628	121	0	8,056
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	6,307	1,628	121	0	8,056
<b>Total*:</b>	0	0	0	0	6,307	1,628	121	0	8,056
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	0	0	5,007	2,828	221	0	8,056
<b>Total:</b>		0	0	0	5,007	2,828	221	0	8,056

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Electric Vehicle Infrastructure**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9237	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

City Light is playing an essential role in the success of transportation electrification in Seattle and will implement two charging infrastructure pilot programs in 2017: one focused on public DC fast chargers and one focused on residential charging. The utility will roll out 10 to 20 public DC fast charging stations for Electric Vehicles within its service territory, at either City-owned property or private sites. City Light will own and install the public charging infrastructure. Through the residential pilot, City Light will install stations in customers' homes that will create a service that lowers the initial cost and uncertainty of installing at-home charging. This program model will offer customers a manageable monthly cost, while allowing the utility to better understand load management options like demand response. These programs will allow customers access to carbon-neutral electricity that customers are demanding, better utilize current utility assets and contribute to the aggressive goals of the Drive Clean Seattle Initiative.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	1,753	1,052	0	0	0	0	2,805
<b>Total:</b>	0	0	1,753	1,052	0	0	0	0	2,805
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	1,753	1,052	0	0	0	0	2,805
<b>Total*:</b>	0	0	1,753	1,052	0	0	0	0	2,805

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Endangered Species Act Mitigation**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2000
<b>Project ID:</b>	6990	<b>End Date:</b>	Q4/2023
<b>Location:</b>	Outside the City of Seattle		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project protects and restores fisheries habitat in the Skagit and Tolt river basins. It implements the Endangered Species Act (ESA) Program for recovery of listed fish species that are potentially affected by City Light projects. The project includes land purchase, restoration, assessment, and management. The project reduces the likelihood of third party lawsuits under ESA and the reopening of claims by Federal agencies, e.g. the U.S. Fish and Wildlife Service, seeking additional measures to protect and restore the listed species.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	14,671	1,924	1,100	1,124	1,146	1,169	1,192	1,216	23,542
<b>Total:</b>	14,671	1,924	1,100	1,124	1,146	1,169	1,192	1,216	23,542
<b>Fund Appropriations/Allocations</b>									
City Light Fund	14,671	1,924	1,100	1,124	1,146	1,169	1,192	1,216	23,542
<b>Total*:</b>	14,671	1,924	1,100	1,124	1,146	1,169	1,192	1,216	23,542
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,149	1,100	1,124	1,146	1,169	1,192	1,216	8,096
<b>Total:</b>		1,149	1,100	1,124	1,146	1,169	1,192	1,216	8,096

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Energy Conservation**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	9320	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project installs improvements at SCL facilities to reduce energy consumption. Work is performed at facilities including generation sites, service centers, and substations. With documented savings, some project costs may be recovered from the Bonneville Power Administration.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,551	955	323	332	117	117	119	122	4,636
<b>Total:</b>	2,551	955	323	332	117	117	119	122	4,636
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,551	955	323	332	117	117	119	122	4,636
<b>Total*:</b>	2,551	955	323	332	117	117	119	122	4,636
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		254	323	332	117	117	119	122	1,384
<b>Total:</b>		254	323	332	117	117	119	122	1,384

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Energy Management System**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9956	<b>End Date:</b>	Q4/2017
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

The project replaces the existing Energy Management System (EMS), which includes (but is not limited to) replacing portions of the EMS map board and all of the front end processors, implementing a hot EMS off site backup (Backup Control System) with live cutover testing and hot cutover without loss of historic data, and supporting design criteria of a no single point of failure and quality assurance testing on a dedicated quality assurance system.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	8,251	14,121	398	0	0	0	0	0	22,770
<b>Total:</b>	8,251	14,121	398	0	0	0	0	0	22,770
<b>Fund Appropriations/Allocations</b>									
City Light Fund	8,251	14,121	398	0	0	0	0	0	22,770
<b>Total*:</b>	8,251	14,121	398	0	0	0	0	0	22,770
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		11,990	398	0	0	0	0	0	12,388
<b>Total:</b>		11,990	398	0	0	0	0	0	12,388

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Enterprise Document Management System**

<b>BCL/Program Name:</b>	E2 Central Utility Projects - Finance and IT Systems	<b>BCL/Program Code:</b>	SCL550-E2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9962	<b>End Date:</b>	Q4/2026
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project plans, builds, deploys, and provides ongoing management of an enterprise document management system that effectively and efficiently captures, secures, shares, and distributes digital and paper based documents and reports. The project streamlines collaboration, automates routine tasks, and lowers costs related to creation, management, and storage of business documents. The project provides the governance and audit capabilities needed to minimize the risks and costs associated with regulatory and legal compliance.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,939	3,340	582	2,914	1,814	1,424	1,168	772	14,953
<b>Total:</b>	2,939	3,340	582	2,914	1,814	1,424	1,168	772	14,953
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,939	3,340	582	2,914	1,814	1,424	1,168	772	14,953
<b>Total*:</b>	2,939	3,340	582	2,914	1,814	1,424	1,168	772	14,953
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,746	2,272	2,914	1,814	1,424	1,168	772	12,110
<b>Total:</b>		1,746	2,272	2,914	1,814	1,424	1,168	772	12,110

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Enterprise Geographic Information System**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9957	<b>End Date:</b>	Q4/2019
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project investigates, evaluates, and makes a recommendation to develop a unified GIS system that meets all of the needs of the Utility, replacing the two separate and incompatible Geographic Information Systems (GIS) that City Light currently maintains, and allowing integration with future software systems (such as Mobile Workforce).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5	5,039	2,308	2,912	1,738	0	0	0	12,002
<b>Total:</b>	5	5,039	2,308	2,912	1,738	0	0	0	12,002
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5	5,039	2,308	2,912	1,738	0	0	0	12,002
<b>Total*:</b>	5	5,039	2,308	2,912	1,738	0	0	0	12,002
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	3,342	4,912	2,905	0	0	0	11,159
<b>Total:</b>		0	3,342	4,912	2,905	0	0	0	11,159

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Enterprise Performance Management**

<b>BCL/Program Name:</b>	E2 Central Utility Projects - Finance and IT Systems	<b>BCL/Program Code:</b>	SCL550-E2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	9933	<b>End Date:</b>	Q4/2017
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project implements a business intelligence system for City Light. The project provides software tools and consultant support to identify and track performance metrics for each of the Departments programs, aligning organizational strategy to goal setting, planning and performance monitoring, and providing a single comprehensive system for measuring the Utility's financial and corporate health.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	4,671	1,442	420	0	0	0	0	0	6,533
<b>Total:</b>	4,671	1,442	420	0	0	0	0	0	6,533
<b>Fund Appropriations/Allocations</b>									
City Light Fund	4,671	1,442	420	0	0	0	0	0	6,533
<b>Total*:</b>	4,671	1,442	420	0	0	0	0	0	6,533
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		247	1,620	0	0	0	0	0	1,867
<b>Total:</b>		247	1,620	0	0	0	0	0	1,867

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Enterprise Software Solution Replacement Strategy**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2018
<b>Project ID:</b>	9969	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project upgrades or replaces components of the Enterprise Solution Portfolio for the Utility as prescribed by the preferred vendor, Oracle, or other vendor deemed more appropriate, which will maintain enterprise resources that benefit all customers in the City Light service area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	1,564	10,016	7,011	10,528	11,018	40,137
<b>Total:</b>	0	0	0	1,564	10,016	7,011	10,528	11,018	40,137
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	1,564	10,016	7,011	10,528	11,018	40,137
<b>Total*:</b>	0	0	0	1,564	10,016	7,011	10,528	11,018	40,137

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Environmental Safeguarding and Remediation of Facilities**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9152	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Outside the City of Seattle		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds improvements to prevent air and water pollution at City Light facilities. The project implements cost appropriate solutions for identified environmental programs and provides facilities for meeting environmental and remediation concerns. Typical projects include ventilation for painting operations, storage equipment for toxic material, containment provisions to provide protection in the event of a spill or leak, and handling equipment to enable safe movement of hazardous items.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,237	49	92	98	58	59	60	61	1,714
<b>Total:</b>	1,237	49	92	98	58	59	60	61	1,714
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,237	49	92	98	58	59	60	61	1,714
<b>Total*:</b>	1,237	49	92	98	58	59	60	61	1,714
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		47	92	98	58	59	60	61	475
<b>Total:</b>		47	92	98	58	59	60	61	475

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Equipment Fleet Replacement**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9101	<b>End Date:</b>	Q4/2022
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces, updates, and expands City Light's - light and heavy duty mobile equipment fleet. This project also funds the replacement of light-duty vehicles owned by City Light, including those previously leased from the Fleets & Facilities Department and now owned by City Light.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	86,338	12,513	7,500	7,652	7,190	7,195	7,198	10,050	145,636
<b>Total:</b>	86,338	12,513	7,500	7,652	7,190	7,195	7,198	10,050	145,636
<b>Fund Appropriations/Allocations</b>									
City Light Fund	86,338	12,513	7,500	7,652	7,190	7,195	7,198	10,050	145,636
<b>Total*:</b>	86,338	12,513	7,500	7,652	7,190	7,195	7,198	10,050	145,636
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		7,203	7,500	7,652	7,190	7,195	7,198	10,050	53,988
<b>Total:</b>		7,203	7,500	7,652	7,190	7,195	7,198	10,050	53,988

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Facilities Infrastructure Improvements**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9156	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project upgrades and replaces the structural, electrical or mechanical systems, or other base building systems critical to building operations, and site development items. Work under this project may include plumbing replacements, HVAC related systems, power distribution systems, tanks, elevators, fire suppression systems, drainage systems, exterior and interior lighting, landscaping, irrigation, paving, stairs, and sidewalks. This project is intended for emergent work not yet identified and is not intended as a duplicate for other infrastructure improvements included in specific projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,472	523	449	456	65	64	65	67	5,161
<b>Total:</b>	3,472	523	449	456	65	64	65	67	5,161
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,472	523	449	456	65	64	65	67	5,161
<b>Total*:</b>	3,472	523	449	456	65	64	65	67	5,161
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		713	449	456	65	64	65	67	1,879
<b>Total:</b>		713	449	456	65	64	65	67	1,879

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Facilities Regulatory Compliance**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9151	<b>End Date:</b>	Q4/2022
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project is for the investigation of contamination and remediation, if necessary, of property that the utility is targeting for disposal

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,358	479	334	342	350	359	367	376	3,965
<b>Total:</b>	1,358	479	334	342	350	359	367	376	3,965
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,358	479	334	342	350	359	367	376	3,965
<b>Total*:</b>	1,358	479	334	342	350	359	367	376	3,965
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		358	334	342	350	359	367	376	2,486
<b>Total:</b>		358	334	342	350	359	367	376	2,486

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Fauntleroy Undergroundings**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	8480	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project provides major reconstruction of Fauntleroy WAY SW from approximately SW Alaska St to 35th Ave SW. Seattle Department of Transportation (SDOT) and Seattle City Light (SCL) are jointly performing this work. According to the draft MOA, SCL is to fund 60% of the cost to underground the electrical distribution system in the project area. The project improves public access for pedestrians and vehicles as determined by City Council and will be completed in conjunction with SDOT.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	1,502	2,003	0	0	3,505
<b>Total:</b>	0	0	0	0	1,502	2,003	0	0	3,505
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	1,502	2,003	0	0	3,505
<b>Total*:</b>	0	0	0	0	1,502	2,003	0	0	3,505

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**First Hill - Network**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	8301	<b>End Date:</b>	Q4/2026
<b>Location:</b>	1100 Madison St		
<b>Neighborhood Plan:</b>	First Hill	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	First Hill

This project funds a programmatic approach for comprehensive management of underground network assets serving customers in the First Hill area. This project funds annual work required, such as balancing feeder cables to their maximum service build out limit, performing engineering analysis to determine system feeder assignments, required for new service connections, and replacement of cables that fail while in service.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	14,990	2,463	2,654	2,702	2,751	2,774	2,048	5,130	35,512
<b>Total:</b>	14,990	2,463	2,654	2,702	2,751	2,774	2,048	5,130	35,512
<b>Fund Appropriations/Allocations</b>									
City Light Fund	14,990	2,463	2,654	2,702	2,751	2,774	2,048	5,130	35,512
<b>Total*:</b>	14,990	2,463	2,654	2,702	2,751	2,774	2,048	5,130	35,512
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,340	2,654	2,702	2,751	2,774	2,048	5,130	20,399
<b>Total:</b>		2,340	2,654	2,702	2,751	2,774	2,048	5,130	20,399

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**First Hill - Network Load Transfer**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	8407	<b>End Date:</b>	Q4/2023
<b>Location:</b>	1100 Madison St.		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	First Hill

This project provides the transfer of the First Hill Network to the Denny Substation. Work includes installation of transmission lines, reconfiguration of the network, transfer of the power source, and support to customers during the process.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	915	919	7,927	8,107	17,868
<b>Total:</b>	0	0	0	0	915	919	7,927	8,107	17,868
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	915	919	7,927	8,107	17,868
<b>Total*:</b>	0	0	0	0	915	919	7,927	8,107	17,868
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**First Hill Connector Streetcar**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	8442	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Broadway / Boren / Jackson / King		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project facilitates construction of the First Hill Connector Streetcar project, linking Sound Transit's International District station and the Capitol Hill station. The project provides for system improvements and repairs to existing duct banks identified along this route. Typical system improvements could include replacement of old poles and the installation of new ducts under the track way for future system capacity.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,750	948	306	11	0	0	0	0	4,015
<b>Total:</b>	2,750	948	306	11	0	0	0	0	4,015
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,750	948	306	11	0	0	0	0	4,015
<b>Total*:</b>	2,750	948	306	11	0	0	0	0	4,015
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		161	1,025	11	0	0	0	0	1,197
<b>Total:</b>		161	1,025	11	0	0	0	0	1,197

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Generation Federal Reliability Standards Improvements**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	6470	<b>End Date:</b>	Q4/2020
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides compliance with emergent power production (Generation) regional reliability standards mandated by the North American Electric Reliability Corporation (NERC) and its regional compliance partner, the Western Electricity Coordinating Council (WECC). Typical improvements may include, but are not limited to, power system stabilizers, generator and control system testing equipment, cyber security equipment, and system disturbance monitoring equipment. The project mitigates the probability of financial penalties of up to \$1 million per day per violation for failure to comply. Publication of new and revised standards requires an on-going project level effort to put improvements into service which keep generation equipment and operations in full compliance.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	9,520	10	10	11	11	11	0	0	9,573
<b>Total:</b>	9,520	10	10	11	11	11	0	0	9,573
<b>Fund Appropriations/Allocations</b>									
City Light Fund	9,520	10	10	11	11	11	0	0	9,573
<b>Total*:</b>	9,520	10	10	11	11	11	0	0	9,573
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		8	10	11	11	11	0	0	51
<b>Total:</b>		8	10	11	11	11	0	0	51

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Georgetown Steamplant Access Road**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9233	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This ongoing project provides design and construction of roads and related infrastructure to provide public access to City Light's Georgetown Steamplant. This access will provide visibility of the Steam Plant to the public as a National Historic Site. King County has agreed to pay for most of this project.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2	361	691	703	0	0	0	0	1,757
<b>Total:</b>	2	361	691	703	0	0	0	0	1,757
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2	361	691	703	0	0	0	0	1,757
<b>Total*:</b>	2	361	691	703	0	0	0	0	1,757
<b>Spending Plan by Fund</b>									
City Light Fund		9	691	703	0	0	0	0	1,403
<b>Total:</b>		9	691	703	0	0	0	0	1,403

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Gorge - 240V AC Station Service Switchgear Replacement**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6581	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Milepost 121 Stte Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project mitigates safety hazards at the Gorge Switchyard by replacing the 240V circuit breakers with new breakers that allow for remote operation. Recent policy and regulation changes related to electrical Arc Flash hazards have highlighted safety issues related to this equipment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	629	530	0	0	0	0	0	1,159
<b>Total:</b>	0	629	530	0	0	0	0	0	1,159
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	629	530	0	0	0	0	0	1,159
<b>Total*:</b>	0	629	530	0	0	0	0	0	1,159
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		632	2,030	0	0	0	0	0	2,662
<b>Total:</b>		632	2,030	0	0	0	0	0	2,662

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Gorge Powerhouse - Fire Protection Improvements**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6326	<b>End Date:</b>	Q4/2024
<b>Location:</b>	Milepost 121 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project designs and installs a water spray generator fire suppression system for the Gorge Powerhouse Generator 24. The scope of the project includes piping, valving, nozzles for a water delivery system, and a new control system for detection, alarming, and system initiation.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	87	71	54	221	325	120	122	1,000
<b>Total:</b>	0	87	71	54	221	325	120	122	1,000
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	87	71	54	221	325	120	122	1,000
<b>Total*:</b>	0	87	71	54	221	325	120	122	1,000
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	71	54	221	325	120	122	913
<b>Total:</b>		0	71	54	221	325	120	122	913

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Hydro Project Spill Containment**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6530	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will implement upgrades to generating plants that will either prevent oil spills through process improvements and equipment replacement, or provide additional containment capacity for accidental spills. These upgrades will include replacing oil filled transformers with dry-type transformers, building larger containment basins around oil filled equipment, reconfiguring powerhouse sumps, installing oil/water separators, and replacing greased valve bushings with greaseless bushings.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,658	781	838	267	831	786	0	0	5,161
<b>Total:</b>	1,658	781	838	267	831	786	0	0	5,161
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,658	781	838	267	831	786	0	0	5,161
<b>Total*:</b>	1,658	781	838	267	831	786	0	0	5,161
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		453	838	267	831	786	0	0	3,175
<b>Total:</b>		453	838	267	831	786	0	0	3,175

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Information Technology Infrastructure**

<b>BCL/Program Name:</b>	E2 Central Utility Projects - Finance and IT Systems	<b>BCL/Program Code:</b>	SCL550-E2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9915	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds replacement and improvement of the Utility's information technology infrastructure. This infrastructure provides applications, data storage, and print services to the utility, and supports activities and applications including Microsoft Outlook, remote connectivity, electronic communications and recording of power marketing transactions (E-tagging), the City InWeb and network, common and City Light applications, UNIX services, and infrastructure change management. Components purchased by this project include servers, network and communications equipment, disk storage, and application and operating system software. Infrastructure is upgraded or replaced based upon a combination of factors, such as maintenance schedules, equipment warranties, availability of vendor support, Gartner recommendations, application growth, and security demands.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	46,785	5,646	500	503	501	500	500	500	55,435
<b>Total:</b>	46,785	5,646	500	503	501	500	500	500	55,435
<b>Fund Appropriations/Allocations</b>									
City Light Fund	46,785	5,646	500	503	501	500	500	500	55,435
<b>Total*:</b>	46,785	5,646	500	503	501	500	500	500	55,435
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,664	500	503	501	500	500	500	7,668
<b>Total:</b>		4,664	500	503	501	500	500	500	7,668

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Interbay Substation - Development**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	7756	<b>End Date:</b>	Q4/2023
<b>Location:</b>	17th Ave West/West Bertona St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Magnolia/Queen Anne	<b>Urban Village:</b>	Ballard Interbay

This project plans, designs, and constructs a 26 kV substation in the Interbay area. This project installs 2-100 MVA transformers into a facility large enough to accommodate a third transformer at the site if required in the future. The project adds to the distribution network and provides a new path for power to the area. It provides assurance to the developers who are interested in projects in the SLU district that City Light will be able to serve their needs reliably.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,489	0	0	0	83	87	416	500	3,575
<b>Total:</b>	2,489	0	0	0	83	87	416	500	3,575
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,489	0	0	0	83	87	416	500	3,575
<b>Total*:</b>	2,489	0	0	0	83	87	416	500	3,575
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**IT Security Upgrades**

<b>BCL/Program Name:</b>	E2 Central Utility Projects - Finance and IT Systems	<b>BCL/Program Code:</b>	SCL550-E2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9960	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

The ongoing project updates or replaces information security systems that are at high risk of failure. The project enhances vulnerability and intrusion detection as well as response capabilities and procedures. The project provides (by way of illustration but not limitation) for implementation of systems to replace or upgrade firewalls, routers, switches, operating systems, intrusion detection capabilities, security information and event management, Linux patching procedures, Dynamic Host Configuration Protocol server, Domain Name System server, internal vulnerability scanning, and physical security cameras and networks for SCL locations.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,176	609	560	1,112	1,143	1,162	529	590	8,881
<b>Total:</b>	3,176	609	560	1,112	1,143	1,162	529	590	8,881
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,176	609	560	1,112	1,143	1,162	529	590	8,881
<b>Total*:</b>	3,176	609	560	1,112	1,143	1,162	529	590	8,881
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		395	560	1,112	1,143	1,162	529	590	5,491
<b>Total:</b>		395	560	1,112	1,143	1,162	529	590	5,491

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Landis and Gyr RTU Modernization Boundary, CF, Skagit**

<b>BCL/Program Name:</b>	A1 Power Supply - Boundary	<b>BCL/Program Code:</b>	SCL250-A1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	6565	<b>End Date:</b>	Q4/2021
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project will be combined with projects 6571 and 6579 to form a larger project to install new remote temperature monitoring equipment at the Boundary, Skagit and Cedar Falls power facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	478	731	585	0	1,794
<b>Total:</b>	0	0	0	0	478	731	585	0	1,794
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	478	731	585	0	1,794
<b>Total*:</b>	0	0	0	0	478	731	585	0	1,794
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Large Overhead and Underground Services**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8365	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides large size electric power service connections from Seattle City Light's distribution system to the customer's meter for power requirements of greater than 3 MVA and 26 kV radial services. Most of this related work is billable to the customer. The project allows Seattle City Light to provide service to new customers in a safe, reliable, timely and cost effective manner as a means to fulfill its commitment to be a customer and community-focused organization.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	19,429	2,947	2,944	3,071	4,225	3,290	5,127	6,522	47,555
<b>Total:</b>	19,429	2,947	2,944	3,071	4,225	3,290	5,127	6,522	47,555
<b>Fund Appropriations/Allocations</b>									
City Light Fund	19,429	2,947	2,944	3,071	4,225	3,290	5,127	6,522	47,555
<b>Total*:</b>	19,429	2,947	2,944	3,071	4,225	3,290	5,127	6,522	47,555
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,196	2,944	3,071	4,225	3,290	5,127	6,522	28,375
<b>Total:</b>		3,196	2,944	3,071	4,225	3,290	5,127	6,522	28,375

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Laurelhurst - Underground Rebuild**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8373	<b>End Date:</b>	Q4/2017
<b>Location:</b>	45th Street/38th Street		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Northeast	<b>Urban Village:</b>	Not in an Urban Village

This project completes the final three phases of a nine phase rebuilding of the underground distribution system in Laurelhurst. It replaces increasingly failure-prone aging 4 kV equipment and direct buried cables with a buried conduit system. The project improves service reliability, customer satisfaction, economic operating efficiencies, and safety, and, since PCB transformers are replaced, reduces environmental damage exposure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	9,056	1,454	329	0	0	0	0	0	10,839
<b>Total:</b>	9,056	1,454	329	0	0	0	0	0	10,839
<b>Fund Appropriations/Allocations</b>									
City Light Fund	9,056	1,454	329	0	0	0	0	0	10,839
<b>Total*:</b>	9,056	1,454	329	0	0	0	0	0	10,839
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,438	329	0	0	0	0	0	1,767
<b>Total:</b>		1,438	329	0	0	0	0	0	1,767

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Major Emergency**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8380	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project covers unexpected problems that occur with the electrical system and result in repairs of over \$100,000 for any one event and for capital costs that are incurred during any single emergency situation lasting over 48 hours.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,469	256	262	266	270	274	1,431	1,462	6,690
<b>Total:</b>	2,469	256	262	266	270	274	1,431	1,462	6,690
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,469	256	262	266	270	274	1,431	1,462	6,690
<b>Total*:</b>	2,469	256	262	266	270	274	1,431	1,462	6,690
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		242	262	266	270	274	1,431	1,462	4,207
<b>Total:</b>		242	262	266	270	274	1,431	1,462	4,207

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Massachusetts Street Substation - Networks**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	8202	<b>End Date:</b>	Q4/2026
<b>Location:</b>	1555 Utah AV S		
<b>Neighborhood Plan:</b>	Duwamish	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

The ongoing project increases Massachusetts Street Substation network capacity. It funds a programmatic approach for comprehensive management of underground network assets serving customers in Pioneer Square and the area bounded by University Street, Third Avenue, Terrace Street, and the Freeway. The project funds completion of engineering design and analysis work required before construction of any civil facilities into which feeders can be relocated from the Alaskan Way Viaduct. This project defers the need date for a new network substation until no further capacity is available from Union Street and the other network substations. It provides sufficient and reliable electrical capacity for the growing power needs of City Light customers.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	33,162	3,131	4,124	4,018	4,152	4,488	3,222	4,866	61,163
<b>Total:</b>	33,162	3,131	4,124	4,018	4,152	4,488	3,222	4,866	61,163
<b>Fund Appropriations/Allocations</b>									
City Light Fund	33,162	3,131	4,124	4,018	4,152	4,488	3,222	4,866	61,163
<b>Total*:</b>	33,162	3,131	4,124	4,018	4,152	4,488	3,222	4,866	61,163
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,615	4,124	4,018	4,152	4,488	3,222	4,866	28,485
<b>Total:</b>		3,615	4,124	4,018	4,152	4,488	3,222	4,866	28,485

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Medium Overhead and Underground Services**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8366	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides medium size electric power service connections from Seattle City Light's distribution system to the customer's meter for power requirements of 50 KVA to 2.5 MVA and 26 kV radial services. Most of this related work is billable to the customer. The project allows Seattle City Light to provide service to new customers in a safe, reliable, timely, and cost effective manner as a means to fulfill its commitment to be a customer and community-focused organization.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	96,012	10,380	13,845	14,299	11,290	11,161	8,826	14,320	180,133
<b>Total:</b>	96,012	10,380	13,845	14,299	11,290	11,161	8,826	14,320	180,133
<b>Fund Appropriations/Allocations</b>									
City Light Fund	96,012	10,380	13,845	14,299	11,290	11,161	8,826	14,320	180,133
<b>Total*:</b>	96,012	10,380	13,845	14,299	11,290	11,161	8,826	14,320	180,133
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		13,412	13,845	14,299	11,290	11,161	8,826	14,320	87,153
<b>Total:</b>		13,412	13,845	14,299	11,290	11,161	8,826	14,320	87,153

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Meter Additions**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	8054	<b>End Date:</b>	Q4/2022
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides new or replacement meters for both residential and commercial services. Work included in this project includes installations of new and/or upgraded meter services; obsolete meter exchanges; audits of new meter services, solar metering, and technology impacting the distribution system; testing, calibration, meter inventory management, and verifying electrical measurement standards. This project ensures accurate customer billing.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	66,327	2,246	2,282	2,317	2,644	2,711	2,839	2,977	84,343
<b>Total:</b>	66,327	2,246	2,282	2,317	2,644	2,711	2,839	2,977	84,343
<b>Fund Appropriations/Allocations</b>									
City Light Fund	66,327	2,246	2,282	2,317	2,644	2,711	2,839	2,977	84,343
<b>Total*:</b>	66,327	2,246	2,282	2,317	2,644	2,711	2,839	2,977	84,343
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,568	2,282	2,317	2,644	2,711	2,839	2,977	18,338
<b>Total:</b>		2,568	2,282	2,317	2,644	2,711	2,839	2,977	18,338

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Miscellaneous Building Improvements**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9007	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project capitalizes on emergent opportunities to make improvements to City Light's buildings and facilities. The project also provides for cost effective asset preservation measures, the need for which had not been previously foreseen. The project protects employees and customers from health and safety hazards and permits SCL to meet safety and health code requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	11,794	1,478	1,594	2,210	2,307	3,749	3,828	3,903	30,863
<b>Total:</b>	11,794	1,478	1,594	2,210	2,307	3,749	3,828	3,903	30,863
<b>Fund Appropriations/Allocations</b>									
City Light Fund	11,794	1,478	1,594	2,210	2,307	3,749	3,828	3,903	30,863
<b>Total*:</b>	11,794	1,478	1,594	2,210	2,307	3,749	3,828	3,903	30,863
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,044	1,594	2,210	2,307	3,749	3,828	3,903	18,635
<b>Total:</b>		1,044	1,594	2,210	2,307	3,749	3,828	3,903	18,635

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Mobile Workforce Implementation**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	8429	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides mobile communication and computing equipment for Seattle City Light workers to use in the field. The project improves operational efficiencies for scheduling of crews, rapid revision of crew schedules during emergencies, and reducing transit time between job sites.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	4,030	205	436	1,226	1,254	0	0	7,151
<b>Total:</b>	0	4,030	205	436	1,226	1,254	0	0	7,151
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	4,030	205	436	1,226	1,254	0	0	7,151
<b>Total*:</b>	0	4,030	205	436	1,226	1,254	0	0	7,151
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	2,974	1,636	1,226	1,254	0	0	7,090
<b>Total:</b>		0	2,974	1,636	1,226	1,254	0	0	7,090

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Neighborhood Voluntary Undergrounding Program**

<b>BCL/Program Name:</b>	D3 External Projects - Customer Other	<b>BCL/Program Code:</b>	SCL370-D3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8383	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides City Light resources to serve potential Voluntary Undergrounding Program (VUP) customers through the VUP process from initial estimate, financial planning, design, construction, and reimbursement of costs from the customers. The purpose of the Voluntary Underground Program (VUP) is to satisfy residential customers who are interested in converting their overhead distribution system to an underground system. This VUP is proscribed by Seattle Municipal Code, Section 21.49.110.T.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	277	472	8	8	8	8	8	15	804
<b>Total:</b>	277	472	8	8	8	8	8	15	804
<b>Fund Appropriations/Allocations</b>									
City Light Fund	277	472	8	8	8	8	8	15	804
<b>Total*:</b>	277	472	8	8	8	8	8	15	804
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4	15	15	15	15	15	15	94
<b>Total:</b>		4	15	15	15	15	15	15	94

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Network Additions and Services - Denny**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8405	<b>End Date:</b>	Q4/2023
<b>Location:</b>	Valley Street/Denny Ave		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This ongoing project provides electrical service connections and related improvements in response to customer service needs within the North Downtown network area. The project provides civil and electrical design assistance to customers to connect existing and proposed buildings to the North Downtown network system. This project also performs capacity addition work associated with service connections, and replaces or installs network transformers, network protectors, and bus ties switches.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,044	1,595	2,311	2,665	2,717	2,477	3,114	4,930	21,853
<b>Total:</b>	2,044	1,595	2,311	2,665	2,717	2,477	3,114	4,930	21,853
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,044	1,595	2,311	2,665	2,717	2,477	3,114	4,930	21,853
<b>Total*:</b>	2,044	1,595	2,311	2,665	2,717	2,477	3,114	4,930	21,853
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,896	2,311	2,665	2,717	2,477	3,114	4,930	20,110
<b>Total:</b>		1,896	2,311	2,665	2,717	2,477	3,114	4,930	20,110

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Network Additions and Services: Broad Street Substation**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8363	<b>End Date:</b>	Q4/2026
<b>Location:</b>	319 6th AV N		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	7
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides electrical service connections and related improvements in response to customer service requests within the Broad Street network areas. The project performs capacity additions work associated with service connections to customers including condominiums, office buildings, medical facilities, hotels, and commercial and apartment buildings. The project also replaces or installs network transformers, network protectors and specialty transformers, and performs short duration system improvement work identified during operations, including retrofitting in-building vaults.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	53,305	5,889	6,504	6,856	6,824	6,960	7,218	7,096	100,652
<b>Total:</b>	53,305	5,889	6,504	6,856	6,824	6,960	7,218	7,096	100,652
<b>Fund Appropriations/Allocations</b>									
City Light Fund	53,305	5,889	6,504	6,856	6,824	6,960	7,218	7,096	100,652
<b>Total*:</b>	53,305	5,889	6,504	6,856	6,824	6,960	7,218	7,096	100,652
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		6,717	6,504	6,856	6,824	6,960	7,218	7,096	48,175
<b>Total:</b>		6,717	6,504	6,856	6,824	6,960	7,218	7,096	48,175

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Network Additions and Svcs: First Hill, Mass, Union & Univer**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8364	<b>End Date:</b>	Q4/2026
<b>Location:</b>	1555 Utah AV S		
<b>Neighborhood Plan:</b>	Duwamish	<b>Council District:</b>	2
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides electrical service connections and related improvements in response to customer service requests within the First Hill, Massachusetts, Union, and University District network areas. The project performs capacity additions work associated with service connections to customers, including condominiums, office buildings, medical facilities, hotels, and commercial and apartment buildings. The project also replaces or installs network transformers, network protectors and specialty transformers, and performs short-duration system improvement work identified during operations, including retrofitting in-building vaults.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	33,519	3,580	4,037	2,926	3,007	3,042	3,557	3,605	57,273
<b>Total:</b>	33,519	3,580	4,037	2,926	3,007	3,042	3,557	3,605	57,273
<b>Fund Appropriations/Allocations</b>									
City Light Fund	33,519	3,580	4,037	2,926	3,007	3,042	3,557	3,605	57,273
<b>Total*:</b>	33,519	3,580	4,037	2,926	3,007	3,042	3,557	3,605	57,273
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,057	4,037	2,926	3,007	3,042	3,557	3,605	24,231
<b>Total:</b>		4,057	4,037	2,926	3,007	3,042	3,557	3,605	24,231

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Network Hazeltine Upgrade**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	8129	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project upgrades City Light's remote vault monitoring capability for the Hazeltine system. The project provides remote monitoring of network transformers, protectors, vaults, and supports daily utility operations. The project enhances the network monitoring capability by allowing an alarm to be sent to the System Control Center within 30 seconds of an abnormal electrical component or environmental condition occurrence.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	6,466	631	545	549	557	784	746	748	11,026
<b>Total:</b>	6,466	631	545	549	557	784	746	748	11,026
<b>Fund Appropriations/Allocations</b>									
City Light Fund	6,466	631	545	549	557	784	746	748	11,026
<b>Total*:</b>	6,466	631	545	549	557	784	746	748	11,026
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		535	545	549	557	784	746	748	4,464
<b>Total:</b>		535	545	549	557	784	746	748	4,464

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Network Maintenance Hole and Vault Rebuild**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	8130	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project repairs or replaces damaged electrical manholes, vaults and ducts located in the street right of way within the Downtown Central and Pioneer Square business districts. The project provides reliable and safe electrical service to the network, and enhances safety for City Light crews and the public by reducing the large backlog of old or damaged electrical facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	54,677	2,456	3,467	3,539	3,597	3,572	3,714	2,649	77,671
<b>Total:</b>	54,677	2,456	3,467	3,539	3,597	3,572	3,714	2,649	77,671
<b>Fund Appropriations/Allocations</b>									
City Light Fund	54,677	2,456	3,467	3,539	3,597	3,572	3,714	2,649	77,671
<b>Total*:</b>	54,677	2,456	3,467	3,539	3,597	3,572	3,714	2,649	77,671
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,309	3,467	3,539	3,597	3,572	3,714	2,649	22,847
<b>Total:</b>		2,309	3,467	3,539	3,597	3,572	3,714	2,649	22,847

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**New Customer Information System**

<b>BCL/Program Name:</b>	E1 Central Utility Projects - Customer and Billing	<b>BCL/Program Code:</b>	SCL370-E1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9937	<b>End Date:</b>	Q4/2017
<b>Location:</b>	700 5th Avenue		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project replaces the existing Consolidated Customer Service System (CCSS) application with a more current and viable technology solution. The CCSS provides Customer Information System (CIS) processing and support for Seattle City Light, Seattle Public Utilities, the City's Utility Call Center, and other customer service staff. The existing system does not support the current business model and direction of the City of Seattle's utilities, and is no longer supported by the vendor. The project will preserve and enhance the City's ability to continue to deliver this critical function into the future.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	33,141	15,014	5,668	0	0	0	0	0	53,823
<b>Total:</b>	33,141	15,014	5,668	0	0	0	0	0	53,823
<b>Fund Appropriations/Allocations</b>									
City Light Fund	33,141	15,014	5,668	0	0	0	0	0	53,823
<b>Total*:</b>	33,141	15,014	5,668	0	0	0	0	0	53,823
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		17,693	5,668	0	0	0	0	0	23,361
<b>Total:</b>		17,693	5,668	0	0	0	0	0	23,361

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Newhalem - Generator 20/Support Facility Rebuild**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	6479	<b>End Date:</b>	Q4/2018
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project rehabilitates the Newhalem Generator 20 turbine runner and penstock. Placed in service in 1921, the turbine runner and penstock have reached the end of their useful life. This system has a 2.5 megawatts generating capacity of clean renewable power. In addition, it provides emergency power backup to Newhalem and Gorge facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,790	772	110	257	0	0	0	0	3,929
<b>Total:</b>	2,790	772	110	257	0	0	0	0	3,929
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,790	772	110	257	0	0	0	0	3,929
<b>Total*:</b>	2,790	772	110	257	0	0	0	0	3,929
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,141	110	257	0	0	0	0	2,508
<b>Total:</b>		2,141	110	257	0	0	0	0	2,508

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Normal Emergency**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8379	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project covers unexpected problems that occur with the electrical system incurred during any single emergency situation that lasts less than 48 hours, such as lightning storms and brief wind storms, and result in necessary repairs that cost over \$5,000.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	10,768	494	569	579	1,311	1,328	2,500	2,545	20,094
<b>Total:</b>	10,768	494	569	579	1,311	1,328	2,500	2,545	20,094
<b>Fund Appropriations/Allocations</b>									
City Light Fund	10,768	494	569	579	1,311	1,328	2,500	2,545	20,094
<b>Total*:</b>	10,768	494	569	579	1,311	1,328	2,500	2,545	20,094
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,175	569	579	1,311	1,328	2,500	2,545	12,007
<b>Total:</b>		3,175	569	579	1,311	1,328	2,500	2,545	12,007

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**North and South Service Center Improvements**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9107	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Outside the City of Seattle		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project improves office, shop, and storage areas in the North and South Service Centers. The project increases efficiency, productivity, safety improvements and optimal use of space.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	34,843	400	363	354	823	3,956	5,374	5,530	51,643
<b>Total:</b>	34,843	400	363	354	823	3,956	5,374	5,530	51,643
<b>Fund Appropriations/Allocations</b>									
City Light Fund	34,843	400	363	354	823	3,956	5,374	5,530	51,643
<b>Total*:</b>	34,843	400	363	354	823	3,956	5,374	5,530	51,643
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		338	363	354	823	3,956	5,374	5,530	16,738
<b>Total:</b>		338	363	354	823	3,956	5,374	5,530	16,738

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Office Furniture and Equipment Purchase**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	9103	<b>End Date:</b>	Q4/2022
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides office equipment and furniture costing more than \$5,000 each. This project furnishes newly created or modified space under the Workplace and Process Improvement program, and replaces aging office furnishings with modular office workstations, conference room ensemble furniture, and major office machines. This project enhances worker safety and morale by purchasing ergonomic furniture and providing modern workspaces.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	19,397	732	683	699	1,101	1,128	1,155	1,182	26,077
<b>Total:</b>	19,397	732	683	699	1,101	1,128	1,155	1,182	26,077
<b>Fund Appropriations/Allocations</b>									
City Light Fund	19,397	732	683	699	1,101	1,128	1,155	1,182	26,077
<b>Total*:</b>	19,397	732	683	699	1,101	1,128	1,155	1,182	26,077
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		415	683	699	1,101	1,128	1,155	1,182	6,363
<b>Total:</b>		415	683	699	1,101	1,128	1,155	1,182	6,363

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Outage Management System Phase II Implementation**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9967	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds City Light's Outage Management System (OMS) upgraded in order to maintain its availability as it be available 100% of the time. However, its application, operating system, and database have aged to the point where OMS' availability is at risk. It was fielded in 2011 and has not been significantly modified since. The upgrade of OMS will bring it to a currently supported product version (application, OS, database, physical infrastructure, etc.). The scope of this project is to cover as much as possible of the as-is system, with an additional change to integrate with the ongoing deployment of the Advanced Metering Infrastructure (AMI) initiative.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	1,392	2,131	0	0	0	0	3,523
<b>Total:</b>	0	0	1,392	2,131	0	0	0	0	3,523
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	1,392	2,131	0	0	0	0	3,523
<b>Total*:</b>	0	0	1,392	2,131	0	0	0	0	3,523

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Overhead 26kV Conversion**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8358	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces the 4 kV electrical equipment remaining in the electrical distribution system with new, efficient and reliable 26 kV distribution equipment. This project increases capacity to deliver power to City Light customers, rebuilds and maintains the backbone of City Light's system, saves energy by reducing transformer and line losses, improves quality and reliability of service to customers, and releases unit substation properties for better neighborhood uses.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	13,982	2,098	1,750	1,768	1,762	1,785	1,817	1,447	26,409
<b>Total:</b>	13,982	2,098	1,750	1,768	1,762	1,785	1,817	1,447	26,409
<b>Fund Appropriations/Allocations</b>									
City Light Fund	13,982	2,098	1,750	1,768	1,762	1,785	1,817	1,447	26,409
<b>Total*:</b>	13,982	2,098	1,750	1,768	1,762	1,785	1,817	1,447	26,409
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,898	1,750	1,768	1,762	1,785	1,817	1,447	12,227
<b>Total:</b>		1,898	1,750	1,768	1,762	1,785	1,817	1,447	12,227

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Overhead and Underground Relocations**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8369	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project moves electrical lines to accommodate or take advantage of transportation-related projects, street vacations, or other projects being constructed by non-City Light agencies. This project addresses modifications to the distribution system, including replacement or modifications of old line segments, poles, and underground facilities, as necessary. Some project costs are paid by City Light and some are paid by the requesting agencies, depending on the circumstances.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	13,220	2,505	2,227	2,304	2,574	3,827	3,904	3,980	34,541
<b>Total:</b>	13,220	2,505	2,227	2,304	2,574	3,827	3,904	3,980	34,541
<b>Fund Appropriations/Allocations</b>									
City Light Fund	13,220	2,505	2,227	2,304	2,574	3,827	3,904	3,980	34,541
<b>Total*:</b>	13,220	2,505	2,227	2,304	2,574	3,827	3,904	3,980	34,541
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,597	2,227	2,304	2,574	3,827	3,904	3,980	21,413
<b>Total:</b>		2,597	2,227	2,304	2,574	3,827	3,904	3,980	21,413

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Overhead Customer Driven Capacity Additions**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8355	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides electrical lines from substations to customers' property lines. This project builds new and replaces old line segments, relocates lines for construction clearances and replaces rotten and damaged poles in the distribution system. This work is driven by specific customer projects, for their direct benefit, to identify and upgrade feeders that are affected before the new load from those projects comes online. City Light is reimbursed by the customers for this work.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	33,771	3,623	3,799	4,376	5,035	5,684	4,083	6,081	66,452
<b>Total:</b>	33,771	3,623	3,799	4,376	5,035	5,684	4,083	6,081	66,452
<b>Fund Appropriations/Allocations</b>									
City Light Fund	33,771	3,623	3,799	4,376	5,035	5,684	4,083	6,081	66,452
<b>Total*:</b>	33,771	3,623	3,799	4,376	5,035	5,684	4,083	6,081	66,452
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,366	3,799	4,376	5,035	5,684	4,083	6,081	32,424
<b>Total:</b>		3,366	3,799	4,376	5,035	5,684	4,083	6,081	32,424

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Overhead Equipment Replacements**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8351	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces older equipment in City Light's distribution system that is nearing the end of its usable life; is overloaded or is of an outdated design, which requires replacement due to the lack of spare parts. These items include, but are not limited to, poles, cross-arms, transformers, and open-wire secondaries.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	80,689	21,063	18,848	18,171	25,379	25,676	23,474	25,191	238,491
<b>Total:</b>	80,689	21,063	18,848	18,171	25,379	25,676	23,474	25,191	238,491
<b>Fund Appropriations/Allocations</b>									
City Light Fund	80,689	21,063	18,848	18,171	25,379	25,676	23,474	25,191	238,491
<b>Total*:</b>	80,689	21,063	18,848	18,171	25,379	25,676	23,474	25,191	238,491
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		15,679	18,848	18,171	25,379	25,676	23,474	25,191	152,418
<b>Total:</b>		15,679	18,848	18,171	25,379	25,676	23,474	25,191	152,418

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Overhead Outage Replacements**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8350	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project supports the capitalized portion of work resulting from unplanned, non-emergency, overhead outages. These outages result from events, such as storms, accidents, and equipment failures. The project funds permanent storm repairs and construction of new infrastructure to bypass failing equipment. The project ensures that customers' electric power is restored as quickly as possible.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,268	272	310	318	456	956	971	1,118	7,669
<b>Total:</b>	3,268	272	310	318	456	956	971	1,118	7,669
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,268	272	310	318	456	956	971	1,118	7,669
<b>Total*:</b>	3,268	272	310	318	456	956	971	1,118	7,669
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		225	310	318	456	956	971	1,118	4,354
<b>Total:</b>		225	310	318	456	956	971	1,118	4,354

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Overhead System Capacity Additions**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8356	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides electrical lines from substations to customers' property lines. This project builds new and replaces old line segments, replaces rotten and damaged poles in the distribution system. City Light customers pay for some of this work.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	30,539	2,520	2,735	2,661	2,637	2,703	3,434	3,485	50,714
<b>Total:</b>	30,539	2,520	2,735	2,661	2,637	2,703	3,434	3,485	50,714
<b>Fund Appropriations/Allocations</b>									
City Light Fund	30,539	2,520	2,735	2,661	2,637	2,703	3,434	3,485	50,714
<b>Total*:</b>	30,539	2,520	2,735	2,661	2,637	2,703	3,434	3,485	50,714
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,101	2,735	2,661	2,637	2,703	3,434	3,485	20,756
<b>Total:</b>		3,101	2,735	2,661	2,637	2,703	3,434	3,485	20,756

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**PeopleSoft Reimplementation - City Light**

<b>BCL/Program Name:</b>	E2 Central Utility Projects - Finance and IT Systems	<b>BCL/Program Code:</b>	SCL550-E2
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9970	<b>End Date:</b>	Q4/2018
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

The PeopleSoft reimplementation and upgrade is a City-wide effort to replace the City's accounting system with an upgraded version of the PeopleSoft software. In addition to City Light's costs for the upgrade, reflected in the 2013-2020 Strategic Plan - FinMAP CIP Project 9961, this project includes \$6.2M from the 2014 Strategic Plan update, which is a 25% allocated share of the City's Financial and Administrative Services departments estimated project costs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,535	15,930	7,945	2,300	0	0	0	0	27,710
<b>Total:</b>	1,535	15,930	7,945	2,300	0	0	0	0	27,710
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,535	15,930	7,945	2,300	0	0	0	0	27,710
<b>Total*:</b>	1,535	15,930	7,945	2,300	0	0	0	0	27,710
<b>Spending Plan by Fund</b>									
City Light Fund		10,362	10,145	2,300	0	0	0	0	22,807
<b>Total:</b>		10,362	10,145	2,300	0	0	0	0	22,807

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Pole Attachment Requests Preparation Work**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	8452	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds utility crews and engineers to prepare City Light poles for the attachment of other communication infrastructure. This project provides for additional revenues through pole attachment fees and construction costs, which are fully reimbursable.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	6,919	4,321	3,525	3,582	3,627	4,023	4,539	4,587	35,123
<b>Total:</b>	6,919	4,321	3,525	3,582	3,627	4,023	4,539	4,587	35,123
<b>Fund Appropriations/Allocations</b>									
City Light Fund	6,919	4,321	3,525	3,582	3,627	4,023	4,539	4,587	35,123
<b>Total*:</b>	6,919	4,321	3,525	3,582	3,627	4,023	4,539	4,587	35,123
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		3,827	3,525	3,582	3,627	4,023	4,539	4,587	27,710
<b>Total:</b>		3,827	3,525	3,582	3,627	4,023	4,539	4,587	27,710

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Power Production - Network Controls**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	6385	<b>End Date:</b>	Q4/2019
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides the infrastructure required to install the basic control network and integrate existing, major control systems for a Skagit wide network controls program, to be located at each of the Skagit facilities. This project improves monitoring and control of the Skagit facilities, reduces maintenance and potential outages, and reduces cost and time of maintenance and outages. This project incorporates features that lead to enhanced data acquisition that is part of the NERC requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	4,333	1,661	812	989	1,116	0	0	0	8,911
<b>Total:</b>	4,333	1,661	812	989	1,116	0	0	0	8,911
<b>Fund Appropriations/Allocations</b>									
City Light Fund	4,333	1,661	812	989	1,116	0	0	0	8,911
<b>Total*:</b>	4,333	1,661	812	989	1,116	0	0	0	8,911
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,067	812	989	1,116	0	0	0	3,984
<b>Total:</b>		1,067	812	989	1,116	0	0	0	3,984

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Project Management System Implementation**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2021
<b>Project ID:</b>	9973	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds obtaining, configuring, and implementing an enterprise project management system to help manage, track, and report on City Light projects, programs, and portfolios. This project creates a central location to manage project schedules risks, issues, documents, action items. It supports City Light's goals of improving project management practices across the organization.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	0	2,003	1,002	3,005
<b>Total:</b>	0	0	0	0	0	0	2,003	1,002	3,005
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	0	2,003	1,002	3,005
<b>Total*:</b>	0	0	0	0	0	0	2,003	1,002	3,005

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Relaying Improvements**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7753	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces protective relays, to ensure system reliability by protecting the rest of the distribution system from potentially cascading effects if one part fails to operate properly. It upgrades relay technology, allowing remote control and documentation of system events, which enhances the detection and management of equipment problems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	29,489	4,422	4,050	4,634	5,614	4,626	4,978	5,053	62,866
<b>Total:</b>	29,489	4,422	4,050	4,634	5,614	4,626	4,978	5,053	62,866
<b>Fund Appropriations/Allocations</b>									
City Light Fund	29,489	4,422	4,050	4,634	5,614	4,626	4,978	5,053	62,866
<b>Total*:</b>	29,489	4,422	4,050	4,634	5,614	4,626	4,978	5,053	62,866
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,571	4,050	4,634	5,614	4,626	4,978	5,053	33,526
<b>Total:</b>		4,571	4,050	4,634	5,614	4,626	4,978	5,053	33,526

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Replace Breakers BPA Covington and Maple Valley Substations**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	7121	<b>End Date:</b>	Q4/2023
<b>Location:</b>	Kent		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project meets the terms of City Light's interconnection agreement with Bonneville Power Administration (BPA) by upgrading breaker capacity in two substations that are owned by BPA, but where City Light is responsible for the breakers.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	546	13	11	11	11	12	12	12	628
<b>Total:</b>	546	13	11	11	11	12	12	12	628
<b>Fund Appropriations/Allocations</b>									
City Light Fund	546	13	11	11	11	12	12	12	628
<b>Total*:</b>	546	13	11	11	11	12	12	12	628
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		9	11	11	11	12	12	12	78
<b>Total:</b>		9	11	11	11	12	12	12	78

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross - 480V AC Station Service Switchgear Replacement**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2019
<b>Project ID:</b>	6580	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project mitigates safety hazards at the Ross switchyard by replacing all 480kV circuit breakers with new breakers that allow for remote operation. Recent Policy changes and regulations related to electrical Arc Flash hazards have highlighted safety issues related to this equipment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	110	5,707	0	0	5,817
<b>Total:</b>	0	0	0	0	110	5,707	0	0	5,817
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	110	5,707	0	0	5,817
<b>Total*:</b>	0	0	0	0	110	5,707	0	0	5,817
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross - Exciters 41-44**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6564	<b>End Date:</b>	Q4/2021
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides installation of new remote temperature monitoring equipment at the Boundary, Skagit and Cedar Falls power facilities. This project is combined with projects 6571 and 6579 to form a larger project.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	237	0	439	3,274	216	695	0	4,861
<b>Total:</b>	0	237	0	439	3,274	216	695	0	4,861
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	237	0	439	3,274	216	695	0	4,861
<b>Total*:</b>	0	237	0	439	3,274	216	695	0	4,861
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	0	439	3,274	216	695	0	4,624
<b>Total:</b>		0	0	439	3,274	216	695	0	4,624

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross - Governors**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6562	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project replaces Governors and Exciters on all four of the Ross Powerhouse generating units.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	320	2,803	3,579	556	0	0	0	0	7,258
<b>Total:</b>	320	2,803	3,579	556	0	0	0	0	7,258
<b>Fund Appropriations/Allocations</b>									
City Light Fund	320	2,803	3,579	556	0	0	0	0	7,258
<b>Total*:</b>	320	2,803	3,579	556	0	0	0	0	7,258
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,030	3,579	556	0	0	0	0	5,165
<b>Total:</b>		1,030	3,579	556	0	0	0	0	5,165

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross - Powerhouse Rockfall Mitigation**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6577	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project mitigates risks to the powerhouse by installing rock fall protection measures above the Ross Powerhouse. Specific measure to be implemented will be determined during design but could include rock bolting, rock fencing, rock scaling or other measures.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	106	400	50	4,484	0	0	5,040
<b>Total:</b>	0	0	106	400	50	4,484	0	0	5,040
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	106	400	50	4,484	0	0	5,040
<b>Total*:</b>	0	0	106	400	50	4,484	0	0	5,040
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross - R1 and R2 Relay and Instrumentation Upgrade**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6582	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project installs new microprocessor based relays to protect the Ross R1 and R2 lines from major electrical faults. This improves transmission reliability. The R1 and R2 lines transmit power generated at Ross to Diablo Switchyard where it is sent out to the transmission grid.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	105	110	459	127	0	0	801
<b>Total:</b>	0	0	105	110	459	127	0	0	801
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	105	110	459	127	0	0	801
<b>Total*:</b>	0	0	105	110	459	127	0	0	801
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross - Rock Slide Area Improvements**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	6516	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Milepost 128 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project reestablishes boat and barge access to the Ross Powerhouse and Dam, Ross Lake Resort, and National Parks Facilities, severed by a rock slide in March 2010. The project stabilizes the rock slope, reestablishes a road between Ross Powerhouse and Ross Dam, and reconstructs ramps, docks, and loading areas on Diablo Reservoir for Ross Powerhouse, Ross Dam, and Ross Lake access.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	8,919	533	10	0	0	0	0	0	9,462
<b>Total:</b>	8,919	533	10	0	0	0	0	0	9,462
<b>Fund Appropriations/Allocations</b>									
City Light Fund	8,919	533	10	0	0	0	0	0	9,462
<b>Total*:</b>	8,919	533	10	0	0	0	0	0	9,462
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		476	10	0	0	0	0	0	486
<b>Total:</b>		476	10	0	0	0	0	0	486

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross Dam - AC/DC Distribution System Upgrade**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	6373	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Milepost 128 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project upgrades aging AC electrical distribution system at Ross Dam with a new electrical distribution system. It installs conduit, ducting, distribution panels and wire. It improves the 4 kV system, improves lighting, and provides improvements on top of the dam including a center substation room, emergency generator, valve houses, and a 130-volt battery bank. New conduit and conductors improve reliability of spillgate operations and other dam operations requiring electric power. New electrical equipment, new lighting, and the addition of emergency lighting allow staff greater operational flexibility, safety, and efficiency.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,105	546	1,741	483	11	3,682	0	0	8,568
<b>Total:</b>	2,105	546	1,741	483	11	3,682	0	0	8,568
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,105	546	1,741	483	11	3,682	0	0	8,568
<b>Total*:</b>	2,105	546	1,741	483	11	3,682	0	0	8,568
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		975	1,741	483	11	3,682	0	0	6,892
<b>Total:</b>		975	1,741	483	11	3,682	0	0	6,892

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross Dam - New Access Road from SR20 to Dam**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2020
<b>Project ID:</b>	6452	<b>End Date:</b>	Q4/2022
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides construction of an access/service road from State Route 20 to Ross Dam. Preliminary designs made in the 1970's and 1980's have been reviewed, updated, and evaluated as a first phase. This first phase study includes review of construction costs, permit and public review processes, and timetables.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	11,453	2,167	7,342	20,962
<b>Total:</b>	0	0	0	0	0	11,453	2,167	7,342	20,962
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	11,453	2,167	7,342	20,962
<b>Total*:</b>	0	0	0	0	0	11,453	2,167	7,342	20,962
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		0	0	0	0	458	13,162	7,342	20,962
<b>Total:</b>		0	0	0	0	458	13,162	7,342	20,962

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross Powerhouse - Programmable Language Controller Upgrade**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	6376	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Milepost 128 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project replaces the five Ross Dam Powerhouse Programmable Logic Controllers (PLC). There is one PLC for each of the four generator units, and a fifth PLC monitoring other critical powerhouse equipment. The project improves City Light's ability to make programming enhancements commensurate with operational and regulatory needs, assures comprehensive and correct documentation, and delivers a 24VDC system that eliminates the need of LOTO (Lock-Out/Tag-Out) safety procedures. It provides redundancy, which yields the ability to perform remote start-stop and other control functions of the generators.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	81	283	454	141	0	0	0	0	959
<b>Total:</b>	81	283	454	141	0	0	0	0	959
<b>Fund Appropriations/Allocations</b>									
City Light Fund	81	283	454	141	0	0	0	0	959
<b>Total*:</b>	81	283	454	141	0	0	0	0	959
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		52	454	141	0	0	0	0	647
<b>Total:</b>		52	454	141	0	0	0	0	647

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ross Powerhouse - Replace Transformer Banks 42 and 44**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6541	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will fund the design and installation of two new step-up power transformer banks at Ross Powerhouse to replace the sixty-year-old units that have exceeded their useful life and have shown indications of failure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	644	11,619	1,737	50	0	0	0	0	14,050
<b>Total:</b>	644	11,619	1,737	50	0	0	0	0	14,050
<b>Fund Appropriations/Allocations</b>									
City Light Fund	644	11,619	1,737	50	0	0	0	0	14,050
<b>Total*:</b>	644	11,619	1,737	50	0	0	0	0	14,050
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		8,427	8,718	50	0	0	0	0	17,195
<b>Total:</b>		8,427	8,718	50	0	0	0	0	17,195

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Safety Modifications**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9006	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project modifies City Light's facilities and provides equipment to correct imminent and critical safety hazards. The project includes upgrades and revisions to systems, equipment and operations, properties and facilities, as needed to comply with safety regulations and best practices for a safe, efficient, and secure work environment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,993	1,936	1,376	1,353	1,383	1,373	1,405	1,437	14,256
<b>Total:</b>	3,993	1,936	1,376	1,353	1,383	1,373	1,405	1,437	14,256
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,993	1,936	1,376	1,353	1,383	1,373	1,405	1,437	14,256
<b>Total*:</b>	3,993	1,936	1,376	1,353	1,383	1,373	1,405	1,437	14,256
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,755	1,376	1,353	1,383	1,373	1,405	1,437	10,082
<b>Total:</b>		1,755	1,376	1,353	1,383	1,373	1,405	1,437	10,082

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Seattle Waterfront Streetlight Installation**

<b>BCL/Program Name:</b>	D1 External Projects - Local Jurisdictions	<b>BCL/Program Code:</b>	SCL370-D1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	8481	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the street lighting associated with the bored tunnel hybrid plan for the Alaskan Way Viaduct replacement which is a project that will result in the City rebuilding Alaskan Way, led by the Office of the Waterfront.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	300	300	401	5,008	5,008	4,006	15,023
<b>Total:</b>	0	0	300	300	401	5,008	5,008	4,006	15,023
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	300	300	401	5,008	5,008	4,006	15,023
<b>Total*:</b>	0	0	300	300	401	5,008	5,008	4,006	15,023

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Security Improvements**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	9202	<b>End Date:</b>	Q4/2022
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing program plans, designs and implements projects, improving the physical security of City Light critical facilities, in order to mitigate unauthorized access and criminal activities that could cause significant system damage, power outages, and other related disruptions to the electrical system. The project reduces the risk of sabotage, vandalism, theft, and terrorism that can result in the loss of valuable infrastructure for generation and distribution of power. The project also reduces risk of noncompliance with North American Reliability Council (NERC) 1200 Standards, adopted May 2, 2006, to improve security at critical facilities that house command and control systems. It enhances reliability of the power system in the Pacific Northwest, reduces the risk of lost revenues, and reduces the jeopardy to public safety and emergency response due to loss of lifeline services such as medical services, water and wastewater systems, communications, law enforcement, banking, transportation system, etc.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	21,362	10,321	3,275	2,357	2,252	2,292	2,342	2,272	46,473
<b>Total:</b>	21,362	10,321	3,275	2,357	2,252	2,292	2,342	2,272	46,473
<b>Fund Appropriations/Allocations</b>									
City Light Fund	21,362	10,321	3,275	2,357	2,252	2,292	2,342	2,272	46,473
<b>Total*:</b>	21,362	10,321	3,275	2,357	2,252	2,292	2,342	2,272	46,473
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		11,401	3,275	2,357	2,252	2,292	2,342	2,272	26,191
<b>Total:</b>		11,401	3,275	2,357	2,252	2,292	2,342	2,272	26,191

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Seismic Mitigation**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1998
<b>Project ID:</b>	9134	<b>End Date:</b>	Q4/2026
<b>Location:</b>	Outside the City of Seattle		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds structural upgrades to buildings. This project is for miscellaneous, unidentified seismic issues other than the Georgetown Steam Plant, Service Centers and Substations, which are funded through other projects. The project protects City Light's assets, employees, customers, visitors, equipment, and materials.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5,527	60	136	89	96	602	605	607	7,722
<b>Total:</b>	5,527	60	136	89	96	602	605	607	7,722
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5,527	60	136	89	96	602	605	607	7,722
<b>Total*:</b>	5,527	60	136	89	96	602	605	607	7,722
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		77	136	89	96	602	605	607	2,212
<b>Total:</b>		77	136	89	96	602	605	607	2,212

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Service Center Development Project**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2021
<b>Project ID:</b>	9232	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This ongoing project provides a Service Center Master Plan to revitalize City Light's customer service centers. A phase one report has been prepared that identifies preliminary options and associated costs, and further work is needed to refine the findings of this report to an actionable set of recommendations. In order to manage the financial impact of this initiative, major development is not anticipated to occur until 2019.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	0	0	0	59,720	40,340	100,060
<b>Total:</b>	0	0	0	0	0	0	59,720	40,340	100,060
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	0	0	0	59,720	40,340	100,060
<b>Total*:</b>	0	0	0	0	0	0	59,720	40,340	100,060

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit - Babcock Creek Crossing**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6514	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will construct a permanent and more stable crossing across Babcock Creek, near Newhalem. The road to Babcock Creek provides access to a critical communication tower and currently only has a temporary bridge crossing it. The permanent crossing will be either a bridge or vented ford.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	152	646	58	0	0	0	0	0	856
<b>Total:</b>	152	646	58	0	0	0	0	0	856
<b>Fund Appropriations/Allocations</b>									
City Light Fund	152	646	58	0	0	0	0	0	856
<b>Total*:</b>	152	646	58	0	0	0	0	0	856
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,038	58	0	0	0	0	0	1,096
<b>Total:</b>		1,038	58	0	0	0	0	0	1,096

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit - Boat Facility Improvements**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6540	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will design and construct several new structures to support industrial and recreational boat operations on our Skagit reservoirs. Structures will include a new tour dock, new dry dock, additions to the existing boat houses and a new barge landing in Diablo. The project will provide improved visitor access for the Skagit Boat Tour, safer boat fueling facilities, reduced impact of snowfall on boats, consolidated barge landings, and improved dry docks.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	102	1,236	736	382	0	0	0	0	2,456
<b>Total:</b>	102	1,236	736	382	0	0	0	0	2,456
<b>Fund Appropriations/Allocations</b>									
City Light Fund	102	1,236	736	382	0	0	0	0	2,456
<b>Total*:</b>	102	1,236	736	382	0	0	0	0	2,456
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		895	736	382	0	0	0	0	2,013
<b>Total:</b>		895	736	382	0	0	0	0	2,013

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit - DC Battery System & Charge Modernization**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6583	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will replace the existing DC battery systems at Skagit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	23	117	341	0	0	0	0	0	481
<b>Total:</b>	23	117	341	0	0	0	0	0	481
<b>Fund Appropriations/Allocations</b>									
City Light Fund	23	117	341	0	0	0	0	0	481
<b>Total*:</b>	23	117	341	0	0	0	0	0	481
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		486	341	0	0	0	0	0	827
<b>Total:</b>		486	341	0	0	0	0	0	827

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit - Facilities Energy Conservation Program**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	6515	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project provides funding for structural improvements to existing facilities at Skagit, both residential and commercial. It replaces lights, windows, and HVAC systems, insulates buildings, and performs related work. The project dramatically reduces the amount of energy expended to keep structures warm or cool depending upon the season.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5,142	4,381	19	1,074	0	0	0	0	10,616
<b>Total:</b>	5,142	4,381	19	1,074	0	0	0	0	10,616
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5,142	4,381	19	1,074	0	0	0	0	10,616
<b>Total*:</b>	5,142	4,381	19	1,074	0	0	0	0	10,616
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,668	19	1,074	0	0	0	0	3,761
<b>Total:</b>		2,668	19	1,074	0	0	0	0	3,761

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit - Relicensing**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6986	<b>End Date:</b>	Q4/2023
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This ongoing project provides support of the relicensing activities for the Skagit River Hydroelectric Project including support of staff, environmental studies, documentation, and consultation needed to submit an application to relicense the project. Relicensing work will begin in 2019. The current Federal Energy Regulatory Commission (FERC) license for the Skagit Project expires in 2025, and the license application is due for submission to FERC in May 2023.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	528	1,331	7,373	6,542	14,175	26,288	56,237
<b>Total:</b>	0	0	528	1,331	7,373	6,542	14,175	26,288	56,237
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	528	1,331	7,373	6,542	14,175	26,288	56,237
<b>Total*:</b>	0	0	528	1,331	7,373	6,542	14,175	26,288	56,237

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit - Sewer System Rehabilitation**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	6232	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Milepost 126 State Highway 20		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project replaces or repairs numerous sewer pipe breaks, leaks, and sags in the combined Skagit River sewer/drainage collection system, located at the Diablo Dam site. This project eliminates potential overloads in the sewage treatment plant that can cause pollution of the Skagit River and surrounding soil contamination.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,904	1,759	658	605	2,945	165	0	0	10,036
<b>Total:</b>	3,904	1,759	658	605	2,945	165	0	0	10,036
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,904	1,759	658	605	2,945	165	0	0	10,036
<b>Total*:</b>	3,904	1,759	658	605	2,945	165	0	0	10,036
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,232	658	605	2,945	165	0	0	5,605
<b>Total:</b>		1,232	658	605	2,945	165	0	0	5,605

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit Facilities Plan**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	6520	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project implements a comprehensive facility plan to optimize buildings and structures at two Skagit town sites. The project preserves essential facilities that support SCL's power production needs, and retains important civic, cultural, and historic features in keeping with the historic preservation requirements of the Skagit FERC Licensing agreement. The project will reduce operational costs by dismantling and removing surplus facilities that require significant on-going maintenance.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,747	2,291	2,196	2,672	0	0	0	0	9,906
<b>Total:</b>	2,747	2,291	2,196	2,672	0	0	0	0	9,906
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,747	2,291	2,196	2,672	0	0	0	0	9,906
<b>Total*:</b>	2,747	2,291	2,196	2,672	0	0	0	0	9,906
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		702	2,196	2,672	0	0	0	0	5,570
<b>Total:</b>		702	2,196	2,672	0	0	0	0	5,570

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit Facility - Minor Improvements Program**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1989
<b>Project ID:</b>	6405	<b>End Date:</b>	Q4/2026
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This Ongoing project provides financial coverage for emergent capital projects related to all Skagit Facilities, which are by definition, unforeseeable, unscheduled, unpredictable, and occur on a first-come, first serve basis. In addition, it funds scheduled, small capital projects that have cost estimates less than \$25,000. This project shows increased project allocations in years 2015 to 2018. This increase reflects anticipated baseline CIP spending levels for the Skagit Facility that are in line with Strategic Plan assumptions. These future year allocations will be broken out into specific CIP projects in the next year's CIP.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	21,007	2,973	2,339	2,661	1,213	4,726	13,934	14,448	63,301
<b>Total:</b>	21,007	2,973	2,339	2,661	1,213	4,726	13,934	14,448	63,301
<b>Fund Appropriations/Allocations</b>									
City Light Fund	21,007	2,973	2,339	2,661	1,213	4,726	13,934	14,448	63,301
<b>Total*:</b>	21,007	2,973	2,339	2,661	1,213	4,726	13,934	14,448	63,301
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,094	2,339	2,661	1,213	4,726	13,934	14,448	41,415
<b>Total:</b>		2,094	2,339	2,661	1,213	4,726	13,934	14,448	41,415

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit Licensing Mitigation**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1998
<b>Project ID:</b>	6991	<b>End Date:</b>	Q4/2022
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	TBD
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project enhances and protects wildlife habitat on utility owned land in the Upper Skagit River and South Fork Nooksack River valleys to meet the obligations outlined in City Light's 1995 Skagit license. It includes land acquisition, restoration, and management.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	36,680	925	73	74	134	123	139	136	38,284
<b>Total:</b>	36,680	925	73	74	134	123	139	136	38,284
<b>Fund Appropriations/Allocations</b>									
City Light Fund	36,680	925	73	74	134	123	139	136	38,284
<b>Total*:</b>	36,680	925	73	74	134	123	139	136	38,284
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		208	73	74	134	123	139	136	887
<b>Total:</b>		208	73	74	134	123	139	136	887

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Skagit Powerhouses - Install Protection Relays**

<b>BCL/Program Name:</b>	A2 Power Supply - Skagit	<b>BCL/Program Code:</b>	SCL250-A2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	6415	<b>End Date:</b>	Q4/2022
<b>Location:</b>	500 Newhalem Creek Rd, Marblemount, WA 98267		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project enhances generating reliability by adding protective relays to generating systems at the Ross, Diablo, and Gorge plants, whose generator protective relays do not meet present IEEE Standards. The project funds the addition of microprocessor relays to the existing system, certain auxiliary protective equipment, and modifies the design of the existing protection system to upgrade functionality. This will limit the potential for damage when surges and faults occur in transmission lines due to lightning strikes, load rejections, and other unexpected events.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	4,186	912	1,553	1,865	485	1,964	1,490	1,019	13,474
<b>Total:</b>	4,186	912	1,553	1,865	485	1,964	1,490	1,019	13,474
<b>Fund Appropriations/Allocations</b>									
City Light Fund	4,186	912	1,553	1,865	485	1,964	1,490	1,019	13,474
<b>Total*:</b>	4,186	912	1,553	1,865	485	1,964	1,490	1,019	13,474
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,072	1,553	1,865	485	1,964	1,490	1,019	9,448
<b>Total:</b>		1,072	1,553	1,865	485	1,964	1,490	1,019	9,448

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Small Overhead and Underground Services**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8367	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides small size electric power service connections from Seattle City Light's distribution system to the customer's meter for power requirements of less than 50 KVA and 26 kV radial services. Most of this related work is billable to the customer. The project allows Seattle City Light to provide service to new customers in a safe, reliable, timely, and cost effective manner as a means to fulfill its commitment to be a customer and community-focused organization.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	54,153	6,200	6,205	6,314	5,504	5,396	5,343	6,709	95,824
<b>Total:</b>	54,153	6,200	6,205	6,314	5,504	5,396	5,343	6,709	95,824
<b>Fund Appropriations/Allocations</b>									
City Light Fund	54,153	6,200	6,205	6,314	5,504	5,396	5,343	6,709	95,824
<b>Total*:</b>	54,153	6,200	6,205	6,314	5,504	5,396	5,343	6,709	95,824
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		5,914	6,205	6,314	5,504	5,396	5,343	6,709	41,385
<b>Total:</b>		5,914	6,205	6,314	5,504	5,396	5,343	6,709	41,385

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**SMT AutoLab**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	6600	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project provides expansion of the AutoLab in the Seattle Municipal Tower to what is now the Central Files Room. The extra space will be used as an equipment lab for Power Production electrical engineers to conduct necessary testing of cyber security, remote monitoring and automation equipment in a simulation environment. The testing will be conducted prior to installing and activating the equipment at our generation sites. This project also provides required HVAC upgrades as well as the installation of equipment racks, wire ways, and access security.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	273	484	0	0	0	0	757
<b>Total:</b>	0	0	273	484	0	0	0	0	757
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	273	484	0	0	0	0	757
<b>Total*:</b>	0	0	273	484	0	0	0	0	757

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

**Solar Microgrid for Resilience**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	9238	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project will construct an islandable microgrid that will be located at a City of Seattle designated emergency shelter such as a community center, where a solar photovoltaic (PV) system coupled with an appropriately-sized battery energy storage system will be installed. The project is envisioned to provide backup power to support critical emergency facilities and services during extended power outages when electricity distribution facilities are down due to a catastrophic event, such as an earthquake, severe windstorm (or associated flooding), fire or landslide. Smart microgrids improve resiliency and reliability, minimize carbon footprints, and reduce costs. This project will position City Light as one of the utilities in the forefront of an innovative application of microgrids and serve as a test bed for testing and operating not just the microgrid, but the solar and battery energy storage system equipment as well. The Washington State Dept. of Commerce will grant the utility approximately half of the funding to cover the costs for this project.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	12	11	0	0	0	0	23
<b>Total:</b>	0	0	12	11	0	0	0	0	23
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	12	11	0	0	0	0	23
<b>Total*:</b>	0	0	12	11	0	0	0	0	23

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit - City Light System Upgrades**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	8475	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project increases the capacity of City Light power distribution systems to serve increased power requirements projected for Sound Transit's Link system. Initial upgrades will be in the Capitol Hill Sound Transit Station area. Construction there may be underway in 2017. Other areas projected to need power distribution system upgrades include area between the International District Station and Lake Washington, the University of Washington Station area, areas in the Rainier valley, and some areas along the proposed Lynnwood Link line.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	98	0	0	0	0	0	98
<b>Total:</b>	0	0	98	0	0	0	0	0	98
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	98	0	0	0	0	0	98
<b>Total*:</b>	0	0	98	0	0	0	0	0	98
<b>Spending Plan by Fund</b>									
City Light Fund		945	98	0	0	0	0	0	1,043
<b>Total:</b>		945	98	0	0	0	0	0	1,043

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit Light Rail East Link - City Light**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	8450	<b>End Date:</b>	Q4/2018
<b>Location:</b>	I-90/International District Station/I-90 Bridge		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Central	<b>Urban Village:</b>	Not in an Urban Village

This project plans for and relocates City Light's electrical facilities, as required by state law, enabling Sound Transit's construction of the East LINK light rail line from Seattle's International District Station to the Bellevue Redmond area. The department also plans to work with Sound Transit on a memorandum of agreement regarding cost reimbursement for its work, which is expected to be 100% reimbursable in keeping with past work with Sound Transit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	52	828	851	23	0	0	0	0	1,754
<b>Total:</b>	52	828	851	23	0	0	0	0	1,754
<b>Fund Appropriations/Allocations</b>									
City Light Fund	52	828	851	23	0	0	0	0	1,754
<b>Total*:</b>	52	828	851	23	0	0	0	0	1,754
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		694	951	23	0	0	0	0	1,668
<b>Total:</b>		694	951	23	0	0	0	0	1,668

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit Lynnwood - City Light**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8471	<b>End Date:</b>	Q4/2021
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project supports Sound Transit's Lynnwood Link, which will extend from the Northgate Transit Center at 5th Ave NE & NE 100th Street to our service area boundary at NE 200th Street, near the I-5 Right of Way. This project will include 100 blocks of relocations, a significant fraction of which will convert lines from overhead to underground. The project will install two feeders for each of the light rail line's traction power stations and upgrade the radial system's capacity where needed to serve the new load. The low and medium power service connections for the line's stations will be handled through the existing service projects, ?business as usual.?

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	13	216	1,473	1,549	1,625	1,622	1,068	0	7,566
<b>Total:</b>	13	216	1,473	1,549	1,625	1,622	1,068	0	7,566
<b>Fund Appropriations/Allocations</b>									
City Light Fund	13	216	1,473	1,549	1,625	1,622	1,068	0	7,566
<b>Total*:</b>	13	216	1,473	1,549	1,625	1,622	1,068	0	7,566
<b>Spending Plan by Fund</b>									
City Light Fund		150	1,473	1,549	1,625	1,622	1,068	0	7,487
<b>Total:</b>		150	1,473	1,549	1,625	1,622	1,068	0	7,487

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit Northlink - City Light**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	8427	<b>End Date:</b>	Q4/2017
<b>Location:</b>	University District / Roosevelt / Northgate		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	In more than one Urban Village

The project will manage utility relocations and feeder construction needed for Sound Transit to build the North Link light rail line to Northgate as part of the design and construction agreements made between the City of Seattle and Sound Transit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,170	3,455	957	0	0	0	0	0	7,582
<b>Total:</b>	3,170	3,455	957	0	0	0	0	0	7,582
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,170	3,455	957	0	0	0	0	0	7,582
<b>Total*:</b>	3,170	3,455	957	0	0	0	0	0	7,582
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,487	1,357	0	0	0	0	0	3,844
<b>Total:</b>		2,487	1,357	0	0	0	0	0	3,844

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**South Fork Tolt - DC Battery System & Charge Modernization**

<b>BCL/Program Name:</b>	A3 Power Supply - Cedar Falls - Tolt	<b>BCL/Program Code:</b>	SCL250-A3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	6570	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Outside Seattle City	<b>Urban Village:</b>	Outside Seattle City

This project will replace the existing DC battery system at South Fork Tolt.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	28	24	0	0	0	0	0	52
<b>Total:</b>	0	28	24	0	0	0	0	0	52
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	28	24	0	0	0	0	0	52
<b>Total*:</b>	0	28	24	0	0	0	0	0	52
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		27	24	0	0	0	0	0	51
<b>Total:</b>		27	24	0	0	0	0	0	51

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Special Work Equipment - Generation Plant**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	6102	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Outside the City of Seattle		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides for the purchase of machinery and tools, and special work equipment to be used for operations activities of the Generation Branch, which include all the utility's generating sites, to ensure timely and efficient maintenance of generation facilities. Purchases are based on a five-year plan to ensure updates for technological improvements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	12,614	1,538	929	951	1,429	1,464	1,038	1,063	21,026
<b>Total:</b>	12,614	1,538	929	951	1,429	1,464	1,038	1,063	21,026
<b>Fund Appropriations/Allocations</b>									
City Light Fund	12,614	1,538	929	951	1,429	1,464	1,038	1,063	21,026
<b>Total*:</b>	12,614	1,538	929	951	1,429	1,464	1,038	1,063	21,026
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		994	929	951	1,429	1,464	1,038	1,063	7,868
<b>Total:</b>		994	929	951	1,429	1,464	1,038	1,063	7,868

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Special Work Equipment - Other Plant**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	9102	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides new tools and work equipment to replace old or broken tools for all individual City Light units, except those required at the generation plants or substations, which have their own capital projects for special work equipment. The project ensures that field crews and other employees can accomplish their work assignments. The project supports the Department's goals of safety, productivity and employee morale.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	20,728	1,186	1,077	1,102	1,129	1,156	1,184	1,212	28,774
<b>Total:</b>	20,728	1,186	1,077	1,102	1,129	1,156	1,184	1,212	28,774
<b>Fund Appropriations/Allocations</b>									
City Light Fund	20,728	1,186	1,077	1,102	1,129	1,156	1,184	1,212	28,774
<b>Total*:</b>	20,728	1,186	1,077	1,102	1,129	1,156	1,184	1,212	28,774
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		882	1,077	1,102	1,129	1,156	1,184	1,212	7,742
<b>Total:</b>		882	1,077	1,102	1,129	1,156	1,184	1,212	7,742

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Special Work Equipment - Shops**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8389	<b>End Date:</b>	Q4/2022
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides new tools and work equipment to replace outdated equipment and testing software that is no longer supported. The project updates technical systems to current standards and provides the tools to ensure that City Light transformers are safe and will last up to and beyond the average life span for this equipment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,178	293	300	307	314	322	330	338	3,382
<b>Total:</b>	1,178	293	300	307	314	322	330	338	3,382
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,178	293	300	307	314	322	330	338	3,382
<b>Total*:</b>	1,178	293	300	307	314	322	330	338	3,382
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		214	300	307	314	322	330	338	2,125
<b>Total:</b>		214	300	307	314	322	330	338	2,125

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Special Work Equipment - Tech Metering**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	8485	<b>End Date:</b>	Q4/2023
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This ongoing project provides new work equipment to replace old or broken tools (that cost more than \$5000) for Tech Metering. The project supports the Department's goals of safety, productivity and employee morale.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	205	210	215	220	225	231	1,306
<b>Total:</b>	0	0	205	210	215	220	225	231	1,306
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	205	210	215	220	225	231	1,306
<b>Total*:</b>	0	0	205	210	215	220	225	231	1,306

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**State Route 520 Bridge Relocations**

<b>BCL/Program Name:</b>	D2 External Projects - Transportation Relocations	<b>BCL/Program Code:</b>	SCL370-D2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	8435	<b>End Date:</b>	Q4/2021
<b>Location:</b>	SR 520 / Lake Washington		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project relocates electrical infrastructure to support WSDOT's replacement of the State Route 520 Bridge from Montlake to I-5. This project is projected to be fully reimbursable to SCL from WSDOT.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	598	597	429	236	44	22	0	1,926
<b>Total:</b>	0	598	597	429	236	44	22	0	1,926
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	598	597	429	236	44	22	0	1,926
<b>Total*:</b>	0	598	597	429	236	44	22	0	1,926
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		54	597	429	236	44	22	0	1,382
<b>Total:</b>		54	597	429	236	44	22	0	1,382

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Stormwater Compliance**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9236	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

The new project will fund the installation of lighted canopies and the associated drainage improvements that would be necessary to bring City Light into compliance with the current rules and regulations. As a result of a City wide storm water audit and several surprise inspections from the Department of Ecology, it was discovered that there are several areas where measures are needed to bring City Light's storm water protection program into compliance. Some of our facilities drain directly to Superfund sites and the successful implementation of a compliant storm water system not only reduces our liability in the short term, but it has a direct impact on the amount of funding we may be ordered to provide for the cleanup of current and future Superfund sites. Currently, City Light stores raw materials (gravel, cold mix, backfill material, vegetative matter), salvage material (wire, metal products, electronics, transformers, poles) and warehouse materials (timbers, unfinished metal, galvanized poles) outside, where product can leach into the drainage systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	501	501	501	501	0	0	2,004
<b>Total:</b>	0	0	501	501	501	501	0	0	2,004
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	501	501	501	501	0	0	2,004
<b>Total*:</b>	0	0	501	501	501	501	0	0	2,004

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Streetlight Infrastructure Replacement**

<b>BCL/Program Name:</b>	D1 External Projects - Local Jurisdictions	<b>BCL/Program Code:</b>	SCL370-D1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8460	<b>End Date:</b>	Q4/2023
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project will replace 1,603, or 33 percent, of the highest priority streetlights and related underground infrastructure identified in the Streetlight Horizon Plan over the six-year planning horizon. Streetlight infrastructure that will be replaced includes poles, fixtures, conduits, hand holes, and wiring. Emphasis will be placed on standardization of fixtures, construction materials, and construction methods. This project will provide the engineering resources needed to prioritize replacements, develop estimates, and manage and track construction.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	6,459	5,066	3,098	3,170	3,296	3,966	4,360	4,184	33,599
<b>Total:</b>	6,459	5,066	3,098	3,170	3,296	3,966	4,360	4,184	33,599
<b>Fund Appropriations/Allocations</b>									
City Light Fund	6,459	5,066	3,098	3,170	3,296	3,966	4,360	4,184	33,599
<b>Total*:</b>	6,459	5,066	3,098	3,170	3,296	3,966	4,360	4,184	33,599
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,291	3,098	3,170	3,296	3,966	4,360	4,184	26,365
<b>Total:</b>		4,291	3,098	3,170	3,296	3,966	4,360	4,184	26,365

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Streetlight LED Conversion Program**

<b>BCL/Program Name:</b>	D1 External Projects - Local Jurisdictions	<b>BCL/Program Code:</b>	SCL370-D1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	8441	<b>End Date:</b>	Q4/2023
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project upgrades streetlights with LED fixtures, which will reduce annual energy consumption by 40% (for those lights replaced), provide Greenhouse Gas avoidance of 5,446 metric tons of carbon per year, and reduce maintenance cost of the Utility's streetlight system. With a total system conversion, it is estimated that annual operating costs will be reduced \$3.7 Million per year. The savings in energy and maintenance costs will pay for the initial investment within the life of the new system.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	25,189	8,048	5,799	5,435	6,090	6,993	6,773	6,933	71,260
<b>Total:</b>	25,189	8,048	5,799	5,435	6,090	6,993	6,773	6,933	71,260
<b>Fund Appropriations/Allocations</b>									
City Light Fund	25,189	8,048	5,799	5,435	6,090	6,993	6,773	6,933	71,260
<b>Total*:</b>	25,189	8,048	5,799	5,435	6,090	6,993	6,773	6,933	71,260
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		6,323	5,799	5,435	6,090	6,993	6,773	6,933	44,346
<b>Total:</b>		6,323	5,799	5,435	6,090	6,993	6,773	6,933	44,346

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Streetlights: Arterial, Residential and Floodlights**

<b>BCL/Program Name:</b>	D1 External Projects - Local Jurisdictions	<b>BCL/Program Code:</b>	SCL370-D1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8378	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides street lighting as requested by various taxing jurisdictions and other customers. Streetlights and floodlights are provided in public right of way, and on private property, for either public or private benefit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	24,063	5,041	3,495	3,494	3,756	4,258	4,946	5,067	54,120
<b>Total:</b>	24,063	5,041	3,495	3,494	3,756	4,258	4,946	5,067	54,120
<b>Fund Appropriations/Allocations</b>									
City Light Fund	24,063	5,041	3,495	3,494	3,756	4,258	4,946	5,067	54,120
<b>Total*:</b>	24,063	5,041	3,495	3,494	3,756	4,258	4,946	5,067	54,120
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,744	3,495	3,494	3,756	4,258	4,946	5,067	29,760
<b>Total:</b>		4,744	3,495	3,494	3,756	4,258	4,946	5,067	29,760

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Automation**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	8424	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces and upgrades substation automation systems, including Remote Terminal Units (RTU) and annunciators, in each of City Light's fourteen substations, and upgrades equipment at two substations annually. The project reduces the likelihood and length of system outages due to failure as the current equipment is wearing out and cannot be replaced in kind because the equipment is no longer manufactured. The project also enhances energy efficiency, and reduces the probability of fines from appropriate governing bodies if loss of a substation, due to equipment failure, causes instability of the western interconnection grid and/or loss of load.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	6,057	756	1,390	1,505	1,776	1,804	1,385	1,393	16,066
<b>Total:</b>	6,057	756	1,390	1,505	1,776	1,804	1,385	1,393	16,066
<b>Fund Appropriations/Allocations</b>									
City Light Fund	6,057	756	1,390	1,505	1,776	1,804	1,385	1,393	16,066
<b>Total*:</b>	6,057	756	1,390	1,505	1,776	1,804	1,385	1,393	16,066
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		755	1,390	1,505	1,776	1,804	1,385	1,393	10,008
<b>Total:</b>		755	1,390	1,505	1,776	1,804	1,385	1,393	10,008

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Breaker Replacements and Reliability Additions**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2006
<b>Project ID:</b>	7779	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds the review of City Light's inventory of approximately 400 transmission and distribution voltage circuit breakers. It determines which have the greatest wear, gas or oil leaks, maintenance cost, service stress, and fault interrupting history. It replaces those circuit breakers with the highest failure risk. This project also replaces transformer bank breakers at Union Street substation to support load growth.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	28,442	5,072	6,243	4,854	5,651	5,239	6,098	5,985	67,584
<b>Total:</b>	28,442	5,072	6,243	4,854	5,651	5,239	6,098	5,985	67,584
<b>Fund Appropriations/Allocations</b>									
City Light Fund	28,442	5,072	6,243	4,854	5,651	5,239	6,098	5,985	67,584
<b>Total*:</b>	28,442	5,072	6,243	4,854	5,651	5,239	6,098	5,985	67,584
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,515	6,243	4,854	5,651	5,239	6,098	5,985	38,585
<b>Total:</b>		4,515	6,243	4,854	5,651	5,239	6,098	5,985	38,585

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Capacity Additions**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7751	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project adds new infrastructure to existing substations and systems, adds capacity to existing substations to meet increasing load demands, and enhances safety, reliability, and efficiency in the transmission of power from the substations to the distribution system.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	11,094	2,069	1,864	2,057	2,208	2,511	2,096	2,196	26,095
<b>Total:</b>	11,094	2,069	1,864	2,057	2,208	2,511	2,096	2,196	26,095
<b>Fund Appropriations/Allocations</b>									
City Light Fund	11,094	2,069	1,864	2,057	2,208	2,511	2,096	2,196	26,095
<b>Total*:</b>	11,094	2,069	1,864	2,057	2,208	2,511	2,096	2,196	26,095
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,547	1,864	2,057	2,208	2,511	2,096	2,196	14,479
<b>Total:</b>		1,547	1,864	2,057	2,208	2,511	2,096	2,196	14,479

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Comprehensive Improvements**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	9161	<b>End Date:</b>	Q4/2021
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds substation improvements identified in City Light's Comprehensive Facilities Plan, seismic fitness reports, and periodic inspections targeting transmission and distribution buildings. The project implements items necessary to support assigned personnel, such as lunchroom and locker room facilities required by the union contracts, as well as structural and mechanical corrections and enhancements at substation facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	3,823	270	273	283	266	269	274	0	5,458
<b>Total:</b>	3,823	270	273	283	266	269	274	0	5,458
<b>Fund Appropriations/Allocations</b>									
City Light Fund	3,823	270	273	283	266	269	274	0	5,458
<b>Total*:</b>	3,823	270	273	283	266	269	274	0	5,458
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		292	273	283	266	269	274	0	1,657
<b>Total:</b>		292	273	283	266	269	274	0	1,657

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Equipment Improvements**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7752	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project adds, replaces and upgrades substation equipment, particularly the substation electrical and control equipment. The project maintains or improves system reliability, permits compliance with high voltage and environmental regulations, and ensures safe work sites. The project allows remote control and monitoring of substation equipment from the System Control Center, which facilitates faster response time to correct system instability or outages.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	59,830	5,963	5,310	6,092	6,901	6,915	6,655	6,302	103,968
<b>Total:</b>	59,830	5,963	5,310	6,092	6,901	6,915	6,655	6,302	103,968
<b>Fund Appropriations/Allocations</b>									
City Light Fund	59,830	5,963	5,310	6,092	6,901	6,915	6,655	6,302	103,968
<b>Total*:</b>	59,830	5,963	5,310	6,092	6,901	6,915	6,655	6,302	103,968
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		5,192	5,310	6,092	6,901	6,915	6,655	6,302	43,367
<b>Total:</b>		5,192	5,310	6,092	6,901	6,915	6,655	6,302	43,367

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Plant Improvements**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7750	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project upgrades and retrofits substation buildings, their facilities and systems, and related structures. The project includes environmental improvements, and removal and replacement of outdated utilities and structures. The project provides station security, safe working conditions, and improvements in related services, such as water, sewer, and lighting.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	8,838	1,161	925	946	971	951	1,208	1,539	16,539
<b>Total:</b>	8,838	1,161	925	946	971	951	1,208	1,539	16,539
<b>Fund Appropriations/Allocations</b>									
City Light Fund	8,838	1,161	925	946	971	951	1,208	1,539	16,539
<b>Total*:</b>	8,838	1,161	925	946	971	951	1,208	1,539	16,539
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,077	925	946	971	951	1,208	1,539	7,617
<b>Total:</b>		1,077	925	946	971	951	1,208	1,539	7,617

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substation Transformer Replacements**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	7776	<b>End Date:</b>	Q4/2026
<b>Location:</b>	2136 N 163rd St, Shoreline		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project funds the review of power transformers at substations and determines dissolved gas concentration, insulation aging, oil leaks, maintenance cost, service stress, and fault interrupting history. The project replaces transformers with the highest failure risk, or those presenting substation capacity limits. The project enhances system reliability by replacing aging substation transformers before they fail in service. This project now includes the former projects 7778, Canal Substation - Transformer Replacements, 7810, Massachusetts Street Substation - Transformer Replacements, 7811, East Pine Substation - Transformer Replacements, and 7812, Bothell Substation - Transformer Replacements. They have been merged into this project, 7776, formerly North Substation - Transformer Replacements, to create a program to cover all substation transformers.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	4,149	6,510	402	2,377	2,607	3,658	5,012	4,811	29,526
<b>Total:</b>	4,149	6,510	402	2,377	2,607	3,658	5,012	4,811	29,526
<b>Fund Appropriations/Allocations</b>									
City Light Fund	4,149	6,510	402	2,377	2,607	3,658	5,012	4,811	29,526
<b>Total*:</b>	4,149	6,510	402	2,377	2,607	3,658	5,012	4,811	29,526
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,183	2,253	2,586	2,647	3,658	5,012	4,811	25,150
<b>Total:</b>		4,183	2,253	2,586	2,647	3,658	5,012	4,811	25,150

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substations Demand Driven Improvements**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7755	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project enables City Light to perform cooperative work on shared lines and systems that other electrical utilities in the region periodically ask City Light to do.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5,811	5	6	6	6	6	6	6	5,852
<b>Total:</b>	5,811	5	6	6	6	6	6	6	5,852
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5,811	5	6	6	6	6	6	6	5,852
<b>Total*:</b>	5,811	5	6	6	6	6	6	6	5,852
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		5	6	6	6	6	6	6	41
<b>Total:</b>		5	6	6	6	6	6	6	41

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Substations Oil Containment**

<b>BCL/Program Name:</b>	C1 Distribution - Substations	<b>BCL/Program Code:</b>	SCL360-C1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	7783	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project will bring City Light's Power Substations into compliance with the federal Clean Water Act. By federal law, owners or operators of oil containing equipment, such as our substation transformers, must provide facilities that will prevent spilled oil from reaching any streams or open bodies of water.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	10	280	337	344	339	346	227	602	2,485
<b>Total:</b>	10	280	337	344	339	346	227	602	2,485
<b>Fund Appropriations/Allocations</b>									
City Light Fund	10	280	337	344	339	346	227	602	2,485
<b>Total*:</b>	10	280	337	344	339	346	227	602	2,485
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		208	337	344	339	346	227	602	2,403
<b>Total:</b>		208	337	344	339	346	227	602	2,403

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Technical Training Center Development**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	9230	<b>End Date:</b>	Q4/2019
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

Seattle City Light is seeking to develop a dedicated, state-of-art Technical Training Center that provides educational needs for classroom instruction and field experience training opportunities for entry-level as well as seasoned Utility service workers of SCL. The chosen site for the Technical Training Center is on an undeveloped parcel of land, west of the Duwamish River and north of the Duwamish Substation, located at 10,000 West Marginal Place South, Tukwila, WA 98108 in unincorporated King County. The classroom building, a single story, wood-framed structure, houses a number of instructional classrooms, hands-or learning environments and building support areas. The overall building's square footage is 9,000 SF and the overall training yard area is 5.75 acres. The design program focuses on flexible, hands-on instructional environments in both the Classroom Building and the Yard. These spaces include: three flexible Classrooms, Computer Lab, Bug Room, Substation Training Area, Vault Training Area, Overhead & Underground Distribution Area, Commercial & Residential Service Area, Pole Climbing Area, Crane Training Area, Commercial License Certification Area and Civil Construction Training Area. There are several shared building support spaces required which include: Administration Office, Break Room, Kitchen, Copy Room and Restrooms.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	1,847	11,309	725	484	122	0	0	0	14,487
<b>Total:</b>	1,847	11,309	725	484	122	0	0	0	14,487
<b>Fund Appropriations/Allocations</b>									
City Light Fund	1,847	11,309	725	484	122	0	0	0	14,487
<b>Total*:</b>	1,847	11,309	725	484	122	0	0	0	14,487
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		179	8,917	1,865	643	0	0	0	11,604
<b>Total:</b>		179	8,917	1,865	643	0	0	0	11,604

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Tool Room Automation**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	9965	<b>End Date:</b>	Q4/2017
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the purchase and implementation of a software solution to improve accountability of the tool room budget and tracking of tools. The project will provide electronic means of tracking tool inventory, age and condition of tools, tool check out and return, and costs to maintain them. It will also include process redesign and a complete inventory audit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	989	232	0	0	0	0	0	1,221
<b>Total:</b>	0	989	232	0	0	0	0	0	1,221
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	989	232	0	0	0	0	0	1,221
<b>Total*:</b>	0	989	232	0	0	0	0	0	1,221
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		386	398	0	0	0	0	0	784
<b>Total:</b>		386	398	0	0	0	0	0	784

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission & Generation Radio Systems**

<b>BCL/Program Name:</b>	C5 Distribution - Distribution Other	<b>BCL/Program Code:</b>	SCL360-C5
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9108	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project builds or replaces communications infrastructure consisting of fiber optic rings, digital microwave, telephone networks, and two-way radio systems. This project provides City Light with command and control capabilities for the operation of the electrical system. This project ensures the safe, reliable, and efficient operation of the system and positions City Light to meet the Federal Energy Regulatory Commission's vital communications systems requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	15,005	294	1,223	1,347	752	947	991	1,006	21,565
<b>Total:</b>	15,005	294	1,223	1,347	752	947	991	1,006	21,565
<b>Fund Appropriations/Allocations</b>									
City Light Fund	15,005	294	1,223	1,347	752	947	991	1,006	21,565
<b>Total*:</b>	15,005	294	1,223	1,347	752	947	991	1,006	21,565
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		548	1,223	1,347	752	947	991	1,006	6,814
<b>Total:</b>		548	1,223	1,347	752	947	991	1,006	6,814

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Capacity**

<b>BCL/Program Name:</b>	B1 Transmission - Transmission	<b>BCL/Program Code:</b>	SCL360-B1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	7011	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project upgrades transmission lines, builds new lines, relocates lines, and provides for other system needs related to the transmission system. The project enhances City Light's transmission capacity, which is the available power capacity to meet the load on the transmission system.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	10,822	2,060	32	24	25	25	11	22	13,021
<b>Total:</b>	10,822	2,060	32	24	25	25	11	22	13,021
<b>Fund Appropriations/Allocations</b>									
City Light Fund	10,822	2,060	32	24	25	25	11	22	13,021
<b>Total*:</b>	10,822	2,060	32	24	25	25	11	22	13,021
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,333	32	24	25	25	11	22	1,472
<b>Total:</b>		1,333	32	24	25	25	11	22	1,472

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Inter-Agency**

<b>BCL/Program Name:</b>	B1 Transmission - Transmission	<b>BCL/Program Code:</b>	SCL360-B1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7105	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides demand-driven improvements to City Light's transmission system, including reimbursable transmission work and relocations of transmission equipment to meet customer, other utility, agency, and regulatory requirements. It permits Seattle City Light to meet its duties to relocate facilities at the request of other agencies.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,208	665	591	603	617	627	638	605	6,554
<b>Total:</b>	2,208	665	591	603	617	627	638	605	6,554
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,208	665	591	603	617	627	638	605	6,554
<b>Total*:</b>	2,208	665	591	603	617	627	638	605	6,554
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		835	591	603	617	627	638	605	4,516
<b>Total:</b>		835	591	603	617	627	638	605	4,516

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Line Inductor Installation**

<b>BCL/Program Name:</b>	B1 Transmission - Transmission	<b>BCL/Program Code:</b>	SCL360-B1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8461	<b>End Date:</b>	Q4/2019
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project addresses the issue of increased electric transmission congestion load growth in the Puget Sound Area. The project funds the installation of inductors or phase shifting transformers which curtail the flow of power through the Seattle area, while improving customer and asset strengths and maintaining reliability.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,824	8,298	1,429	6,522	1,583	0	0	0	20,656
<b>Total:</b>	2,824	8,298	1,429	6,522	1,583	0	0	0	20,656
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,824	8,298	1,429	6,522	1,583	0	0	0	20,656
<b>Total*:</b>	2,824	8,298	1,429	6,522	1,583	0	0	0	20,656
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,584	6,541	6,522	1,583	0	0	0	17,230
<b>Total:</b>		2,584	6,541	6,522	1,583	0	0	0	17,230

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Line Reconductoring**

<b>BCL/Program Name:</b>	B1 Transmission - Transmission	<b>BCL/Program Code:</b>	SCL360-B1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8462	<b>End Date:</b>	Q4/2018
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project addresses the issue of increased electric transmission congestion load growth in the Puget Sound Area by increasing the capacity of the Bothell-SnoKing double circuit 230kv line to meet area reliability requirements. The project funds the re-conductoring of both the Bothell-SnoKing double circuit 230kV line and the Delridge-Duwamish 230kV line to increase capacity and meet regional reliability requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	303	7,607	129	229	0	0	0	0	8,268
<b>Total:</b>	303	7,607	129	229	0	0	0	0	8,268
<b>Fund Appropriations/Allocations</b>									
City Light Fund	303	7,607	129	229	0	0	0	0	8,268
<b>Total*:</b>	303	7,607	129	229	0	0	0	0	8,268
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		527	3,029	1,629	0	0	0	0	5,185
<b>Total:</b>		527	3,029	1,629	0	0	0	0	5,185

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Reliability**

<b>BCL/Program Name:</b>	B1 Transmission - Transmission	<b>BCL/Program Code:</b>	SCL360-B1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	7104	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces the worst one percent of City Light's transmission structures and conductors each year. This project also provides engineering, construction, and related work; improving and maintaining the reliability of the overhead or underground transmission system.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	20,598	4,071	3,106	3,169	3,239	3,306	2,879	3,936	44,304
<b>Total:</b>	20,598	4,071	3,106	3,169	3,239	3,306	2,879	3,936	44,304
<b>Fund Appropriations/Allocations</b>									
City Light Fund	20,598	4,071	3,106	3,169	3,239	3,306	2,879	3,936	44,304
<b>Total*:</b>	20,598	4,071	3,106	3,169	3,239	3,306	2,879	3,936	44,304
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,261	3,106	3,169	3,239	3,306	2,879	3,936	23,896
<b>Total:</b>		4,261	3,106	3,169	3,239	3,306	2,879	3,936	23,896

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transportation Streetlights**

<b>BCL/Program Name:</b>	D1 External Projects - Local Jurisdictions	<b>BCL/Program Code:</b>	SCL370-D1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	8377	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project relocates Seattle City Light owned streetlights as required by City of Seattle transportation projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	10,792	2,740	4,407	4,225	3,999	4,010	4,092	7,104	41,369
<b>Total:</b>	10,792	2,740	4,407	4,225	3,999	4,010	4,092	7,104	41,369
<b>Fund Appropriations/Allocations</b>									
City Light Fund	10,792	2,740	4,407	4,225	3,999	4,010	4,092	7,104	41,369
<b>Total*:</b>	10,792	2,740	4,407	4,225	3,999	4,010	4,092	7,104	41,369
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,618	4,407	4,225	3,999	4,010	4,092	7,104	30,455
<b>Total:</b>		2,618	4,407	4,225	3,999	4,010	4,092	7,104	30,455

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Underground 26kV Conversion**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8362	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces the 4 kV electrical equipment remaining in the electrical distribution system with new, efficient and reliable 26 kV distribution equipment. This project increases capacity to deliver power to City Light customers, rebuilds and maintains the backbone of the system, saves energy by reducing transformer and line losses, improves quality and reliability of service to customers, and releases unit substation properties for better neighborhood uses.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5,489	2,533	1,677	2,028	2,522	2,550	2,775	4,159	23,733
<b>Total:</b>	5,489	2,533	1,677	2,028	2,522	2,550	2,775	4,159	23,733
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5,489	2,533	1,677	2,028	2,522	2,550	2,775	4,159	23,733
<b>Total*:</b>	5,489	2,533	1,677	2,028	2,522	2,550	2,775	4,159	23,733
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		1,315	1,677	2,028	2,522	2,550	2,775	4,159	17,026
<b>Total:</b>		1,315	1,677	2,028	2,522	2,550	2,775	4,159	17,026

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Underground Customer Driven Capacity Additions**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8360	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides electrical lines from substations to customers' property lines. This project builds new and replaces old underground line segments, and may replace rotten and damaged poles in the distribution system that have underground facilities beneath them. This work is driven by specific customer projects, for their direct benefit, to identify and upgrade feeders that are impacted before the new load from those projects comes online. City Light is reimbursed by the customers for this work.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	28,119	2,949	2,200	2,237	2,403	2,292	2,298	3,687	46,185
<b>Total:</b>	28,119	2,949	2,200	2,237	2,403	2,292	2,298	3,687	46,185
<b>Fund Appropriations/Allocations</b>									
City Light Fund	28,119	2,949	2,200	2,237	2,403	2,292	2,298	3,687	46,185
<b>Total*:</b>	28,119	2,949	2,200	2,237	2,403	2,292	2,298	3,687	46,185
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		4,352	2,200	2,237	2,403	2,292	2,298	3,687	19,469
<b>Total:</b>		4,352	2,200	2,237	2,403	2,292	2,298	3,687	19,469

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Underground Equipment Replacements**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	8353	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project replaces and improves underground electrical system equipment that is failing or approaching the end of its useful life. This project enhances distribution system reliability, avoiding unplanned outages or interruption of service due to equipment failure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	32,476	12,728	11,156	10,367	10,519	8,695	14,963	16,947	117,851
<b>Total:</b>	32,476	12,728	11,156	10,367	10,519	8,695	14,963	16,947	117,851
<b>Fund Appropriations/Allocations</b>									
City Light Fund	32,476	12,728	11,156	10,367	10,519	8,695	14,963	16,947	117,851
<b>Total*:</b>	32,476	12,728	11,156	10,367	10,519	8,695	14,963	16,947	117,851
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		11,728	12,056	10,367	10,519	8,695	14,963	16,947	85,275
<b>Total:</b>		11,728	12,056	10,367	10,519	8,695	14,963	16,947	85,275

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Underground Outage Replacements**

<b>BCL/Program Name:</b>	C4 Distribution - Service Connections	<b>BCL/Program Code:</b>	SCL370-C4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8352	<b>End Date:</b>	Q4/2023
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project supports the capitalized portion of work resulting from unplanned, non-emergency, underground outages. These outages result from events, such as storms, accidents, and equipment failures. The project funds permanent storm repairs, and construction of new infrastructure to bypass failing equipment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	18,619	1,126	1,165	1,184	1,535	1,978	2,012	1,672	29,291
<b>Total:</b>	18,619	1,126	1,165	1,184	1,535	1,978	2,012	1,672	29,291
<b>Fund Appropriations/Allocations</b>									
City Light Fund	18,619	1,126	1,165	1,184	1,535	1,978	2,012	1,672	29,291
<b>Total*:</b>	18,619	1,126	1,165	1,184	1,535	1,978	2,012	1,672	29,291
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		435	1,165	1,184	1,535	1,978	2,012	1,672	9,981
<b>Total:</b>		435	1,165	1,184	1,535	1,978	2,012	1,672	9,981

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Underground System Capacity Additions**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	8361	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides electrical lines from substations to customers' property lines. This project builds new and replaces old underground lines, and may replace rotten and damaged poles in the distribution system with underground facilities beneath them. This work identifies and upgrades the feeders that are impacted by increased loads, as needed, before those load increases come online. City Light customers pay for a portion of this work.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	30,839	3,451	2,904	2,954	3,027	2,453	4,375	4,353	54,356
<b>Total:</b>	30,839	3,451	2,904	2,954	3,027	2,453	4,375	4,353	54,356
<b>Fund Appropriations/Allocations</b>									
City Light Fund	30,839	3,451	2,904	2,954	3,027	2,453	4,375	4,353	54,356
<b>Total*:</b>	30,839	3,451	2,904	2,954	3,027	2,453	4,375	4,353	54,356
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,350	2,904	2,954	3,027	2,453	4,375	4,353	22,416
<b>Total:</b>		2,350	2,904	2,954	3,027	2,453	4,375	4,353	22,416

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Union Street Substation Networks**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	8201	<b>End Date:</b>	Q4/2026
<b>Location:</b>	1312 Western AV		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project increases the Union Street Substation network capacity to provide sufficient and reliable electrical capacity for the growing power needs of our customers. It funds a programmatic approach for the comprehensive management of underground network assets serving customers in the area bounded by Yesler Street, Alaskan Way, Pike Street, 6th Avenue Union Street, the Freeway, University Street, 3rd Avenue, and the Waterfront area from Denny to Yesler.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	27,512	2,415	2,540	2,590	2,636	2,753	2,986	3,041	46,473
<b>Total:</b>	27,512	2,415	2,540	2,590	2,636	2,753	2,986	3,041	46,473
<b>Fund Appropriations/Allocations</b>									
City Light Fund	27,512	2,415	2,540	2,590	2,636	2,753	2,986	3,041	46,473
<b>Total*:</b>	27,512	2,415	2,540	2,590	2,636	2,753	2,986	3,041	46,473
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		2,059	2,540	2,590	2,636	2,753	2,986	3,041	18,605
<b>Total:</b>		2,059	2,540	2,590	2,636	2,753	2,986	3,041	18,605

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**University Substation - Network**

<b>BCL/Program Name:</b>	C2 Distribution - Network	<b>BCL/Program Code:</b>	SCL360-C2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	8464	<b>End Date:</b>	Q4/2023
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This ongoing project funds a programmatic approach for comprehensive management of underground network assets serving customers in the University area. This project funds annual work required, such as feeder balancing, engineering analysis to determine system feeder assignments for new services, and replacement of cables that fail while in service. It reduces the probability of cable failures and long costly customer outages.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	2,771	457	383	390	396	482	497	505	5,881
<b>Total:</b>	2,771	457	383	390	396	482	497	505	5,881
<b>Fund Appropriations/Allocations</b>									
City Light Fund	2,771	457	383	390	396	482	497	505	5,881
<b>Total*:</b>	2,771	457	383	390	396	482	497	505	5,881
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		382	383	390	396	482	497	505	3,035
<b>Total:</b>		382	383	390	396	482	497	505	3,035

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Vista Switch Automation**

<b>BCL/Program Name:</b>	C3 Distribution - Radial	<b>BCL/Program Code:</b>	SCL360-C3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2018
<b>Project ID:</b>	8483	<b>End Date:</b>	Q4/2022
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

This project funds the installation and maintenance of supervisory controls and System Control Center communication infrastructure upgrades for existing Vista Switches, which will increase safety measures for crew that work on distribution Vista switches. Updating vista switches for Supervisory Control and Data Acquisition (SCADA) remote control or distributor automation will allow operating switches remotely and eliminate the cost of dispatching a crew to perform work.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	0	401	801	801	801	801	3,605
<b>Total:</b>	0	0	0	401	801	801	801	801	3,605
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	0	401	801	801	801	801	3,605
<b>Total*:</b>	0	0	0	401	801	801	801	801	3,605

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Western Energy Imbalance Market**

<b>BCL/Program Name:</b>	A4 Power Supply - Power Supply Other	<b>BCL/Program Code:</b>	SCL250-A4
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	9976	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in Neighborhood Plan	<b>Council District:</b>	
<b>Neighborhood District:</b>		<b>Urban Village:</b>	

The new project will provide funding to allow City Light to participate in the Western energy imbalance market (EIM) run by the California Independent System Operator (CAISO). City Light will need IT systems, an implementation agreement with CAISO, possible additional staff and training to participate in the market. Participation will allow City Light to more efficiently use generation and transmission assets, buy and sell energy in shorter term increments, and use pricing to match loads and resources across more buyers and sellers than existing markets currently permit. By doing this, City Light will more effectively integrate renewable energy across the West due to its flexible hydro capacity. City Light is planning to begin participating in the market in the spring of 2018.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	0	0	3,470	5,548	0	0	0	0	9,018
<b>Total:</b>	0	0	3,470	5,548	0	0	0	0	9,018
<b>Fund Appropriations/Allocations</b>									
City Light Fund	0	0	3,470	5,548	0	0	0	0	9,018
<b>Total*:</b>	0	0	3,470	5,548	0	0	0	0	9,018

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Workplace and Process Improvement**

<b>BCL/Program Name:</b>	E3 Central Utility Projects - Fleets and Facilities	<b>BCL/Program Code:</b>	SCL250-E3
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/1999
<b>Project ID:</b>	9159	<b>End Date:</b>	Q4/2026
<b>Location:</b>	System Wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds alterations that preserve workplace efficiency. The project focuses on adapting exterior work spaces and interior building elements to support business process improvements for occupant work groups. Interior systems improvements could include flooring replacements, interior remodeling, computer network cabling upgrades, uninterruptible power systems and computer flooring. Exterior system improvements could include fencing, security systems, paving and striping, and exterior building components.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
City Light Fund Revenues	5,002	1,573	2,362	1,338	2,076	1,954	2,309	2,343	18,957
<b>Total:</b>	5,002	1,573	2,362	1,338	2,076	1,954	2,309	2,343	18,957
<b>Fund Appropriations/Allocations</b>									
City Light Fund	5,002	1,573	2,362	1,338	2,076	1,954	2,309	2,343	18,957
<b>Total*:</b>	5,002	1,573	2,362	1,338	2,076	1,954	2,309	2,343	18,957
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
City Light Fund		941	2,362	1,338	2,076	1,954	2,309	2,343	13,323
<b>Total:</b>		941	2,362	1,338	2,076	1,954	2,309	2,343	13,323

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

# **Seattle Public Utilities**

## **Drainage and Wastewater**

## SPU – Drainage and Wastewater

### Overview

Seattle Public Utilities (SPU) maintains the network of sewer and drainage systems throughout the City of Seattle. These systems include approximately:

- 448 miles of sanitary sewers
- 968 miles of combined sewers
- 68 Pump Stations
- 5.5 miles of wastewater force mains
- 87 City-owned and permitted Combined Sewer Overflow points
- 38 Combined Sewer Overflow control detention tanks/pipes
- 477 miles of storm drains / 295 storm drain outfalls
- 36,500 catch basins
- 65 miles of ditches, 121 miles of culverts
- 3.7 miles of green stormwater infrastructure
- 12 detention/treatment ponds
- 145 flow control facilities
- 189 water quality structures

The Drainage and Wastewater (DWF) CIP is the vehicle for rehabilitating, replacing, improving, and expanding this infrastructure, as well as constructing projects that protect, conserve, and enhance our region's environmental resources. Planned spending in the DWF CIP is approximately \$1.07 billion over the next six years, from 2017 to 2022.

### CIP Revenue Sources

Historically, the DWF CIP has been funded primarily by revenue bonds serviced by ratepayers. However, DWF financial policies adopted in 2003 gradually increase cash contributions from SPU to fund the CIP. By 2007, 25% of total CIP costs were funded by a cash contribution, with the remaining capital needs being debt financed.

SPU's DWF CIP is funded largely by Drainage and Sewer ratepayers. SPU issues bonds, serviced by ratepayers that cover approximately 75% of the CIP, with the remainder funded by cash. DWF rates were approved by the Executive and City Council in 2015 for the three-year period of 2016-2018.

SPU also actively seeks grants and low-interest loans. Loans like this offer a lower interest rate than what SPU can borrow/issue debt and offset the need to draw down extra dollars from the construction fund. SPU also receives Remedial Action Grants from the Washington State Department of Ecology for up to 50% of sediments cleanup project costs.

## SPU – Drainage and Wastewater

### CIP Highlights

#### 2017-2022 Proposed Drainage and Wastewater Fund CIP by BCL (In '000s; total may not sum due to rounding)

BCL	2017	2018	2019	2020	2021	2022	Total
Protection of Beneficial Uses	9,897	10,284	17,532	13,204	13,506	15,450	<b>79,874</b>
Sediments	6,855	6,553	7,337	8,757	6,182	15,712	<b>51,396</b>
Combined Sewer Overflows	37,291	39,483	61,451	93,062	90,572	74,343	<b>396,202</b>
Rehabilitation and Heavy Equipment	29,775	36,603	31,567	31,242	30,030	29,000	<b>188,218</b>
Flooding, Sewer Backups, and Landslides	18,646	32,179	21,372	24,353	22,158	51,604	<b>170,311</b>
Shared Cost Projects	23,446	33,005	49,181	17,676	14,356	8,201	<b>145,866</b>
Technology	11,185	6,161	4,255	3,908	4,298	4,298	<b>34,104</b>
<b>Total</b>	<b>137,095</b>	<b>164,267</b>	<b>192,697</b>	<b>192,202</b>	<b>181,102</b>	<b>198,607</b>	<b>1,065,970</b>

**Protection of Beneficial Uses:** This program makes improvements to the City’s drainage system to reduce the harmful effects of stormwater runoff on creeks and receiving water bodies by improving water quality and protecting or enhancing creek habitat. The program includes projects to meet regulatory requirements. Funding in the DWF CIP is focused on cost effective stormwater and water quality projects such as the Venema Creek Natural Drainage System (NDS), NDS Partnering Projects (a key component of Seattle’s Plan to Protect Seattle’s Waterways), Capitol Hill Water Quality project, and the Taylor Creek Culvert Replacement project.

**Sediments:** The City of Seattle is a Potentially Responsible Party (PRP) for cleanup liabilities for contaminated sediments at the Lower Duwamish Waterway Superfund Site, the Harbor Island Superfund Site, and Gas Works Park because of alleged contributions from Combined Sewer Overflows (CSO) and storm drain discharges. The City continues to work with EPA, the Washington State Department of Ecology, King County, and other PRPs on an assessment of contaminants and sources. The Sediments program provides funding for preliminary studies and analysis for cleanup of contaminated sediment sites in which the City is a participant, for actual cleanup of contaminated sites, for preliminary engineering for future cleanup efforts, and for liability allocation negotiations. The study phase of sediment remediation projects often requires multiple years before specific cleanup actions are defined. Current projections reflect actual cleanup on the Duwamish Waterway beginning in 2020.

**Combined Sewer Overflows:** This program consists of projects that are mandated by State and Federal regulations to control CSOs into the City’s receiving waters. Projects include large infrastructure projects (e.g., storage structures, pipes, tunnels, wet weather treatment plants,

## SPU – Drainage and Wastewater

stormwater separation, pump stations), smaller retrofits, construction of Green Stormwater Infrastructure (GSI) for CSO control, and development and implementation of regulatory required plans such as the Plan to Protect Seattle's Waterways. Key projects in the DWF CIP include the Henderson CSO projects and the Ship Canal Water Quality Project. In 2014, SPU began work on two of the projects in the Long Term Control Plan (LTCP), the largest of which is to construct tunnel storage along the Ship Canal. Planning work is underway and will continue through the coming years to review potential sites and perform initial geotechnical investigations. This work is starting early in order to meet CSO Consent Decree compliance date requirements, which are described later in this section. Negotiations have not been completed, but current estimates have King County paying for 35% of the project cost.

**Rehabilitation:** This program consists of projects that rehabilitate or replace existing drainage and wastewater assets to maintain or improve the current functionality level of the system.

Assets that are addressed include:

- Pump station structures, major mechanical and electrical components, and force mains;
- Drainage and wastewater control structures and appurtenances;
- Drainage and wastewater pipes.

Individual projects are defined by the type and method of rehabilitation and/or replacement and include emergency rehabilitation, maintenance and no-dig pipe rehabilitation, point sewer pipe and structure rehabilitation by crews, and point sewer pipe and structure rehabilitation by contract.

The SPU Strategic Business Plan includes a large action plan to increase the amount of rehabilitation done in the city. This will allow SPU to evaluate and fund additional rehabilitation work on gravity sewer pipes and facilities (control structures, pump stations, and outfalls) and significantly reduce the risk of exceeding the Consent Decree target of four sanitary sewer overflows per 100 miles of sewer pipe.

**Flooding, Sewer Back-up, and Landslides:** This program is responsible for preventing and alleviating flooding and sewer backups in the City of Seattle, with a primary focus on the protection of public health, safety, and property. The program area is focused on planning, design, and construction of pipes, ditches, culverts, detention ponds, and natural drainage systems that control and/or convey storm runoff to receiving bodies. This program also involves protecting SPU drainage and wastewater infrastructure from landslides and providing drainage improvements where surface water generated from the City right-of way is contributing to landslides. Finally, this program includes sewer capacity projects that reduce the risk of exceeding the Consent Decree target of four sanitary sewer overflows per 100 miles of sewer pipe. Major projects in this program include the Broadview Long Term Plan and the South Park Water Quality and Pump Station project, both of which are action plans in the SPU Strategic Business Plan. South Park Water Quality Facility is also a regulatory commitment within the Plan to Protect Seattle's Waterways.

**Shared Cost Projects:** This program includes individual capital improvement projects which typically benefit multiple Lines of Business (LOB) (e.g., the Water LOB and the Drainage and Wastewater LOB) and whose costs are "shared," or paid for by more than one of SPU's utility funds.

In 2017 and 2018, the proposed budget for the Shared Cost program includes funding for a number of interdepartmental projects including the Alaskan Way Viaduct and Seawall Replacement, Move Seattle, and Sound Transit Link Light Rail. Funding is also included for

## SPU – Drainage and Wastewater

SPU's Heavy Equipment Purchases, the Integrated Control Monitoring Program, SPU Operational Facility Improvements, and a number of smaller projects.

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

- Customer Contact and Billing
- Enterprise Information Management
- IT Infrastructure
- Project Delivery & Performance
- Science & System Performance
- Asset Information Management

Investments in 2017 address several of SPU's key initiatives, including:

- Financial Management and Internal Controls
- Operational Excellence and Performance Management
- Easy, engaged Customer Experience
- Data-driven Decision Support
- Project Delivery/Project Controls

SPU will focus 2017 technology spending on the highest priority business needs, primarily within the Customer Contact and Billing and Project Delivery and Performance program areas.

Changes in the New Customer Information System (NCIS) project schedule are driving the increased cost estimates for 2017 within the Customer Contact and Billing program area. Anticipated costs for SPU's portion of the Summit Re-Implementation project as well as the significant expenditure to integrate SPU financial side-systems are driving increased costs within the Project Delivery and Performance program area. Other planned projects deferred from 2015 and 2016 are driving higher costs in the Tech CIP for 2017. Examples include the Science Information Management System (SIMS) 2.0 Reimplementation, Drainage and Wastewater Environmental Compliance Investigations, and the CMOM Program Applications Upgrades.

### Thematic Priorities

The goal of the DWF CIP is to construct facilities that reduce the frequency of flooding and sewer backups for customers and improve water quality and habitat in the environment by reducing sewage overflows and the impacts of stormwater pollution. Projects in the DWF CIP are guided by various Federal regulations, City policies, long-term plan documents, and the SPU Asset Management Committee (AMC) benefit criteria. Many DWF CIP projects are outlined in the Wastewater System Plan, the Comprehensive Drainage Plan, and the Plan to Protect Seattle's Waterways. The DWF primarily considers three main criteria when prioritizing work: public health and safety, environmental protection/regulatory requirements, and Mayor/Council priorities. Project timing can be influenced by opportunities or requirements to combine construction activity with other projects.

- Public Health and Safety: The overriding priority for the DWF is maintaining public health and safety. This will be accomplished through capital programs and projects including the 14<sup>th</sup> and Concord Combined Sewer System (CSS) Improvement project, the

## SPU – Drainage and Wastewater

Localized Flood Control Program, the Broadview Sanitary Sewer Overflow (SSO) reduction program and the South Park Pump Station project. The sewer and drainage rehabilitation program is another key aspect of achieving our public health and safety goals. The program is focused on identifying and correcting defective or deteriorating infrastructure, including drainage and wastewater pipes, before failure which could result in sewer backups, roadway collapses or landslides.

- Environmental Protection/Regulatory Requirements: The City of Seattle/SPU must meet State and Federal regulatory requirements in order to comply with the Clean Water Act (CWA) and the Consent Decree that was entered in court on July 3, 2013, between the City, the U.S. Environmental Protection Agency (EPA), and the U.S. Department of Justice (DOJ). The two most significant regulatory drivers associated with the CWA are the National Pollutant Discharge Elimination System (NPDES) Waste Discharge Permit (aka NPDES CSO Permit) and the NPDES Phase I Municipal Stormwater Permit (aka NPDES MS4 Permit).
- Mayor/Council Priorities: Projects in the DWF CIP that address Mayor and/or Council priorities include projects and programs that help achieve the Green Stormwater Infrastructure (GSI) Strategy target to manage 400MG of stormwater annually with GSI by 2020. Projects that will help achieve this goal include the Capitol Hill Water Quality Facility and the Natural Drainage Systems (NDS) Partnering program which will use GSI to reduce stormwater pollution in creeks and to improve neighborhoods.
  - The Capitol Hill Water Quality project will result in an innovative regional scale stormwater facility. The facility will include vegetated bioswales, which will provide stormwater treatment for a portion of the largest sub-basin draining to South Lake Union while providing a vibrant pedestrian-friendly streetscape. This project will be constructed in partnership with an adjacent land development and includes new sidewalks and road surfaces.
  - The NDS Partnering Program will build natural drainage systems along approximately 66 blocks (330' block equivalents) in the Longfellow, Thornton, and Pipers Creek watersheds. The systems will include curb cuts and landscaped shallow depressions with associated structures (weirs, clean outs, etc.) in the planting strip area between back-of-curb or pavement edge and the sidewalk or walkway area. The NDS facilities will intercept, slow, and clean polluted roadway runoff before it reaches the creek. The program will partner other City programs such as SPU's localized flooding program, SDOT's sidewalk and Neighborhood Greenways programs, and OPCD's neighborhood planning efforts to identify opportunities for synergy with existing City capital plans and community-identified neighborhood improvement goals. Projects that will achieve co-benefits such as traffic calming or flood prevention will be prioritized. All projects will include protection of existing mature street trees, optimizing new street tree planting, and equitable community engagement to solicit block nominations, particularly from RSJ communities. Some sub-set of built projects may also include a new sidewalk and new ADA infrastructure such as new curb ramps, as required by site-specific needs.

## SPU – Drainage and Wastewater

### Project Selection Criteria

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

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

Priority rankings are based on the following set of criteria:

- **Regulatory Mandates, Legal Agreements:** The degree to which the project is driven by Federal, State, and local laws, permit and regulatory requirements, and consent decrees; as well as by legal agreements with public and private parties. Examples of highly ranked projects in this category include the Ship Canal Water Quality Project, Henderson CSO, and CSO Retrofits.
- **External Drivers:** SPU's responsiveness to, or engagement with, the projects of other Departments or Jurisdictions, and the specific mandates of the City Council and Mayor. Examples of highly ranked projects in this category include the Alaskan Way Viaduct and Move Seattle projects.
- **Infrastructure:** How a project addresses infrastructure conditions or vulnerabilities. Examples of highly ranked projects in this category include the Pipe Rehabilitation and Pump Station improvement programs.
- **Level of Service:** The importance of this project in providing or improving services to customers. Examples of highly ranked projects in this category include the South Park Pump Station, Localized Flood Control program, Sanitary Sewer Overflow Capacity program, and the Pipe Rehabilitation program.
- **Other Factors:** Other important factors include high net present value or cost-effectiveness, social or environmental benefits not otherwise captured, a project already in progress or near completion, limited time opportunity, demonstration projects, community visibility, and outside funding. An example of a highly ranked project in this category is the Capital Hill Water Quality Project.

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

## SPU – Drainage and Wastewater

### Summary of Upcoming Budget Issues and Challenges

The biggest challenge for DWF will be continuing to manage large priority projects while still accomplishing Mayoral priorities and complying with regulatory requirements from the EPA, Washington State Department of Ecology (DOE), and NPDES permits - all within the financial limitations of the Fund.

The City negotiated a Consent Decree between the City, the EPA, and the DOJ for compliance with the CWA and State regulations. The Consent Decree was entered in court on July 3, 2013, and includes deadlines for development and implementation of the LTCP and will drive spending in the CSO Reduction Program over the next several years. The Consent Decree also includes requirements to implement a Capacity Management, Operations and Maintenance (CMOM) Program, which drives operations and maintenance spending and CIP spending in the Rehabilitation Program. Additionally, an NPDES permit for stormwater was renewed by the State in 2013. This permit includes requirements to help protect local waterways and the Puget Sound from damaging pollutants and excessive runoff. This increased regulatory emphasis on protecting and improving water quality has resulted in the need for the City to make substantial investments in detention, water quality treatment (e.g., GSI), CSO retrofits, pipe and pump station rehabilitation, and inflow/infiltration reduction.

- Detention: This focuses on storing stormwater and/or sewage during a rainfall event and can be accomplished through detention ponds (for stormwater), GSI (for stormwater) or underground tanks (for both wastewater and stormwater). Detention can be added to the drainage system to offset the impacts of larger storms that overwhelm the conveyance capacity of the combined sewer system and can result in backups of sewage, localized flooding and releases of untreated sewage.
- Water Quality Treatment: This focuses on removing pollutants and can be accomplished through GSI or the use of technology such as specialized media filters. GSI is the use of green solutions to help reduce overflows by allowing stormwater to infiltrate slowly into the ground and cutting the volume of stormwater entering the system. GSI includes specific treatments that rely on specialized soils and plants that provide flow control and/or water quality benefits. The use of GSI is required through Seattle's NPDES permit and Stormwater Code.
- CSO Retrofits: This focuses on optimizing the existing collection, pumping and storage systems, using low-cost repairs and modifications to reduce overflows to waterways.
- Pipe and Pump Station Rehabilitation: This consists of repairing, rehabilitating, or replacing existing gravity sewer pipes, wastewater pump stations, and/or force mains that have deficiencies or have reached the end of their useful life.
- Inflow/Infiltration Reduction: This focuses on filling in cracks in sewer lines that allow groundwater to enter the system. It also addresses parts of the system where there are direct stormwater connections to the sanitary sewer system which can/should be directed to a separated stormwater system. By reducing inflow/infiltration, it is possible to reduce the frequency and volume of SSOs and sewer backups.

DWF CIP funding is also needed to improve the existing drainage system so that residents experience less flooding and fewer sewage backups. Sewer backups are prohibited and considered by our regulators to be a violation of our State permits and Federal Consent Decree.

## SPU – Drainage and Wastewater

Through prudent investment in capital projects and maintenance, SPU will be closer to meeting this standard. This performance level benefits ratepayers by avoiding costly fines and damages.

The CSO Reduction Program constitutes one of the major investments and challenges for the DWF in upcoming years. During heavy rainfall events, the combination of stormwater (about 90% of the volume) and sewage may exceed the capacity of the CSS and overflow into our waterways – causing a combined sewer overflow. CSOs spill a mixture of raw sewage and stormwater into local waterways at 90 outfalls throughout the city. These spills violate water quality standards, create unacceptable risk to public health, contaminate sediment and habitat for endangered species and pollute the Puget Sound.

Annual CSOs have been reduced from 20-30 billion gallons per year by both the City and the County in 1970 to about 1 billion gallons per year, today. The City's overflows account for 100-200 million gallons per year. SPU currently does not meet regulatory mandates that limit CSOs to one untreated overflow per outfall location per year. SPU is required by State and Federal law to achieve control of CSOs by 2025 through the LTCP. The LTCP, also called the Plan to Protect Seattle's Waterways was approved by regulators in May of 2015. Ultimately the Consent Decree requires completion of construction of all CSO reduction projects by December 2025. CSOs must be proven to be controlled, one year after completion of construction. Continuing investments in CSO control will enable SPU to achieve compliance with the 2025 milestone.

While cost estimating is dependent on many factors, SPU currently expects to spend approximately \$396 million over the next six years on CSO reduction projects. The projects will include a combination of underground storage tanks, GSI, system retrofits, and the development of a long-range plan for CSO projects to be constructed from 2017-2025. One of the biggest challenges of the program is finding sites for wastewater facilities in a dense urban environment. SPU is addressing that challenge through an early and active community/stakeholder involvement process on each of its projects. Another challenge revolves around SPU's relationship with King County and maintaining an active partnership to operate the wastewater system and plan for potential joint CSO reduction projects.

Another challenge for the DWF is ensuring that basic service level programs, such as flooding and system capacity, continue to receive necessary investments as regulatory requirements continue to grow. The separated drainage and wastewater system is at capacity during storm events at various locations across the city. The impacts can range from very serious (basement sewer back-ups) to nuisance (limited street or yard flooding) issues. SPU is moving forward to address the highest priority locations with capital improvements using available funding and staff resources. These highest priority projects include the South Park Pump Station project, and Broadview Sewer and Stormwater Improvements project.

- The South Park Pump Station Project: This project will construct a pump station and water quality facility in South Park. The pump station will allow the existing storm drain trunk to meet the level of service adopted in the 2004 Comprehensive Drainage Plan. This allows for future projects to expand the collection system to address flooding complaints. The water quality facility will treat most stormwater flows from the basin, reducing pollutant loading to the Duwamish River. The project's engineering design is complicated by the tidal flows present in the Duwamish. The South Park Pump Station will be integral to the South Park Water Quality Facility, which is a regulatory commitment within the Plan to Protect Seattle's Waterways.
- Broadview Sewer and Stormwater Improvements Project: The Broadview neighborhood has experienced a long history of capacity-related backups and overflows. This project

## **SPU – Drainage and Wastewater**

will test non-traditional solutions to these longstanding issues, with a goal of reducing sewer backups and stormwater flooding in the Broadview basin.

When making investments in capital facilities that will last decades, it makes financial sense to understand and consider incorporating the potential impacts of climate change on local precipitation and sea levels in the Puget Sound. Major storms in 2006, 2007, 2010, 2012, and 2014 have resulted in serious drainage and wastewater impacts related to capacity. Scientists indicate that there is a potential that storms will become more intense and more frequent in the near future. This variability requires the utility to have a much more in-depth understanding of how the system functions under different weather conditions. SPU will need to forecast impacts to the stormwater and combined systems on a much more localized level. This type of work will require more fully developed system models than in the past.

### **Future Projects/What is on the Horizon**

Over the next 10 years the DWF CIP will be driven largely by regulatory requirements, major transportation projects such as AWV replacement and Move Seattle, and Operations Crew Facilities. Major projects include the completion of the Ship Canal Water Quality Project, sediment remediation, and other CSO projects necessary under the LTCP/Plan to Protect Seattle's Waterways, which include SSO reduction and localized flooding reduction in Broadview, and flood reduction and water quality improvements in South Park.

## SPU-Drainage & Wastewater

### Project Summary

BCL/Program Name/ Project Title & ID	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
<b>Protection of Beneficial Uses</b>									<b>C333B</b>
Best Management Practice Program (C3313)	16	0	0	0	0	0	0	0	16
Creek Culvert Replacement Program (C3314)	2,609	1,463	2,811	3,063	4,454	1,020	3,000	6,000	24,419
GSI for Protection of Beneficial Uses (C3316)	16,064	2,737	6,077	6,221	11,579	8,184	7,506	9,350	67,717
Protection of Beneficial Uses Program (C3317)	7,158	420	1,000	1,000	1,500	4,000	3,000	100	18,178
Street Sweeping for Water Quality (C3363)	311	200	10	0	0	0	0	0	521
<b>Protection of Beneficial Uses</b>	26,158	4,820	9,897	10,284	17,532	13,204	13,506	15,450	110,852
<b>Sediments</b>									<b>C350B</b>
Sediment Remediation - DWF (C3503)	28,219	4,963	6,855	6,553	7,337	8,757	6,182	15,712	84,578
<b>Sediments</b>	28,219	4,963	6,855	6,553	7,337	8,757	6,182	15,712	84,578
<b>Combined Sewer Overflows</b>									<b>C360B</b>
Combined Sewer Overflow Facility Retrofit (C3611)	32,793	5,096	7,033	11,360	2,460	2,400	4,400	10,000	75,542
Future CSO Projects (C3612)	0	0	0	1,356	1,356	2,542	7,145	11,486	23,884
Green Stormwater Infrastructure Program (C3610)	13,228	6,936	2,600	2,125	1,750	1,650	1,000	1,000	30,289
Long Term Control Plan (C3604)	38,099	1,282	500	250	0	0	0	0	40,131
S Genesee Combined Sewer Overflow (C3608)	42,487	2,564	0	0	0	0	0	0	45,051
S Henderson Combined Sewer Overflow Storage (C3609)	37,786	26,448	5,340	590	0	0	0	0	70,164
Ship Canal Water Quality Project (C3614)	20,102	17,690	21,732	23,803	55,886	86,470	78,027	51,856	355,567
Windermere Combined Sewer Overflow Storage (C3605)	50,012	162	86	0	0	0	0	0	50,260
<b>Combined Sewer Overflows</b>	234,507	60,177	37,291	39,483	61,451	93,062	90,572	74,343	690,886
<b>Rehabilitation</b>									<b>C370B</b>
Outfall Rehabilitation Program (C3708)	2,140	2,325	1,550	1,600	2,100	1,500	1,500	1,500	14,215
Pipe Renewal Program (C3710)	13,114	13,520	22,800	23,603	20,019	22,500	22,500	22,500	160,555
Pump Station and Force Main Improvements (C3703)	13,033	4,074	5,425	11,400	9,449	7,242	6,030	5,000	61,653
<b>Rehabilitation</b>	28,287	19,919	29,775	36,603	31,567	31,242	30,030	29,000	236,423

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Project Summary

BCL/Program Name/ Project Title & ID	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total	
<b>Flooding, Sewer Back-up, and Landslides</b>		<b>BCL/Program Code:</b>							<b>C380B</b>	
Broadview Long Term Plan (C3812)	4,565	3,122	4,348	8,579	9,200	3,300	2,610	11,800	47,524	
Densmore Basin Drainage Improvements (C3803)	7,587	128	0	0	0	0	0	0	7,715	
Localized Flood Control Program (C3802)	15,227	2,678	1,996	2,067	2,916	1,766	4,120	17,020	47,789	
Madison Valley Long Term Solution (C3805)	37,597	454	0	0	0	0	0	0	38,051	
Meadowbrook Pond Sediment Management (C3808)	4,025	0	0	0	0	0	0	0	4,025	
Sanitary Sewer Overflow Capacity (C3804)	4,539	4,766	7,035	11,139	6,020	5,000	5,000	22,000	65,499	
South Park Pump Station (C3806)	8,478	2,897	5,267	10,394	3,236	14,287	10,428	784	55,771	
Thornton Confluence Improvement (C3811)	8,087	50	0	0	0	0	0	0	8,137	
<b>Flooding, Sewer Back-up, and Landslides</b>	<b>90,105</b>	<b>14,094</b>	<b>18,646</b>	<b>32,179</b>	<b>21,372</b>	<b>24,353</b>	<b>22,158</b>	<b>51,604</b>	<b>274,510</b>	
<b>Shared Cost Projects</b>		<b>BCL/Program Code:</b>							<b>C410B</b>	
1% for the Arts - DWF (C4118-DWF)	4,173	947	625	890	988	1,008	930	1,050	10,610	
Alaskan Way Viaduct & Seawall Replacement Program - DWF (C4102-DWF)	18,804	7,313	7,321	4,853	10,506	1,161	178	15	50,152	
Bridging the Gap - DWF (C4119-DWF)	184	127	1,551	1,496	883	1,976	1,993	672	8,883	
Emergency Storms - DWF (C4120-DWF)	1	135	100	100	100	100	0	0	536	
First Hill Streetcar - DWF (C4130-DWF)	139	446	502	4,888	3,868	0	0	0	9,843	
Heavy Equipment Purchases - DWF (C4116-DWF)	15,833	4,032	2,310	2,500	2,600	2,400	2,000	2,220	33,895	
Integrated Control Monitoring Program - DWF (C4108-DWF)	13,903	575	250	250	250	250	0	0	15,478	
Mercer Corridor Project East Phase - DWF (C4114-DWF)	6,290	0	0	0	0	0	0	0	6,290	
Mercer Corridor Project West Phase - DWF (C4133-DWF)	1,371	317	0	0	0	0	0	0	1,688	
Meter Replacement - DWF (C4101-DWF)	5,826	637	552	554	561	567	481	491	9,669	
Operational Facility - Construction - DWF (C4106-DWF)	3,516	9,630	9,510	16,575	28,438	9,987	8,478	3,086	89,220	
Operational Facility - Other - DWF (C4115-DWF)	261	293	0	0	0	0	0	0	554	

*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Project Summary

<b>BCL/Program Name/</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Operations Control Center - DWF (C4105-DWF)	623	28	182	56	0	0	185	555	1,629
Other Major Transportation Projects - DWF (C4123-DWF)	954	300	175	600	750	55	0	0	2,834
Security Improvements - DWF (C4113-DWF)	349	128	109	113	147	113	113	113	1,182
Sound Transit - North Link - DWF (C4135-DWF)	114	359	155	79	65	58	0	0	830
Sound Transit University Link - DWF (C4110-DWF)	339	51	0	0	0	0	0	0	390
Sound Transit-East Link (C4122-DWF)	13	20	105	50	25	0	0	0	213
Yesler Terrace-DWF (C4136-DWF)	2,800	0	0	0	0	0	0	0	2,800
<b>Shared Cost Projects</b>	<b>75,493</b>	<b>25,336</b>	<b>23,446</b>	<b>33,005</b>	<b>49,181</b>	<b>17,676</b>	<b>14,356</b>	<b>8,201</b>	<b>246,695</b>
<b>Technology</b>							<b>BCL/Program Code:</b>		<b>C510B</b>
Asset Information Management (C5407)	134	1,223	764	924	974	1,028	860	860	6,766
Customer Contact & Billing (C5402)	11,196	5,041	3,037	942	678	1,025	430	430	22,779
Enterprise Information Management (C5403)	3,346	2,418	402	290	858	199	860	860	9,233
IT Infrastructure (C5404)	3,284	1,309	330	566	504	750	729	729	8,199
Project Delivery & Performance (C5405)	4,022	5,873	5,584	3,299	743	406	731	731	21,388
Science & System Performance (C5406)	3,060	618	1,069	141	500	500	688	688	7,264
<b>Technology</b>	<b>25,042</b>	<b>16,483</b>	<b>11,185</b>	<b>6,161</b>	<b>4,255</b>	<b>3,908</b>	<b>4,298</b>	<b>4,298</b>	<b>75,629</b>
<b>Department Total*:</b>	<b>507,811</b>	<b>145,791</b>	<b>137,095</b>	<b>164,267</b>	<b>192,697</b>	<b>192,202</b>	<b>181,102</b>	<b>198,607</b>	<b>1,719,572</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
Drainage and Wastewater Fund (44010)	507,811	145,791	137,095	164,267	192,697	192,202	181,102	198,607	1,719,572
<b>Department Total*:</b>	507,811	145,791	137,095	164,267	192,697	192,202	181,102	198,607	1,719,572

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

## SPU-Drainage & Wastewater

### 1% for the Arts - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	C4118-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	4,173	947	625	890	988	1,008	930	1,050	10,610
<b>Total:</b>	4,173	947	625	890	988	1,008	930	1,050	10,610
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	4,173	947	625	890	988	1,008	930	1,050	10,610
<b>Total*:</b>	4,173	947	625	890	988	1,008	930	1,050	10,610
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		689	483	735	625	446	423	712	4,114
<b>Total:</b>		689	483	735	625	446	423	712	4,114

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Alaskan Way Viaduct & Seawall Replacement Program - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	C4102-DWF	<b>End Date:</b>	Q4/2021
<b>Location:</b>	SR 99 / Battery St		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	18,804	7,313	7,321	4,853	10,506	1,161	178	15	50,152
<b>Total:</b>	18,804	7,313	7,321	4,853	10,506	1,161	178	15	50,152
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	18,804	7,313	7,321	4,853	10,506	1,161	178	15	50,152
<b>Total*:</b>	18,804	7,313	7,321	4,853	10,506	1,161	178	15	50,152
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		6,861	7,321	4,853	10,506	1,161	178	15	30,896
<b>Total:</b>		6,861	7,321	4,853	10,506	1,161	178	15	30,896

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### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Best Management Practice Program

<b>BCL/Program Name:</b>	Protection of Beneficial Uses	<b>BCL/Program Code:</b>	C333B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2000
<b>Project ID:</b>	C3313	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides high priority water quality improvement projects in the Norfolk, South Park, and Densmore drainage basins. Incorporating Best Management Practices (BMP), projects are identified, developed, and implemented. The results will be improved quality of stormwater runoff from City-owned storm drains, discharged to nearby receiving water bodies such as streams and lakes.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	16	0	0	0	0	0	0	0	16
<b>Total:</b>	16	0	0	0	0	0	0	0	16
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	16	0	0	0	0	0	0	0	16
<b>Total*:</b>	16	0	0	0	0	0	0	0	16
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		6	0	0	0	0	0	0	6
<b>Total:</b>		6	0	0	0	0	0	0	6

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Bridging the Gap - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	C4119-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	184	127	1,551	1,496	883	1,976	1,993	672	8,883
<b>Total:</b>	184	127	1,551	1,496	883	1,976	1,993	672	8,883
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	184	127	1,551	1,496	883	1,976	1,993	672	8,883
<b>Total*:</b>	184	127	1,551	1,496	883	1,976	1,993	672	8,883
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		1,028	1,551	1,496	883	1,976	1,993	672	9,600
<b>Total:</b>		1,028	1,551	1,496	883	1,976	1,993	672	9,600

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### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Broadview Long Term Plan

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C3812	<b>End Date:</b>	ONGOING
<b>Location:</b>	Broadview		
<b>Neighborhood Plan:</b>	Broadview-Bitter Lake-Haller Lake	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Not in an Urban Village

This ongoing program will develop and implement a plan with the goal of restoring sanitary sewer system capacity. Portions of the Broadview neighborhood suffer from significant capacity limitations of the sanitary sewer resulting in numerous sewer backups into residences during wet weather events upon which the City has paid numerous claims dating to at least 1996. It is thought that this results from a combination of infiltration and inflow into the sanitary sewer system during wet weather.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	4,565	3,122	4,348	8,579	9,200	3,300	2,610	11,800	47,524
<b>Total:</b>	4,565	3,122	4,348	8,579	9,200	3,300	2,610	11,800	47,524
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	4,565	3,122	4,348	8,579	9,200	3,300	2,610	11,800	47,524
<b>Total*:</b>	4,565	3,122	4,348	8,579	9,200	3,300	2,610	11,800	47,524
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		1,327	4,348	8,579	9,200	3,300	2,610	11,800	41,163
<b>Total:</b>		1,327	4,348	8,579	9,200	3,300	2,610	11,800	41,163

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### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Combined Sewer Overflow Facility Retrofit

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	C3611	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	32,793	5,096	7,033	11,360	2,460	2,400	4,400	10,000	75,542
<b>Total:</b>	32,793	5,096	7,033	11,360	2,460	2,400	4,400	10,000	75,542
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	32,793	5,096	7,033	11,360	2,460	2,400	4,400	10,000	75,542
<b>Total*:</b>	32,793	5,096	7,033	11,360	2,460	2,400	4,400	10,000	75,542
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		6,363	7,033	11,360	2,460	2,400	4,400	10,000	44,015
<b>Total:</b>		6,363	7,033	11,360	2,460	2,400	4,400	10,000	44,015

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### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Creek Culvert Replacement Program

<b>BCL/Program Name:</b>	Protection of Beneficial Uses	<b>BCL/Program Code:</b>	C333B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C3314	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides for the repair and replacement of stream culverts that are part of SPU's critical drainage infrastructure. Culverts will be repaired or replaced based on risks and benefits of the project, including flooding, risk of failure, operations and maintenance needs and benefits and importance for addressing fish passage. Replacements and significant repairs will be addressed as part of this capital project, while retrofits will be covered within the Operations and Maintenance budget.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	2,609	1,463	2,811	3,063	4,454	1,020	3,000	6,000	24,419
<b>Total:</b>	2,609	1,463	2,811	3,063	4,454	1,020	3,000	6,000	24,419
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	2,609	1,463	2,811	3,063	4,454	1,020	3,000	6,000	24,419
<b>Total*:</b>	2,609	1,463	2,811	3,063	4,454	1,020	3,000	6,000	24,419
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		1,108	2,811	3,063	4,454	1,020	3,000	6,000	21,455
<b>Total:</b>		1,108	2,811	3,063	4,454	1,020	3,000	6,000	21,455

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Densmore Basin Drainage Improvements

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	C3803	<b>End Date:</b>	Q2/2014
<b>Location:</b>	Densmore Basin	<b>Council District:</b>	5
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Urban Village:</b>	Bitter Lake Village
<b>Neighborhood District:</b>	Northwest		

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	7,587	128	0	0	0	0	0	0	7,715
<b>Total:</b>	7,587	128	0	0	0	0	0	0	7,715
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	7,587	128	0	0	0	0	0	0	7,715
<b>Total*:</b>	7,587	128	0	0	0	0	0	0	7,715
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Emergency Storms - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q3/2007
<b>Project ID:</b>	C4120-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds Drainage & Wastewater infrastructure capital improvement projects resulting from previous and possible future storm events. These projects are potentially Federal Emergency Management Agency (FEMA) reimbursable and need to be separated out for tracking and reimbursement purposes. Typical improvements include, but are not limited to, repairing and mitigating landslides, restoring detention ponds, and replacing culverts and detention walls. All projects resulting from previous storms events have been completed. This project will now serve as a placeholder for any future storm events.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	1	135	100	100	100	100	0	0	536
<b>Total:</b>	1	135	100	100	100	100	0	0	536
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	1	135	100	100	100	100	0	0	536
<b>Total*:</b>	1	135	100	100	100	100	0	0	536
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		100	100	100	100	100	0	0	500
<b>Total:</b>		100	100	100	100	100	0	0	500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### First Hill Streetcar - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	C4130-DWF	<b>End Date:</b>	Q4/2018
<b>Location:</b>	First Hill		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project plans and relocates drainage and wastewater facilities that will be impacted by the SDOT-led First Hill Streetcar project, which will connect major employment centers on First Hill to the regional light rail system stations on Capitol Hill and in the International District. Currently this project is in the planning phase and no specific capitalizable betterments have been identified for the 2014-2019 timeframe but if they are, necessary funding will be requested.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	139	446	502	4,888	3,868	0	0	0	9,843
<b>Total:</b>	139	446	502	4,888	3,868	0	0	0	9,843
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	139	446	502	4,888	3,868	0	0	0	9,843
<b>Total*:</b>	139	446	502	4,888	3,868	0	0	0	9,843
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		883	502	4,888	3,868	0	0	0	10,141
<b>Total:</b>		883	502	4,888	3,868	0	0	0	10,141

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Future CSO Projects

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	C3612	<b>End Date:</b>	Q4/2025
<b>Location:</b>	N/A		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project is for future combined sewer overflow (CSO) reduction projects that will be identified through the CSO Long-Term Control Plan (LTCP). Future projects are most likely to include underground storage projects, wastewater lift station improvements, and/or wastewater conveyance system improvements. Planning for the projects began in 2015, and the projects should complete their construction by 2025.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	0	0	0	1,356	1,356	2,542	7,145	11,486	23,884
<b>Total:</b>	0	0	0	1,356	1,356	2,542	7,145	11,486	23,884
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	0	0	0	1,356	1,356	2,542	7,145	11,486	23,884
<b>Total*:</b>	0	0	0	1,356	1,356	2,542	7,145	11,486	23,884
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Green Stormwater Infrastructure Program

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	C3610	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program provides construction of Green Stormwater Infrastructure (GSI) as a component of combined sewer overflow (CSO) reduction within the uncontrolled CSO basins. Work includes roadside bioretention and the RainWise program. RainWise provides financial incentives to private property owners within our uncontrolled CSO basins for construction of properly sized and installed raingardens or cisterns. The program supports the City's current regulatory strategy for compliance with CSO National Pollutant Discharge Elimination System (NPDES) permit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	13,228	6,936	2,600	2,125	1,750	1,650	1,000	1,000	30,289
<b>Total:</b>	13,228	6,936	2,600	2,125	1,750	1,650	1,000	1,000	30,289
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	13,228	6,936	2,600	2,125	1,750	1,650	1,000	1,000	30,289
<b>Total*:</b>	13,228	6,936	2,600	2,125	1,750	1,650	1,000	1,000	30,289
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		8,027	2,600	2,125	1,750	1,650	1,000	1,000	18,152
<b>Total:</b>		8,027	2,600	2,125	1,750	1,650	1,000	1,000	18,152

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### GSI for Protection of Beneficial Uses

<b>BCL/Program Name:</b>	Protection of Beneficial Uses	<b>BCL/Program Code:</b>	C333B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C3316	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program provides construction of Green Stormwater Infrastructure (GSI) within the separated stormwater system. Work includes right-of-way retrofits with bioretention and/or biofiltration for water quality treatment and flow control, as well as potential expansion of private property incentives for construction of properly sized and installed rain gardens or cisterns (RainWise program) into creek watersheds. The Natural Drainage Systems Projects within this program will achieve the water quality goals for the NDS Partnering Program identified in Seattle’s Plan to Protect Seattle’s Waterways (the Long Term Control Plan requirement within our Consent Decree) while coordinating with SDOT and community groups to deliver co-benefits such as sidewalks.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	16,064	2,737	6,077	6,221	11,579	8,184	7,506	9,350	67,717
<b>Total:</b>	16,064	2,737	6,077	6,221	11,579	8,184	7,506	9,350	67,717
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	16,064	2,737	6,077	6,221	11,579	8,184	7,506	9,350	67,717
<b>Total*:</b>	16,064	2,737	6,077	6,221	11,579	8,184	7,506	9,350	67,717
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		1,837	6,077	6,221	11,579	8,184	7,506	9,350	50,754
<b>Total:</b>		1,837	6,077	6,221	11,579	8,184	7,506	9,350	50,754

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Heavy Equipment Purchases - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C4116-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides SPU's Drainage and Wastewater Utility crews with new and replacement heavy equipment that is used throughout Seattle. Typical purchases include vactors, backhoes, loaders, service trucks, "TV" trucks and dump trucks, as well as retrofitting existing equipment to meet SPU operational needs and initiatives. This equipment transports work crews and tools to jobsites and supports the safe and efficient replacement, repair, and maintenance of Seattle's Drainage and Wastewater system. This project is one of three SPU fund-specific heavy equipment CIP projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	15,833	4,032	2,310	2,500	2,600	2,400	2,000	2,220	33,895
<b>Total:</b>	15,833	4,032	2,310	2,500	2,600	2,400	2,000	2,220	33,895
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	15,833	4,032	2,310	2,500	2,600	2,400	2,000	2,220	33,895
<b>Total*:</b>	15,833	4,032	2,310	2,500	2,600	2,400	2,000	2,220	33,895
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		2,628	2,310	2,500	2,600	2,400	2,000	2,220	16,658
<b>Total:</b>		2,628	2,310	2,500	2,600	2,400	2,000	2,220	16,658

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Integrated Control Monitoring Program - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	C4108-DWF	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project funds improvements to the centralized monitoring and control of the drainage and wastewater portion of the overall Supervisory Control and Data Acquisition (SCADA) system infrastructure throughout Seattle. Infrastructure affected may include, but is not limited to, pipes related to potential combined sewer overflows, rain gauges, and wastewater pump stations. This project enhances and protects the quality and condition of lakes and streams, and addresses the Environmental Protection Agency's (EPA) National Pollutant Discharge Elimination System (NPDES) permit requirements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	13,903	575	250	250	250	250	0	0	15,478
<b>Total:</b>	13,903	575	250	250	250	250	0	0	15,478
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	13,903	575	250	250	250	250	0	0	15,478
<b>Total*:</b>	13,903	575	250	250	250	250	0	0	15,478
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		0	250	250	250	250	0	0	1,000
<b>Total:</b>		0	250	250	250	250	0	0	1,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Localized Flood Control Program

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C3802	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Bitter Lake Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	15,227	2,678	1,996	2,067	2,916	1,766	4,120	17,020	47,789
<b>Total:</b>	15,227	2,678	1,996	2,067	2,916	1,766	4,120	17,020	47,789
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	15,227	2,678	1,996	2,067	2,916	1,766	4,120	17,020	47,789
<b>Total*:</b>	15,227	2,678	1,996	2,067	2,916	1,766	4,120	17,020	47,789
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		3,592	1,996	2,067	2,916	1,766	4,120	17,020	33,477
<b>Total:</b>		3,592	1,996	2,067	2,916	1,766	4,120	17,020	33,477

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# SPU-Drainage & Wastewater

## Long Term Control Plan

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q3/2008
<b>Project ID:</b>	C3604	<b>End Date:</b>	Q4/2030
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project creates a Long Term Control Plan (LTCP) in accordance with SPU's Combined Sewer Overflow (CSO) National Pollutant Discharge Elimination System (NPDES) permit and the Federal CSO Control Policy. On May 1, 2012, the Environmental Protection Agency/Department of Justice issued a draft Consent Decree to the City of Seattle which requires the development and submission of a Long-Term Control Plan for approval by May 30, 2015. It further stipulates that all CSO Control Measures are to be constructed as expeditiously as practicable, and in no event later than December 31, 2025. The Consent Decree also allows the City to propose storm water control project(s) as part of an Integrated Plan, in addition to the CSO Control Measures. If approved, the storm water projects can be constructed first and the CSO Control Measures deferred beyond the December 2025 due date. The LTCP will reduce the number and volume of its CSO overflows, meet receiving water quality standards, and protect designated beneficial uses. The LTCP includes, flow characterization, monitoring, and hydraulic modeling; development CSO control alternatives; development of control alternatives that takes into consideration costs and performance; operational plan revisions; public participation; implementation schedule; and post-construction monitoring. The project also includes a projectmatic SEPA EIS (Note: includes the Alaskan Way Viaduct & Seawall project C4102). The Plan and EIS was submitted to EPA/ Washington State Department of Ecology for approval in 2015 and included all City of Seattle CSO basins except existing CSO Projects at Windermere, Genesee, Henderson and Central Waterfront (except as noted).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	38,099	1,282	500	250	0	0	0	0	40,131
<b>Total:</b>	38,099	1,282	500	250	0	0	0	0	40,131
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	38,099	1,282	500	250	0	0	0	0	40,131
<b>Total*:</b>	38,099	1,282	500	250	0	0	0	0	40,131
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		120	500	250	0	0	0	0	870
<b>Total:</b>		120	500	250	0	0	0	0	870

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

# SPU-Drainage & Wastewater

## Madison Valley Long Term Solution

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C3805	<b>End Date:</b>	Q2/2015
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Central	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	37,597	454	0	0	0	0	0	0	38,051
<b>Total:</b>	37,597	454	0	0	0	0	0	0	38,051
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	37,597	454	0	0	0	0	0	0	38,051
<b>Total*:</b>	37,597	454	0	0	0	0	0	0	38,051
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		2	0	0	0	0	0	0	2
<b>Total:</b>		2	0	0	0	0	0	0	2

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Meadowbrook Pond Sediment Management

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	C3808	<b>End Date:</b>	Q3/2015
<b>Location:</b>	35th AVE NE/NE 105th ST/NE 110th ST		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

The project provides for dredging of sediment in Meadowbrook Pond and modifying existing structures to improve functionality of the facility. These tasks will improve the maintenance operations and the cost efficiency and management of Meadowbrook Pond by reducing flow volume, sediments, and contaminants; capturing sediments more efficiently to improve maintenance and worker safety; improving dredging methods; developing definitive maintenance triggers; modifying structures to manage debris, improving flood control; expanding bypass capacity; and increasing water quality in the pond and downstream.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	4,025	0	0	0	0	0	0	0	4,025
<b>Total:</b>	4,025	0	0	0	0	0	0	0	4,025
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	4,025	0	0	0	0	0	0	0	4,025
<b>Total*:</b>	4,025	0	0	0	0	0	0	0	4,025
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Mercer Corridor Project East Phase - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C4114-DWF	<b>End Date:</b>	Q3/2016
<b>Location:</b>	South Lake Union		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This project funds the repair, relocation, protection, and upgrade of drainage and wastewater infrastructure related to the redevelopment of the South Lake Union neighborhood. project work includes, but is not limited to, flow modeling and development of green roofs. This effort identifies SPU drainage and wastewater system direct impacts, opportunities for system improvements, and cost responsibility. This project also funds planning-level coordination with other city departments on projects within the South Lake Union area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	6,290	0	0	0	0	0	0	0	6,290
<b>Total:</b>	6,290	0	0	0	0	0	0	0	6,290
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	6,290	0	0	0	0	0	0	0	6,290
<b>Total*:</b>	6,290	0	0	0	0	0	0	0	6,290
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		1	0	0	0	0	0	0	1
<b>Total:</b>		1	0	0	0	0	0	0	1

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Mercer Corridor Project West Phase - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	C4133-DWF	<b>End Date:</b>	Q4/2016
<b>Location:</b>	Mercer St Mercer St/Elliot Ave W/Dexter Ave N		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	1,371	317	0	0	0	0	0	0	1,688
<b>Total:</b>	1,371	317	0	0	0	0	0	0	1,688
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	1,371	317	0	0	0	0	0	0	1,688
<b>Total*:</b>	1,371	317	0	0	0	0	0	0	1,688
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		3	0	0	0	0	0	0	3
<b>Total:</b>		3	0	0	0	0	0	0	3

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Meter Replacement - DWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	5,826	637	552	554	561	567	481	491	9,669
<b>Total:</b>	5,826	637	552	554	561	567	481	491	9,669
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	5,826	637	552	554	561	567	481	491	9,669
<b>Total*:</b>	5,826	637	552	554	561	567	481	491	9,669
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		483	552	554	561	567	481	491	3,690
<b>Total:</b>		483	552	554	561	567	481	491	3,690

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Operational Facility - Construction - DWF

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

This ongoing facilities project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	3,516	9,630	9,510	16,575	28,438	9,987	8,478	3,086	89,220
<b>Total:</b>	3,516	9,630	9,510	16,575	28,438	9,987	8,478	3,086	89,220
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	3,516	9,630	9,510	16,575	28,438	9,987	8,478	3,086	89,220
<b>Total*:</b>	3,516	9,630	9,510	16,575	28,438	9,987	8,478	3,086	89,220
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		16,350	9,510	16,575	28,438	9,987	8,478	3,086	92,423
<b>Total:</b>		16,350	9,510	16,575	28,438	9,987	8,478	3,086	92,423

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Operational Facility - Other - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2006
<b>Project ID:</b>	C4115-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing facilities project provides funding to purchase, replace, or install new building materials or building equipment within the city limits to address deficiencies, failures, and functional changes in the SPU Lines of Business. Typical improvements include, but are not limited to, drainage systems, prefabricated buildings, storage buildings, and fencing.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	261	293	0	0	0	0	0	0	554
<b>Total:</b>	261	293	0	0	0	0	0	0	554
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	261	293	0	0	0	0	0	0	554
<b>Total*:</b>	261	293	0	0	0	0	0	0	554
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		29	0	0	0	0	0	0	29
<b>Total:</b>		29	0	0	0	0	0	0	29

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Operations Control Center - DWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	623	28	182	56	0	0	185	555	1,629
<b>Total:</b>	623	28	182	56	0	0	185	555	1,629
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	623	28	182	56	0	0	185	555	1,629
<b>Total*:</b>	623	28	182	56	0	0	185	555	1,629
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		32	182	56	0	0	185	555	1,010
<b>Total:</b>		32	182	56	0	0	185	555	1,010

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Other Major Transportation Projects - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q2/2008
<b>Project ID:</b>	C4123-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	954	300	175	600	750	55	0	0	2,834
<b>Total:</b>	954	300	175	600	750	55	0	0	2,834
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	954	300	175	600	750	55	0	0	2,834
<b>Total*:</b>	954	300	175	600	750	55	0	0	2,834
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		312	175	600	750	55	0	0	1,892
<b>Total:</b>		312	175	600	750	55	0	0	1,892

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Outfall Rehabilitation Program

<b>BCL/Program Name:</b>	Rehabilitation	<b>BCL/Program Code:</b>	C370B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q4/2010
<b>Project ID:</b>	C3708	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides rehabilitation of outfalls throughout Seattle Public Utilities service area. Typical improvements may include, but are not limited to, repair, rehabilitation or replacement of outfall structures. This project will investigate the condition of each of the outfalls and complete an options analysis, followed by design, construction, and closeout activities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	2,140	2,325	1,550	1,600	2,100	1,500	1,500	1,500	14,215
<b>Total:</b>	2,140	2,325	1,550	1,600	2,100	1,500	1,500	1,500	14,215
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	2,140	2,325	1,550	1,600	2,100	1,500	1,500	1,500	14,215
<b>Total*:</b>	2,140	2,325	1,550	1,600	2,100	1,500	1,500	1,500	14,215
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		639	1,550	1,600	2,100	1,500	1,500	1,500	10,389
<b>Total:</b>		639	1,550	1,600	2,100	1,500	1,500	1,500	10,389

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Pipe Renewal Program

<b>BCL/Program Name:</b>	Rehabilitation	<b>BCL/Program Code:</b>	C370B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C3710	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project includes SPU operates and maintains approximately 1,400 miles of wastewater conveyance (combined and separated) pipe. The age of this infrastructure varies; however, significant portions of the system were constructed prior to 1950. This ongoing project completes projects to repair, replace, rehabilitate and renew the collection system by various contracting and construction methods.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	13,114	13,520	22,800	23,603	20,019	22,500	22,500	22,500	160,555
<b>Total:</b>	13,114	13,520	22,800	23,603	20,019	22,500	22,500	22,500	160,555
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	13,114	13,520	22,800	23,603	20,019	22,500	22,500	22,500	160,555
<b>Total*:</b>	13,114	13,520	22,800	23,603	20,019	22,500	22,500	22,500	160,555
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		17,344	22,800	23,603	20,019	22,500	22,500	22,500	151,265
<b>Total:</b>		17,344	22,800	23,603	20,019	22,500	22,500	22,500	151,265

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Protection of Beneficial Uses Program

<b>BCL/Program Name:</b>	Protection of Beneficial Uses	<b>BCL/Program Code:</b>	C333B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C3317	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project develops drainage related projects to improve the water quality, stream function and habitat in the streams and receiving waters of Seattle. Projects include stream and habitat restoration to reduce flooding, culvert repair and replacements to protect public safety, capital purchases to support street sweeping and green stormwater infrastructure projects to address flooding and control and clean runoff to streams.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	7,158	420	1,000	1,000	1,500	4,000	3,000	100	18,178
<b>Total:</b>	7,158	420	1,000	1,000	1,500	4,000	3,000	100	18,178
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	7,158	420	1,000	1,000	1,500	4,000	3,000	100	18,178
<b>Total*:</b>	7,158	420	1,000	1,000	1,500	4,000	3,000	100	18,178
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		773	1,000	1,000	1,500	4,000	3,000	100	11,373
<b>Total:</b>		773	1,000	1,000	1,500	4,000	3,000	100	11,373

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Pump Station and Force Main Improvements

<b>BCL/Program Name:</b>	Rehabilitation	<b>BCL/Program Code:</b>	C370B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	C3703	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	13,033	4,074	5,425	11,400	9,449	7,242	6,030	5,000	61,653
<b>Total:</b>	13,033	4,074	5,425	11,400	9,449	7,242	6,030	5,000	61,653
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	13,033	4,074	5,425	11,400	9,449	7,242	6,030	5,000	61,653
<b>Total*:</b>	13,033	4,074	5,425	11,400	9,449	7,242	6,030	5,000	61,653
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		2,826	5,425	11,400	9,449	7,242	6,030	5,000	47,372
<b>Total:</b>		2,826	5,425	11,400	9,449	7,242	6,030	5,000	47,372

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### S Genesee Combined Sewer Overflow

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	C3608	<b>End Date:</b>	Q4/2016
<b>Location:</b>	S. Genesee St.		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Southeast	<b>Urban Village:</b>	Not in an Urban Village

This project provides construction of combined sewer overflows (CSO) facilities in the Genesee area in the southeast part of Seattle. Facilities will be built to meet level of service requirements for CSOs and comply with state and federal regulations. The project will meet requirements of the City's current National Pollutant Discharge Elimination System (NPDES) Wastewater Discharge Permit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	42,487	2,564	0	0	0	0	0	0	45,051
<b>Total:</b>	42,487	2,564	0	0	0	0	0	0	45,051
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	42,487	2,564	0	0	0	0	0	0	45,051
<b>Total*:</b>	42,487	2,564	0	0	0	0	0	0	45,051
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		451	0	0	0	0	0	0	451
<b>Total:</b>		451	0	0	0	0	0	0	451

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### S Henderson Combined Sewer Overflow Storage

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	C3609	<b>End Date:</b>	Q4/2018
<b>Location:</b>	S Henderson St.		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Southeast	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	37,786	26,448	5,340	590	0	0	0	0	70,164
<b>Total:</b>	37,786	26,448	5,340	590	0	0	0	0	70,164
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	37,786	26,448	5,340	590	0	0	0	0	70,164
<b>Total*:</b>	37,786	26,448	5,340	590	0	0	0	0	70,164
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		19,754	5,340	590	0	0	0	0	25,684
<b>Total:</b>		19,754	5,340	590	0	0	0	0	25,684

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Sanitary Sewer Overflow Capacity

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q2/2002
<b>Project ID:</b>	C3804	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program is designed to enhance sanitary sewer service to Seattle customers by addressing current and projected capacity limitations of the wastewater system through structural (CIP) improvements. Such improvements may include demand management measures such as infiltration and inflow (I/I) reduction, increased conveyance capacity, and individual customer measures such as installation of backflow preventers or grinder pumps to reduce the risk that customers will experience backups of sewage into their homes and businesses during storm events.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	4,539	4,766	7,035	11,139	6,020	5,000	5,000	22,000	65,499
<b>Total:</b>	4,539	4,766	7,035	11,139	6,020	5,000	5,000	22,000	65,499
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	4,539	4,766	7,035	11,139	6,020	5,000	5,000	22,000	65,499
<b>Total*:</b>	4,539	4,766	7,035	11,139	6,020	5,000	5,000	22,000	65,499
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		5,347	7,035	11,139	6,020	5,000	5,000	22,000	61,541
<b>Total:</b>		5,347	7,035	11,139	6,020	5,000	5,000	22,000	61,541

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Security Improvements - DWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C4113-DWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides physical integrated security system components throughout the City of Seattle. Typical improvements may include, but are not limited to, fences, gates, access control card readers, intercoms, lighting, door and hatch contacts, CCTV cameras, motion detection devices, and fiber and conduit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	349	128	109	113	147	113	113	113	1,182
<b>Total:</b>	349	128	109	113	147	113	113	113	1,182
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	349	128	109	113	147	113	113	113	1,182
<b>Total*:</b>	349	128	109	113	147	113	113	113	1,182
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		147	109	113	147	113	113	113	853
<b>Total:</b>		147	109	113	147	113	113	113	853

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Sediment Remediation - DWF

<b>BCL/Program Name:</b>	Sediments	<b>BCL/Program Code:</b>	C350B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q4/2000
<b>Project ID:</b>	C3503	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

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

		LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>										
Drainage and Wastewater Rates		28,219	4,963	6,855	6,553	7,337	8,757	6,182	15,712	84,578
<b>Total:</b>		28,219	4,963	6,855	6,553	7,337	8,757	6,182	15,712	84,578
<b>Fund Appropriations/Allocations</b>										
Drainage and Wastewater Fund		28,219	4,963	6,855	6,553	7,337	8,757	6,182	15,712	84,578
<b>Total*:</b>		28,219	4,963	6,855	6,553	7,337	8,757	6,182	15,712	84,578
<b>O &amp; M Costs (Savings)</b>				0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>										
Drainage and Wastewater Fund			4,575	6,855	6,553	7,337	8,757	6,182	15,712	55,971
<b>Total:</b>			4,575	6,855	6,553	7,337	8,757	6,182	15,712	55,971

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Ship Canal Water Quality Project

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C3614	<b>End Date:</b>	Q4/2025
<b>Location:</b>	West Ship Canal		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project includes the City of Seattle (the City) has prepared a comprehensive strategy, called The Plan to Protect Seattle's Waterways (the Plan); to reduce overflows and discharge of pollutants from combined sewers and the storm drain system. The City must control sewer discharges to protect public health, the environment, to comply with the Clean Water Act, the United States District Court Consent Decree, and state regulations. On May 29, 2015, the City submitted the plan to EPA and Ecology for approval. The Plan recommends a Shared West Ship Canal Project (or the "Ship Canal Water Quality Project") between SPU and King County to provide offline storage of Combined Sewer Overflows for SPU Ballard CSO basins (outfalls 150/151 and 152), Fremont/Wallingford CSO basins (outfalls 147 and 174), King County's 3rd Ave West regulator (DSN 008) and King County's avenue NW Regulator (DSN 004). The Project has a storage capacity of 15.24 million gallons and will bring the seven CSO basins into compliance with the State's control standard of one untreated overflow per year per outfall on a 20-year moving average.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	20,102	17,690	21,732	23,803	55,886	86,470	78,027	51,856	355,567
<b>Total:</b>	20,102	17,690	21,732	23,803	55,886	86,470	78,027	51,856	355,567
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	20,102	17,690	21,732	23,803	55,886	86,470	78,027	51,856	355,567
<b>Total*:</b>	20,102	17,690	21,732	23,803	55,886	86,470	78,027	51,856	355,567
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		21,050	21,732	23,803	55,886	86,470	78,027	51,856	338,824
<b>Total:</b>		21,050	21,732	23,803	55,886	86,470	78,027	51,856	338,824

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Sound Transit - North Link - DWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	114	359	155	79	65	58	0	0	830
<b>Total:</b>	114	359	155	79	65	58	0	0	830
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	114	359	155	79	65	58	0	0	830
<b>Total*:</b>	114	359	155	79	65	58	0	0	830
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		121	155	79	65	58	0	0	478
<b>Total:</b>		121	155	79	65	58	0	0	478

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Sound Transit University Link - DWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	339	51	0	0	0	0	0	0	390
<b>Total:</b>	339	51	0	0	0	0	0	0	390
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	339	51	0	0	0	0	0	0	390
<b>Total*:</b>	339	51	0	0	0	0	0	0	390
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		13	0	0	0	0	0	0	13
<b>Total:</b>		13	0	0	0	0	0	0	13

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Sound Transit-East Link

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2013
<b>Project ID:</b>	C4122-DWF	<b>End Date:</b>	Q4/2020
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	13	20	105	50	25	0	0	0	213
<b>Total:</b>	13	20	105	50	25	0	0	0	213
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	13	20	105	50	25	0	0	0	213
<b>Total*:</b>	13	20	105	50	25	0	0	0	213
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		9	105	50	25	0	0	0	188
<b>Total:</b>		9	105	50	25	0	0	0	188

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# SPU-Drainage & Wastewater

## South Park Pump Station

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q3/2008
<b>Project ID:</b>	C3806	<b>End Date:</b>	Q4/2025
<b>Location:</b>	698 S Riverside DR/Holden/Austin		
<b>Neighborhood Plan:</b>	South Park	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

This project constructs a pump station (PS), a water quality facility (WQF), and additional drainage conveyance in South Park. The PS allows the existing storm drain trunk to meet the 2004 Comprehensive Drainage Plan level of service and allows future projects expanding the collection system to address flooding complaints. The WQF will treat most stormwater flows from the basin, reducing pollutant loading to the Duwamish. Flows over 11 CFS will bypass the WQF and be pumped directly to the river.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	8,478	2,897	5,267	10,394	3,236	14,287	10,428	784	55,771
<b>Total:</b>	8,478	2,897	5,267	10,394	3,236	14,287	10,428	784	55,771
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	8,478	2,897	5,267	10,394	3,236	14,287	10,428	784	55,771
<b>Total*:</b>	8,478	2,897	5,267	10,394	3,236	14,287	10,428	784	55,771
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		2,705	5,267	10,394	3,236	14,287	10,428	784	47,102
<b>Total:</b>		2,705	5,267	10,394	3,236	14,287	10,428	784	47,102

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Street Sweeping for Water Quality

<b>BCL/Program Name:</b>	Protection of Beneficial Uses	<b>BCL/Program Code:</b>	C333B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	C3363	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides for a cost-effective, significant reduction in the potentially toxic pollutant load carried by stormwater runoff discharged by SPU's storm drain system to Puget Sound using new, high efficiency street sweeping technology. The project is a partnership between Seattle Public Utilities, who sets the project direction, provides water quality expertise, and funding for the portion of routes that drain to the municipal separate storm sewer system (MS4), which discharges directly to our receiving waters and Seattle Department of Transportation, who provides operational expertise, street sweeping services, and funding for the portion of the routes that drain to the combined sewer system (CSS).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	311	200	10	0	0	0	0	0	521
<b>Total:</b>	311	200	10	0	0	0	0	0	521
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	311	200	10	0	0	0	0	0	521
<b>Total*:</b>	311	200	10	0	0	0	0	0	521
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		7	10	0	0	0	0	0	17
<b>Total:</b>		7	10	0	0	0	0	0	17

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Thornton Confluence Improvement

<b>BCL/Program Name:</b>	Flooding, Sewer Back-up, and Landslides	<b>BCL/Program Code:</b>	C380B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	C3811	<b>End Date:</b>	Q3/2016
<b>Location:</b>	Thornton Creek		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides creek realignment, floodplain excavation, culvert replacement, and riparian plantings at the confluence of the north and south branches of Thornton Creek. SPU has acquired a number of flood prone properties in this area over the last decade. Using these properties, this project increases culvert capacity, floodplain area and flood storage, and provides stream habitat benefits. The project will help alleviate flooding and reduce maintenance at Meadowbrook Pond.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	8,087	50	0	0	0	0	0	0	8,137
<b>Total:</b>	8,087	50	0	0	0	0	0	0	8,137
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	8,087	50	0	0	0	0	0	0	8,137
<b>Total*:</b>	8,087	50	0	0	0	0	0	0	8,137
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		275	0	0	0	0	0	0	275
<b>Total:</b>		275	0	0	0	0	0	0	275

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Windermere Combined Sewer Overflow Storage

<b>BCL/Program Name:</b>	Combined Sewer Overflows	<b>BCL/Program Code:</b>	C360B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2002
<b>Project ID:</b>	C3605	<b>End Date:</b>	Q3/2016
<b>Location:</b>	NE 65th St. and Sand Point Way NE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Northeast	<b>Urban Village:</b>	Not in an Urban Village

This project provides construction of off-line storage and best management practice combined sewer overflow (CSO) facilities in the Windermere area in the northeast part of Seattle. Facilities will be built to meet water quality standards for Lake Washington in accordance with state and federal regulations. The project also intends to meet requirements of the City's current CSO National Pollutant Discharge Elimination System (NPDES) permit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	50,012	162	86	0	0	0	0	0	50,260
<b>Total:</b>	50,012	162	86	0	0	0	0	0	50,260
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	50,012	162	86	0	0	0	0	0	50,260
<b>Total*:</b>	50,012	162	86	0	0	0	0	0	50,260
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Drainage and Wastewater Fund		187	86	0	0	0	0	0	273
<b>Total:</b>		187	86	0	0	0	0	0	273

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Drainage & Wastewater

### Yesler Terrace-DWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Drainage and Wastewater Rates	2,800	0	0	0	0	0	0	0	2,800
<b>Total:</b>	2,800	0	0	0	0	0	0	0	2,800
<b>Fund Appropriations/Allocations</b>									
Drainage and Wastewater Fund	2,800	0	0	0	0	0	0	0	2,800
<b>Total*:</b>	2,800	0	0	0	0	0	0	0	2,800
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

### 2017 - 2022 Proposed Capital Improvement Program

# **Seattle Public Utilities**

## **Solid Waste**

### Overview

Seattle Public Utilities (SPU) collects and disposes of solid waste generated within the City of Seattle. To fulfill this responsibility, the City owns and manages the following significant infrastructure:

- Two transfer stations
- One recycling and re-use facility
- Two household hazardous waste facilities
- A fleet of trucks and heavy equipment
- Three closed landfills previously used by the City

The Solid Waste Fund (SWF) CIP is the planning tool for rehabilitating, replacing, improving and expanding infrastructure, as well as constructing projects that protect, conserve, and enhance our region's environmental resources. Planned spending in the SWF CIP is approximately \$71 million over the next six years, from 2017 through 2022.

Major anticipated projects include:

- Constructing a recycling/re-use facility at the South Transfer Station (2015-2020)
- Cleanup of the historic South Park Landfill (2015-2020) at the South Park Development Project.

These projects comprise roughly 65% of the CIP. Other significant projects include the possible enhancements to the South Household Hazardous Waste facility and the SPU's annual fleet and equipment investment.

### CIP Revenue Sources

The majority of the SWF CIP is funded through bonds and current cash contributions, the mix of which is determined by SWF financial policies, the overall financial health of the SWF, and the best value and equity to ratepayers. SPU issued debt in 2014, 2015, and 2016. No further bond issues are anticipated to complete these projects. Cash contributions to construction and repayment of debt come from rate-based charges to customers whose solid waste services are handled by the City's solid waste infrastructure and services.

SPU also actively seeks grants, low-interest loans, and other funding sources whenever possible and prudent. The Solid Waste Utility is currently in the middle of a capital intensive historic landfill rehabilitation process and South Transfer Station Rebuild (STS2) project. These projects are the primary drivers of CIP spending and have required rate increases for financing.

CIP Highlights

**2017-2022 Proposed Solid Waste Fund CIP by BCL**  
(In '000s; total may not sum due to rounding)

BCL	2017	2018	2019	2020	2021	2022	Total
New Facilities	7,824	19,673	8,527	4,529	150	150	<b>40,853</b>
Rehabilitation and Heavy Equipment	400	120	75	40	35	45	<b>715</b>
Shared Cost Projects	2,922	2,344	2,002	3,219	2,121	2,866	<b>15,474</b>
Technology	5,864	2,751	1,336	1,078	1,511	1,511	<b>14,050</b>
<b>Total</b>	<b>17,010</b>	<b>24,887</b>	<b>11,940</b>	<b>8,866</b>	<b>3,817</b>	<b>4,572</b>	<b>71,092</b>

**New Facilities:** This program plans, designs, and constructs new facilities to enhance solid waste operations. In 2017, SPU will continue to implement its Solid Waste Facilities Master Plan. The key project drivers of the New Facilities Budget Control Level (BCL) are the South Transfer Station Rebuild (STS2) and South Park Development projects.

The changes in this BCL are mainly on the STS2 Rebuild project and schedule changes. Now that design is underway both the scope and schedule have changed as the project develops. The changes also reflect programmatic reductions in the South Park Development project to reflect the results of the Remedial Investigation/Feasibility Study and the draft Cleanup Action Plan defining the scope of the anticipated site cleanup and STS2 schedule changes.

**Rehabilitation and Heavy Equipment:** This program designs and constructs projects to repair and/or upgrade solid waste facilities. The key driver of this BCL is the Midway Flare Improvements to fully fund replacement of the Landfill remote alarm system.

**Shared Cost Projects:** This program includes individual capital improvement projects which typically benefit multiple Lines of Business (LOB) (e.g. the Water LOB and the Drainage and Wastewater LOB) and whose costs are "shared," or paid for by more than one of SPU's utility funds.

The proposed budget for this BCL will increase in 2017. The key driver is the scope and schedule change in operational facility construction that will address shortages of adequate space for operational functions for multiple Lines of Business and SPU staff. The changes in Heavy Equipment Purchases reflect the best estimated of the required fleet of trucks and heavy equipment for the North and South transfer stations.

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

- Customer Contact and Billing

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

Investments in 2017 address several of SPU's key initiatives, including:

- Financial Management and Internal Controls
- Operational Excellence and Performance Management
- Easy, engaged Customer Experience
- Data-driven Decision Support
- Project Delivery/Project Controls

SPU will focus 2017 technology spending on the highest priority business needs, primarily within the Customer Contact and Billing and Project Delivery and Performance program areas.

Changes in the New Customer Information System (NCIS) project schedule are driving the increased cost estimates for 2017 within the Customer Contact and Billing program area. Anticipated costs for SPU's portion of the Summit Re-Implementation project as well as the significant expenditure to integrate SPU financial side-systems are driving increased costs within the Project Delivery and Performance program area.

### **Thematic Priorities**

The SWF places a high priority on managing environmental issues and addressing regulatory requirements related to current and historic solid waste facilities while protecting employees and customer health and safety.

- Managing environmental issues and regulations: SPU is required to improve former landfill sites and take action as necessary when conditions change. For example, underground gas levels at these sites are monitored. When increasing gas levels are detected, SPU implements improvements to extract the excess gas or otherwise mitigate the environmental impacts of the gas increase. Also, the new transfer stations will greatly reduce the environmental impacts of the existing stations on neighboring communities.

### **Project Selection Criteria**

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

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

Priority rankings are based on the following set of criteria:

- **Regulatory Mandates, Legal Agreements:** The degree to which the project is driven by Federal, State, and local laws, permit and regulatory requirements, and consent decrees; as well as by legal agreements with public and private parties. Examples of highly ranked projects in this category include the South Park Development project and Kent Highlands and Midway Landfills programs.
- **External Drivers:** SPU's responsiveness to, or engagement with, the projects of other Departments or Jurisdictions, and the specific mandates of the City Council and Mayor. Examples of projects in this category include the 1% for Arts program.
- **Infrastructure:** How a project addresses infrastructure conditions or vulnerabilities. Examples of highly ranked projects in this category include the South Transfer Station Rebuild (STS2) project.
- **Level of Service:** The importance of this project in providing or improving services to customers. Examples of highly ranked projects in this category include the South Transfer Station Rebuild (STS2) project.
- **Other Factors:** Other important factors include high net present value or cost-effectiveness, social or environmental benefits that were not otherwise recognized, a project already in progress or near completion, limited time opportunity, demonstration projects, community visibility, or outside funding.

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

### Summary of Upcoming Budget Issues and Challenges

Solid Waste faces logistical and financial issues as it reconstructs its primary facilities and addresses site cleanup efforts.

- **Logistics:** SWF is focusing on redevelopment the South Transfer Station Rebuild (STS2) and must continue to utilize the site for trailer parking and HHW collection during construction.
- **Financial Challenges:** Reconstruction of the South Transfer Station Rebuild (STS2) along with site remediation efforts puts considerable short-term financial strain on the SWF. At the same time that SWF is funding and building these major projects, it is working to address environmental stewardship by encouraging waste reduction and recycling, which results in declining demand for services.

To address the funding needed to reconstruct and remediate the transfer stations, SPU issued bonds in 2014, 2015, and 2016. The cost to repay or service these bonds will be paid through rate-based revenues, which also support SPU operations, maintenance, administration, and

contract costs. To assure that SWF has adequate revenues to support debt service and core functions while demand declines, SPU anticipates using a combination of rate increases and existing cash balances.

### **Future Projects/What is on the Horizon**

Historically, the SWF CIP budget averaged \$3.2 million annually outside years of heavy capital construction. Once the South Transfer Station rebuild is completed, the core SWF CIP is expected to approximate the lower spending levels, factoring in cost inflation and additional shared costs utility costs.

Once the South Transfer Station is rebuilt, annual costs for repairs and upkeep are projected to decrease initially and then increase as equipment replacement/renewal projects are required. Part of the South Transfer Station rebuild (STS2) is to retain enough space to construct a Material Recovery Facility (MRF) in the future to increase the recycling rate. No decisions have been made about the MRF at this time.

**Project Summary**

<b>BCL/Program Name/ Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>New Facilities</b>					<b>BCL/Program Code:</b>				<b>C230B</b>
Miscellaneous Station Improvements (C2303)	2,838	100	800	150	150	600	150	150	4,938
North Transfer Station Rebuild (C2306)	88,524	18,949	241	20	0	0	0	0	107,733
South Park Development (C2304)	4,273	4,535	1,608	3,771	3,294	1,580	0	0	19,060
South Recycling Disposal Station Household Hazardous Waste Relocation (C2305)	0	236	50	265	200	300	0	0	1,051
South Transfer Station Rebuild (C2302)	79,091	6,732	5,125	15,467	4,883	2,050	0	0	113,348
<b>New Facilities</b>	<b>174,726</b>	<b>30,552</b>	<b>7,824</b>	<b>19,673</b>	<b>8,527</b>	<b>4,529</b>	<b>150</b>	<b>150</b>	<b>246,131</b>
<b>Rehabilitation and Heavy Equipment</b>					<b>BCL/Program Code:</b>				<b>C240B</b>
Kent Highlands Landfill (C2402)	1,120	15	50	50	25	15	15	25	1,315
Midway Landfill (C2403)	111	415	350	70	50	25	20	20	1,061
<b>Rehabilitation and Heavy Equipment</b>	<b>1,231</b>	<b>430</b>	<b>400</b>	<b>120</b>	<b>75</b>	<b>40</b>	<b>35</b>	<b>45</b>	<b>2,376</b>
<b>Shared Cost Projects</b>					<b>BCL/Program Code:</b>				<b>C410B</b>
1% for the Arts - SWF (C4118-SWF)	1,713	324	66	165	56	28	8	7	2,367
Heavy Equipment Purchases - SWF (C4116-SWF)	7,340	650	1,503	1,051	1,146	2,358	1,223	2,031	17,303
Integrated Control Monitoring Program - SWF (C4108-SWF)	0	624	0	0	0	0	0	0	624
Operational Facility - Construction - SWF (C4106-SWF)	175	372	1,197	1,010	678	733	790	728	5,681
Operational Facility - Other - SWF (C4115-SWF)	20	2,770	0	0	0	0	0	0	2,790
Operations Control Center - SWF (C4105-SWF)	200	1,093	59	18	0	0	0	0	1,370
Security Improvements - SWF (C4113-SWF)	687	787	98	100	123	100	100	100	2,095
<b>Shared Cost Projects</b>	<b>10,135</b>	<b>6,620</b>	<b>2,922</b>	<b>2,344</b>	<b>2,002</b>	<b>3,219</b>	<b>2,121</b>	<b>2,866</b>	<b>32,229</b>
<b>Technology</b>					<b>BCL/Program Code:</b>				<b>C510B</b>
Asset Information Management (C5407)	33	906	140	299	210	190	300	300	2,378
Customer Contact & Billing (C5402)	10,204	4,757	3,396	942	353	375	150	150	20,326
Enterprise Information Management (C5403)	1,639	888	140	101	319	78	300	300	3,765
IT Infrastructure (C5404)	807	859	87	140	191	281	266	266	2,898

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Project Summary**

<b>BCL/Program Name/ Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Project Delivery & Performance (C5405)	1,657	2,291	2,101	1,237	263	154	255	255	8,212
Science & System Performance (C5406)	467	53	0	31	0	0	240	240	1,031
<b>Technology</b>	14,807	9,753	5,864	2,751	1,336	1,078	1,511	1,511	38,610
<b>Department Total*:</b>	200,899	47,355	17,010	24,887	11,940	8,866	3,817	4,572	319,346

*\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.*

**2017 - 2022 Proposed Capital Improvement Program**

## SPU-Solid Waste

### Fund Summary

<b>Fund Name &amp; Code</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Solid Waste Fund (45010)	200,899	47,355	17,010	24,887	11,940	8,866	3,817	4,572	319,346
<b>Department Total*:</b>	200,899	47,355	17,010	24,887	11,940	8,866	3,817	4,572	319,346

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

## SPU-Solid Waste

### 1% for the Arts - SWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	C4118-SWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides the Solid Waste funding for Seattle Public Utilities' 1% for Arts contribution. Eligibility is determined at the individual project level, with payment occurring from this project. Funds contributed to the 1% for Art project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	1,713	324	66	165	56	28	8	7	2,367
<b>Total:</b>	1,713	324	66	165	56	28	8	7	2,367
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	1,713	324	66	165	56	28	8	7	2,367
<b>Total*:</b>	1,713	324	66	165	56	28	8	7	2,367
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		194	66	165	56	28	8	7	524
<b>Total:</b>		194	66	165	56	28	8	7	524

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Heavy Equipment Purchases - SWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C4116-SWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides SPU's Solid Waste Utility crews with new and replacement heavy equipment that is used throughout Seattle and in parts of King County. Typical purchases include loaders, dozers, class 8 trucks, rail container chassis, yard waste and metal trailers, backhoes, and yard "goats" (a type of tractor.) These equipment purchases provide safe and efficient loading, transfer and short haul transportation of garbage, yard waste, metal, and other recyclables to the rail yard for "long haul" to the landfill and to contracted recycling processors. This project is one of four SPU fund-specific heavy equipment CIP projects.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	7,340	650	1,503	1,051	1,146	2,358	1,223	2,031	17,303
<b>Total:</b>	7,340	650	1,503	1,051	1,146	2,358	1,223	2,031	17,303
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	7,340	650	1,503	1,051	1,146	2,358	1,223	2,031	17,303
<b>Total*:</b>	7,340	650	1,503	1,051	1,146	2,358	1,223	2,031	17,303
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		883	1,503	1,051	1,146	2,358	1,223	2,031	10,196
<b>Total:</b>		883	1,503	1,051	1,146	2,358	1,223	2,031	10,196

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Integrated Control Monitoring Program - SWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	C4108-SWF	<b>End Date:</b>	Q4/2014
<b>Location:</b>	Kent, WA		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project includes the current telemetry used to monitor the environmental control systems at the Kent Highlands Landfill and the Midway Landfill, both Superfund sites, are nearly obsolete and the equipment is no longer supported. In addition, the current system only transmits alarm conditions and does not have any data acquisition functionality. This project funds a replacement system that will allow remote data acquisition as well as alarm functionality.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	0	624	0	0	0	0	0	0	624
<b>Total:</b>	0	624	0	0	0	0	0	0	624
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	0	624	0	0	0	0	0	0	624
<b>Total*:</b>	0	624	0	0	0	0	0	0	624
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Kent Highlands Landfill

<b>BCL/Program Name:</b>	Rehabilitation and Heavy Equipment	<b>BCL/Program Code:</b>	C240B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	C2402	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Kent Highlands		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This program funds compliance activities related to the Kent Highlands landfill closure project. These activities include environmental and feasibility studies to demonstrate the effectiveness of the Kent Highlands landfill closure project, as well as various landfill improvements. The environmental and feasibility studies are required under the existing Consent Decree with the State Department of Ecology and validate that current environmental controls are effective and reduce the likelihood of additional capital or O&M expenditures. The landfill improvements include replacement of existing flares, drainage improvements, groundwater protection and water treatment.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	1,120	15	50	50	25	15	15	25	1,315
<b>Total:</b>	1,120	15	50	50	25	15	15	25	1,315
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	1,120	15	50	50	25	15	15	25	1,315
<b>Total*:</b>	1,120	15	50	50	25	15	15	25	1,315
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		50	50	50	25	15	15	25	230
<b>Total:</b>		50	50	50	25	15	15	25	230

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Midway Landfill

<b>BCL/Program Name:</b>	Rehabilitation and Heavy Equipment	<b>BCL/Program Code:</b>	C240B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	C2403	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Kent		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This program funds compliance activities related to the Midway landfill closure project. These activities include environmental and feasibility studies to demonstrate the effectiveness of the Midway landfill closure project. The studies are required under the existing Consent Decree with the State Department of Ecology and validate that current environmental controls are effective and reduce the likelihood of additional capital or O&M expenditures. The flare improvements are also a regulatory requirement. To ensure that SPU maintains regulatory compliance, a smaller flare or new technology will be required. The current telemetry used to monitor the environmental control systems at the Kent Highlands Landfill and the Midway Landfill, both Superfund sites, are nearly obsolete and the equipment is no longer supported. In addition, the current system only transmits alarm conditions and does not have any data acquisition functionality. This program funds a replacement system that will allow remote data acquisition as well as alarm functionality.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	111	415	350	70	50	25	20	20	1,061
<b>Total:</b>	111	415	350	70	50	25	20	20	1,061
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	111	415	350	70	50	25	20	20	1,061
<b>Total*:</b>	111	415	350	70	50	25	20	20	1,061
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		450	350	70	50	25	20	20	985
<b>Total:</b>		450	350	70	50	25	20	20	985

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Miscellaneous Station Improvements

<b>BCL/Program Name:</b>	New Facilities	<b>BCL/Program Code:</b>	C230B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2003
<b>Project ID:</b>	C2303	<b>End Date:</b>	Q1/2022
<b>Location:</b>	2nd Ave S		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

This project provides modifications, upgrades and wear replacement for the two new City Transfer Stations. The new facilities will require periodic capital upgrades and replacement to extend the useful life of these assets. Examples of this work include improvements to the STS wheelwash and floor drain system to meet regulatory requirements and replacement of the wear surface on the STS tipping floor. When NTS begins operation in 2016 there will likely be some additional modifications required to optimize the facility.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	2,838	100	800	150	150	600	150	150	4,938
<b>Total:</b>	2,838	100	800	150	150	600	150	150	4,938
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	2,838	100	800	150	150	600	150	150	4,938
<b>Total*:</b>	2,838	100	800	150	150	600	150	150	4,938
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		200	800	150	150	600	150	150	2,200
<b>Total:</b>		200	800	150	150	600	150	150	2,200

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### North Transfer Station Rebuild

<b>BCL/Program Name:</b>	New Facilities	<b>BCL/Program Code:</b>	C230B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q4/2006
<b>Project ID:</b>	C2306	<b>End Date:</b>	Q4/2018
<b>Location:</b>	N 34th St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	4
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	Not in an Urban Village

The project constructs a new North Recycling and Disposal Station to replace the existing, aging facility. The new facility will meet customer and employee needs, regulatory requirements, and waste management goals for at least the next 50 years. Safety, operational, and capacity concerns at the existing transfer station necessitate building a new facility. The new facility will benefit the public by providing reliable transfer of solid waste from the City and preventing the accumulation of waste and unsanitary conditions within the City.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	88,524	18,949	241	20	0	0	0	0	107,733
<b>Total:</b>	88,524	18,949	241	20	0	0	0	0	107,733
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	88,524	18,949	241	20	0	0	0	0	107,733
<b>Total*:</b>	88,524	18,949	241	20	0	0	0	0	107,733
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		16,722	241	20	0	0	0	0	16,982
<b>Total:</b>		16,722	241	20	0	0	0	0	16,982

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Operational Facility - Construction - SWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	175	372	1,197	1,010	678	733	790	728	5,681
<b>Total:</b>	175	372	1,197	1,010	678	733	790	728	5,681
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	175	372	1,197	1,010	678	733	790	728	5,681
<b>Total*:</b>	175	372	1,197	1,010	678	733	790	728	5,681
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		746	1,197	1,010	678	733	790	728	5,880
<b>Total:</b>		746	1,197	1,010	678	733	790	728	5,880

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Operational Facility - Other - SWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	20	2,770	0	0	0	0	0	0	2,790
<b>Total:</b>	20	2,770	0	0	0	0	0	0	2,790
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	20	2,770	0	0	0	0	0	0	2,790
<b>Total*:</b>	20	2,770	0	0	0	0	0	0	2,790
<b>O &amp; M Costs (Savings)</b>			1	1	0	0	0	0	2
<b>Spending Plan by Fund</b>									
Solid Waste Fund		10	0	0	0	0	0	0	10
<b>Total:</b>		10	0	0	0	0	0	0	10

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Operations Control Center - SWF

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	200	1,093	59	18	0	0	0	0	1,370
<b>Total:</b>	200	1,093	59	18	0	0	0	0	1,370
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	200	1,093	59	18	0	0	0	0	1,370
<b>Total*:</b>	200	1,093	59	18	0	0	0	0	1,370
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		10	59	18	0	0	0	0	87
<b>Total:</b>		10	59	18	0	0	0	0	87

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### Security Improvements - SWF

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C4113-SWF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project funds physical, integrated security system components at Solid Waste infrastructure sites throughout the City. Components may include, but are not limited to, fences, gates, access control card readers, intercoms, lighting, door and hatch contacts, CCTV cameras, motion detection devices, and fiber and conduit.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	687	787	98	100	123	100	100	100	2,095
<b>Total:</b>	687	787	98	100	123	100	100	100	2,095
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	687	787	98	100	123	100	100	100	2,095
<b>Total*:</b>	687	787	98	100	123	100	100	100	2,095
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		141	98	100	123	100	100	100	762
<b>Total:</b>		141	98	100	123	100	100	100	762

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# SPU-Solid Waste

## South Park Development

<b>BCL/Program Name:</b>	New Facilities	<b>BCL/Program Code:</b>	C230B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C2304	<b>End Date:</b>	Q1/2020
<b>Location:</b>	8100 2nd Ave S		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

This project studies, plans, designs and constructs remediation of the historic South Park Landfill site to minimize environmental impacts. SPU owns a portion of the site on which the landfill once operated, and was an historic operator of the landfill at one time. This project will meet the requirements of a Washington Department of Ecology Agreed Order for study of and cleanup planning for the historic South Park Landfill.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	4,273	4,535	1,608	3,771	3,294	1,580	0	0	19,060
<b>Total:</b>	4,273	4,535	1,608	3,771	3,294	1,580	0	0	19,060
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	4,273	4,535	1,608	3,771	3,294	1,580	0	0	19,060
<b>Total*:</b>	4,273	4,535	1,608	3,771	3,294	1,580	0	0	19,060
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		190	1,608	3,771	3,294	1,580	0	0	10,442
<b>Total:</b>		190	1,608	3,771	3,294	1,580	0	0	10,442

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### South Recycling Disposal Station Household Hazardous Waste Relocation

<b>BCL/Program Name:</b>	New Facilities	<b>BCL/Program Code:</b>	C230B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	C2305	<b>End Date:</b>	Q4/2020
<b>Location:</b>	8105 5th Ave S		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

This project provides relocation for the South Household Hazardous Waste (SHHW) facility and allows for facility improvements as required by code. This project and timeline is tied to the redevelopment of the existing South Recycling and Disposal Station (SRDS) site.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	0	236	50	265	200	300	0	0	1,051
<b>Total:</b>	0	236	50	265	200	300	0	0	1,051
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	0	236	50	265	200	300	0	0	1,051
<b>Total*:</b>	0	236	50	265	200	300	0	0	1,051
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		0	50	265	200	300	0	0	815
<b>Total:</b>		0	50	265	200	300	0	0	815

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## SPU-Solid Waste

### South Transfer Station Rebuild

<b>BCL/Program Name:</b>	New Facilities	<b>BCL/Program Code:</b>	C230B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	C2302	<b>End Date:</b>	Q1/2020
<b>Location:</b>	8100 2nd AVE S		
<b>Neighborhood Plan:</b>	Duwamish	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

This project transforms the existing South Recycling and Disposal Station to a recycling and reuse area. The existing transfer station building and associated facilities will be demolished and replaced with new recycling facilities, a reuse facility, parking and storage area for transfer trailers, and other solid waste facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Solid Waste Rates	79,091	6,732	5,125	15,467	4,883	2,050	0	0	113,348
<b>Total:</b>	79,091	6,732	5,125	15,467	4,883	2,050	0	0	113,348
<b>Fund Appropriations/Allocations</b>									
Solid Waste Fund	79,091	6,732	5,125	15,467	4,883	2,050	0	0	113,348
<b>Total*:</b>	79,091	6,732	5,125	15,467	4,883	2,050	0	0	113,348
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Solid Waste Fund		2,535	5,125	15,467	4,883	2,050	0	0	30,061
<b>Total:</b>		2,535	5,125	15,467	4,883	2,050	0	0	30,061

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# **Seattle Public Utilities**

## **Technology Projects**

**Project Summary**

<b>BCL/Program Name/</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Technology</b>							<b>BCL/Program Code:</b>		<b>C510B</b>
Asset Information Management (C5407)	262	3,424	1,709	1,770	2,050	2,300	2,000	2,000	15,516
Customer Contact & Billing (C5402)	33,156	15,175	9,549	2,855	1,750	2,500	1,000	1,000	66,985
Enterprise Information Management (C5403)	10,279	6,082	934	675	2,100	500	2,000	2,000	24,570
IT Infrastructure (C5404)	7,177	3,340	666	1,105	1,250	1,850	1,750	1,750	18,888
Project Delivery & Performance (C5405)	10,611	14,768	13,765	8,100	1,750	1,000	1,700	1,700	53,395
Science & System Performance (C5406)	4,519	942	2,159	1,817	1,800	1,000	1,600	1,600	15,437
<b>Technology</b>	<b>66,004</b>	<b>43,732</b>	<b>28,783</b>	<b>16,322</b>	<b>10,700</b>	<b>9,150</b>	<b>10,050</b>	<b>10,050</b>	<b>194,791</b>
<b>Department Total*:</b>	<b>66,004</b>	<b>43,732</b>	<b>28,783</b>	<b>16,322</b>	<b>10,700</b>	<b>9,150</b>	<b>10,050</b>	<b>10,050</b>	<b>194,791</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## SPU-Technology

### Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
Drainage and Wastewater Fund (44010)	25,042	16,483	11,185	6,161	4,255	3,908	4,298	4,298	75,629
Solid Waste Fund (45010)	14,807	9,753	5,864	2,751	1,336	1,078	1,511	1,511	38,610
Water Fund (43000)	26,155	17,496	11,734	7,410	5,109	4,165	4,241	4,241	80,552
<b>Department Total*:</b>	66,004	43,732	28,783	16,322	10,700	9,150	10,050	10,050	194,791

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

**Asset Information Management**

<b>BCL/Program Name:</b>	Technology	<b>BCL/Program Code:</b>	C510B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C5407	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides applications, upgrades and data management tools in support of SPU's work and asset management projects. 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	95	1,295	806	547	866	1,082	840	840	6,372
Drainage and Wastewater Rates	134	1,223	764	924	974	1,028	860	860	6,766
Solid Waste Rates	33	906	140	299	210	190	300	300	2,378
<b>Total:</b>	262	3,424	1,709	1,770	2,050	2,300	2,000	2,000	15,516
<b>Fund Appropriations/Allocations</b>									
Water Fund	95	1,295	806	547	866	1,082	840	840	6,372
Drainage and Wastewater Fund	134	1,223	764	924	974	1,028	860	860	6,766
Solid Waste Fund	33	906	140	299	210	190	300	300	2,378
<b>Total*:</b>	262	3,424	1,709	1,770	2,050	2,300	2,000	2,000	15,516
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		344	806	547	866	1,082	840	840	5,325
Drainage and Wastewater Fund		389	764	924	974	1,028	860	860	5,798
Solid Waste Fund		83	140	299	210	190	300	300	1,522
<b>Total:</b>		816	1,709	1,770	2,050	2,300	2,000	2,000	12,646

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## SPU-Technology

### Customer Contact & Billing

<b>BCL/Program Name:</b>	Technology	<b>BCL/Program Code:</b>	C510B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C5402	<b>End Date:</b>	ONGOING
<b>Location:</b>	N/A		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides 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 ongoing project is intended to enhance customer service, customer contact, and ensure accurate Utility billing.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	11,756	5,377	3,116	971	720	1,100	420	420	23,879
Drainage and Wastewater Rates	11,196	5,041	3,037	942	678	1,025	430	430	22,779
Solid Waste Rates	10,204	4,757	3,396	942	353	375	150	150	20,326
<b>Total:</b>	33,156	15,175	9,549	2,855	1,750	2,500	1,000	1,000	66,985
<b>Fund Appropriations/Allocations</b>									
Water Fund	11,756	5,377	3,116	971	720	1,100	420	420	23,879
Drainage and Wastewater Fund	11,196	5,041	3,037	942	678	1,025	430	430	22,779
Solid Waste Fund	10,204	4,757	3,396	942	353	375	150	150	20,326
<b>Total*:</b>	33,156	15,175	9,549	2,855	1,750	2,500	1,000	1,000	66,985
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		9,638	3,116	971	720	1,100	420	420	16,384
Drainage and Wastewater Fund		9,377	3,037	942	678	1,025	430	430	15,919
Solid Waste Fund		9,088	3,396	942	353	375	150	150	14,454
<b>Total:</b>		28,103	9,549	2,855	1,750	2,500	1,000	1,000	46,757

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

**Enterprise Information Management**

<b>BCL/Program Name:</b>	Technology	<b>BCL/Program Code:</b>	C510B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C5403	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project provides 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 ongoing project enhances SPU's ability to retrieve, share, distribute and manage corporate information.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	5,294	2,776	392	283	923	224	840	840	11,572
Drainage and Wastewater Rates	3,346	2,418	402	290	858	199	860	860	9,233
Solid Waste Rates	1,639	888	140	101	319	78	300	300	3,765
<b>Total:</b>	10,279	6,082	934	675	2,100	500	2,000	2,000	24,570
<b>Fund Appropriations/Allocations</b>									
Water Fund	5,294	2,776	392	283	923	224	840	840	11,572
Drainage and Wastewater Fund	3,346	2,418	402	290	858	199	860	860	9,233
Solid Waste Fund	1,639	888	140	101	319	78	300	300	3,765
<b>Total*:</b>	10,279	6,082	934	675	2,100	500	2,000	2,000	24,570
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,001	392	283	923	224	840	840	4,503
Drainage and Wastewater Fund		396	402	290	858	199	860	860	3,865
Solid Waste Fund		98	140	101	319	78	300	300	1,336
<b>Total:</b>		1,495	934	675	2,100	500	2,000	2,000	9,704

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

# SPU-Technology

## IT Infrastructure

<b>BCL/Program Name:</b>	Technology	<b>BCL/Program Code:</b>	C510B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C5404	<b>End Date:</b>	ONGOING
<b>Location:</b>	N/A		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing IT asset management project ensures the availability, reliability, and security of SPU's corporate computing infrastructure. The project acquires and maintains SPU-owned and managed servers, local networks, shared storage and backup systems, operating software, and communications infrastructure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	3,086	1,172	249	399	555	819	755	755	7,791
Drainage and Wastewater Rates	3,284	1,309	330	566	504	750	729	729	8,199
Solid Waste Rates	807	859	87	140	191	281	266	266	2,898
<b>Total:</b>	7,177	3,340	666	1,105	1,250	1,850	1,750	1,750	18,888
<b>Fund Appropriations/Allocations</b>									
Water Fund	3,086	1,172	249	399	555	819	755	755	7,791
Drainage and Wastewater Fund	3,284	1,309	330	566	504	750	729	729	8,199
Solid Waste Fund	807	859	87	140	191	281	266	266	2,898
<b>Total*:</b>	7,177	3,340	666	1,105	1,250	1,850	1,750	1,750	18,888
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,359	249	399	555	819	755	755	4,892
Drainage and Wastewater Fund		1,720	330	566	504	750	729	729	5,326
Solid Waste Fund		481	87	140	191	281	266	266	1,713
<b>Total:</b>		3,560	666	1,105	1,250	1,850	1,750	1,750	11,931

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

**Project Delivery & Performance**

<b>BCL/Program Name:</b>	Technology	<b>BCL/Program Code:</b>	C510B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C5405	<b>End Date:</b>	ONGOING
<b>Location:</b>	N/A		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project 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 project will result in an improved ability to plan and deliver projects on schedule and within budget.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	4,932	6,605	6,081	3,565	745	440	714	714	23,795
Drainage and Wastewater Rates	4,022	5,873	5,584	3,299	743	406	731	731	21,388
Solid Waste Rates	1,657	2,291	2,101	1,237	263	154	255	255	8,212
<b>Total:</b>	10,611	14,768	13,765	8,100	1,750	1,000	1,700	1,700	53,395
<b>Fund Appropriations/Allocations</b>									
Water Fund	4,932	6,605	6,081	3,565	745	440	714	714	23,795
Drainage and Wastewater Fund	4,022	5,873	5,584	3,299	743	406	731	731	21,388
Solid Waste Fund	1,657	2,291	2,101	1,237	263	154	255	255	8,212
<b>Total*:</b>	10,611	14,768	13,765	8,100	1,750	1,000	1,700	1,700	53,395
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		3,098	6,081	3,565	745	440	714	714	15,357
Drainage and Wastewater Fund		2,790	5,584	3,299	743	406	731	731	14,283
Solid Waste Fund		1,073	2,101	1,237	263	154	255	255	5,337
<b>Total:</b>		6,962	13,765	8,100	1,750	1,000	1,700	1,700	34,978

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

# SPU-Technology

## Science & System Performance

<b>BCL/Program Name:</b>	Technology	<b>BCL/Program Code:</b>	C510B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C5406	<b>End Date:</b>	ONGOING
<b>Location:</b>	N/A		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project 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 project enhances SPU's ability to control water quality and comply with environmental and health regulations.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	992	272	1,090	1,645	1,300	500	672	672	7,142
Drainage and Wastewater Rates	3,060	618	1,069	141	500	500	688	688	7,264
Solid Waste Rates	467	53	0	31	0	0	240	240	1,031
<b>Total:</b>	4,519	942	2,159	1,817	1,800	1,000	1,600	1,600	15,437
<b>Fund Appropriations/Allocations</b>									
Water Fund	992	272	1,090	1,645	1,300	500	672	672	7,142
Drainage and Wastewater Fund	3,060	618	1,069	141	500	500	688	688	7,264
Solid Waste Fund	467	53	0	31	0	0	240	240	1,031
<b>Total*:</b>	4,519	942	2,159	1,817	1,800	1,000	1,600	1,600	15,437
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		248	1,090	1,645	1,300	500	672	672	6,126
Drainage and Wastewater Fund		226	1,069	141	500	500	688	688	3,812
Solid Waste Fund		487	0	31	0	0	240	240	998
<b>Total:</b>		960	2,159	1,817	1,800	1,000	1,600	1,600	10,936

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# **Seattle Public Utilities**

## **Water**

### Overview

SPU delivers an average of approximately 126 million gallons of drinking water per day to 1.4 million people and businesses in Seattle and 18 surrounding cities and water districts, plus the Cascade Water Alliance. The water system infrastructure includes:

- The Cedar and South Fork Tolt supply sources;
- Three groundwater wells;
- Two primary water treatment plants;
- 11 booster chlorination facilities;
- 354.5 million gallons of treated water storage;
- 30 pump stations;
- Approximately 1,873 miles of transmission and distribution system pipelines;
- Over 188,000 meters and service connections;
- More than 21,000 distribution system valves;
- About 18,000 hydrants;
- Monitoring and control systems; and,
- Various buildings and other related facilities.

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

Planned spending in the Water Capital Improvement Program (CIP) is \$557 million over the next six years. Major projects include:

- Water system improvements associated with transportation projects, including Move Seattle;
- Operational and Regional Facility construction;
- Replacement of the Bitter Lake and Lake Forest Park Reservoirs floating covers
- Addressing a slide area through which the Tolt Pipelines pass, upstream of the Tolt Treatment Plant.

The 2017-2022 Proposed CIP also includes many ongoing programs, such as improving the distribution and transmission system water mains, valves, steel storage tanks, and pump stations; watershed stewardship and conservation projects and programs; and facilities, vehicles, and heavy equipment investments.

SPU funds Water capital projects through a combination of cash and issuance of bonds. The primary source of cash and debt repayment funds come from sale of water charged to retail and wholesale customers in the region. SPU has updated the Water System Plan through 2018, a Washington Department of Health (WDOH) regulatory requirement due every 6 years.

### CIP Revenue Sources

SPU's Water CIP is funded largely by Water ratepayers. About 72% of the Water Fund's Operating revenues come from retail ratepayers, split approximately evenly between residential and commercial customers. Another 21% of the Water Fund's overall revenues come from

## 2017-2022 Proposed Capital Improvement Program

wholesale purveyors who serve surrounding jurisdictions. The remaining 7% consists of non-rate revenue, which includes such items as tap fees received. SPU issues bonds, serviced by ratepayers, which in the current period covers 49% of the CIP, with the remainder funded by cash and loan, i.e.: directly by ratepayer revenue.

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

**CIP Spending by Major Category**

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

Water Fund	2017	2018	2019	2020	2021	2022	Total
Distribution	28,545	28,145	30,058	29,441	27,483	28,045	171,718
Transmission	5,529	22,431	23,925	6,361	4,435	2,390	65,071
Watershed Stewardship	66	977	84	165	105	65	1,463
Water Quality & Treatment	8,444	385	1,430	3,470	17,210	19,420	50,359
Water Resources	8,266	8,776	3,754	3,731	4,284	4,188	33,000
Habitat Conservation Program	2,106	2,606	2,599	2,036	1,597	1,490	12,434
Shared Cost Projects	35,634	38,399	39,352	23,476	23,496	25,580	185,936
Technology	11,734	7,410	5,109	4,165	4,241	4,241	36,900
<b>Grand Total</b>	<b>100,325</b>	<b>109,131</b>	<b>106,312</b>	<b>72,844</b>	<b>82,851</b>	<b>85,420</b>	<b>556,882</b>

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

Increases in the **Distribution BCL** in 2017 and 2018 primarily due to increased demand for New Taps which is projected to continue going forward as well as water main rehabilitation packages that include multiple worksites across the city. Also, noted that New Taps expenses are offset by new tap revenues. Additionally, recently completed assessments have identified

the need for interior/exterior recoating and structural upgrades at two of SPU's steel storage tanks, Beverly Park elevated tank and Volunteer Park Standpipe.

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

Reductions in the **Transmission BCL** in 2017 is due primarily to delaying work on Tolt Slide Improvements while engineering studies are being completed. Additional shifts in cash flows from 2018 to 2017 are anticipated for Cathodic Protection as the program moves to bundling projects for design and construction in every other year for more efficient project delivery.

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

- The Cedar River Municipal Watershed is 90,638 acres of land owned by the City of Seattle and provides about 70% of the drinking water used by 1.4 million people in the greater Seattle area. The City of Seattle is required by law to maintain a clean drinking water supply. To that end, the City restricts public access and management is guided by a Habitat Conservation Plan. The Cedar River Watershed is an unfiltered surface water supply which produces some of the best water in the world.
- The South Fork Tolt River Watershed is the smaller and lesser known but still essential second supply watershed in SPU's freshwater supply system. Located in the foothills of the Cascades in east King County, it first came on-line in 1964, and since 1989 has also supported a small Seattle City Light hydro-electric facility. The Tolt Treatment Facilities, which includes filtration, can provide up to 120 million gallons of drinking water per day.

Reduction in 2017 in the **Watershed Stewardship BCL** is due postponement from 2017 to 2018 of the Taylor Creek Railroad and Bridge project that removes a failing trestle containing creosote-contaminated elements. That change was made early this year because work priority has shifted to other projects such as Morse Lake Pump Plant due to limitations in staffing resources.

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

Increases in the **Water Quality & Treatment BCL** includes \$19.4M in 2022 for the replacement of the Bitter Lake and Lake Forest Park Reservoirs floating covers, including preliminary engineering work planned for 2017 and 2018. Also, a proposed increase in cost projections for

2017 is based on recently completed engineering studies for correcting seismic design flaws at the newly buried Beacon Reservoir.

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

Increases in the **Water Resources BCL** in 2017 and 2018 are due to a change of scope for the Tolt Ring Gate System Rehabilitation and additional work identified for the Dam Safety program. Additionally, a shift in the timing from 2017 to 2018 of the Sockeye Brookstock Weir that accounts for an increase in 2018.

**Habitat Conservation Program:** This program category includes projects and programs directly related to implementation of the Cedar River Watershed Habitat Conservation Plan. The Habitat Conservation Plan benefits the utility and the ratepayers it serves by providing legal certainty under the Endangered Species Act for the City's continued operations within the Cedar River Watershed, which supplies 70% of the region's drinking water. The Habitat Conservation Program requires SPU to invest \$100 million over 50 years, with \$60 million in the first decade, on approximately 30 capital projects and 60 O&M activities in three areas: management of in-stream flows for people and fish, forest and land conservation activities, and mitigation for the blockage of salmon and steelhead fish as they return to the Cedar River to spawn. The Water Fund's CIP projects in this area are grouped into eight categories: road improvements and decommissioning, stream and riparian restoration, upland forest restoration, Landsburg fish passage, Cedar River sockeye hatchery, improvements to the Ballard Locks for fish passage and water conservation, fish habitat protection and restoration in the lower Cedar River below the municipal watershed boundary, and evaluation of Cedar permanent dead storage in Chester Morse Lake.

Increases in 2017 and 2018 in the **Habitat Conservation Program BCL** result from new grant funding (\$2.1M) to supplement the Downstream Habitat salmon habitat land acquisition program.

**Shared Cost Projects:** This program includes individual capital improvement projects which typically benefit multiple lines of business (e.g. the water line of business and the drainage and wastewater line of business) and whose costs are "shared," or paid for, by more than one of SPU's utility funds. For the next six years, the Shared Cost program includes funding for a number of interdepartmental programs and projects including projects necessitated by the Move Seattle levy, Alaskan Way Viaduct and Seawall Replacement, Mercer Corridor and Sound Transit Link Light Rail. Funding is also included for SPU's Heavy Equipment Purchases and a number of smaller projects.

The **Shared Cost Projects BCL** increases in 2017 and 2018 is primarily due to the Move Seattle Levy projects. Additional increases are due to the Alaskan Way Viaduct & Seawall, Seattle Municipal Tower Relocation program and other Regional Facility projects. This is offset by lower projections in the Water Fund's Integrated Control Monitoring Program, delays in other transportation projects.

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

- Customer Contact and Billing
- Enterprise Information Management
- IT Infrastructure
- Project Delivery & Performance
- Science & System Performance
- Asset Information Management

Investments in 2017 address several of SPU's key initiatives, including:

- Financial Management and Internal Controls
- Operational Excellence and Performance Management
- Easy, engaged Customer Experience
- Data-driven Decision Support
- Project Delivery/Project Controls

SPU will focus 2017 technology spending on the highest priority business needs, primarily within the Customer Contact and Billing and Project Delivery and Performance program areas.

Changes in the New Customer Information System (NCIS) project schedule are driving the increased cost estimates for 2017 within the Customer Contact and Billing program area. Anticipated costs for SPU's portion of the Summit Re-Implementation project as well as the significant expenditure to integrate SPU financial side-systems are driving increased costs within the Project Delivery and Performance program area.

### **Thematic Priorities**

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

- SPU is committed to making **asset preservation** investments to create or enhance operational efficiency. SPU uses asset management principles to determine the timing of rehabilitation or replacement of its infrastructure. Projects that fall into this category vary, ranging from water main replacement related to transportation projects to decommissioning of steel storage facilities.
- SPU's commitment to **health and human safety** is also addressed through SPU's reservoir covering projects. Consistent with Ordinance 120899 and required by state regulators, SPU has been replacing its open finished drinking water reservoirs with underground structures that will improve water quality and system security. Seismic retrofits are planned for four of the buried reservoirs that have design flaws. SPU plans to decommission Roosevelt Reservoir, and further evaluate the possibility of decommissioning Volunteer Reservoir. However, permanent actions at these two reservoirs are not expected to occur until enough time has elapsed to observe the water

system's performance without them. Additionally, by 2019, SPU will begin constructing new covers on the Lake Forest Park and Bitter Lake reservoirs to replace the existing floating covers that will have reached the end of their useful life.

- SPU is committed to **environmental sustainability**. This can best be seen in SPU's responsibilities as outlined in the 50-year Habitat Conservation Plan (HCP), an agreement between local, state and federal agencies. The HCP seeks to ensure the long-term ecological integrity of the Cedar River Watershed, which supplies the majority of the City's drinking water. It simultaneously addresses the needs of protected wildlife species in and along the Cedar River. Investments in the regional conservation and low-income conservation programs also help in management of our natural resources, while helping customers reduce their utility bills.
- SPU is also committed to **race and social justice**. One example of this commitment is the Low Income Water Conservation Program. This ongoing program provides water use efficiency resources to the City's low-income customers to implement water conservation measures. Typical improvements consist of, but are not limited to, installing water-efficient fixtures, such as aerating showerheads and faucets, low water-use toilets and efficient clothes washers. The program is cooperatively managed by SPU and the City's Human Services Department.

### Project Selection Criteria

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

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

Priority rankings are based on the following set of criteria:

- **Regulatory Mandates, Legal Agreements:** The degree to which a project is driven by federal, state, and local laws, permit and regulatory requirements, and consent decrees; as well as by legal agreements with public and private parties. Examples of highly ranked projects in this category include the reservoir covering programs and the Habitat Conservation Program.
- **External Drivers:** SPU's responsiveness to, or engagement with, projects of other Departments or Jurisdictions, and the specific mandates of the City Council and Mayor. Examples of highly ranked projects in this category include the Alaskan Way Viaduct and Mercer Corridor projects.

- **Infrastructure:** How a project addresses infrastructure conditions or vulnerabilities. Examples of highly ranked projects in this category include the Watermain Rehabilitation, Distribution System Improvements and Tank Improvements programs.
- **Level of Service:** The importance of a project in providing or improving services to customers. Examples of highly ranked projects in this category include the Water Infrastructure – New Taps and Service Renewals programs.
- **Other Factors:** Other important factors include high net present value or cost-effectiveness, social or environmental benefits not otherwise captured, a project already in progress or near completion, limited time opportunity, demonstration projects, community visibility, outside funding. An example of a highly ranked project in this category includes Rattlesnake Lake Sanitary Facilities.

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

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

### **Summary of Upcoming Budget Issues and Challenges**

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

Water Conservation: The City of Seattle, Seattle residents, and Seattle's wholesale water partners have worked together to reduce water consumption. As a result, consumption has declined since the 1980's and is projected to flatten out. In 2014, consumption was 30% below the peak of 1984, despite serving a larger population. Seattle currently has some of the lowest per capita water consumption in the nation. While this accomplishment helps contribute to a sustainable future for the region, it puts financial pressure on the utility because fixed costs, including the costs of the CIP, need to be distributed across fewer units of water sold. This trend also puts pressure on SPU management and employees to deliver services as efficiently as possible.

Transitioning from Major Projects toward Asset Management: The Water Fund is transitioning from a period of building large capital projects, in response to regulatory requirements, to a time of physical infrastructure rehabilitation. Past investments include water treatment facilities for

the Tolt and Cedar water supplies, coverings for seven open reservoirs in response to federal/state regulations, construction of a second pipeline for the Tolt system, and investments to meet federal requirements embodied in the Cedar River Watershed Habitat Conservation Plan (HCP). These investments helped secure the supply and distribution of high-quality drinking water and provide appropriate stewardship of the watersheds consistent with federal and state requirements.

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

Against the backdrop of these trends, the 2017-2022 Adopted Water CIP has been developed to:

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

### **Aligning Infrastructure with Planned Growth**

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

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

### **Future Projects/What is on the Horizon**

The Water CIP has completed a multi-decade period of investments in major infrastructure projects. These projects have positioned SPU to meet drinking water quality and environmental regulations. Projects have included the Tolt and Cedar Water Treatment Facilities, Tolt Pipeline

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

The 6-year CIP includes completion of the Morse Lake Pump Plant, work to replace floating covers or construct new buried reservoirs at the Lake Forest Park and Bitter Lake reservoirs, and addressing the Tolt Pipelines slide area. Beyond these projects, emphasis will be on asset management based rehabilitation and replacement of distribution system infrastructure (e.g. mains, valves, hydrants, meters), as well as water system infrastructure improvements related to transportation projects, such as the Move Seattle levy.

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

**Project Summary**

<b>BCL/Program Name/</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Distribution</b>					<b>BCL/Program Code:</b>				<b>C110B</b>
Chamber Upgrades - Distribution (C1137)	236	28	28	29	29	30	30	30	440
Distribution System Improvements (C1128)	7,075	3,030	2,010	3,000	3,500	4,000	4,000	4,000	30,615
Distribution System In-Line Gate Valves (C1136)	1,172	417	338	345	351	359	366	373	3,721
Multiple Utility Relocation (C1133)	5,810	1,524	500	501	500	500	500	500	10,335
Pump Station Improvements (C1135)	264	746	800	600	250	250	500	500	3,910
Tank Improvements (C1134)	2,472	750	265	1,875	4,452	3,000	450	1,000	14,264
Water Infrastructure - Distribution System Modifications (C1138)	279	0	104	106	108	110	113	115	936
Water Infrastructure - Hydrant Replacement/Relocation (C1110)	4,643	217	212	216	221	225	230	235	6,198
Water Infrastructure - New Hydrants (C1112)	312	25	13	13	13	14	14	14	418
Water Infrastructure - New Taps (C1113)	64,195	6,630	8,843	9,020	9,201	9,385	9,572	9,764	126,610
Water Infrastructure - Service Renewal (C1109)	114,679	7,807	7,722	5,837	5,953	6,072	6,193	6,317	160,581
Water Infrastructure - Watermain Extensions (C1111)	2,513	1,127	845	862	879	897	915	897	8,935
Watermain Rehabilitation (C1129)	4,413	5,182	6,865	5,742	4,600	4,600	4,600	4,300	40,302
<b>Distribution</b>	<b>208,063</b>	<b>27,483</b>	<b>28,545</b>	<b>28,145</b>	<b>30,058</b>	<b>29,441</b>	<b>27,483</b>	<b>28,045</b>	<b>407,264</b>
<b>Transmission</b>					<b>BCL/Program Code:</b>				<b>C120B</b>
Cathodic Protection Program (C1208)	723	1,527	1,889	633	2,112	616	2,320	624	10,444
Purveyor Meters Replace - SPU (C1206)	771	363	208	213	218	223	100	100	2,196
Replace Air Valve Chambers (C1209)	1,088	125	125	127	130	133	130	130	1,987
Transmission Pipelines Rehabilitation (C1207)	3,088	2,568	3,283	21,431	21,435	5,356	1,850	1,500	60,511
Water System Dewatering (C1205)	59	54	25	27	30	33	35	36	299
<b>Transmission</b>	<b>5,729</b>	<b>4,638</b>	<b>5,529</b>	<b>22,431</b>	<b>23,925</b>	<b>6,361</b>	<b>4,435</b>	<b>2,390</b>	<b>75,438</b>
<b>Watershed Stewardship</b>					<b>BCL/Program Code:</b>				<b>C130B</b>
Cedar Bridges (C1307)	498	1	1	901	1	100	15	0	1,517

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**2017 - 2022 Proposed Capital Improvement Program**

## Project Summary

<b>BCL/Program Name/</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Environmental Stewardship (C1301)	127	390	64	75	82	65	90	65	959
Kerriston Road (C1314)	0	0	0	0	0	0	0	0	0
Tolt Bridges (C1308)	0	450	1	1	1	0	0	0	453
Tolt Watershed Restoration (C1310)	292	0	0	0	0	0	0	0	292
Transmission Right-of-Way Improvements (C1316)	272	0	0	0	0	0	0	0	272
<b>Watershed Stewardship</b>	<b>1,189</b>	<b>841</b>	<b>66</b>	<b>977</b>	<b>84</b>	<b>165</b>	<b>105</b>	<b>65</b>	<b>3,493</b>
<b>Water Quality &amp; Treatment</b>									<b>BCL/Program Code: C140B</b>
Landsburg Chlorination Upgrades (C1417)	0	0	0	0	0	0	0	0	0
Reservoir Covering-Bitter Lake (C1419)	0	0	25	75	590	1,790	7,310	18,650	28,440
Reservoir Covering - Beacon (C1408)	1,936	135	8,153	10	0	0	0	0	10,234
Reservoir Covering - Maple Leaf (C1411)	45,500	2,117	6	0	0	0	0	0	47,624
Reservoir Covering - Myrtle (C1410)	1,547	199	0	0	0	0	0	0	1,746
Reservoir Covering - West Seattle (C1409)	42,364	866	0	0	0	0	0	0	43,230
Reservoir Covering-Lake Forest Park (C1418)	0	0	25	50	590	1,200	9,750	620	12,235
Treatment Facility/Water Quality Improvements (C1413)	449	322	234	250	250	480	150	150	2,286
Water Quality Equipment (C1414)	249	176	0	0	0	0	0	0	425
<b>Water Quality &amp; Treatment</b>	<b>92,045</b>	<b>3,815</b>	<b>8,444</b>	<b>385</b>	<b>1,430</b>	<b>3,470</b>	<b>17,210</b>	<b>19,420</b>	<b>146,219</b>
<b>Water Resources</b>									<b>BCL/Program Code: C150B</b>
Dam Safety Program (C1506)	5,934	2,080	2,763	995	1,025	875	1,175	1,175	16,021
Hatchery Works (C1511)	0	300	2,379	5,330	380	500	500	250	9,639
Morse Lake Pump Plant (C1508)	32,455	8,324	272	0	0	0	0	0	41,051
Regional Water Conservation Program (C1504)	21,964	2,177	1,406	1,439	1,570	1,610	1,746	1,883	33,795
Seattle Direct Service Additional Conservation (C1505)	3,297	681	697	713	729	746	863	880	8,606
Water Supply Flexibility Program (C1507)	316	1,441	250	0	0	0	0	0	2,007

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## 2017 - 2022 Proposed Capital Improvement Program

**Project Summary**

<b>BCL/Program Name/</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Water System Plan - 2019 (C1510)	0	0	500	300	50	0	0	0	850
<b>Water Resources</b>	63,966	15,003	8,266	8,776	3,754	3,731	4,284	4,188	111,969
<b>Habitat Conservation Program</b>									<b>BCL/Program Code: C160B</b>
Ballard Locks Improvements (C1606)	459	236	140	145	150	155	160	165	1,610
Cedar Sockeye Hatchery (C1605)	10,058	70	0	0	0	0	0	0	10,128
Downstream Fish Habitat (C1607)	8,647	724	650	1,175	1,125	532	0	0	12,853
Instream Flow Management Studies (C1608)	2,110	220	142	147	152	157	160	165	3,253
Stream & Riparian Restoration (C1602)	3,836	250	215	217	219	220	244	245	5,446
Upland Reserve Forest Restoration (C1603)	6,926	93	82	82	83	82	82	82	7,513
Watershed Road Improvement/Decommissioning (C1601)	4,604	1,265	876	840	871	889	951	833	11,130
<b>Habitat Conservation Program</b>	36,640	2,857	2,106	2,606	2,599	2,036	1,597	1,490	51,932
<b>Shared Cost Projects</b>									<b>BCL/Program Code: C410B</b>
1% for the Arts - WF (C4118-WF)	1,548	2,994	187	293	382	172	130	97	5,803
Alaskan Way Viaduct & Seawall Replacement Program - WF (C4102-WF)	22,671	5,548	3,891	2,548	1,343	509	200	21	36,733
Bridging the Gap - WF (C4119-WF)	5,399	8,086	11,791	13,784	14,459	9,050	9,000	9,000	80,568
Emergency Storms - WF (C4120-WF)	323	150	100	100	100	100	0	0	873
First Hill Streetcar - WF (C4130-WF)	679	676	1,021	6,541	4,674	0	0	0	13,590
Heavy Equipment Purchases - WF (C4116-WF)	10,505	2,297	2,700	2,500	2,000	2,400	2,300	2,800	27,502
Integrated Control Monitoring Program - WF (C4108-WF)	1,270	231	360	360	360	360	360	360	3,661
Mercer Corridor Project East Phase - WF (C4114-WF)	3,428	175	0	0	0	0	0	0	3,603
Mercer Corridor Project West Phase - WF (C4133-WF)	1,416	293	11	0	0	0	0	0	1,721
Meter Replacement - WF (C4101-WF)	6,312	900	598	601	608	615	521	531	10,686

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Project Summary

<b>BCL/Program Name/</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Operational Facility - Construction - WF (C4106-WF)	3,207	1,753	4,466	4,259	13,186	7,834	6,832	3,237	44,774
Operational Facility - Other - WF (C4115-WF)	864	215	0	0	0	0	0	0	1,079
Operations Control Center - WF (C4105-WF)	1,401	140	670	716	10	0	315	945	4,197
Other Major Transportation Projects - WF (C4123-WF)	199	422	50	250	500	500	0	0	1,921
Regional Facility - WF (C4107-WF)	21,332	1,570	8,509	5,449	541	925	2,900	7,650	48,875
Security Improvements - WF (C4113-WF)	5,406	788	934	838	1,060	938	938	938	11,838
Sound Transit - North Link - WF (C4135-WF)	872	485	192	112	105	73	0	0	1,838
Sound Transit - Water Betterment (C4125)	1,502	886	0	0	0	0	0	0	2,388
Sound Transit University Link - WF (C4110-WF)	408	106	0	0	0	0	0	0	514
Sound Transit-East Link (C4122-WF)	13	421	155	50	25	0	0	0	663
Yesler Terrace-WF (C4136-WF)	236	845	0	0	0	0	0	0	1,081
<b>Shared Cost Projects</b>	<b>88,991</b>	<b>28,981</b>	<b>35,634</b>	<b>38,399</b>	<b>39,352</b>	<b>23,476</b>	<b>23,496</b>	<b>25,580</b>	<b>303,908</b>
<b>Technology</b>							<b>BCL/Program Code:</b>		<b>C510B</b>
Asset Information Management (C5407)	95	1,295	806	547	866	1,082	840	840	6,372
Customer Contact & Billing (C5402)	11,756	5,377	3,116	971	720	1,100	420	420	23,879
Enterprise Information Management (C5403)	5,294	2,776	392	283	923	224	840	840	11,572
IT Infrastructure (C5404)	3,086	1,172	249	399	555	819	755	755	7,791
Project Delivery & Performance (C5405)	4,932	6,605	6,081	3,565	745	440	714	714	23,795
Science & System Performance (C5406)	992	272	1,090	1,645	1,300	500	672	672	7,142
<b>Technology</b>	<b>26,155</b>	<b>17,496</b>	<b>11,734</b>	<b>7,410</b>	<b>5,109</b>	<b>4,165</b>	<b>4,241</b>	<b>4,241</b>	<b>80,552</b>
<b>Department Total*:</b>	<b>522,778</b>	<b>101,114</b>	<b>100,325</b>	<b>109,131</b>	<b>106,312</b>	<b>72,844</b>	<b>82,851</b>	<b>85,420</b>	<b>1,180,774</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

**Fund Summary**

<b>Fund Name &amp; Code</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Water Fund (43000)	522,778	101,114	100,325	109,131	106,312	72,844	82,851	85,420	1,180,774
<b>Department Total*:</b>	522,778	101,114	100,325	109,131	106,312	72,844	82,851	85,420	1,180,774

*\*Amounts in thousands of dollars*

**1% for the Arts - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	C4118-WF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project 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 project. Funds contributed to the 1% for Art project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,548	2,994	187	293	382	172	130	97	5,803
<b>Total:</b>	1,548	2,994	187	293	382	172	130	97	5,803
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,548	2,994	187	293	382	172	130	97	5,803
<b>Total*:</b>	1,548	2,994	187	293	382	172	130	97	5,803
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		101	186	295	382	172	130	97	1,363
<b>Total:</b>		101	186	295	382	172	130	97	1,363

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Alaskan Way Viaduct & Seawall Replacement Program - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	C4102-WF	<b>End Date:</b>	Q4/2021
<b>Location:</b>	SR 99 / Battery St		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project 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 project (AWVSR project.) The Washington State Department of Transportation (WSDOT) is the lead for the SR 99 replacement, while the City of Seattle is the lead on development of the waterfront public space, implementation of the new surface Alaskan Way, and design and construction of the seawall.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	22,671	5,548	3,891	2,548	1,343	509	200	21	36,733
<b>Total:</b>	22,671	5,548	3,891	2,548	1,343	509	200	21	36,733
<b>Fund Appropriations/Allocations</b>									
Water Fund	22,671	5,548	3,891	2,548	1,343	509	200	21	36,733
<b>Total*:</b>	22,671	5,548	3,891	2,548	1,343	509	200	21	36,733
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		10,698	3,891	2,548	1,343	509	200	21	19,211
<b>Total:</b>		10,698	3,891	2,548	1,343	509	200	21	19,211

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Ballard Locks Improvements**

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

This project 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 project is a requirement of the Cedar River Habitat Conservation Plan (HCP.)

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	459	236	140	145	150	155	160	165	1,610
<b>Total:</b>	459	236	140	145	150	155	160	165	1,610
<b>Fund Appropriations/Allocations</b>									
Water Fund	459	236	140	145	150	155	160	165	1,610
<b>Total*:</b>	459	236	140	145	150	155	160	165	1,610
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		100	140	145	150	155	160	165	1,015
<b>Total:</b>		100	140	145	150	155	160	165	1,015

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Bridging the Gap - WF**

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

This multi-year project 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" project. SPU assesses the condition of its utility infrastructure at SDOT's project sites and conducts repairs and improvements as needed.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	5,399	8,086	11,791	13,784	14,459	9,050	9,000	9,000	80,568
<b>Total:</b>	5,399	8,086	11,791	13,784	14,459	9,050	9,000	9,000	80,568
<b>Fund Appropriations/Allocations</b>									
Water Fund	5,399	8,086	11,791	13,784	14,459	9,050	9,000	9,000	80,568
<b>Total*:</b>	5,399	8,086	11,791	13,784	14,459	9,050	9,000	9,000	80,568
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		3,546	11,791	13,784	14,459	9,050	9,000	9,000	70,629
<b>Total:</b>		3,546	11,791	13,784	14,459	9,050	9,000	9,000	70,629

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cathodic Protection Program**

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

This ongoing project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	723	1,527	1,889	633	2,112	616	2,320	624	10,444
<b>Total:</b>	723	1,527	1,889	633	2,112	616	2,320	624	10,444
<b>Fund Appropriations/Allocations</b>									
Water Fund	723	1,527	1,889	633	2,112	616	2,320	624	10,444
<b>Total*:</b>	723	1,527	1,889	633	2,112	616	2,320	624	10,444
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,385	1,889	633	2,112	616	2,320	624	9,579
<b>Total:</b>		1,385	1,889	633	2,112	616	2,320	624	9,579

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Bridges**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	498	1	1	901	1	100	15	0	1,517
<b>Total:</b>	498	1	1	901	1	100	15	0	1,517
<b>Fund Appropriations/Allocations</b>									
Water Fund	498	1	1	901	1	100	15	0	1,517
<b>Total*:</b>	498	1	1	901	1	100	15	0	1,517
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		2	1	901	1	100	15	0	1,020
<b>Total:</b>		2	1	901	1	100	15	0	1,020

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Cedar Sockeye Hatchery**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	10,058	70	0	0	0	0	0	0	10,128
<b>Total:</b>	10,058	70	0	0	0	0	0	0	10,128
<b>Fund Appropriations/Allocations</b>									
Water Fund	10,058	70	0	0	0	0	0	0	10,128
<b>Total*:</b>	10,058	70	0	0	0	0	0	0	10,128
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Chamber Upgrades - Distribution**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	236	28	28	29	29	30	30	30	440
<b>Total:</b>	236	28	28	29	29	30	30	30	440
<b>Fund Appropriations/Allocations</b>									
Water Fund	236	28	28	29	29	30	30	30	440
<b>Total*:</b>	236	28	28	29	29	30	30	30	440
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Dam Safety Program**

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

This ongoing project 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 project ensures the continuing safe functioning, operation and monitoring of SPU's water supply dams and associated facilities per Federal Energy Regulatory Commission (FERC), state and local regulations, and SPU requirements to prevent loss of life and/or property damage and loss of SPU's ability to deliver reliable drinking water supply to its customers.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	5,934	2,080	2,763	995	1,025	875	1,175	1,175	16,021
<b>Total:</b>	5,934	2,080	2,763	995	1,025	875	1,175	1,175	16,021
<b>Fund Appropriations/Allocations</b>									
Water Fund	5,934	2,080	2,763	995	1,025	875	1,175	1,175	16,021
<b>Total*:</b>	5,934	2,080	2,763	995	1,025	875	1,175	1,175	16,021
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,113	2,763	995	1,025	875	1,175	1,175	9,120
<b>Total:</b>		1,113	2,763	995	1,025	875	1,175	1,175	9,120

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Distribution System Improvements**

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

This ongoing project 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 water main pipelines and pressure reducing valves. These improvements to service levels meet Washington Department of Health (DOH) regulations and SPU's Distribution System Pressure Policy to provide greater than 20 psi service pressure. These improvements provide higher flow of water for fire protection which improves public safety and results in smaller and shorter fires.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	7,075	3,030	2,010	3,000	3,500	4,000	4,000	4,000	30,615
<b>Total:</b>	7,075	3,030	2,010	3,000	3,500	4,000	4,000	4,000	30,615
<b>Fund Appropriations/Allocations</b>									
Water Fund	7,075	3,030	2,010	3,000	3,500	4,000	4,000	4,000	30,615
<b>Total*:</b>	7,075	3,030	2,010	3,000	3,500	4,000	4,000	4,000	30,615
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		2,984	2,010	3,000	3,500	4,000	4,000	4,000	23,494
<b>Total:</b>		2,984	2,010	3,000	3,500	4,000	4,000	4,000	23,494

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Distribution System In-Line Gate Valves**

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

This ongoing project replaces line valves in the water distribution system throughout the City of Seattle that fail or are obsolete due to age or lack of replacement parts. The replacement of these gate valves extends the useful life of the water main 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 water main shut down.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,172	417	338	345	351	359	366	373	3,721
<b>Total:</b>	1,172	417	338	345	351	359	366	373	3,721
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,172	417	338	345	351	359	366	373	3,721
<b>Total*:</b>	1,172	417	338	345	351	359	366	373	3,721
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		331	338	345	351	359	366	373	2,463
<b>Total:</b>		331	338	345	351	359	366	373	2,463

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Downstream Fish Habitat**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	8,647	724	650	1,175	1,125	532	0	0	12,853
<b>Total:</b>	8,647	724	650	1,175	1,125	532	0	0	12,853
<b>Fund Appropriations/Allocations</b>									
Water Fund	8,647	724	650	1,175	1,125	532	0	0	12,853
<b>Total*:</b>	8,647	724	650	1,175	1,125	532	0	0	12,853
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		850	650	1,175	1,125	532	0	0	4,332
<b>Total:</b>		850	650	1,175	1,125	532	0	0	4,332

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Emergency Storms - WF**

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

This ongoing project funds water infrastructure capital improvement projects resulting from previous and possible future storm events. Projects within this project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	323	150	100	100	100	100	0	0	873
<b>Total:</b>	323	150	100	100	100	100	0	0	873
<b>Fund Appropriations/Allocations</b>									
Water Fund	323	150	100	100	100	100	0	0	873
<b>Total*:</b>	323	150	100	100	100	100	0	0	873
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		100	100	100	100	100	0	0	500
<b>Total:</b>		100	100	100	100	100	0	0	500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Environmental Stewardship**

<b>BCL/Program Name:</b>	Watershed Stewardship	<b>BCL/Program Code:</b>	C130B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	C1301	<b>End Date:</b>	Q4/2017
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This project provides improvements to facilities and remediation for identified soil contamination at various locations in City watershed areas, railroad right-of-way, and transmission pipelines.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	127	390	64	75	82	65	90	65	959
<b>Total:</b>	127	390	64	75	82	65	90	65	959
<b>Fund Appropriations/Allocations</b>									
Water Fund	127	390	64	75	82	65	90	65	959
<b>Total*:</b>	127	390	64	75	82	65	90	65	959
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		341	64	75	82	65	90	65	782
<b>Total:</b>		341	64	75	82	65	90	65	782

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**First Hill Streetcar - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	C4130-WF	<b>End Date:</b>	Q4/2018
<b>Location:</b>	First Hill		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	679	676	1,021	6,541	4,674	0	0	0	13,590
<b>Total:</b>	679	676	1,021	6,541	4,674	0	0	0	13,590
<b>Fund Appropriations/Allocations</b>									
Water Fund	679	676	1,021	6,541	4,674	0	0	0	13,590
<b>Total*:</b>	679	676	1,021	6,541	4,674	0	0	0	13,590
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		955	1,021	6,541	4,674	0	0	0	13,191
<b>Total:</b>		955	1,021	6,541	4,674	0	0	0	13,191

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Hatchery Works**

<b>BCL/Program Name:</b>	Water Resources	<b>BCL/Program Code:</b>	C150B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C1511	<b>End Date:</b>	Q4/2021
<b>Location:</b>	Cedar River Watershed		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides improvements to the sockeye salmon hatchery, including improvements to the Broodstock collection facility, improvements to the hatchery spring water pumps, improvements to adult holding ponds ,and additions for water redundancy. These facilities are a requirement of the Landsburg Mitigation Agreement and the Muckleshoot Settlement Agreement.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	300	2,379	5,330	380	500	500	250	9,639
<b>Total:</b>	0	300	2,379	5,330	380	500	500	250	9,639
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	300	2,379	5,330	380	500	500	250	9,639
<b>Total*:</b>	0	300	2,379	5,330	380	500	500	250	9,639
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		314	2,379	5,330	380	500	500	250	9,653
<b>Total:</b>		314	2,379	5,330	380	500	500	250	9,653

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Heavy Equipment Purchases - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	C4116-WF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	10,505	2,297	2,700	2,500	2,000	2,400	2,300	2,800	27,502
<b>Total:</b>	10,505	2,297	2,700	2,500	2,000	2,400	2,300	2,800	27,502
<b>Fund Appropriations/Allocations</b>									
Water Fund	10,505	2,297	2,700	2,500	2,000	2,400	2,300	2,800	27,502
<b>Total*:</b>	10,505	2,297	2,700	2,500	2,000	2,400	2,300	2,800	27,502
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		3,857	2,700	2,500	2,000	2,400	2,300	2,800	18,557
<b>Total:</b>		3,857	2,700	2,500	2,000	2,400	2,300	2,800	18,557

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Instream Flow Management Studies**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	2,110	220	142	147	152	157	160	165	3,253
<b>Total:</b>	2,110	220	142	147	152	157	160	165	3,253
<b>Fund Appropriations/Allocations</b>									
Water Fund	2,110	220	142	147	152	157	160	165	3,253
<b>Total*:</b>	2,110	220	142	147	152	157	160	165	3,253
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		102	142	147	152	157	160	165	1,025
<b>Total:</b>		102	142	147	152	157	160	165	1,025

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Integrated Control Monitoring Program - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2002
<b>Project ID:</b>	C4108-WF	<b>End Date:</b>	Q4/2022
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides for electronic and mechanical system upgrades as required at various City facilities. The drinking water Supervisory Control and Data Acquisition (SCADA) system was installed in 2005 (C195008) throughout King County. System components include, but is not limited to, treatment/flow/pressure sensors, remote control pumps/valves used in the conveyance and quality of drinking water and the delivery of water to fire hydrants, also known as "fire flow".

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,270	231	360	360	360	360	360	360	3,661
<b>Total:</b>	1,270	231	360	360	360	360	360	360	3,661
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,270	231	360	360	360	360	360	360	3,661
<b>Total*:</b>	1,270	231	360	360	360	360	360	360	3,661
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		313	360	360	360	360	360	360	2,473
<b>Total:</b>		313	360	360	360	360	360	360	2,473

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Kerriston Road**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	0	0	0	0	0	0	0	0
<b>Total:</b>	0	0	0	0	0	0	0	0	0
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Landsburg Chlorination Upgrades**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	0	0	0	0	0	0	0	0
<b>Total:</b>	0	0	0	0	0	0	0	0	0
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	0	0	0	0	0	0	0	0	0
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Mercer Corridor Project East Phase - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C4114-WF	<b>End Date:</b>	Q3/2016
<b>Location:</b>	South Lake Union		
<b>Neighborhood Plan:</b>	South Lake Union	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Lake Union	<b>Urban Village:</b>	South Lake Union

This project 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 project also funds planning-level coordination with other City departments on projects within the South Lake Union area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	3,428	175	0	0	0	0	0	0	3,603
<b>Total:</b>	3,428	175	0	0	0	0	0	0	3,603
<b>Fund Appropriations/Allocations</b>									
Water Fund	3,428	175	0	0	0	0	0	0	3,603
<b>Total*:</b>	3,428	175	0	0	0	0	0	0	3,603
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Mercer Corridor Project West Phase - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2010
<b>Project ID:</b>	C4133-WF	<b>End Date:</b>	Q4/2016
<b>Location:</b>	Mercer ST Mercer ST/Elliot AVE W/Dexter AVE N		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,416	293	11	0	0	0	0	0	1,721
<b>Total:</b>	1,416	293	11	0	0	0	0	0	1,721
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,416	293	11	0	0	0	0	0	1,721
<b>Total*:</b>	1,416	293	11	0	0	0	0	0	1,721
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		30	11	0	0	0	0	0	41
<b>Total:</b>		30	11	0	0	0	0	0	41

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Meter Replacement - WF**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	6,312	900	598	601	608	615	521	531	10,686
<b>Total:</b>	6,312	900	598	601	608	615	521	531	10,686
<b>Fund Appropriations/Allocations</b>									
Water Fund	6,312	900	598	601	608	615	521	531	10,686
<b>Total*:</b>	6,312	900	598	601	608	615	521	531	10,686
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		524	598	601	608	615	521	531	3,997
<b>Total:</b>		524	598	601	608	615	521	531	3,997

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Morse Lake Pump Plant**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	32,455	8,324	272	0	0	0	0	0	41,051
<b>Total:</b>	32,455	8,324	272	0	0	0	0	0	41,051
<b>Fund Appropriations/Allocations</b>									
Water Fund	32,455	8,324	272	0	0	0	0	0	41,051
<b>Total*:</b>	32,455	8,324	272	0	0	0	0	0	41,051
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		11,844	272	0	0	0	0	0	12,116
<b>Total:</b>		11,844	272	0	0	0	0	0	12,116

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Multiple Utility Relocation**

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

This ongoing project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	5,810	1,524	500	501	500	500	500	500	10,335
<b>Total:</b>	5,810	1,524	500	501	500	500	500	500	10,335
<b>Fund Appropriations/Allocations</b>									
Water Fund	5,810	1,524	500	501	500	500	500	500	10,335
<b>Total*:</b>	5,810	1,524	500	501	500	500	500	500	10,335
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		113	500	501	500	500	500	500	3,114
<b>Total:</b>		113	500	501	500	500	500	500	3,114

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Operational Facility - Construction - WF**

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

This ongoing facilities project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	3,207	1,753	4,466	4,259	13,186	7,834	6,832	3,237	44,774
<b>Total:</b>	3,207	1,753	4,466	4,259	13,186	7,834	6,832	3,237	44,774
<b>Fund Appropriations/Allocations</b>									
Water Fund	3,207	1,753	4,466	4,259	13,186	7,834	6,832	3,237	44,774
<b>Total*:</b>	3,207	1,753	4,466	4,259	13,186	7,834	6,832	3,237	44,774
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		2,740	4,466	4,259	13,186	7,834	6,832	3,237	42,554
<b>Total:</b>		2,740	4,466	4,259	13,186	7,834	6,832	3,237	42,554

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Operational Facility - Other - WF**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	864	215	0	0	0	0	0	0	1,079
<b>Total:</b>	864	215	0	0	0	0	0	0	1,079
<b>Fund Appropriations/Allocations</b>									
Water Fund	864	215	0	0	0	0	0	0	1,079
<b>Total*:</b>	864	215	0	0	0	0	0	0	1,079
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		81	0	0	0	0	0	0	81
<b>Total:</b>		81	0	0	0	0	0	0	81

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Operations Control Center - WF**

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

This ongoing facilities project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,401	140	670	716	10	0	315	945	4,197
<b>Total:</b>	1,401	140	670	716	10	0	315	945	4,197
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,401	140	670	716	10	0	315	945	4,197
<b>Total*:</b>	1,401	140	670	716	10	0	315	945	4,197
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		471	670	716	10	0	315	945	3,126
<b>Total:</b>		471	670	716	10	0	315	945	3,126

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Other Major Transportation Projects - WF**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	199	422	50	250	500	500	0	0	1,921
<b>Total:</b>	199	422	50	250	500	500	0	0	1,921
<b>Fund Appropriations/Allocations</b>									
Water Fund	199	422	50	250	500	500	0	0	1,921
<b>Total*:</b>	199	422	50	250	500	500	0	0	1,921
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		120	50	250	500	500	0	0	1,420
<b>Total:</b>		120	50	250	500	500	0	0	1,420

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Pump Station Improvements**

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

This ongoing project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	264	746	800	600	250	250	500	500	3,910
<b>Total:</b>	264	746	800	600	250	250	500	500	3,910
<b>Fund Appropriations/Allocations</b>									
Water Fund	264	746	800	600	250	250	500	500	3,910
<b>Total*:</b>	264	746	800	600	250	250	500	500	3,910
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		300	800	600	250	250	500	500	3,200
<b>Total:</b>		300	800	600	250	250	500	500	3,200

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Purveyor Meters Replace - SPU**

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

This ongoing project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	771	363	208	213	218	223	100	100	2,196
<b>Total:</b>	771	363	208	213	218	223	100	100	2,196
<b>Fund Appropriations/Allocations</b>									
Water Fund	771	363	208	213	218	223	100	100	2,196
<b>Total*:</b>	771	363	208	213	218	223	100	100	2,196
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		204	208	213	218	223	100	100	1,266
<b>Total:</b>		204	208	213	218	223	100	100	1,266

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Regional Facility - WF**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	21,332	1,570	8,509	5,449	541	925	2,900	7,650	48,875
<b>Total:</b>	21,332	1,570	8,509	5,449	541	925	2,900	7,650	48,875
<b>Fund Appropriations/Allocations</b>									
Water Fund	21,332	1,570	8,509	5,449	541	925	2,900	7,650	48,875
<b>Total*:</b>	21,332	1,570	8,509	5,449	541	925	2,900	7,650	48,875
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,405	8,509	5,449	541	925	2,900	7,650	27,378
<b>Total:</b>		1,405	8,509	5,449	541	925	2,900	7,650	27,378

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Regional Water Conservation Program**

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

This ongoing project 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 project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	21,964	2,177	1,406	1,439	1,570	1,610	1,746	1,883	33,795
<b>Total:</b>	21,964	2,177	1,406	1,439	1,570	1,610	1,746	1,883	33,795
<b>Fund Appropriations/Allocations</b>									
Water Fund	21,964	2,177	1,406	1,439	1,570	1,610	1,746	1,883	33,795
<b>Total*:</b>	21,964	2,177	1,406	1,439	1,570	1,610	1,746	1,883	33,795
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,358	1,406	1,439	1,570	1,610	1,746	1,883	11,012
<b>Total:</b>		1,358	1,406	1,439	1,570	1,610	1,746	1,883	11,012

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Replace Air Valve Chambers**

<b>BCL/Program Name:</b>	Transmission	<b>BCL/Program Code:</b>	C120B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q3/1999
<b>Project ID:</b>	C1209	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,088	125	125	127	130	133	130	130	1,987
<b>Total:</b>	1,088	125	125	127	130	133	130	130	1,987
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,088	125	125	127	130	133	130	130	1,987
<b>Total*:</b>	1,088	125	125	127	130	133	130	130	1,987
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		125	125	127	130	133	130	130	899
<b>Total:</b>		125	125	127	130	133	130	130	899

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Reservoir Covering-Bitter Lake**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	0	25	75	590	1,790	7,310	18,650	28,440
<b>Total:</b>	0	0	25	75	590	1,790	7,310	18,650	28,440
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	0	25	75	590	1,790	7,310	18,650	28,440
<b>Total*:</b>	0	0	25	75	590	1,790	7,310	18,650	28,440
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Reservoir Covering - Beacon**

<b>BCL/Program Name:</b>	Water Quality & Treatment	<b>BCL/Program Code:</b>	C140B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2001
<b>Project ID:</b>	C1408	<b>End Date:</b>	Q4/2018
<b>Location:</b>	S Spokane St and Beacon Ave S		
<b>Neighborhood Plan:</b>	North Beacon Hill	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Not in an Urban Village

This project includes Seismic Retrofits at Beacon Reservoir using the Soil-Structure Interaction Seismic Analysis approach for design to determine its seismic performance during ground shaking and to assess whether or not a seismic deficiency exists.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,936	135	8,153	10	0	0	0	0	10,234
<b>Total:</b>	1,936	135	8,153	10	0	0	0	0	10,234
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,936	135	8,153	10	0	0	0	0	10,234
<b>Total*:</b>	1,936	135	8,153	10	0	0	0	0	10,234
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,382	8,153	10	0	0	0	0	9,545
<b>Total:</b>		1,382	8,153	10	0	0	0	0	9,545

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Reservoir Covering - Maple Leaf**

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

This project includes Seismic Retrofits at Maple Leaf Reservoir using the Soil-Structure Interaction Seismic Analysis approach for design to determine its seismic performance during ground shaking and to assess whether or not a seismic deficiency exists.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	45,500	2,117	6	0	0	0	0	0	47,624
<b>Total:</b>	45,500	2,117	6	0	0	0	0	0	47,624
<b>Fund Appropriations/Allocations</b>									
Water Fund	45,500	2,117	6	0	0	0	0	0	47,624
<b>Total*:</b>	45,500	2,117	6	0	0	0	0	0	47,624
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		424	6	0	0	0	0	0	430
<b>Total:</b>		424	6	0	0	0	0	0	430

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Reservoir Covering - Myrtle**

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

This project includes Seismic Retrofits at Myrtle Reservoir using the Soil-Structure Interaction Seismic Analysis approach for design to determine its seismic performance during ground shaking and to assess whether or not a seismic deficiency exists.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,547	199	0	0	0	0	0	0	1,746
<b>Total:</b>	1,547	199	0	0	0	0	0	0	1,746
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,547	199	0	0	0	0	0	0	1,746
<b>Total*:</b>	1,547	199	0	0	0	0	0	0	1,746
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		68	0	0	0	0	0	0	68
<b>Total:</b>		68	0	0	0	0	0	0	68

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Reservoir Covering - West Seattle**

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

This project includes Seismic Retrofits at West Seattle Reservoir using the Soil-Structure Interaction Seismic Analysis approach for design to determine its seismic performance during ground shaking and to assess whether or not a seismic deficiency exists.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	42,364	866	0	0	0	0	0	0	43,230
<b>Total:</b>	42,364	866	0	0	0	0	0	0	43,230
<b>Fund Appropriations/Allocations</b>									
Water Fund	42,364	866	0	0	0	0	0	0	43,230
<b>Total*:</b>	42,364	866	0	0	0	0	0	0	43,230
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		35	0	0	0	0	0	0	35
<b>Total:</b>		35	0	0	0	0	0	0	35

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Reservoir Covering-Lake Forest Park**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	0	25	50	590	1,200	9,750	620	12,235
<b>Total:</b>	0	0	25	50	590	1,200	9,750	620	12,235
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	0	25	50	590	1,200	9,750	620	12,235
<b>Total*:</b>	0	0	25	50	590	1,200	9,750	620	12,235
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Seattle Direct Service Additional Conservation**

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

This ongoing project 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 project (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.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	3,297	681	697	713	729	746	863	880	8,606
<b>Total:</b>	3,297	681	697	713	729	746	863	880	8,606
<b>Fund Appropriations/Allocations</b>									
Water Fund	3,297	681	697	713	729	746	863	880	8,606
<b>Total*:</b>	3,297	681	697	713	729	746	863	880	8,606
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		791	697	713	729	746	863	880	5,419
<b>Total:</b>		791	697	713	729	746	863	880	5,419

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Security Improvements - WF**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2005
<b>Project ID:</b>	C4113-WF	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide 0/0/0		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project 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.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	5,406	788	934	838	1,060	938	938	938	11,838
<b>Total:</b>	5,406	788	934	838	1,060	938	938	938	11,838
<b>Fund Appropriations/Allocations</b>									
Water Fund	5,406	788	934	838	1,060	938	938	938	11,838
<b>Total*:</b>	5,406	788	934	838	1,060	938	938	938	11,838
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,201	934	838	1,060	938	938	938	6,845
<b>Total:</b>		1,201	934	838	1,060	938	938	938	6,845

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit - North Link - WF**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	872	485	192	112	105	73	0	0	1,838
<b>Total:</b>	872	485	192	112	105	73	0	0	1,838
<b>Fund Appropriations/Allocations</b>									
Water Fund	872	485	192	112	105	73	0	0	1,838
<b>Total*:</b>	872	485	192	112	105	73	0	0	1,838
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		308	192	112	105	73	0	0	789
<b>Total:</b>		308	192	112	105	73	0	0	789

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit - Water Betterment**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	C4125	<b>End Date:</b>	Q4/2018
<b>Location:</b>	Central & South areas of Seattle		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	1,502	886	0	0	0	0	0	0	2,388
<b>Total:</b>	1,502	886	0	0	0	0	0	0	2,388
<b>Fund Appropriations/Allocations</b>									
Water Fund	1,502	886	0	0	0	0	0	0	2,388
<b>Total*:</b>	1,502	886	0	0	0	0	0	0	2,388
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit University Link - WF**

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

This project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	408	106	0	0	0	0	0	0	514
<b>Total:</b>	408	106	0	0	0	0	0	0	514
<b>Fund Appropriations/Allocations</b>									
Water Fund	408	106	0	0	0	0	0	0	514
<b>Total*:</b>	408	106	0	0	0	0	0	0	514
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		13	0	0	0	0	0	0	13
<b>Total:</b>		13	0	0	0	0	0	0	13

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Sound Transit-East Link**

<b>BCL/Program Name:</b>	Shared Cost Projects	<b>BCL/Program Code:</b>	C410B
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q2/2013
<b>Project ID:</b>	C4122-WF	<b>End Date:</b>	Q4/2019
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	13	421	155	50	25	0	0	0	663
<b>Total:</b>	13	421	155	50	25	0	0	0	663
<b>Fund Appropriations/Allocations</b>									
Water Fund	13	421	155	50	25	0	0	0	663
<b>Total*:</b>	13	421	155	50	25	0	0	0	663
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		159	155	50	25	0	0	0	388
<b>Total:</b>		159	155	50	25	0	0	0	388

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Stream & Riparian Restoration**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	3,836	250	215	217	219	220	244	245	5,446
<b>Total:</b>	3,836	250	215	217	219	220	244	245	5,446
<b>Fund Appropriations/Allocations</b>									
Water Fund	3,836	250	215	217	219	220	244	245	5,446
<b>Total*:</b>	3,836	250	215	217	219	220	244	245	5,446
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		186	215	217	219	220	244	245	1,546
<b>Total:</b>		186	215	217	219	220	244	245	1,546

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Tank Improvements**

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

This ongoing project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	2,472	750	265	1,875	4,452	3,000	450	1,000	14,264
<b>Total:</b>	2,472	750	265	1,875	4,452	3,000	450	1,000	14,264
<b>Fund Appropriations/Allocations</b>									
Water Fund	2,472	750	265	1,875	4,452	3,000	450	1,000	14,264
<b>Total*:</b>	2,472	750	265	1,875	4,452	3,000	450	1,000	14,264
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		208	265	1,875	4,452	3,000	450	1,000	11,250
<b>Total:</b>		208	265	1,875	4,452	3,000	450	1,000	11,250

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Tolt Bridges**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	450	1	1	1	0	0	0	453
<b>Total:</b>	0	450	1	1	1	0	0	0	453
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	450	1	1	1	0	0	0	453
<b>Total*:</b>	0	450	1	1	1	0	0	0	453
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		0	1	1	1	0	0	0	3
<b>Total:</b>		0	1	1	1	0	0	0	3

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Tolt Watershed Restoration**

<b>BCL/Program Name:</b>	Watershed Stewardship	<b>BCL/Program Code:</b>	C130B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	C1310	<b>End Date:</b>	Q4/2016
<b>Location:</b>	Tolt River Watershed		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Outside Seattle
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides aquatic and riparian restoration, and funds improvements and decommissioning of the road system in the Tolt River Municipal Watershed and is based upon best practices for land management. Projects are based upon recommendations of the 2011 Tolt Watershed Management Plan.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	292	0	0	0	0	0	0	0	292
<b>Total:</b>	292	0	0	0	0	0	0	0	292
<b>Fund Appropriations/Allocations</b>									
Water Fund	292	0	0	0	0	0	0	0	292
<b>Total*:</b>	292	0	0	0	0	0	0	0	292
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Pipelines Rehabilitation**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	3,088	2,568	3,283	21,431	21,435	5,356	1,850	1,500	60,511
<b>Total:</b>	3,088	2,568	3,283	21,431	21,435	5,356	1,850	1,500	60,511
<b>Fund Appropriations/Allocations</b>									
Water Fund	3,088	2,568	3,283	21,431	21,435	5,356	1,850	1,500	60,511
<b>Total*:</b>	3,088	2,568	3,283	21,431	21,435	5,356	1,850	1,500	60,511
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		1,112	3,283	21,431	21,435	5,356	1,850	1,500	55,967
<b>Total:</b>		1,112	3,283	21,431	21,435	5,356	1,850	1,500	55,967

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Transmission Right-of-Way Improvements**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	272	0	0	0	0	0	0	0	272
<b>Total:</b>	272	0	0	0	0	0	0	0	272
<b>Fund Appropriations/Allocations</b>									
Water Fund	272	0	0	0	0	0	0	0	272
<b>Total*:</b>	272	0	0	0	0	0	0	0	272
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		40	0	0	0	0	0	0	40
<b>Total:</b>		40	0	0	0	0	0	0	40

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Treatment Facility/Water Quality Improvements**

<b>BCL/Program Name:</b>	Water Quality & Treatment	<b>BCL/Program Code:</b>	C140B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2007
<b>Project ID:</b>	C1413	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	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. It enhances SPU's ability to address water system improvement needs that relate to public health protection and drinking water regulatory compliance.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	449	322	234	250	250	480	150	150	2,286
<b>Total:</b>	449	322	234	250	250	480	150	150	2,286
<b>Fund Appropriations/Allocations</b>									
Water Fund	449	322	234	250	250	480	150	150	2,286
<b>Total*:</b>	449	322	234	250	250	480	150	150	2,286
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		250	234	250	250	480	150	150	1,764
<b>Total:</b>		250	234	250	250	480	150	150	1,764

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Upland Reserve Forest Restoration**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	6,926	93	82	82	83	82	82	82	7,513
<b>Total:</b>	6,926	93	82	82	83	82	82	82	7,513
<b>Fund Appropriations/Allocations</b>									
Water Fund	6,926	93	82	82	83	82	82	82	7,513
<b>Total*:</b>	6,926	93	82	82	83	82	82	82	7,513
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		101	82	82	83	82	82	82	595
<b>Total:</b>		101	82	82	83	82	82	82	595

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Infrastructure - Distribution System Modifications**

<b>BCL/Program Name:</b>	Distribution	<b>BCL/Program Code:</b>	C110B
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	C1138	<b>End Date:</b>	ONGOING
<b>Location:</b>	Citywide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides funding for modifications and relocations of existing Distribution System assets resulting from third party project impacts to Distribution System infrastructure located in the right-of-way or on public property. The costs are recovered from third parties and primarily other public utilities and agencies through Memorandums of Agreement and standard charges. This project covers all Distribution System modifications and relocations that are funded by third parties excluding Water main Extension project projects. The benefit of this project is accommodation of third party development by relocating or modifying existing Distribution System infrastructure, while retaining a Distribution System that continues to provide cost effective service to the ratepayer.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	279	0	104	106	108	110	113	115	936
<b>Total:</b>	279	0	104	106	108	110	113	115	936
<b>Fund Appropriations/Allocations</b>									
Water Fund	279	0	104	106	108	110	113	115	936
<b>Total*:</b>	279	0	104	106	108	110	113	115	936
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Infrastructure - Hydrant Replacement/Relocation**

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

This ongoing project 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 project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	4,643	217	212	216	221	225	230	235	6,198
<b>Total:</b>	4,643	217	212	216	221	225	230	235	6,198
<b>Fund Appropriations/Allocations</b>									
Water Fund	4,643	217	212	216	221	225	230	235	6,198
<b>Total*:</b>	4,643	217	212	216	221	225	230	235	6,198
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		208	212	216	221	225	230	235	1,546
<b>Total:</b>		208	212	216	221	225	230	235	1,546

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Infrastructure - New Hydrants**

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

This ongoing project 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 project helps to reduce the damage as a result of fire by locating new fire hydrants throughout the City's direct service area.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	312	25	13	13	13	14	14	14	418
<b>Total:</b>	312	25	13	13	13	14	14	14	418
<b>Fund Appropriations/Allocations</b>									
Water Fund	312	25	13	13	13	14	14	14	418
<b>Total*:</b>	312	25	13	13	13	14	14	14	418
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		25	13	13	13	14	14	14	106
<b>Total:</b>		25	13	13	13	14	14	14	106

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Infrastructure - New Taps**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	64,195	6,630	8,843	9,020	9,201	9,385	9,572	9,764	126,610
<b>Total:</b>	64,195	6,630	8,843	9,020	9,201	9,385	9,572	9,764	126,610
<b>Fund Appropriations/Allocations</b>									
Water Fund	64,195	6,630	8,843	9,020	9,201	9,385	9,572	9,764	126,610
<b>Total*:</b>	64,195	6,630	8,843	9,020	9,201	9,385	9,572	9,764	126,610
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		8,670	8,843	9,020	9,201	9,385	9,572	9,764	64,455
<b>Total:</b>		8,670	8,843	9,020	9,201	9,385	9,572	9,764	64,455

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Infrastructure - Service Renewal**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	114,679	7,807	7,722	5,837	5,953	6,072	6,193	6,317	160,581
<b>Total:</b>	114,679	7,807	7,722	5,837	5,953	6,072	6,193	6,317	160,581
<b>Fund Appropriations/Allocations</b>									
Water Fund	114,679	7,807	7,722	5,837	5,953	6,072	6,193	6,317	160,581
<b>Total*:</b>	114,679	7,807	7,722	5,837	5,953	6,072	6,193	6,317	160,581
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		7,610	7,722	5,837	5,953	6,072	6,193	6,317	45,705
<b>Total:</b>		7,610	7,722	5,837	5,953	6,072	6,193	6,317	45,705

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Infrastructure - Watermain Extensions**

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

This ongoing project 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 project is that water service is provided to new housing and businesses throughout Seattle.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	2,513	1,127	845	862	879	897	915	897	8,935
<b>Total:</b>	2,513	1,127	845	862	879	897	915	897	8,935
<b>Fund Appropriations/Allocations</b>									
Water Fund	2,513	1,127	845	862	879	897	915	897	8,935
<b>Total*:</b>	2,513	1,127	845	862	879	897	915	897	8,935
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		828	845	862	879	897	915	897	6,123
<b>Total:</b>		828	845	862	879	897	915	897	6,123

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Quality Equipment**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	249	176	0	0	0	0	0	0	425
<b>Total:</b>	249	176	0	0	0	0	0	0	425
<b>Fund Appropriations/Allocations</b>									
Water Fund	249	176	0	0	0	0	0	0	425
<b>Total*:</b>	249	176	0	0	0	0	0	0	425
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		100	0	0	0	0	0	0	100
<b>Total:</b>		100	0	0	0	0	0	0	100

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water Supply Flexibility Program**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	316	1,441	250	0	0	0	0	0	2,007
<b>Total:</b>	316	1,441	250	0	0	0	0	0	2,007
<b>Fund Appropriations/Allocations</b>									
Water Fund	316	1,441	250	0	0	0	0	0	2,007
<b>Total*:</b>	316	1,441	250	0	0	0	0	0	2,007
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		259	250	0	0	0	0	0	509
<b>Total:</b>		259	250	0	0	0	0	0	509

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water System Dewatering**

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

This ongoing project 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	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	59	54	25	27	30	33	35	36	299
<b>Total:</b>	59	54	25	27	30	33	35	36	299
<b>Fund Appropriations/Allocations</b>									
Water Fund	59	54	25	27	30	33	35	36	299
<b>Total*:</b>	59	54	25	27	30	33	35	36	299
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		144	25	27	30	33	35	36	330
<b>Total:</b>		144	25	27	30	33	35	36	330

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Water System Plan - 2019**

<b>BCL/Program Name:</b>	Water Resources	<b>BCL/Program Code:</b>	C150B
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	C1510	<b>End Date:</b>	Q2/2019
<b>Location:</b>	Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	0	0	500	300	50	0	0	0	850
<b>Total:</b>	0	0	500	300	50	0	0	0	850
<b>Fund Appropriations/Allocations</b>									
Water Fund	0	0	500	300	50	0	0	0	850
<b>Total*:</b>	0	0	500	300	50	0	0	0	850
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		110	500	300	50	0	0	0	960
<b>Total:</b>		110	500	300	50	0	0	0	960

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Watermain Rehabilitation**

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

This ongoing project 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 project are restored quality of the delivered water, lower use of chlorine to maintain required chlorine residual, and restored pressures.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	4,413	5,182	6,865	5,742	4,600	4,600	4,600	4,300	40,302
<b>Total:</b>	4,413	5,182	6,865	5,742	4,600	4,600	4,600	4,300	40,302
<b>Fund Appropriations/Allocations</b>									
Water Fund	4,413	5,182	6,865	5,742	4,600	4,600	4,600	4,300	40,302
<b>Total*:</b>	4,413	5,182	6,865	5,742	4,600	4,600	4,600	4,300	40,302
O & M Costs (Savings)			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		4,535	6,865	5,742	4,600	4,600	4,600	4,300	35,242
<b>Total:</b>		4,535	6,865	5,742	4,600	4,600	4,600	4,300	35,242

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Watershed Road Improvement/Decommissioning**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	4,604	1,265	876	840	871	889	951	833	11,130
<b>Total:</b>	4,604	1,265	876	840	871	889	951	833	11,130
<b>Fund Appropriations/Allocations</b>									
Water Fund	4,604	1,265	876	840	871	889	951	833	11,130
<b>Total*:</b>	4,604	1,265	876	840	871	889	951	833	11,130
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		823	876	840	871	889	951	833	6,084
<b>Total:</b>		823	876	840	871	889	951	833	6,084

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Yesler Terrace-WF**

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

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

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Water Rates	236	845	0	0	0	0	0	0	1,081
<b>Total:</b>	236	845	0	0	0	0	0	0	1,081
<b>Fund Appropriations/Allocations</b>									
Water Fund	236	845	0	0	0	0	0	0	1,081
<b>Total*:</b>	236	845	0	0	0	0	0	0	1,081
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Water Fund		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

# **Finance and Administrative Services**

# Finance and Administrative Services

## Overview

The Finance and Administrative Services (FAS) Capital Improvement Program (CIP) is the department's blueprint for planning, replacing, maintaining, remodeling and upgrading facility and IT infrastructure in FAS jurisdiction. This includes general government facilities, facilities leased to community organizations and the Summit Re-Implementation Project. These assets are used by City departments, as well as certain nonprofit agencies that serve the public, to deliver critical services to Seattle residents.

FAS' proposed CIP includes appropriations for ongoing capital programs, and specific capital facilities and enterprise projects with multiyear durations. Multiyear projects are identified by multiple priorities, including City goals (e.g., sustainability, energy efficiency and public safety), code compliance and severity of system deficiencies and importance to tenant department operations. Planned schedules and funding commitments for these types of multiyear projects are typically made every other year in conjunction with the biennial budget process. With exception of the Summit Re-Implementation Project, Seattle IT will propose information technology-related projects with input from FAS to meet FAS business needs.

## 2017-2022 CIP

The six-year FAS CIP includes approximately \$380 million in appropriations for new and existing projects and programs. Some highlights of ongoing programs include:

- **Americans with Disabilities Act: Citywide Capital Projects Coordination** – In 2017, FAS will continue to manage the City's efforts to improve accessibility to City facilities, consistent with the Americans with Disabilities Act (ADA). In this role, FAS conducted a Citywide prioritization process to allocate capital funding for specific ADA improvements among five affected capital departments: Department of Parks and Recreation, Seattle Center, Seattle Public Library, Seattle Department of Transportation (SDOT) and FAS. In 2017, FAS will manage a centralized effort to document compliance and project completion.
- **Americans with Disabilities Act: FAS** – FAS' Capital Development and Construction Management Division (CDCM) is charged with planning, developing and executing ADA improvement projects in FAS-owned facilities. In 2017, CDCM will continue to make ADA improvements at several FAS facilities, and will compile and submit compliance documentation for specific work improvements to comply with Department of Justice ADA regulations and City of Seattle requirements.
- **Asset Preservation** – FAS' asset preservation program continues to preserve and extend the operational capacity and useful lives of existing facilities using facility space rent charges paid by City departments. Some projects planned for 2017-2018 include:
  - Seattle Municipal Tower (SMT) chiller plant replacement
  - SMT 14 demolition and structural repairs
  - roof replacements at Airport Way Center (AWC) maintenance complex
  - AWC Building B seismic retrofit
  - SMT sewer replacement
  - Harbor Patrol bulkhead replacement
  - Fire Station Headquarter cladding restoration
- **Customer Requested Tenant Improvements (CRTI)** – This ongoing program provides a process for FAS/CDCM to manage and execute all public work tenant improvement projects

## 2017-2022 Proposed Capital Improvement Program

## Finance and Administrative Services

and space planning in FAS-owned facilities and leased facilities. FAS/CDCM is also hired by other City departments to manage their facilities' capital improvement projects in non-FAS buildings. The 2017-2018 projects in this program include approximately 200,000 square feet of tenant improvements in SMT, the Seattle Justice Center and Seattle City Hall. Appropriations for FAS' CRTI program serve as a pass-through to the requesting departments that are responsible for all project costs.

- **Fire Facilities and Emergency Response Levy Program** – The 2003 Fire Facilities and Emergency Response Levy Program centered around a nine-year, \$167 million property tax levy approved by voters in November 2003. FAS has used levy proceeds, supplemented by other funding sources, to:
  - upgrade or replace fire stations and other fire facilities;
  - construct a new emergency operations center (EOC) and fire alarm center;
  - build new fireboats; and
  - renovate the Chief Seattle fireboat.

In 2017, FAS will finish construction of the final two new neighborhood fire stations. Completed levy projects, including the new EOC, Joint Training Facility and several neighborhood fire stations, are no longer shown in the CIP.

- **North Precinct**– Replacement or expansion of the existing North Precinct facility has been an identified need for the Seattle Police Department (SPD) since 1998. Significant design and programming work resulted in a CIP project of approximately \$160 million in the 2016-2021 Adopted CIP Budget, including land acquisition. Construction of the project was expected to begin in 2017. However, given concerns about project cost and the need to gather additional input from the community, the project has been delayed and a further facility assessment will be conducted.

Recognizing that significant resources will be needed to replace the existing facility once that assessment is complete, a total of \$15 million is retained in a new capital project. This funding will also be available to fund interim solutions that are identified to address short-term capacity needs at the existing North Precinct.

- **The Summit Re-Implementation (SRI)** – SRI began for all City departments in September 2015 and is progressing toward a “go live” target in early 2018, followed by a stabilization period through April 2018. SRI is the first key deliverable for the City's Financial Management and Accountability Program (FinMAP), which will create common financial management policies and procedures to standardize the use of the City's financial system (Summit) throughout City government. SRI will make progress on many FinMAP objectives, including standardizing departments' use of Summit, optimizing the City's chart of accounts, transitioning to a project-centric accounting model and re-engineering City business processes and department systems to take advantage of PeopleSoft functionality.

The 2017-2018 Proposed Budget reflects the project costs for implementation anticipated to conclude in early 2018, but does not reflect the ongoing operating costs to be incurred in the operations phase to follow, beginning in mid-2018. These costs will be developed as part of the 2018 proposed budget process.

### FAS' new CIP project highlights include:

- **Drive Clean Seattle Fleet EVSE Project** - In March 2016, Mayor Murray launched the Drive Clean Seattle (DCS) initiative. DCS is a comprehensive transportation electrification strategy to transition Seattle's transportation sector from polluting fossil fuels to clean, carbon neutral
- 2017-2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

electricity. The first DCS action item is to transform the City's fleet by reducing emissions from fleet operations by 50% by 2025. Fleet electrification is a key component of the plan. Infrastructure investments are required to support fleet electrification on a large scale.

The 2017-2018 Proposed Budget supports Mayor Murray's Drive Clean Seattle initiative and requests funds for the installation of 150 electric vehicle (EV) charging stations (i.e., electric vehicle supply equipment or EVSE) at the hub location of Seattle Municipal Tower.

### Summary of Upcoming Budget Issues and Challenges

The principal CIP budget issues that FAS faces continue to involve the age and condition of many City-owned buildings and expanding tenants' facility needs.

- **Asset Preservation** – The FAS asset preservation program, created by Ordinance [121642](#), dedicates funds derived from space rent to replace building systems in 100 City buildings inside and outside of the downtown core. Given the number and condition of the buildings (more than 50% of the portfolio is 40 years or older), FAS directs limited asset preservation funds toward building systems that are in such poor repair they risk shutting down a building or otherwise interfering with tenant operations.

Asset preservation work is planned on a six-year cycle and evaluated biennially for specific project development and execution. Department staff use a custom database known as the Unifier Asset Management and Preservation System (Unifier) to maintain building-specific facilities condition indexes and known building deficiencies, as well as to develop sustainment schedules and identify recapitalization requirements in the more than 100 buildings managed by FAS.

- **Expanding Needs** – FAS facilities are occupied by a wide variety of City departments, from the Seattle Police Department and Seattle Fire Department to the Seattle Department of Transportation, Seattle Public Utilities and other tenants (e.g., Washington State Patrol, private business firms, etc.). City department operations grow with increased population and development, more comprehensive regulations and new initiatives. Initiatives such as the waterfront project, Access Seattle and the seawall project may cause a department's space needs to expand, which in turn drives a demand for reorganization and remodeling. As departments contract and expand, FAS proposes space plans that enhance the workplace experience for our tenants by harvesting light with lower panels and including height adjustable desks. The City is using less space for individuals and creating common and collaborative workspaces where shared ideas and innovative, technology-rich space is available for all.

**Thematic Priorities** -FAS is responsible for the operation and maintenance of approximately 3.2 million square feet of building space throughout the city, including police and fire facilities, shops and fleet maintenance facilities, high-rise office space in the civic core, parking garages and some of the City's community-based public service facilities. FAS' capital investments must improve or enhance the operational capacity of these mission-critical systems and facilities. FAS' CIP addresses the following priorities:

#### 1) **Asset Preservation**

As authorized in Ordinance [121642](#), FAS has dedicated annual funding to support the replacement of existing building systems, guided by strict policies to ensure those funds are used exclusively to upgrade or replace failing and existing components, such as roofs, windows, structures, electrical capacity, boilers or other systems at the end of their useful lives.

## 2017-2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### 2) **Sustainability**

The City has adopted several sustainability policies which guide FAS, as a building owner, to focus on meeting the energy-efficiency requirements of the Seattle Energy Code, achieve cost-effective measures to reduce energy use and incorporate other sustainable strategies required by regulations. In the future, FAS will also have to address new sustainability efforts, such as “20 by 20” and the “2030 Challenge,” by proposing additional projects to reduce energy use and greenhouse gas emissions to meet sustainability goals.

### 3) **Race and Social Justice Initiative**

FAS integrates the City’s social equity contracting requirements into all aspects of the execution of CIP projects.

### 4) **Life and Safety Issues**

High priority is given to projects intended to ensure continuity of service at facilities that provide emergency or other essential services (e.g., replacing generators near the end of their useful lives at essential facilities, such as police or fire stations). Projects that respond to potential threats to human life and safety, such as mold and lead abatement and other hazardous conditions in building interiors and structural failures, also receive priority.

### 5) **Federal, State and Local Requirements**

FAS must consider regulatory requirements in assessing capital needs when replacing existing, failing systems in FAS-managed facilities. One example is the Washington Administrative Code requirement of upgrades to fire alarm panels and installation of fire sprinklers when substantial alterations are made in the course of upgrading or modernizing an existing building. Another example is addressing facility improvements required by the ADA, which meet the dual goals of complying with federal requirements and providing equitable access to all.

## **Project Selection Criteria**

Projects to be considered for inclusion in the FAS CIP fit the priority themes above and adhere to the capital and asset preservation policies adopted in Resolution [31203](#). They typically fall into two categories: projects that create or enhance operational effectiveness, or projects that preserve the City’s assets. Facilities-related projects that create or enhance operational effectiveness are solicited from FAS’ tenant departments on an annual basis, internally vetted for timeliness and appropriateness, and evaluated on their own merit. Executive direction is sought for those projects that increase operational capacity for departments and identify areas of opportunity to consider in the course of planning the City’s CIP priorities.

Facility asset preservation projects are compiled from annually updated asset management data generated by building condition assessments, energy audits, performance metrics and other capital planning studies. The Unifier system allows various operational work units to collaborate in one place while scheduling and tracking preventative maintenance activities. The system organizes tasks, such as work-order management, facility maintenance, lease management and maintenance of property information. Energy efficiency and resource conservation elements are considered as a subset when compiling project lists. Elements that extend the useful life of improvements, increase tenant comfort and reduce utility bills are integrated into existing projects where feasible. Resource conservation and energy-efficiency projects are ranked based on estimated payback period.

## **Finance and Administrative Services**

### **Future Projects/What Is On the Horizon**

FAS staff will continue to work with our tenants as their operational needs expand and change. City facilities must be reliable, well maintained and responsive to the needs of operating departments to ensure public safety and the delivery of critical services to its customers.

FAS has several major challenges in the aging infrastructure of our facilities, including the need to address the major maintenance program on the City's 25-year old, 62-story Seattle Municipal Tower.

In addition, planning for police department facility needs in the North end remains a priority for FAS, as well as immediate interim capacity until further facility planning is completed.

### **Anticipated Operating Expenses Associated with Capital Facilities Projects**

New and substantially renovated facilities (such as fire stations) are expected to be more efficient per square foot to operate and maintain than similar older facilities. Asset preservation projects are generally anticipated to have minimal impact on operating and maintenance costs, although in some instances they may lower or increase operating costs. In the case of fire station projects, projected changes in operating costs capture the impacts on both FAS and SFD's operating budgets.

# Finance and Administrative Services

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>ADA Improvements - FAS</b>						<b>BCL/Program Code:</b>			<b>A1ADA</b>
ADA Improvements - FAS (A1ADA01)	923	558	687	0	0	0	0	0	2,168
<b>ADA Improvements - FAS</b>	923	558	687	0	0	0	0	0	2,168
<b>Asset Preservation - Schedule 1 Facilities</b>						<b>BCL/Program Code:</b>			<b>A1APSCH1</b>
Asset Preservation - Schedule 1 Facilities (A1APSCH101)	1,913	5,730	8,652	6,124	4,081	5,307	3,440	4,686	39,933
<b>Asset Preservation - Schedule 1 Facilities</b>	1,913	5,730	8,652	6,124	4,081	5,307	3,440	4,686	39,933
<b>Asset Preservation - Schedule 2 Facilities</b>						<b>BCL/Program Code:</b>			<b>A1APSCH2</b>
Asset Preservation - Schedule 2 Facilities (A1APSCH201)	2,293	3,457	1,848	1,848	1,848	1,848	1,848	1,848	16,838
<b>Asset Preservation - Schedule 2 Facilities</b>	2,293	3,457	1,848	1,848	1,848	1,848	1,848	1,848	16,838
<b>Civic Square</b>						<b>BCL/Program Code:</b>			<b>A1GM5</b>
Civic Square (A1GM501)	484	758	0	0	0	0	0	0	1,242
<b>Civic Square</b>	484	758	0	0	0	0	0	0	1,242
<b>FAS Oversight - External Projects</b>						<b>BCL/Program Code:</b>			<b>A1EXT</b>
Energy Efficiency for Municipal Buildings (A1EXT02)	200	2,363	2,500	2,500	2,500	2,500	0	0	12,563
Fire Station 5 Energy Efficiency (A1EXT03)	0	500	0	0	0	0	0	0	500
<b>FAS Oversight - External Projects</b>	200	2,863	2,500	2,500	2,500	2,500	0	0	13,063
<b>Garden of Remembrance</b>						<b>BCL/Program Code:</b>			<b>A51647</b>
Garden of Remembrance (A11452)	352	26	27	28	28	29	30	30	551
<b>Garden of Remembrance</b>	352	26	27	28	28	29	30	30	551
<b>General Government Facilities - General</b>						<b>BCL/Program Code:</b>			<b>A1GM1</b>
ADA Improvements - Citywide (A1GM902)	481	324	172	0	0	0	0	0	977
Benaroya Hall Transforming Soundbridge (A1GM1BH02)	0	0	725	775	0	0	0	0	1,500
City Hall and Seattle Municipal Tower Tenant Improvements (A1GM118)	738	3,274	700	0	0	0	0	0	4,712
Customer Requested Tenant Improvement Program (A1GM105)	25,121	12,956	3,500	3,500	3,500	3,500	3,500	0	55,577

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Finance and Administrative Services

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Drive Clean Seattle Fleet Electric Vehicle Infrastructure (A1GM131)	0	0	2,350	0	0	0	0	0	2,350
Seattle City Hall HVAC Improvements (A1GM130)	0	400	500	0	0	0	0	0	900
Seattle Municipal Courts (A1GM129)	200	763	0	0	0	0	0	0	963
Seattle Municipal Tower IDF Infrastructure Upgrades (A1GM127)	0	2,500	0	0	0	0	0	0	2,500
<b>General Government Facilities - General</b>	26,540	20,217	7,947	4,275	3,500	3,500	3,500	0	69,479
<b>Information Technology</b>									<b>A1IT</b>
Summit Re-Implementation (A1IT01)	16,800	31,126	23,707	11,800	0	0	0	0	83,433
<b>Information Technology</b>	16,800	31,126	23,707	11,800	0	0	0	0	83,433
<b>Maintenance Shops and Yards</b>									<b>A1MSY</b>
Electric Vehicle Charging Stations for Airport Way Center, Building C (A1MSY02)	54	846	0	0	0	0	0	0	900
Haller Lake Improvements (A1MSY03)	85	415	500	0	0	0	0	0	1,000
<b>Maintenance Shops and Yards</b>	139	1,261	500	0	0	0	0	0	1,900
<b>Neighborhood Fire Stations</b>									<b>A1FL1</b>
Fire Station 22 (A1FL122)	1,319	4,899	6,611	0	0	0	0	0	12,829
Fire Station 32 (A1FL132)	3,198	15,455	2,000	0	0	0	0	0	20,653
Fire Station Improvement Debt Service (A1FL199)	30,311	2,771	3,016	3,590	3,593	3,588	3,591	3,596	54,056
<b>Neighborhood Fire Stations</b>	34,828	23,125	11,627	3,590	3,593	3,588	3,591	3,596	87,538
<b>Preliminary Engineering</b>									<b>A1GM4</b>
Facility Projects Planning (A1GM402)	473	877	0	0	0	0	0	0	1,350
<b>Preliminary Engineering</b>	473	877	0	0	0	0	0	0	1,350
<b>Public Safety Facilities - Fire</b>									<b>A1PS2</b>
Fire Station 31 Improvements (A1PS207)	0	450	650	750	0	0	0	0	1,850
Fire Station 5 (A1PS205)	465	2,477	5,566	293	0	0	0	0	8,801
Fire Station 5 Relocation (A1PS206)	750	1,829	0	0	0	0	0	0	2,579
<b>Public Safety Facilities - Fire</b>	1,216	4,755	6,216	1,043	0	0	0	0	13,230

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### 2017 - 2022 Proposed Capital Improvement Program

# Finance and Administrative Services

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Public Safety Facilities - Police</b>					<b>BCL/Program Code:</b>				<b>A1PS1</b>
North Police Precinct and Training Center Debt Service (A1PS107DS)	0	0	350	352	350	351	353	353	2,109
North Precinct (A1PS107)	16,594	4,406	0	0	0	0	0	0	21,000
Police Facilities (A1PS101)	2,659	532	0	0	0	0	0	0	3,191
Seattle Police Department North Area Interim and Long-Term Facilities (A1PS117)	0	0	1,500	13,500	0	0	0	0	15,000
<b>Public Safety Facilities - Police</b>	<b>19,253</b>	<b>4,938</b>	<b>1,850</b>	<b>13,852</b>	<b>350</b>	<b>351</b>	<b>353</b>	<b>353</b>	<b>41,300</b>
<b>Summit Re-Implementation Department Capital Needs</b>					<b>BCL/Program Code:</b>				<b>A1IT1</b>
Summit Re-Implementation - Department Capital Needs (A1IT06)	0	4,487	2,329	1,206	0	0	0	0	8,022
<b>Summit Re-Implementation Department Capital Needs</b>	<b>0</b>	<b>4,487</b>	<b>2,329</b>	<b>1,206</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,022</b>
<b>Department Total*:</b>	<b>105,414</b>	<b>104,179</b>	<b>67,890</b>	<b>46,265</b>	<b>15,900</b>	<b>17,123</b>	<b>12,762</b>	<b>10,513</b>	<b>380,047</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Fund Summary

Fund Name & Code	LTD Actuals	2016	2017	2018	2019	2020	2021	2022	Total
2003 Fire Facilities Fund (34440)	3,988	4,438	0	0	0	0	0	0	8,426
2008 Multipurpose LTGO Bond Fund (35200)	0	121	0	0	0	0	0	0	121
2013 Multipurpose LTGO Bond Fund (35700)	10,769	558	0	0	0	0	0	0	11,327
2014 Multipurpose LTGO Bond Fund (36100)	13,555	133	0	0	0	0	0	0	13,688
2015 Multipurpose LTGO Bond Fund (36200)	102	131	0	0	0	0	0	0	234
2016 Multipurpose LTGO Bond Fund (36300)	1,500	41,876	0	0	0	0	0	0	43,376
2017 Multipurpose LTGO Bond Fund (36400)	0	0	31,585	0	0	0	0	0	31,585
2018 Multipurpose LTGO Bond Fund (36500)	0	0	0	6,109	0	0	0	0	6,109
Cumulative Reserve Subfund - Asset Preservation Subaccount - Fleets and Facilities (00168)	4,206	9,187	10,500	5,972	5,929	7,155	5,288	6,534	54,771
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount (00163)	37,621	18,268	14,416	23,760	6,443	6,439	3,944	3,949	114,841
Cumulative Reserve Subfund - Unrestricted Subaccount (00164)	432	376	27	28	28	29	30	30	981
Federal Vice Enforcement Forfeiture (62480)	2,600	0	0	0	0	0	0	0	2,600
Finance and Administrative Services Fund (50300)	29,880	28,020	11,362	10,397	3,500	3,500	3,500	0	90,159
General Subfund (00100)	0	313	0	0	0	0	0	0	313
Municipal Civic Center Fund (34200)	760	758	0	0	0	0	0	0	1,518
To Be Determined (TBD)	0	0	0	0	0	0	0	0	0
<b>Department Total*:</b>	105,414	104,179	67,890	46,265	15,900	17,123	12,762	10,513	380,047

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

### ADA Improvements - Citywide

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2012
<b>Project ID:</b>	A1GM902	<b>End Date:</b>	ONGOING
<b>Location:</b>			
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project is the appropriation repository for work related to City compliance with the Americans with Disabilities Act (ADA). It also encompasses various centralized ADA program costs, including compliance documentation gathering and tracking.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	481	324	172	0	0	0	0	0	977
<b>Total:</b>	481	324	172	0	0	0	0	0	977

<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	481	324	172	0	0	0	0	0	977
<b>Total*:</b>	481	324	172	0	0	0	0	0	977

<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		324	172	0	0	0	0	0	496
<b>Total:</b>		324	172	0	0	0	0	0	496

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### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### ADA Improvements - FAS

<b>BCL/Program Name:</b>	ADA Improvements - FAS	<b>BCL/Program Code:</b>	A1ADA
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2011
<b>Project ID:</b>	A1ADA01	<b>End Date:</b>	ONGOING
<b>Location:</b>			
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project is the FAS American with Disabilities Act (ADA) ongoing program that will address specific ADA improvements and upgrades at various FAS owned and operated facilities. Work will include, but is not limited to, reconfiguration of restrooms, meeting rooms and other spaces, reconfiguration of facility amenities such as drinking fountains, and various public access routes to sites, buildings, and public spaces.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	923	558	687	0	0	0	0	0	2,168
<b>Total:</b>	923	558	687	0	0	0	0	0	2,168
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	923	558	687	0	0	0	0	0	2,168
<b>Total*:</b>	923	558	687	0	0	0	0	0	2,168

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

**Asset Preservation - Schedule 1 Facilities**

<b>BCL/Program Name:</b>	Asset Preservation - Schedule 1 Facilities	<b>BCL/Program Code:</b>	A1APSCHI
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	A1APSCH101	<b>End Date:</b>	ONGOING
<b>Location:</b>	Multiple Downtown City facilities		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing program provides for long term preservation and major maintenance to the FAS schedule 1 facilities. Schedule 1 facilities are comprised of existing and future office buildings located in downtown Seattle, including but not limited to City Hall, the Seattle Municipal Tower and the Justice Center. Typical improvements may include, but are not limited to, energy efficiency enhancements through equipment replacement, upgrades/repairs to heating/ventilation/air conditioning systems, upgrades/repairs to electrical systems, upgrades/repairs to fire suppression systems, roof repairs or replacement, and structural assessments and repairs. This work ensures the long-term preservation of the operational use of the facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	0	0	2,000	0	0	0	0	2,000
Department Space Allocation Charges	1,913	2,804	2,152	2,152	2,152	2,152	2,152	2,152	17,629
FAS Fund Balance	0	2,926	6,500	1,972	1,929	3,155	1,288	2,534	20,304
<b>Total:</b>	1,913	5,730	8,652	6,124	4,081	5,307	3,440	4,686	39,933
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	0	2,000	0	0	0	0	2,000
Cumulative Reserve Subfund - Asset Preservation Subaccount - Fleets and Facilities	1,913	5,730	8,652	4,124	4,081	5,307	3,440	4,686	37,933
<b>Total*:</b>	1,913	5,730	8,652	6,124	4,081	5,307	3,440	4,686	39,933

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

**Asset Preservation - Schedule 2 Facilities**

<b>BCL/Program Name:</b>	Asset Preservation - Schedule 2 Facilities	<b>BCL/Program Code:</b>	A1APSCH2
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	A1APSCH201	<b>End Date:</b>	ONGOING
<b>Location:</b>			
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing program provides for long term preservation and major maintenance to the FAS schedule 2 facilities. Schedule 2 facilities are comprised of existing and future structures, shops and yards located throughout Seattle, including but not limited to City vehicle maintenance facilities at Haller Lake and Charles Street, FAS shops located at Airport Way S., fire stations, police precincts including the animal shelter, and other FAS managed facilities used for City Services. Typical improvements may include, but are not limited to, energy efficiency enhancements through equipment replacement, upgrades/repairs to heating/ventilation/air conditioning systems, upgrades/repairs to electrical systems, upgrades/repairs to fire suppression systems, roof repairs or replacement, and structural assessments and repairs. This work ensures the long-term preservation of the operational use of the facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Department Space Allocation Charges	2,293	2,188	1,848	1,848	1,848	1,848	1,848	1,848	15,569
FAS Fund Balance	0	1,269	0	0	0	0	0	0	1,269
<b>Total:</b>	2,293	3,457	1,848	1,848	1,848	1,848	1,848	1,848	16,838
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Asset Preservation Subaccount - Fleets and Facilities	2,293	3,457	1,848	1,848	1,848	1,848	1,848	1,848	16,838
<b>Total*:</b>	2,293	3,457	1,848	1,848	1,848	1,848	1,848	1,848	16,838

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

### Benaroya Hall Transforming Soundbridge

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	A1GM1BH02	<b>End Date:</b>	Q4/2019
<b>Location:</b>	1301 3 AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides City resources to fund a portion of the Benaroya Hall capital project to transform the Soundbridge learning space into OCTAVE 9. OCTAVE 9 is envisioned as a performance and learning environment that uses the latest audio-visual technology to allow viewers to see performances on-line. Full construction work includes, but is not limited to, demolition, complete construction of the interior finishes, including electrical, cabling, HVAC and renovations of the restrooms.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund	0	0	0	0	0	0	0	0	0
Real Estate Excise Tax I	0	0	725	775	0	0	0	0	1,500
<b>Total:</b>	0	0	725	775	0	0	0	0	1,500
<b>Fund Appropriations/Allocations</b>									
General Subfund	0	0	0	0	0	0	0	0	0
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	725	775	0	0	0	0	1,500
<b>Total*:</b>	0	0	725	775	0	0	0	0	1,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

City Hall and Seattle Municipal Tower Tenant Improvements

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	A1GM118	<b>End Date:</b>	ONGOING
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides predesign, design, and construction services for developing or reconfiguring space and other adjacent functions in the Downtown Civic Campus. Work may include, but is not limited to, working with project sponsors to catalog space and equipment needs, energy efficiency improvements, developing planning options, developing project cost estimates, and construction. Work may also include analysis of how vacated space in other facilities might be utilized for other city uses.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	271	2,893	700	0	0	0	0	0	3,863
Property Sales and Interest Earnings-2	0	350	0	0	0	0	0	0	350
General Obligation Bonds	467	31	0	0	0	0	0	0	499
General Obligation Bonds	0	0	0	0	0	0	0	0	0
<b>Total:</b>	738	3,274	700	0	0	0	0	0	4,712

**Fund Appropriations/Allocations**

Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	271	2,893	700	0	0	0	0	0	3,863
Cumulative Reserve Subfund - Unrestricted Subaccount	0	350	0	0	0	0	0	0	350
2013 Multipurpose LTGO Bond Fund	467	31	0	0	0	0	0	0	499
2014 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	738	3,274	700	0	0	0	0	0	4,712

**Spending Plan by Fund**

Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	981	700	0	0	0	0	0	0	1,681
Cumulative Reserve Subfund - Unrestricted Subaccount	0	0	0	0	0	0	0	0	0
2013 Multipurpose LTGO Bond Fund	31	0	0	0	0	0	0	0	31
2014 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0	0
<b>Total:</b>	1,012	700	0	0	0	0	0	0	1,712

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

### Civic Square

<b>BCL/Program Name:</b>	Civic Square	<b>BCL/Program Code:</b>	A1GM5
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	A1GM501	<b>End Date:</b>	ONGOING
<b>Location:</b>	600 3rd Ave		
<b>Neighborhood Plan:</b>	DUCPG (Downtown Urban Center Planning Group)	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides for the City's project management and consultant costs associated with the City's involvement in the redevelopment of the former Public Safety Building site between James and Cherry Streets and Third and Fourth Avenues, the final project completing the Civic Center Master Plan.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Interdepartmental Transfer	484	758	0	0	0	0	0	0	1,242
<b>Total:</b>	484	758	0	0	0	0	0	0	1,242
<b>Fund Appropriations/Allocations</b>									
Municipal Civic Center Fund	484	758	0	0	0	0	0	0	1,242
<b>Total*:</b>	484	758	0	0	0	0	0	0	1,242
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Customer Requested Tenant Improvement Program

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	A1GM105	<b>End Date:</b>	ONGOING
<b>Location:</b>	City owned and leased facilities		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides for pass-through budget authority to perform customer-requested tenant improvement work within, but not limited to, FAS facilities. FAS has exclusive responsibility to manage all tenant improvement work within Department-owned/managed facilities. Typical improvements may include, but are not limited to tenant space remodels, security system upgrades, and equipment replacement. Other project types include architectural and engineering services including conceptual planning, design alternative development, and preliminary cost estimating. Typical preliminary design and engineering work includes, but is not limited to, pre-design and analysis of project alternatives, cost estimates, test to fit studies, preliminary schedule development, engineering studies and code compliance, site development planning and conceptual design and financial analysis of capital improvements options in conjunction with FAS and CIP priorities, programs, and initiatives.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Interdepartmental Transfer	25,121	12,956	3,500	3,500	3,500	3,500	3,500	0	55,577
<b>Total:</b>	25,121	12,956	3,500	3,500	3,500	3,500	3,500	0	55,577
<b>Fund Appropriations/Allocations</b>									
Finance and Administrative Services Fund	25,121	12,956	3,500	3,500	3,500	3,500	3,500	0	55,577
<b>Total*:</b>	25,121	12,956	3,500	3,500	3,500	3,500	3,500	0	55,577
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

**Drive Clean Seattle Fleet Electric Vehicle Infrastructure**

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2016
<b>Project ID:</b>	A1GM131	<b>End Date:</b>	Q4/2017
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project funds FAS' capital work efforts towards meeting the Drive Clean Seattle (DCS) initiative, a comprehensive transportation electrification strategy to transition Seattle's transportation sector from fossil fuels to clean, carbon neutral electricity. Work will include but is not limited to, the design, permitting, and construction of 150 electric vehicle charging stations in the Seattle Municipal Tower to provide capacity for the conversion of City fleet to electric vehicles. Future work may include the installation of charging stations at additional sites.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	0	2,350	0	0	0	0	0	2,350
<b>Total:</b>	0	0	2,350	0	0	0	0	0	2,350
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	2,350	0	0	0	0	0	2,350
<b>Total*:</b>	0	0	2,350	0	0	0	0	0	2,350

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**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

**Electric Vehicle Charging Stations for Airport Way Center, Building C**

<b>BCL/Program Name:</b>	Maintenance Shops and Yards	<b>BCL/Program Code:</b>	A1MSY
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	A1MSY02	<b>End Date:</b>	Q4/2017
<b>Location:</b>	2203 Airport WAY S		
<b>Neighborhood Plan:</b>	Duwamish	<b>Council District:</b>	2
<b>Neighborhood District:</b>	Greater Duwamish	<b>Urban Village:</b>	Duwamish

This project funds the design, permitting, and construction of 15 electric vehicle charging stations in AWC Building C. This project will provide permanent, code-compliant charging stations for the existing fleet of electric vehicles in use by SPD and further reduce greenhouse gas emissions in accordance with the Drive Clean Seattle Initiative.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	54	846	0	0	0	0	0	0	900
<b>Total:</b>	54	846	0	0	0	0	0	0	900
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	54	846	0	0	0	0	0	0	900
<b>Total*:</b>	54	846	0	0	0	0	0	0	900

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**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

**Energy Efficiency for Municipal Buildings**

<b>BCL/Program Name:</b>	FAS Oversight - External Projects	<b>BCL/Program Code:</b>	A1EXT
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	A1EXT02	<b>End Date:</b>	Q4/2020
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This project funds energy efficiency work across City facilities, managed by the Office of Sustainability and Environment (OSE), in support the City's goal to achieve a 20% reduction in building energy use by the year 2020. OSE will implement a package of energy efficiency projects, as well as continue a suite of O&M improvements, program management, measurement and tracking, and building assessments. The energy efficiency upgrades are expected to generate utility rebates paid by Seattle City Light and Puget Sound Energy, to be deposited into the General Subfund and shown here as future General Subfund revenue. Work may include but is not limited to, building tune-ups, facility improvements, building energy upgrades, and energy efficiency measures.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund	0	313	0	0	0	0	0	0	313
Real Estate Excise Tax I	200	2,050	2,500	2,500	2,500	2,500	0	0	12,250
<b>Total:</b>	200	2,363	2,500	2,500	2,500	2,500	0	0	12,563
<b>Fund Appropriations/Allocations</b>									
General Subfund	0	313	0	0	0	0	0	0	313
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	200	2,050	2,500	2,500	2,500	2,500	0	0	12,250
<b>Total*:</b>	200	2,363	2,500	2,500	2,500	2,500	0	0	12,563
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
General Subfund		313	0	0	0	0	0	0	313
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		2,050	2,500	2,500	2,500	2,500	0	0	12,050
<b>Total:</b>		2,363	2,500	2,500	2,500	2,500	0	0	12,363

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**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

### Facility Projects Planning

<b>BCL/Program Name:</b>	Preliminary Engineering	<b>BCL/Program Code:</b>	A1GM4
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	A1GM402	<b>End Date:</b>	ONGOING
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This on-going project funds architectural and engineering services including conceptual planning, design alternative development, and preliminary cost estimating for FAS capital projects and emergent Executive capital initiatives. Typical preliminary design and engineering work includes, but is not limited to, pre-design and analysis of project alternatives, cost estimates, test to fit studies, preliminary schedule development, engineering studies and code compliance, site development planning and conceptual design and financial analysis of capital improvements options in conjunction with FAS and CIP priorities, programs, and initiatives.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	473	877	0	0	0	0	0	0	1,350
<b>Total:</b>	473	877	0	0	0	0	0	0	1,350
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	473	877	0	0	0	0	0	0	1,350
<b>Total*:</b>	473	877	0	0	0	0	0	0	1,350

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### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

**Fire Station 22**

<b>BCL/Program Name:</b>	Neighborhood Fire Stations	<b>BCL/Program Code:</b>	A1FL1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2013
<b>Project ID:</b>	A1FL122	<b>End Date:</b>	Q3/2018
<b>Location:</b>	901 E Roanoke St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	East District	<b>Urban Village:</b>	Not in an Urban Village

This project, part of the 2003 Fire Facilities and Emergency Response Levy Program, rebuilds Fire Station 22. The existing Fire Station 22 is seismically vulnerable, and cannot feasibly be renovated to support modern emergency equipment. The project protects firefighters in the event of an earthquake and allows them to provide high-quality emergency services to the Roanoke community.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	10	100	0	0	0	0	0	0	110
Seattle Voter-Approved Levy	1,124	900	0	0	0	0	0	0	2,023
General Obligation Bonds	185	15	0	0	0	0	0	0	200
General Obligation Bonds	0	3,885	0	0	0	0	0	0	3,885
General Obligation Bonds	0	0	6,611	0	0	0	0	0	6,611
<b>Total:</b>	1,319	4,899	6,611	0	0	0	0	0	12,829
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	10	100	0	0	0	0	0	0	110
2003 Fire Facilities Fund	1,124	900	0	0	0	0	0	0	2,023
2013 Multipurpose LTGO Bond Fund	185	15	0	0	0	0	0	0	200
2016 Multipurpose LTGO Bond Fund	0	3,885	0	0	0	0	0	0	3,885
2017 Multipurpose LTGO Bond Fund	0	0	6,611	0	0	0	0	0	6,611
<b>Total*:</b>	1,319	4,899	6,611	0	0	0	0	0	12,829
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

Fire Station 31 Improvements

<b>BCL/Program Name:</b>	Public Safety Facilities - Fire	<b>BCL/Program Code:</b>	A1PS2
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	A1PS207	<b>End Date:</b>	Q2/2018
<b>Location:</b>	1319 N Northgate Way		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Aurora-Licton

The Seattle Fire Department's new tillered aerials are longer than the previous ladder trucks and do not fit in the apparatus bays at Fire Station 31. This project will design, permit and construct an expansion to three apparatus bays at Fire Station 31 to accommodate the larger tillered aerial. The approximately 2,000-square-foot addition will extend into the existing apron, which is constructed over the existing basement. This will require the structure to extend two stories and trigger a reorganization of the functions below. This project includes, but is not limited to other operational changes as necessary as a result of the expansion.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	450	650	750	0	0	0	0	1,850
<b>Total:</b>	0	450	650	750	0	0	0	0	1,850
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	450	650	750	0	0	0	0	1,850
<b>Total*:</b>	0	450	650	750	0	0	0	0	1,850

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

**Fire Station 32**

<b>BCL/Program Name:</b>	Neighborhood Fire Stations	<b>BCL/Program Code:</b>	A1FL1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q4/2010
<b>Project ID:</b>	A1FL132	<b>End Date:</b>	Q4/2017
<b>Location:</b>	3715 SW Alaska St		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	1
<b>Neighborhood District:</b>	Southwest	<b>Urban Village:</b>	West Seattle Junction

This project, part of the 2003 Fire Facilities and Emergency Response Levy Program, rebuilds Fire Station 32 in a three story structure at its existing site. It also provides temporary quarters for firefighters while the fire station is under construction. The existing Fire Station 32 is seismically vulnerable, and cannot feasibly be renovated to provide the space necessary to support modern firefighting equipment and emergency functions. The project protects firefighters in the event of an earthquake and allows them to provide high-quality emergency services to the West Seattle community.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	146	4,255	0	0	0	0	0	0	4,401
Seattle Voter-Approved Levy	2,864	3,538	0	0	0	0	0	0	6,402
General Obligation Bonds	0	121	0	0	0	0	0	0	121
General Obligation Bonds	85	406	0	0	0	0	0	0	492
General Obligation Bonds	102	131	0	0	0	0	0	0	234
General Obligation Bonds	0	7,004	0	0	0	0	0	0	7,004
General Obligation Bonds	0	0	2,000	0	0	0	0	0	2,000
<b>Total:</b>	3,198	15,455	2,000	0	0	0	0	0	20,653
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	146	4,255	0	0	0	0	0	0	4,401
2003 Fire Facilities Fund	2,864	3,538	0	0	0	0	0	0	6,402
2008 Multipurpose LTGO Bond Fund	0	121	0	0	0	0	0	0	121
2013 Multipurpose LTGO Bond Fund	85	406	0	0	0	0	0	0	492
2015 Multipurpose LTGO Bond Fund	102	131	0	0	0	0	0	0	234
2016 Multipurpose LTGO Bond Fund	0	7,004	0	0	0	0	0	0	7,004
2017 Multipurpose LTGO Bond Fund	0	0	2,000	0	0	0	0	0	2,000
<b>Total*:</b>	3,198	15,455	2,000	0	0	0	0	0	20,653
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

Fire Station 5

<b>BCL/Program Name:</b>	Public Safety Facilities - Fire	<b>BCL/Program Code:</b>	A1PS2
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	A1PS205	<b>End Date:</b>	Q1/2019
<b>Location:</b>	925 Alaskan WAY		
<b>Neighborhood Plan:</b>	DUCPG (Downtown Urban Center Planning Group)	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project, located on the downtown Seattle waterfront, provides a seismic and safety upgrade for Fire Station 5 and makes functional improvements to the facility and building systems. The project renovates the fire station to protect fire fighters in the event of an earthquake and allows them to provide high-quality marine and land-based emergency service. The project is timed to coincide with the Seawall replacement project as this facility is physically attached to the Seawall structure.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	465	235	1,266	293	0	0	0	0	2,259
Interdepartmental Transfer	0	242	0	0	0	0	0	0	242
General Obligation Bonds	0	2,000	0	0	0	0	0	0	2,000
General Obligation Bonds	0	0	4,300	0	0	0	0	0	4,300
<b>Total:</b>	465	2,477	5,566	293	0	0	0	0	8,801
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	465	235	1,266	293	0	0	0	0	2,259
Finance and Administrative Services Fund	0	242	0	0	0	0	0	0	242
2016 Multipurpose LTGO Bond Fund	0	2,000	0	0	0	0	0	0	2,000
2017 Multipurpose LTGO Bond Fund	0	0	4,300	0	0	0	0	0	4,300
<b>Total*:</b>	465	2,477	5,566	293	0	0	0	0	8,801

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## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

Fire Station 5 Energy Efficiency

<b>BCL/Program Name:</b>	FAS Oversight - External Projects	<b>BCL/Program Code:</b>	A1EXT
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	A1EXT03	<b>End Date:</b>	Q1/2019
<b>Location:</b>	925 Alaskan WAY		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project funds energy efficiency work towards Fire Station 5 and represents \$500K of the 2016 appropriation from the Energy Efficiency for Municipal Buildings project. The Fire Station 5 project will improve energy efficiency by upgrading building systems and improvements to the exterior to retain heat and repel moisture.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	500	0	0	0	0	0	0	500
<b>Total:</b>	0	500	0	0	0	0	0	0	500
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	500	0	0	0	0	0	0	500
<b>Total*:</b>	0	500	0	0	0	0	0	0	500
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		0	0	0	0	0	0	0	0
<b>Total:</b>		0	0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Fire Station 5 Relocation

<b>BCL/Program Name:</b>	Public Safety Facilities - Fire	<b>BCL/Program Code:</b>	A1PS2
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	A1PS206	<b>End Date:</b>	Q1/2019
<b>Location:</b>	925 Alaskan WAY		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides for the coordination and costs associated with the relocations made necessary by the City's pier restructuring, seawall construction, viaduct demolition, and waterfront reconstruction projects. These projects will result in the relocation of both land and marine crews to temporary locations.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Interdepartmental Transfer	750	1,829	0	0	0	0	0	0	2,579
<b>Total:</b>	750	1,829	0	0	0	0	0	0	2,579
<b>Fund Appropriations/Allocations</b>									
Finance and Administrative Services Fund	750	1,829	0	0	0	0	0	0	2,579
<b>Total*:</b>	750	1,829	0	0	0	0	0	0	2,579

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

Fire Station Improvement Debt Service

<b>BCL/Program Name:</b>	Neighborhood Fire Stations	<b>BCL/Program Code:</b>	A1FL1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	A1FL199	<b>End Date:</b>	ONGOING
<b>Location:</b>	City-wide		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This project provides for the payment of debt service on bonds issued to cover a portion of the costs associated with the 2003 Fire Facilities and Emergency Response Levy and associated asset preservation expenses.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	30,311	2,771	3,016	3,590	3,593	3,588	3,591	3,596	54,056
<b>Total:</b>	30,311	2,771	3,016	3,590	3,593	3,588	3,591	3,596	54,056
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	30,311	2,771	3,016	3,590	3,593	3,588	3,591	3,596	54,056
<b>Total*:</b>	30,311	2,771	3,016	3,590	3,593	3,588	3,591	3,596	54,056
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		2,771	3,016	3,590	3,593	3,588	3,591	3,595	23,744
<b>Total:</b>		2,771	3,016	3,590	3,593	3,588	3,591	3,595	23,744

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## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

Garden of Remembrance

<b>BCL/Program Name:</b>	Garden of Remembrance	<b>BCL/Program Code:</b>	A51647
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	ONGOING
<b>Project ID:</b>	A11452	<b>End Date:</b>	ONGOING
<b>Location:</b>	1301 3rd Ave WAY		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides an annual contribution (including increases for inflation) to a capital renewal fund for the Garden of Remembrance, located next to Benaroya Hall, per an agreement with Benaroya Hall Music Center (BHMC), a private, non-profit affiliate of the Seattle Symphony. This project pays for major maintenance and replaces garden installations including, but not limited to, irrigation equipment, landscaping, electrical/lighting fixtures, and mechanical water features. The project is managed by the BHMC and is displayed within FAS' CIP for informational purposes only.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Property Sales and Interest Earnings-2	352	26	27	28	28	29	30	30	551
<b>Total:</b>	352	26	27	28	28	29	30	30	551
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount	352	26	27	28	28	29	30	30	551
<b>Total*:</b>	352	26	27	28	28	29	30	30	551
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Unrestricted Subaccount		26	27	28	28	29	30	30	199
<b>Total:</b>		26	27	28	28	29	30	30	199

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Haller Lake Improvements

<b>BCL/Program Name:</b>	Maintenance Shops and Yards	<b>BCL/Program Code:</b>	A1MSY
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	A1MSY03	<b>End Date:</b>	ONGOING
<b>Location:</b>	12600 Stone AVE N		
<b>Neighborhood Plan:</b>	Northgate	<b>Council District:</b>	5
<b>Neighborhood District:</b>	North	<b>Urban Village:</b>	Not in an Urban Village

This project will complete the design and construction for improvements at the Haller Lake complex. Work will include, but is not limited to, architectural and engineering services associated with pre-design, programming, design and construction. This project includes funding to make minor capital improvements. The full extent of improvements needed will require operational modifications as well. There may be further capital work as operational modifications are implemented and other remediation measures are discovered.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	85	415	0	0	0	0	0	0	500
FAS Fund Balance	0	0	500	0	0	0	0	0	500
<b>Total:</b>	85	415	500	0	0	0	0	0	1,000
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	85	415	0	0	0	0	0	0	500
Finance and Administrative Services Fund	0	0	500	0	0	0	0	0	500
<b>Total*:</b>	85	415	500	0	0	0	0	0	1,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### North Police Precinct and Training Center Debt Service

<b>BCL/Program Name:</b>	Public Safety Facilities - Police	<b>BCL/Program Code:</b>	A1PS1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	A1PS107DS	<b>End Date:</b>	ONGOING
<b>Location:</b>	WAY/N 130th ST/Aurora AVE N		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Bitter Lake Village

This project provides for the payment of debt service on bonds issued to cover a portion of the costs associated with the site acquisition, design and construction of the North Police Precinct and Training Center (A1PS107).

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	0	350	352	350	351	353	353	2,109
<b>Total:</b>	0	0	350	352	350	351	353	353	2,109
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	350	352	350	351	353	353	2,109
<b>Total*:</b>	0	0	350	352	350	351	353	353	2,109

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

North Precinct

<b>BCL/Program Name:</b>	Public Safety Facilities - Police	<b>BCL/Program Code:</b>	A1PS1
<b>Project Type:</b>	New Facility	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	A1PS107	<b>End Date:</b>	Q1/2017
<b>Location:</b>	WAY/N 130th ST/Aurora AVE N		
<b>Neighborhood Plan:</b>	In more than one Plan	<b>Council District:</b>	5
<b>Neighborhood District:</b>	Northwest	<b>Urban Village:</b>	Bitter Lake Village

This project funds the acquisition of a site and the design of a new North Precinct for the Seattle Police Department. The new facility design includes various support, administrative, and precinct space for police officers, a community meeting space, and a training center to benefit the entire department. This project also funds the closeout and site assessment for the North Precinct design team and contractors.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	1,699	301	0	0	0	0	0	0	2,000
General Obligation Bonds	4,145	105	0	0	0	0	0	0	4,250
General Obligation Bonds	6,650	0	0	0	0	0	0	0	6,650
Miscellaneous Revenues	2,600	0	0	0	0	0	0	0	2,600
General Obligation Bonds	0	4,000	0	0	0	0	0	0	4,000
Interfund Loan	1,500	0	0	0	0	0	0	0	1,500
General Obligation Bonds	0	0	0	0	0	0	0	0	0
<b>Total:</b>	16,594	4,406	0	0	0	0	0	0	21,000
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	1,699	301	0	0	0	0	0	0	2,000
2013 Multipurpose LTGO Bond Fund	4,145	105	0	0	0	0	0	0	4,250
2014 Multipurpose LTGO Bond Fund	6,650	0	0	0	0	0	0	0	6,650
Federal Vice Enforcement Forfeiture	2,600	0	0	0	0	0	0	0	2,600
2016 Multipurpose LTGO Bond Fund	1,500	4,000	0	0	0	0	0	0	5,500
2017 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0	0
<b>Total*:</b>	16,594	4,406	0	0	0	0	0	0	21,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

Police Facilities

<b>BCL/Program Name:</b>	Public Safety Facilities - Police	<b>BCL/Program Code:</b>	A1PS1
<b>Project Type:</b>	Rehabilitation or Restoration	<b>Start Date:</b>	Q3/2005
<b>Project ID:</b>	A1PS101	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various Police facilities		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This ongoing project preserves or extends the useful life or operational capacity and provides for improvements to FAS-owned Police facilities including, but not limited to, the East Precinct, the North Precinct, the Mounted Patrol Facility, the Harbor Patrol Facility, and the K-9 Facility. Typical work may include, but is not limited to, upgrades to heating, ventilation, air conditioning upgrades, equipment replacement, siting, pre-design, test-to-fit analyses, and structural assessments and repairs. These improvements support police service by extending the operational life of old police facilities, complying with regulatory requirements, or addressing capacity problems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	2,303	532	0	0	0	0	0	0	2,835
Property Sales and Interest Earnings-2	80	0	0	0	0	0	0	0	80
Property Sales and General Obligation Bonds	276	0	0	0	0	0	0	0	276
<b>Total:</b>	2,659	532	0	0	0	0	0	0	3,191
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	2,303	532	0	0	0	0	0	0	2,835
Cumulative Reserve Subfund - Unrestricted Subaccount	80	0	0	0	0	0	0	0	80
Municipal Civic Center Fund	276	0	0	0	0	0	0	0	276
<b>Total*:</b>	2,659	532	0	0	0	0	0	0	3,191
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

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## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Seattle City Hall HVAC Improvements

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	A1GM130	<b>End Date:</b>	Q2/2018
<b>Location:</b>	600 4th AVE		
<b>Neighborhood Plan:</b>	DUCPG (Downtown Urban Center Planning Group)	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Not in an Urban Village

This project funds Heating Ventilation and Air Conditioning (HVAC) system improvements to Seattle City Hall. These improvements include, but are not limited to, updating the building control system and reconfiguration of existing systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	400	500	0	0	0	0	0	900
<b>Total:</b>	0	400	500	0	0	0	0	0	900
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	400	500	0	0	0	0	0	900
<b>Total*:</b>	0	400	500	0	0	0	0	0	900

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Seattle Municipal Courts

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	A1GM129	<b>End Date:</b>	Q2/2018
<b>Location:</b>	600 5th AVE		
<b>Neighborhood Plan:</b>	Commercial Core	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides for various facility improvements. Work may include, but is not limited to, space reconfigurations, reconfiguration of amenities such as drinking fountains, improvements to facility infrastructure such as assisted listening loops, and improvements to various access routes to the site, building, and other public spaces.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	200	763	0	0	0	0	0	0	963
<b>Total:</b>	200	763	0	0	0	0	0	0	963
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	200	763	0	0	0	0	0	0	963
<b>Total*:</b>	200	763	0	0	0	0	0	0	963
<b>Spending Plan by Fund</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount		200	400	163	0	0	0	0	763
<b>Total:</b>		200	400	163	0	0	0	0	763

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Seattle Municipal Tower IDF Infrastructure Upgrades

<b>BCL/Program Name:</b>	General Government Facilities - General	<b>BCL/Program Code:</b>	A1GM1
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2015
<b>Project ID:</b>	A1GM127	<b>End Date:</b>	Q4/2017
<b>Location:</b>	700 Fifth AVE		
<b>Neighborhood Plan:</b>	DUCPG (Downtown Urban Center Planning Group)	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides electrical, cooling, and fire separation upgrades for 15 existing Intermediate Distribution Frame (IDF) rooms in the Seattle Municipal Tower (SMT) that house network, telephone and security systems. The resultant electrical and cooling capacity increases will allow the systems in the room to be upgraded now (in the case of Voice over IP phones) and in the future. In addition to these capacity infrastructure upgrades, fire separations will be established for the rooms. This project will enhance the reliability of the systems housed in the IDF rooms by improving the infrastructure that serves them and protecting the rooms from potential damage caused by events outside of the rooms. This project is being coordinated with a Seattle IT upgrade project which may impact the schedule.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Obligation Bonds	0	2,500	0	0	0	0	0	0	2,500
<b>Total:</b>	0	2,500	0	0	0	0	0	0	2,500
<b>Fund Appropriations/Allocations</b>									
2016 Multipurpose LTGO Bond Fund	0	2,500	0	0	0	0	0	0	2,500
<b>Total*:</b>	0	2,500	0	0	0	0	0	0	2,500
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### Seattle Police Department North Area Interim and Long-Term Facilities

<b>BCL/Program Name:</b>	Public Safety Facilities - Police	<b>BCL/Program Code:</b>	A1PS1
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	A1PS117	<b>End Date:</b>	TBD
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	More than one
<b>Neighborhood District:</b>	North	<b>Urban Village:</b>	In more than one Urban Village

This project funds planning, design and construction for long-term facility needs as well as interim upgrades and potential expansions at the existing North Precinct to accommodate growth of the Seattle Police Department. This project includes, but is not limited to, planning, design and construction for long-term police facilities needs in the North and funding for interim needs including, but not limited to, building upgrades, system maintenance, facility maintenance and temporary facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Real Estate Excise Tax I	0	0	1,500	13,500	0	0	0	0	15,000
To be determined	0	0	0	0	0	0	0	0	0
<b>Total:</b>	0	0	1,500	13,500	0	0	0	0	15,000
<b>Fund Appropriations/Allocations</b>									
Cumulative Reserve Subfund - Real Estate Excise Tax I Subaccount	0	0	1,500	13,500	0	0	0	0	15,000
<b>Total*:</b>	0	0	1,500	13,500	0	0	0	0	15,000

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

Summit Re-Implementation

<b>BCL/Program Name:</b>	Information Technology	<b>BCL/Program Code:</b>	A1IT
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q3/2013
<b>Project ID:</b>	A1IT01	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This Citywide project involves planning and implementing the move of Summit, the City's financial management system, to the most current software release (PeopleSoft Financials 9.2), standardizing financial processes and policies, and implementing additional functionality to enable the City to make more informed financial decisions and meet regulatory obligations. Summit has not been upgraded since 2006 and Oracle discontinued support for the product in 2011. 2018 amounts shown below include program contingency in the event needed during implementation of Phase II of the project. LTGO bonds will be issued according to actual cash flow needs.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Interdepartmental Transfer	0	12,672	7,362	6,897	0	0	0	0	26,931
Miscellaneous Revenues	4,009	321	0	0	0	0	0	0	4,330
FAS Fund Balance	0	0	0	0	0	0	0	0	0
General Obligation Bonds	5,886	0	0	0	0	0	0	0	5,886
General Obligation Bonds	6,905	133	0	0	0	0	0	0	7,038
Interfund Loan	0	0	0	0	0	0	0	0	0
2016 Multipurpose LTGO Bond Fund	0	18,000	0	0	0	0	0	0	18,000
General Obligation Bonds	0	0	16,345	0	0	0	0	0	16,345
General Obligation Bonds	0	0	0	4,903	0	0	0	0	4,903
<b>Total:</b>	16,800	31,126	23,707	11,800	0	0	0	0	83,433
<b>Fund Appropriations/Allocations</b>									
Finance and Administrative Services Fund	4,009	12,993	7,362	6,897	0	0	0	0	31,261
2013 Multipurpose LTGO Bond Fund	5,886	0	0	0	0	0	0	0	5,886
2014 Multipurpose LTGO Bond Fund	6,905	133	0	0	0	0	0	0	7,038
2016 Multipurpose LTGO Bond Fund	0	18,000	0	0	0	0	0	0	18,000
2017 Multipurpose LTGO Bond Fund	0	0	16,345	0	0	0	0	0	16,345
2018 Multipurpose LTGO Bond Fund	0	0	0	4,903	0	0	0	0	4,903
<b>Total*:</b>	16,800	31,126	23,707	11,800	0	0	0	0	83,433

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

**Finance and Administrative Services****Spending Plan by Fund**

Finance and Administrative Services Fund	12,993	7,362	6,897	0	0	0	0	27,252
2013 Multipurpose LTGO Bond Fund	0	0	0	0	0	0	0	0
2014 Multipurpose LTGO Bond Fund	133	0	0	0	0	0	0	133
2016 Multipurpose LTGO Bond Fund	26,694	(8,694)	0	0	0	0	0	18,000
2017 Multipurpose LTGO Bond Fund	0	16,345	0	0	0	0	0	16,345
2018 Multipurpose LTGO Bond Fund	0	0	4,903	0	0	0	0	4,903
<b>Total:</b>	<b>39,820</b>	<b>15,013</b>	<b>11,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>66,633</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Finance and Administrative Services

### Summit Re-Implementation - Department Capital Needs

<b>BCL/Program Name:</b>	Summit Re-Implementation Department Capital Needs	<b>BCL/Program Code:</b>	A1IT1
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	A1IT06	<b>End Date:</b>	Q4/2018
<b>Location:</b>			
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	Citywide
<b>Neighborhood District:</b>	Not in a Neighborhood District	<b>Urban Village:</b>	Not in an Urban Village

This Citywide project is a funding mechanism to reimburse operating departments for non-technical capital expenditures they incur during the Summit Re-Implementation project. Non-technical capital department-specific costs include project management work within the department to implement the new Summit system, among other capital expenditures. Appropriations for each department are included in their operating budget.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Obligation Bonds	0	4,487	0	0	0	0	0	0	4,487
General Obligation Bonds	0	0	2,329	0	0	0	0	0	2,329
General Obligation Bonds	0	0	0	1,206	0	0	0	0	1,206
<b>Total:</b>	0	4,487	2,329	1,206	0	0	0	0	8,022
<b>Fund Appropriations/Allocations</b>									
2016 Multipurpose LTGO Bond Fund	0	4,487	0	0	0	0	0	0	4,487
2017 Multipurpose LTGO Bond Fund	0	0	2,329	0	0	0	0	0	2,329
2018 Multipurpose LTGO Bond Fund	0	0	0	1,206	0	0	0	0	1,206
<b>Total*:</b>	0	4,487	2,329	1,206	0	0	0	0	8,022
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# **Information Technology**

## Seattle Information Technology Department

### Overview

Seattle Information Technology Department's (Seattle IT) 2017-2022 Proposed Capital Improvement Program (CIP) is budgeted at \$225.9 million. Funding comes from a number of sources including rates and allocations to City departments and external partners, cable franchise fees, collected reserve funds, bonds and grants. Seattle IT's proposed CIP budget for 2017-2022 includes nine new projects which will develop, upgrade or replace numerous City applications and business systems.

CIP details are provided in the following table.

<b>Program/Project Name</b>	<b>2017 Amount</b>	<b>Planned Spending</b>
<b>800 MHz Radio Network Program</b>	<b>\$1,180,661</b>	Infrastructure upgrades and mobile radio replacements (\$606K) and Distributed Antenna System Replacement Project (\$574K).
<b>Computing Services Architecture</b>	<b>\$2,739,967</b>	Routine equipment (servers, storage, software and facility infrastructure) replacement/upgrades (\$946K) and maintenance (\$1.8M).
<b>Data &amp; Telephone Infrastructure</b>	<b>\$3,159,639</b>	Routine equipment (\$1.85M) and maintenance (\$816K). 2017 includes funding for fiber expansions (\$490K).
<b>Enterprise Computing</b>	<b>\$0</b>	No planned spending for 2017.
<b>Fiber-Optic Communication Installation &amp; Maintenance</b>	<b>\$3,896,361</b>	Fiber installation (\$2.6M) and maintenance (\$1.25M).
<b>IT Security</b>	<b>\$731,672</b>	Systems upgrades/replacements (\$131K), maintenance (\$99K) and expanded capacity (\$500K).
<b>Seattle Channel Maintenance &amp; Upgrade</b>	<b>\$370,034</b>	Equipment replacement (\$296K) and maintenance (\$74K).
<b>Seattle Municipal Tower Remodel - IT</b>	<b>\$6,000,000</b>	Convert old data center location to office space.
<b>SPD Digital Analytics Platform</b>	<b>\$1,934,439</b>	Implementation, support and data governance for SPD data systems.
<b>Technology Management Tools</b>	<b>\$421,960</b>	Ongoing maintenance of the City's new IT Incident Management and Change Management systems.
<b>New Projects:</b>		
<b>Applications Development-Multiple Departments</b>	<b>\$1,600,920</b>	Several software system upgrade projects including Citywide Contract Management (\$91K), DON Grants Systems (\$637K), Parks Budget System (\$575K) and OSE Building Tune-up Database (\$299K).
<b>Applications Development- SDOT</b>	<b>\$3,629,331</b>	System upgrades for SDOT's Portfolio Management System (\$1.9M), Work Order Field Access (\$729K) and PACT (\$1.24M).

### 2017-2022 Proposed Capital Improvement Program

## Seattle Information Technology Department

<b>Applications Development- SPD</b>	<b>\$3,381,183</b>	Replacements for the SPD Work Scheduling System (\$897K) and Records Management System (\$2.5M)
<b>SPD Body Worn Camera Implementation</b>	<b>\$2,370,634</b>	Implementation and support for the Seattle Police Department's Body Worn Camera program.
<b>Permit System Integration</b>	<b>\$2,678,711</b>	Department specific efforts for FAS (\$1.4M) and SFD (\$1.2M)
<b>HRIS Replacement</b>	<b>\$0</b>	Replace Seattle's current Human Resources Information System. Funding for the initial phase of this project was added in the 2016 2 <sup>nd</sup> Quarter Supplemental Budget Ordinance; additional project funding occurs in 2019 but there are no funds for 2017 or 2018.
<b>MCIS Replacement</b>	<b>\$2,518,625</b>	Implement an enterprise case management system for the Seattle Municipal Court (SMC).
<b>SRI Side System Support</b>	<b>\$5,721,663</b>	Integration of side systems for several City departments with the Summit Reimplementation.
<b>Department Total</b>	<b>\$42,335,801</b>	

### CIP Revenue Sources

Seattle IT's CIP is funded through a variety of revenue sources including:

- **Rates/Allocations:** There are multiple services within the department allocated based on a percentage of use for the service provided. In addition, services are billed using a basis for the service billed—for example, time and materials, quantity of equipment and/or actual costs. Costs for labor and materials in this category are also billed directly to projects supported by the department. Seattle IT's proposed CIP includes some future projects funded using proceeds from general obligation bonds. Rates and allocations provide the funds to repay the debt service on these bonds. In recent years, rates and allocations have accounted for an increasing percentage of Seattle IT's CIP funding.
- **State and Federal Grants:** Federal and state grants have been used to finance system replacements and new capabilities. In some cases, Seattle IT has been the direct recipient of the funds, and in others it managed grant-funded projects for customers. The use of grant funding for the Seattle IT CIP has been intermittent.
- **Cable Franchise Fees:** Seattle IT collects cable franchise fees set in franchise agreements with the cable provider. Some of this revenue has been used to fund the Operations and Maintenance (O&M) CIP Program which supports the Seattle Channel. Cable fees have historically provided less than 1% of Seattle IT's CIP program.
- **Reserves:** In some instances, Seattle IT's rates and allocations include the collection of funds which are accumulated and held in a reserve in Seattle IT's Operating Fund balance. Currently, this is only done for the 800MHz radio system, although it has been considered in other areas. Expenditures of these reserve funds appear in the CIP program. Historically, there is a low level of spending for ongoing O&M items with intermittent large expenditures associated with major replacements and upgrades.

## Seattle Information Technology Department

- **Private Dollars:** Private funding contributes to capital projects. In the past, Seattle IT projects have occasionally included funding from external non-public sources. Such instances are highly intermittent, usually for relatively small dollar value and not projected to continue at any appreciable level.
- **Levy:** In the past, Seattle IT received some CIP funding from a levy for the development, acquisition and installation of the 800 MHz emergency radio communication system. Going forward, the replacement and upgrade of the countywide radio system will be funded by the Puget Sound Emergency Radio Network Levy, which was approved by King County voters in 2015. Outside of that, no additional levy funding is anticipated.
- **To Be Determined:** Occasionally, Seattle IT's adopted CIP includes future projects for which a specific funding source has yet to be specified. These projects will not go forward unless funding is secured.

# Seattle Information Technology Department

## CIP Highlights

Seattle IT's proposed CIP budget for 2017-2022 focuses on ensuring the continued reliability and operation of the City's technology tools and systems, maintaining technology and data security, improving staff efficiency and effectiveness, and helping make government more accessible, accountable and transparent.

The proposed budget includes funding for a number of major projects and initiatives, including:

- Computing Services Architecture (\$18.8 million) funds the major maintenance and regular replacement of server and data storage equipment operated by Seattle IT on behalf of other City departments. This ongoing program addresses issues including "Software as a Service," in which software is licensed on a subscription basis and is centrally hosted on cloud-based services. It will also support a number of ongoing maintenance agreements for the Next Generation Data Center. To assist with the new maintenance obligations, the Alternate Data Center project is being closed, and the remaining funds in this project for 2017-2022 are being restructured and moved into the Computing Services CIP.
- Data and Telephone Infrastructure project (\$18.6 million) funds the maintenance, replacement and upgrades of software and major hardware for the City's data and telephone systems. The City is expanding network capacity to support its increasing use of common data sources and applications, such as GIS, and common tools like web content management systems. Additionally, the City is pursuing a multi-year project to implement a unified communications system to replace its existing telephone and voice over internet protocol systems.
- IT Security (\$5.1 million) provides funds to acquire, maintain, replace and upgrade hardware and software for the City's IT security systems. Beginning in 2017, funding is added to expand the capacity of the City's IT security systems, including the configuration of web applications to be protected by a web application firewall, as well as to meet regulatory compliance requirements.
- The Seattle Municipal Tower Remodel-IT (\$12.0 million) is a multi-year project to renovate and expand space for Seattle IT. Work will begin in 2017 to convert the City's old data center location in the Seattle Municipal Tower into office space.

The proposed budget also includes the following new CIP projects:

- Human Resources Information System (HRIS) Replacement Project (\$1.5 million in 2019) provides funding to re-implement or replace HRIS which supports the City's payroll processing, benefits administration and retirement payroll. In 2019, the project's initial phase will review and evaluate options available to the City.
- Municipal Court Information System Replacement Project (preliminary estimated total cost of \$41.1 million) provides funds to plan and implement an enterprise case management system used by the Seattle Municipal Court. The system is also used by a variety of internal and external stakeholders including the Seattle Police Department, the City Attorney's Office and various state agencies. The current City system, developed in

## 2017-2022 Proposed Capital Improvement Program

## Seattle Information Technology Department

1990, is antiquated and causing interoperability issues with other criminal justice systems. Transitioning the current system is vital as the technical expertise to support and modify the legacy system becomes increasingly unavailable.

- Applications Development – Multiple Departments (\$4.8 million) provides funding to develop, implement and enhance software applications used by City departments. These projects will improve business processes for budgeting, contracting, regulatory compliance and data management. Additionally, this effort seeks to replace or refresh current systems while consolidating duplicative systems.
- SDOT Applications Development (\$6.0 million) funds the development and implementation of software applications used by the Seattle Department of Transportation (SDOT). Improved applications will improve project tracking, field work and coordination with public and private partners. These applications will help SDOT facilitate ongoing projects including those funded by the Move Seattle levy.
- Seattle Police Department (SPD) Applications Development (\$5.8 million) provides funds to develop and implement software applications used by SPD. The applications will improve personnel oversight and deployment in addition to enhancing the accessibility and quality of SPD data. Projects funded for 2017 include a replacement of the SPD Records Management System which will provide personnel with a modern and streamlined interface, as well as a replacement for the SPD work scheduling system. These applications will support ongoing efforts to achieve improved transparency and compliance.
- SPD Body-worn Video (\$13.6 million) provides funding to develop, implement and support the body-worn video program. The initiative will provide the infrastructure and support required to store, inventory, redact and disseminate media recorded by body-worn cameras. The project will provide another accountable record of law enforcement interactions.
- Permit System Integration (\$7.6 million) provides funding to develop, implement and support a cross-department platform for the City's regulatory oversight. The platform will provide internal and external stakeholders with streamlined processes and accessibility. In addition, the project seeks to automate labor-intensive processes while establishing tracking and reporting of performance metrics.
- Summit Re-Implementation Project Side Systems (\$8.1 million) provides funding to redevelop and reintegrate numerous department systems with the Summit Reimplementation (SRI) Project. These department systems are highly integrated with Summit and are now supported by Seattle IT. Streamlining and integrating these systems will allow users to maintain functionality in the latest implementation of Summit.

# Seattle Information Technology Department

The table below reflects Seattle IT's Proposed CIP Budget for 2017-2022 by program and major cost category.

Proposed Seattle IT 2017-2022 CIP Budget								
\$, millions								
Program	Equipment Replacement (funded)	Facilities	Major Maintenance	New Capacity/Ability (funded)	PM Services for Projects	Software Upgrades	Unfunded Needs	Total
800MHz Radio Program	8.6	-	-	-	-	-	-	8.6
Computing Services Arch Program	6.1	-	11.5	-	-	-	1.2	18.8
Data & Telephone Program	12.2	-	5.3	0.5	-	-	0.6	18.6
Enterprise Computing Program	-	-	-	-	-	-	4.5	4.5
Fiber Program	-	-	8.1	-	17.0	-	-	25.1
IT Security	0.0	-	0.9	3.1	-	1.0	-	5.1
Next Gen Data Center	-	-	-	-	-	-	30.4	30.4
Seattle Channel Program	1.9	-	0.5	-	-	-	-	2.4
SPD DAP	-	-	-	-	-	6.2	-	6.2
SMT Remodel- IT	-	6.0	-	-	-	-	6.0	12.0
Technology Mgmt Tools	-	-	2.7	-	-	-	2.9	5.6
HRIS Replacement	-	-	-	-	-	1.5	-	1.5
MCIS Replacement	-	-	-	-	-	41.1	-	41.1
Permit System Integration	-	-	-	-	-	7.6	-	7.6
Apps Development- GF	-	-	-	-	-	1.2	-	1.2
Apps Development- DON	-	-	-	-	-	1.2	-	1.2
Apps Development- DPR	-	-	-	-	-	2.4	-	2.4
Apps Development- SDOT	-	-	-	-	-	6.0	-	6.0
Apps Development- SPD	-	-	-	-	-	5.8	-	5.8
SRI Side System Support	-	-	-	-	-	8.1	-	8.1
SPD Body Worn Video	-	-	-	13.6	-	-	-	13.6
<b>Total</b>	<b>28.8</b>	<b>6.0</b>	<b>28.9</b>	<b>17.2</b>	<b>17.0</b>	<b>82.2</b>	<b>45.7</b>	<b>225.9</b>

## Thematic Priorities

In addition to supporting Mayoral and City Council goals for the City, Seattle IT uses the priorities adopted by the Mayor's IT Subcabinet to drive its work and consequently its operating and CIP budgets. These are:

### *Priority 1: Service and System Maturity*

Seattle IT strives to deliver enterprise grade, scalable, sustainable services to its customers. The department began implementing an IT Service Management approach to delivering its more than 50 services in 2014. Many of the services Seattle IT operates have not evolved with the rapid technology advances of the past decade, nor are investments being made to automate service delivery or improve service levels. Focusing on service and system maturity will lower ongoing operational costs and improve the customer experience.

### *Priority 2: Smart, Data-Driven City*

Seattle has grown by 70,000 people in the past five years and is projected to grow by 120,000 more by 2035 – a 31% population increase. City government staff will not increase at a similar rate, and the challenges the City faces will also continue to grow. This includes everything from sustainability and energy use to safety and effective service delivery.

Technology is creating new opportunities to deal with these challenges including reducing traffic congestion, fighting crime, fostering economic development, reducing greenhouse gases and making local governments more open, responsive and efficient. Unlocking the promise of a

## 2017-2022 Proposed Capital Improvement Program

## Seattle Information Technology Department

smart, data-driven city requires a focus on data governance, consistent tools that facilitate cross-department collaboration and educating the public on how to leverage the City's resources.

### *Priority 3: Digital Equity*

Internet access and the skills necessary to be successful online are vitally important to Seattle residents. All residents deserve access to basic services, educational and employment information, and the ability to connect with friends and family. The Digital Equity Initiative aims to close the digital gap and provide these benefits to every resident.

The Digital Equity Initiative was launched in response to the City's Technology Indicators Report which was released in May 2014. The report found significant disparities in internet access and digital literacy skills for people with less education, or who are low-income, seniors, have disabilities, minorities, or immigrants. The initiative is one part of the Mayor's strategy to increase access, affordability and public-private-community partnerships. It seeks to ensure all residents and neighborhoods have the information technology capacity needed for civic and cultural participation, employment, lifelong learning and access to essential services.

Through a combination of reallocated City staff time, financial investments and community partnerships, the City is focusing on all three prongs of the Action Plan: devices and technical support, skills training and connectivity.

### *Priority 4: Public Experience*

In 2015, Mayor Murray challenged the City with identifying new ways to engage and communicate with the public. The Department of Neighborhoods was identified as the one-stop department for communicating with the public and developing a model for facilitating public engagement.

Technology can greatly improve the efficiency and cost-effectiveness of government services by facilitating, automating, and streamlining interactions among the public, government employees, service providers and other stakeholders. In addition, new technologies provide government workers with better tools to perform daily tasks, improving interactions inside government.

With the creation of Seattle IT, the City can envision and plan for enterprise solutions that enhance public engagement and improve user experience.

### *Priority 5: Optimization*

Seattle IT was created to increase the value delivered from the City's information technology investment. More than 650 staff from across the City's executive branch departments came together to form the new department with a focus on creating capacity to deliver strategic and innovative technology projects that meet department needs. Funding provided in the 2016 budget enabled change management and other consolidation related activities, including the integration of key shared service teams, including service desks, network, storage and similar infrastructure teams. In 2017-18, Seattle IT has an opportunity to continue optimizing the department's structure and changing how the City develops and operates applications.

## Project Selection Criteria

As part of IT consolidation, Seattle IT is revising its business relationship management and project intake process. The new processes will be implemented in 2017. The process described below is the one Seattle IT used in 2016 to identify and prioritize projects for inclusion in its CIP.

### STEP 1: Identification of Technology Needs and Opportunities

In this step, needs and opportunities for technology investments are identified. This happens on a rolling basis throughout the year, as well as during the budget planning process. Information is drawn from a number of sources, including:

- customer department requests and requirements (including aligning technology plans to department strategic plans)
- Seattle IT Strategic Agenda
- technology roadmaps (updated annually)
- asset replacement schedules
- coordination with partners (regional efforts, vendor partners, etc.)

This step includes development of initial cost estimates and other resource requirements, potential timing and dependencies. At the completion of this step, potential projects are added to the Citywide IT Project Portfolio for tracking and consideration through the Seattle IT's Project Gate Review process.

### STEP 2: Identification of CIP and Non-Discretionary Projects

As part of the Gate Review process, items identified in Step 1 are evaluated to determine if they are (1) CIP appropriate or not and (2) discretionary or not. Criteria for determining if they are CIP appropriate or not include:

- overall dollar value
- timeframe of implementation (e.g., multi-year project)
- lifespan of investment
- investment in/preservation of long-term infrastructure

Criteria for determining if they are non-discretionary include:

- legally mandated (e.g., debt service, federal or state law/regulation changes, court orders, etc.)
- urgent security or risk mitigation needs (e.g., major system failure, major security breach)
- reimbursable services to others (e.g., Seattle IT manages a regional fiber consortium where the partners contract with/through us to get work done).

Projects which are determined to be non-discretionary are included in the CIP and budget proposal. Discretionary projects proceed to Step 3. Regardless of discretionary status, project requests complete the Gate Review process to validate projects are established with the appropriate governance, value proposition and risk mitigation planning.

# Seattle Information Technology Department

## STEP 3: Prioritization of CIP Appropriate Discretionary Projects

Seattle IT then screens projects to determine if they are a match for Seattle IT's normal maintenance/upgrade/replacement programs within the CIP. Projects such as these tend to be smaller in scale (<\$250,000) and/or "like for like" replacements (e.g., old equipment replaced by new equipment with little to no functionality change). These projects are rated by program managers based on criteria tailored to each program and implemented as annual funding allows.

Larger capital projects which are best implemented on a stand-alone basis due to the size and complexity of the project are evaluated and ranked separately based on the following criteria:

- asset preservation/replacement/maintenance
- product lifecycles
- legal requirements/mandates
- security/risk mitigation
- reimbursable from other sources (other departments or outside entities, grants, reserves)
- dependencies (on other products, equipment, etc.; also on staff/resource availability/long-term supportability)
- internal customer demands (including capacity) – including Mayoral/City Council/MITS priority
- external customer demands – public, businesses, etc.
- external drivers (vendor changes, regional commitments, etc.)
- efficiency/effectiveness improvements/resource savings and return on investment
- key future trend/forward-looking/pro-active

## Summary of Upcoming Budget Issues and Challenges

- **Rapid and major changes in technology:** The continued rapid rate of change in technology presents a major challenge for the City. User demands (both internal staff and constituents) around technology continue to grow as available functionality expands exponentially. New technologies provide new solutions and new opportunities, but at the same time they can initially disrupt productivity, require upfront costs, and affect security, privacy and governance landscape. Vendors regularly de-certify and stop supporting products the City relies on, leaving the choice of spending significant amounts of money to upgrade to supported products or risk running important/critical City functions on unsupported platforms. At the same time, the method by which vendors deliver technology solutions is rapidly changing. Many vendors are moving away from delivering a software product to the City for installations on City servers and instead, offering cloud-based and hosted solutions that the City can access on a subscription basis. While offering many benefits, this changing delivery approach requires increased City investments in identity management, data integration and contract management.
- **Creation of Seattle IT and the need for rationalization/duplication:** The City has a 15-year history of making technology decisions in the context of individual departments without referencing or considering efficiency or the costs to the City government as a whole. With the consolidation of 15 legacy IT teams into the new Seattle IT, the department is increasingly aware of the duplication created from this approach. Many systems in the City perform the same or similar functions, which results not only in

## Seattle Information Technology Department

higher upfront costs but duplicative, more expensive ongoing maintenance and operations. Seattle IT is investing in an application rationalization assessment to help identify opportunities to reduce application spending and assess duplicative services that could be combined to reduce spending. Any changes made, such as discontinuing an application or service, will require willingness of affected City departments and users to convert to a new way of performing their work. These may be difficult conversations and decisions to make based on familiarity with the current applications, however Seattle IT will remain focused on balancing user needs with costs.

- **Consistency:** The City should strive to offer a consistent and connected experience across its web, mobile and customer service hotlines. Regardless of which medium a user selects, they should be able to obtain a view of their relationship with the City, submit and see the status of service requests, find City resources and connect with their elected officials with one set of authentication credentials. Achieving this vision will require departments to agree to a common data and enterprise architecture for self-service customer service solutions. It will also require departments to assess their customer-facing processes and potentially make modifications to incorporate touch points with the City's common architecture and customer service processes. Similarly, making city services available across multiple platforms and in multiple languages will require departments to agree to implement key standards for website and application development. Seattle IT took steps to address this issue in 2016 with the redesign of key sites hosted on the Seattle.gov website with remaining City sites to be redesigned by 2018. In 2017, Seattle IT will consider how to develop common user experience standards across City applications.
- **Security and Privacy:** The security risks associated with technology continue to grow - the variety of threats from mobile devices, social media, compromised web sites and other sources continues to multiply. Cloud services and the increased use of mobile devices offer a new set of security-related challenges. At the same time, the City collects and uses a vast and expanding amount of data on a regular basis. Some of this data contains personally-identifiable information or may otherwise pose a privacy concern if exposed or if used in a manner inconsistent with public expectations. Emphasis is shifting away from end-point security to risk management of critical assets and assurance of identity. Preventive controls are no longer reliable, requiring a greater emphasis on the ability to locate and quickly remediate compromised technology.

### Future Projects/What is on the Horizon

Seattle IT has identified several initiatives and issues on the horizon that will need to be addressed at some future point.

- **Software systems which require replacement/upgrades.** Prior to IT consolidation, the CIP did not include funds to cover replacement of large applications owned and operated by individual departments. After IT consolidation, Seattle IT inherited responsibility for many such systems, most of which did not come with long-term replacement funding. Replacement/upgrades for systems owned and operated by Seattle Public Utilities and Seattle City Light will be funded out of their own CIP with Seattle IT acting as the service provider. However, funds for large General Fund systems needing replacement are not currently programmed into our CIP.

## Seattle Information Technology Department

- **Long term major upgrades to the Regional Radio System.** The City is part of a regional public safety radio system. The current technology platform is approaching obsolescence and needs to be replaced or upgraded. The four co-owners of the existing system, including Seattle and King County, are working together to implement a replacement radio system. A levy to fund this important initiative was passed in spring 2015 and a formal governance structure for the effort was adopted via an interlocal agreement signed by the 12 participating jurisdictions. Work on tower siting, design and construction and system design is underway and will continue into 2018. In addition, discussions are underway regarding the long term governance and operational support for the new system once it comes on line. As part of that effort, Seattle IT will identify and plan for the potential impacts on the City. The current CIP includes some preliminary estimates on anticipated financial impacts in 2018; however, it does not reflect the results of any potential changes resulting related to the future governance or operation of this system.
- **Infrastructure systems which require replacement/upgrades.** Seattle IT's CIP contains sufficient funding to cover routine replacement of lesser value items, especially those which occur every year (e.g., switches, mid-range servers, etc.). However, it is not funded sufficiently to cover larger value, more intermittent replacements, such as the next round of data center equipment.
- **Data Protection, Governance and Enterprise Content Management.** The City continues to face challenges regarding how it collects, protects and discloses data. These challenges stem from a lack of consistent data handling policies and procedures and a lack of tools to efficiently manage and identify data. The Citywide Privacy Program is making strides to educate City staff on data collection and handling best practices, but both this program and the rollout of Office 365 are identifying gaps in the City's approach to Enterprise Content Management. Seattle IT will continue to work with stakeholders across the City to understand what investments can help drive consistency across our data collection and handling practices, including policies that facilitate privacy consideration. New technology tools may be necessary to help enhance data protection and improve electronic discovery practices.
- **Make Seattle a national municipal leader in championing technology access and affordability for all residents.** The internet, and the access to the information and services it provides, is responsible for economic growth, job creation, education and a better way of life. But the internet only creates value for people if everyone has choices for equal and affordable access and the digital literacy to use that access effectively. Seattle IT will be reviewing past technology access initiatives, such as those delivered via libraries, community centers and outside partners to understand if they have led to increases in access and affordability. Using this knowledge, Seattle IT will develop an investment strategy to further increase the digital literacy.

# Seattle Information Technology

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Applications</b>					<b>BCL/Program Code:</b>				<b>D6600</b>
Applications Development-DON (D601TCDON)	0	0	637	105	108	111	114	117	1,192
Applications Development-DPR (D601TC DPR)	0	0	575	1,825	0	0	0	0	2,400
Applications Development-General Fund (D601TC000)	0	0	389	730	10	11	11	11	1,162
Applications Development-SDOT (D601TC DOT)	0	0	3,629	972	345	355	364	373	6,038
Applications Development-SPD (D601TC SPD)	0	0	3,381	1,853	600	0	0	0	5,834
Human Resources Information System Replacement Project (D601TC008)	0	500	0	0	1,500	0	0	0	2,000
Municipal Court Information System Replacement Project (D601TC009)	0	0	2,519	6,600	10,000	10,000	10,000	2,000	41,119
Permit System Integration (D601TC PSI)	0	0	2,679	3,975	227	233	239	245	7,598
SRI Side Systems Support (D601TC004)	0	0	5,722	2,361	0	0	0	0	8,083
<b>Applications</b>	<b>0</b>	<b>500</b>	<b>19,531</b>	<b>18,421</b>	<b>12,790</b>	<b>10,710</b>	<b>10,728</b>	<b>2,746</b>	<b>75,426</b>
<b>Business Office</b>					<b>BCL/Program Code:</b>				<b>D1100</b>
Data Analytics Platform - Seattle Police Department (D102TR005)	1,195	8,293	1,934	1,253	899	689	707	725	15,695
Next Generation Data Center (D102TC007)	27,779	13,566	0	0	0	21,769	6,170	2,482	71,766
Seattle Municipal Tower Remodel - IT (D102TC032)	0	500	6,000	6,000	0	0	0	0	12,500
Technology Management Tools (D102TC015)	85	3,123	422	435	448	3,358	472	484	8,827
<b>Business Office</b>	<b>29,059</b>	<b>25,482</b>	<b>8,356</b>	<b>7,688</b>	<b>1,347</b>	<b>25,816</b>	<b>7,349</b>	<b>3,691</b>	<b>108,788</b>
<b>Citywide IT Initiatives</b>					<b>BCL/Program Code:</b>				<b>D9900</b>
SPD Body Worn Video (D913TC000)	0	2,400	2,370	2,240	2,240	2,240	2,240	2,240	15,970
<b>Citywide IT Initiatives</b>	<b>0</b>	<b>2,400</b>	<b>2,370</b>	<b>2,240</b>	<b>2,240</b>	<b>2,240</b>	<b>2,240</b>	<b>2,240</b>	<b>15,970</b>
<b>Digital Engagement</b>					<b>BCL/Program Code:</b>				<b>D4400</b>
Seattle Channel Maintenance and Upgrade (D404EC001)	1,736	436	370	381	393	403	414	424	4,557
<b>Digital Engagement</b>	<b>1,736</b>	<b>436</b>	<b>370</b>	<b>381</b>	<b>393</b>	<b>403</b>	<b>414</b>	<b>424</b>	<b>4,557</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Information Technology

## Project Summary

<b>BCL/Program Name</b>									
<b>Project Title &amp; ID</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
<b>Engineering and Operations</b>					<b>BCL/Program Code:</b>				<b>D3300</b>
800 MHz Radio Network Program (D3RNRS)	17,451	1,349	1,181	4,650	669	687	705	723	27,415
Alternate Data Center (D301AR001)	1,169	64	0	0	0	0	0	0	1,233
Computing Services Architecture (D300CSARC)	11,833	3,570	2,740	2,818	4,118	2,978	3,057	3,135	34,249
Data and Telephone Infrastructure (COMMINFRA)	21,355	4,480	3,160	2,796	3,501	2,957	3,035	3,113	44,397
Enterprise Computing (D301CS001)	3,995	3,175	0	0	2,527	1,362	606	0	11,665
Fiber-Optic Communication Installation and Maintenance (FIBER)	28,974	3,765	3,896	4,013	4,133	4,245	4,356	4,468	57,850
<b>Engineering and Operations</b>	<b>84,777</b>	<b>16,403</b>	<b>10,977</b>	<b>14,277</b>	<b>14,948</b>	<b>12,229</b>	<b>11,759</b>	<b>11,439</b>	<b>176,809</b>
<b>Security, Risk and Compliance</b>					<b>BCL/Program Code:</b>				<b>D5500</b>
IT Security (D202TC001)	241	671	732	747	860	920	907	930	6,008
<b>Security, Risk and Compliance</b>	<b>241</b>	<b>671</b>	<b>732</b>	<b>747</b>	<b>860</b>	<b>920</b>	<b>907</b>	<b>930</b>	<b>6,008</b>
<b>Department Total*:</b>	<b>115,813</b>	<b>45,892</b>	<b>42,336</b>	<b>43,754</b>	<b>32,578</b>	<b>52,318</b>	<b>33,397</b>	<b>21,470</b>	<b>387,558</b>

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

### 2017 - 2022 Proposed Capital Improvement Program

# Seattle Information Technology

## Fund Summary

<b>Fund Name &amp; Code</b>	<b>LTD Actuals</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>Total</b>
Information Technology Fund (50410)	115,813	45,892	42,336	43,754	32,578	52,318	33,397	21,470	387,558
<b>Department Total*:</b>	115,813	45,892	42,336	43,754	32,578	52,318	33,397	21,470	387,558

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

**800 MHz Radio Network Program**

<b>BCL/Program Name:</b>	Engineering and Operations	<b>BCL/Program Code:</b>	D3300
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	D3RNRS	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th Ave / Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project funds the upgrades and replacement of software and hardware for the City of Seattle's portion of the King County Regional 800 MHz radio system. The 800 MHz radio system provides the communication infrastructure required for public safety operations such as 911, Medic One, Fire and Police.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	17,451	1,349	1,181	4,650	669	687	705	723	27,415
<b>Total:</b>	17,451	1,349	1,181	4,650	669	687	705	723	27,415
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	17,451	1,349	1,181	4,650	669	687	705	723	27,415
<b>Total*:</b>	17,451	1,349	1,181	4,650	669	687	705	723	27,415
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

Alternate Data Center

<b>BCL/Program Name:</b>	Engineering and Operations	<b>BCL/Program Code:</b>	D3300
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	D301AR001	<b>End Date:</b>	Q4/2016
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project supports enhancements to and expansion of the City's Alternate Data Center and is proposed to be combined with the Computing Services Architecture Program in the 2017-2022 Proposed CIP.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	1,169	64	0	0	0	0	0	0	1,233
<b>Total:</b>	1,169	64	0	0	0	0	0	0	1,233
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	1,169	64	0	0	0	0	0	0	1,233
<b>Total*:</b>	1,169	64	0	0	0	0	0	0	1,233
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

Applications Development- DON

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TCDON	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new program provides funds to develop, implement, and enhance software applications used by the Department of Neighborhoods (DON). Identified projects will improve business processes for budgeting, contracting, regulatory compliance, and data management. Additionally, this effort seeks to replace or refresh current systems while consolidating duplicative systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Cable Franchise Fees	0	0	637	105	108	111	114	117	1,192
<b>Total:</b>	0	0	637	105	108	111	114	117	1,192
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	637	105	108	111	114	117	1,192
<b>Total*:</b>	0	0	637	105	108	111	114	117	1,192

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

Applications Development- DPR

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TC DPR	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new program provides funds to develop, implement, and enhance software applications used by the Department of Parks and Recreation (DPR). Identified projects will improve business processes for budgeting, contracting, regulatory compliance, and data management. Additionally, this effort seeks to replace or refresh current systems while consolidating duplicative systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	0	0	575	1,825	0	0	0	0	2,400
<b>Total:</b>	0	0	575	1,825	0	0	0	0	2,400
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	575	1,825	0	0	0	0	2,400
<b>Total*:</b>	0	0	575	1,825	0	0	0	0	2,400

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## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

**Applications Development- General Fund**

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TC000	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new program provides funds to develop, implement, and enhance software applications used by City departments. Identified projects will improve business processes for budgeting, contracting, regulatory compliance, and data management. Additionally, this effort seeks to replace or refresh current systems while consolidating duplicative systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund Revenues	0	0	389	730	10	11	11	11	1,162
<b>Total:</b>	0	0	389	730	10	11	11	11	1,162
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	389	730	10	11	11	11	1,162
<b>Total*:</b>	0	0	389	730	10	11	11	11	1,162

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

**Applications Development- SDOT**

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TCDOT	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new project provides funds to develop and implement software applications used by the Seattle Department of Transportation (SDOT). Improved applications seek to enhance project tracking, field work, and coordination with public and private partners. These applications will help SDOT facilitate ongoing projects including those enabled by the Move Seattle levy.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	0	0	3,629	972	345	355	364	373	6,038
<b>Total:</b>	0	0	3,629	972	345	355	364	373	6,038
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	3,629	972	345	355	364	373	6,038
<b>Total*:</b>	0	0	3,629	972	345	355	364	373	6,038

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

Applications Development- SPD

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TCSPD	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new program provides funds to develop and implement software applications used by the Seattle Police Department (SPD). The applications will improve personnel oversight and deployment, in addition to enhancing the accessibility and quality of SPD data. These applications will support ongoing efforts to achieve improved transparency and compliance.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	0	0	3,381	1,853	600	0	0	0	5,834
<b>Total:</b>	0	0	3,381	1,853	600	0	0	0	5,834
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	3,381	1,853	600	0	0	0	5,834
<b>Total*:</b>	0	0	3,381	1,853	600	0	0	0	5,834

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

Computing Services Architecture

<b>BCL/Program Name:</b>	Engineering and Operations	<b>BCL/Program Code:</b>	D3300
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2008
<b>Project ID:</b>	D300CSARC	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project funds the regular replacement of and major maintenance of software, computing and storage systems on behalf of City departments by Seattle IT.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	0	1,218	0	0	0	1,218
Internal Service Fees and Allocations, Outside Funding Partners	10,833	3,570	2,740	2,818	2,900	2,978	3,057	3,135	32,031
2014 Multipurpose LTGO Bond Fund	1,000	0	0	0	0	0	0	0	1,000
<b>Total:</b>	11,833	3,570	2,740	2,818	4,118	2,978	3,057	3,135	34,249
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	11,833	3,570	2,740	2,818	4,118	2,978	3,057	3,135	34,249
<b>Total*:</b>	11,833	3,570	2,740	2,818	4,118	2,978	3,057	3,135	34,249
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

**Data Analytics Platform - Seattle Police Department**

<b>BCL/Program Name:</b>	Business Office	<b>BCL/Program Code:</b>	D1100
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q3/2015
<b>Project ID:</b>	D102TR005	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides funding for a Data Analytics Platform (DAP) in the Seattle Police Department to consolidate and manage data provided by a variety of systems related to police calls and incidents, citizen interactions, administrative processes, training and workforce management. This project will satisfy the requirements of the Settlement Agreement with the Department of Justice.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Subfund	1,195	4,893	1,934	1,253	899	689	707	725	12,295
Parking Garage Disposition Proceeds	0	3,400	0	0	0	0	0	0	3,400
<b>Total:</b>	1,195	8,293	1,934	1,253	899	689	707	725	15,695
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	1,195	8,293	1,934	1,253	899	689	707	725	15,695
<b>Total*:</b>	1,195	8,293	1,934	1,253	899	689	707	725	15,695

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

Data and Telephone Infrastructure

<b>BCL/Program Name:</b>	Engineering and Operations	<b>BCL/Program Code:</b>	D3300
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	COMMINFRA	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th Ave/Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides funds to maintain, replace, and upgrade software and major hardware for the City's data and telephone switching systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	0	622	0	0	0	622
General Obligation Bonds	1,400	0	0	0	0	0	0	0	1,400
Internal Service Fees and Allocations, Outside Funding Partners	19,955	4,480	3,160	2,796	2,879	2,957	3,035	3,113	42,375
<b>Total:</b>	21,355	4,480	3,160	2,796	3,501	2,957	3,035	3,113	44,397
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	21,355	4,480	3,160	2,796	3,501	2,957	3,035	3,113	44,397
<b>Total*:</b>	21,355	4,480	3,160	2,796	3,501	2,957	3,035	3,113	44,397
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

Enterprise Computing

<b>BCL/Program Name:</b>	Engineering and Operations	<b>BCL/Program Code:</b>	D3300
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q2/2008
<b>Project ID:</b>	D301CS001	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides for expansion and replacement of the City's enterprise class server, enterprise class storage and mid-range class storage.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	0	2,527	1,362	606	0	4,495
General Obligation Bonds	2,900	0	0	0	0	0	0	0	2,900
Internal Service Fees and Allocations, Outside Funding Partners	399	526	0	0	0	0	0	0	925
2014 Multipurpose LTGO Bond Fund	696	1,474	0	0	0	0	0	0	2,170
2015 Multipurpose LTGO Bond Fund	0	1,175	0	0	0	0	0	0	1,175
<b>Total:</b>	3,995	3,175	0	0	2,527	1,362	606	0	11,665
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	3,995	3,175	0	0	2,527	1,362	606	0	11,665
<b>Total*:</b>	3,995	3,175	0	0	2,527	1,362	606	0	11,665
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

**Fiber-Optic Communication Installation and Maintenance**

<b>BCL/Program Name:</b>	Engineering and Operations	<b>BCL/Program Code:</b>	D3300
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2009
<b>Project ID:</b>	FIBER	<b>End Date:</b>	ONGOING
<b>Location:</b>	Various Locations		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	In more than one District	<b>Urban Village:</b>	In more than one Urban Village

This ongoing project provides for the installation and maintenance of a high-speed fiber-optic communication network for the City and its external fiber partners. The fiber network includes, but is not limited to, sites such as libraries, public schools, fire and police stations, community centers, and other City facilities.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	28,974	3,765	3,896	4,013	4,133	4,245	4,356	4,468	57,850
<b>Total:</b>	28,974	3,765	3,896	4,013	4,133	4,245	4,356	4,468	57,850
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	28,974	3,765	3,896	4,013	4,133	4,245	4,356	4,468	57,850
<b>Total*:</b>	28,974	3,765	3,896	4,013	4,133	4,245	4,356	4,468	57,850
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

**Human Resources Information System Replacement Project**

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q3/2016
<b>Project ID:</b>	D601TC008	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new project provides funds to re-implement or replace HRIS, which supports the City's Payroll Processing, Human Resource, and Benefits Administration and Retirement Payroll. In 2019, the project's initial phase will review and evaluate options available to the City.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	0	500	0	0	1,500	0	0	0	2,000
<b>Total:</b>	0	500	0	0	1,500	0	0	0	2,000
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	500	0	0	1,500	0	0	0	2,000
<b>Total*:</b>	0	500	0	0	1,500	0	0	0	2,000
<b>Spending Plan by Fund</b>									
Information Technology Fund		0	0	0	1,500	0	0	0	1,500
<b>Total:</b>		0	0	0	1,500	0	0	0	1,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

IT Security

<b>BCL/Program Name:</b>	Security, Risk and Compliance	<b>BCL/Program Code:</b>	D5500
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2004
<b>Project ID:</b>	D202TC001	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides funds to acquire, maintain, replace and upgrade software and hardware for the City's IT security systems. Additional investments are planned for 2017-2022 to upgrade and enhance various IT security systems and leverage citywide enterprise agreements.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	241	671	732	747	860	920	907	930	6,008
<b>Total:</b>	241	671	732	747	860	920	907	930	6,008
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	241	671	732	747	860	920	907	930	6,008
<b>Total*:</b>	241	671	732	747	860	920	907	930	6,008
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

**Municipal Court Information System Replacement Project**

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TC009	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new project provides funds to plan and implement an enterprise case management system that will be used by the Seattle Municipal Court and accessed by a variety of internal and external stakeholders. The current City system, developed in 1990, is antiquated and causing interoperability issues with other significant systems. Transitioning the current system is vital as the technical expertise to support and modify the legacy system becomes unavailable.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
General Obligation Bonds	0	0	2,519	6,600	10,000	10,000	10,000	2,000	41,119
<b>Total:</b>	0	0	2,519	6,600	10,000	10,000	10,000	2,000	41,119
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	2,519	6,600	10,000	10,000	10,000	2,000	41,119
<b>Total*:</b>	0	0	2,519	6,600	10,000	10,000	10,000	2,000	41,119

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

Next Generation Data Center

<b>BCL/Program Name:</b>	Business Office	<b>BCL/Program Code:</b>	D1100
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2013
<b>Project ID:</b>	D102TC007	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th Ave / Various		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides a multi-year plan to upgrade and replace the City's existing data center environments. The project will replace aging data center facility systems with more efficient environments that provide increased resilience, maintainability and disaster recovery/business continuity to the City's information technology systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	0	0	21,769	6,170	2,482	30,421
Internal Service Fees and Allocations, Outside Funding Partners	0	3,979	0	0	0	0	0	0	3,979
2013 Multipurpose LTGO Bond Fund	2,625	0	0	0	0	0	0	0	2,625
2014 Multipurpose LTGO Bond Fund	25,154	2,300	0	0	0	0	0	0	27,454
2015 Multipurpose LTGO Bond Fund	0	7,287	0	0	0	0	0	0	7,287
<b>Total:</b>	<b>27,779</b>	<b>13,566</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,769</b>	<b>6,170</b>	<b>2,482</b>	<b>71,766</b>
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	27,779	13,566	0	0	0	21,769	6,170	2,482	71,766
<b>Total*:</b>	<b>27,779</b>	<b>13,566</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21,769</b>	<b>6,170</b>	<b>2,482</b>	<b>71,766</b>
<b>O &amp; M Costs (Savings)</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

Permit System Integration

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TCPSI	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This new project provides funding to develop, implement, support a cross-department platform for the City's regulatory oversight. The platform will provide internal and external stakeholders with streamlined processes and accessibility. In addition, the project seeks to automate labor-intensive processes while establishing tracking and reporting of performance metrics.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	0	0	2,679	3,975	227	233	239	245	7,598
<b>Total:</b>	0	0	2,679	3,975	227	233	239	245	7,598
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	2,679	3,975	227	233	239	245	7,598
<b>Total*:</b>	0	0	2,679	3,975	227	233	239	245	7,598

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

**Seattle Channel Maintenance and Upgrade**

<b>BCL/Program Name:</b>	Digital Engagement	<b>BCL/Program Code:</b>	D4400
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q4/2008
<b>Project ID:</b>	D404EC001	<b>End Date:</b>	ONGOING
<b>Location:</b>	600 4th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	7
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides funds to maintain, replace, and upgrade the cablecasting and production systems for the Seattle Channel.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	1,736	436	370	381	393	403	414	424	4,557
<b>Total:</b>	1,736	436	370	381	393	403	414	424	4,557
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	1,736	436	370	381	393	403	414	424	4,557
<b>Total*:</b>	1,736	436	370	381	393	403	414	424	4,557
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

Seattle Municipal Tower Remodel - IT

<b>BCL/Program Name:</b>	Business Office	<b>BCL/Program Code:</b>	D1100
<b>Project Type:</b>	Improved Facility	<b>Start Date:</b>	Q1/2016
<b>Project ID:</b>	D102TC032	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project begins a multi-year CIP program to acquire, renovate, and expand space for the new consolidated City IT department--Seattle Information Technology. Work will begin in 2017 with the conversion of the City's old data center back into office space.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	6,000	0	0	0	0	6,000
General Obligation Bonds	0	0	4,800	0	0	0	0	0	4,800
Internal Service Fees and Allocations, Outside Funding Partners	0	500	1,200	0	0	0	0	0	1,700
<b>Total:</b>	0	500	6,000	6,000	0	0	0	0	12,500
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	500	6,000	6,000	0	0	0	0	12,500
<b>Total*:</b>	0	500	6,000	6,000	0	0	0	0	12,500

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

**SPD Body Worn Video**

<b>BCL/Program Name:</b>	Citywide IT Initiatives	<b>BCL/Program Code:</b>	D9900
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q3/2016
<b>Project ID:</b>	D913TC000	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

The project includes the procurement and implementation of the Seattle Police Department's body-worn camera program. The project includes funding for equipment, operating and maintenance costs, and personnel costs for 2017 and 2018. Additional staff resources will be identified once a system is selected through the RFP process. SPD plans to issue the first cameras to patrol officers in early 2017. SPD developed a proposed approach for implementation, largely informed by the pilot program conducted in 2015.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	0	2,240	2,240	2,240	2,240	8,960
General Subfund Revenues	0	1,800	2,370	2,240	0	0	0	0	6,410
Miscellaneous Grants or Donations	0	600	0	0	0	0	0	0	600
<b>Total:</b>	0	2,400	2,370	2,240	2,240	2,240	2,240	2,240	15,970

**Fund Appropriations/Allocations**

Information Technology Fund	0	2,400	2,370	2,240	2,240	2,240	2,240	2,240	15,970
<b>Total*:</b>	0	2,400	2,370	2,240	2,240	2,240	2,240	2,240	15,970

**Spending Plan by Fund**

Information Technology Fund	273	4,497	2,240	2,240	2,240	2,240	2,240	2,240	15,970
<b>Total:</b>	273	4,497	2,240	2,240	2,240	2,240	2,240	2,240	15,970

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Seattle Information Technology

SRI Side Systems Support

<b>BCL/Program Name:</b>	Applications	<b>BCL/Program Code:</b>	D6600
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2017
<b>Project ID:</b>	D601TC004	<b>End Date:</b>	Q4/2018
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This project provides funding to redevelop and reintegrate numerous department systems with the Summit Reimplementation Project (SRI). These department systems are highly integrated with SUMMIT and are now supported by Seattle IT. Streamlining and integrating these systems will allow users to maintain functionality in the latest implementation of SUMMIT.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
Internal Service Fees and Allocations, Outside Funding Partners	0	0	5,722	2,361	0	0	0	0	8,083
<b>Total:</b>	0	0	5,722	2,361	0	0	0	0	8,083
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	0	0	5,722	2,361	0	0	0	0	8,083
<b>Total*:</b>	0	0	5,722	2,361	0	0	0	0	8,083

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Information Technology

Technology Management Tools

<b>BCL/Program Name:</b>	Business Office	<b>BCL/Program Code:</b>	D1100
<b>Project Type:</b>	New Investment	<b>Start Date:</b>	Q1/2014
<b>Project ID:</b>	D102TC015	<b>End Date:</b>	ONGOING
<b>Location:</b>	700 5th AVE		
<b>Neighborhood Plan:</b>	Not in a Neighborhood Plan	<b>Council District:</b>	3
<b>Neighborhood District:</b>	Downtown	<b>Urban Village:</b>	Commercial Core

This ongoing project provides funds to acquire, maintain, replace, and upgrade software tools to manage the City's technology systems.

	LTD Actuals	2016 Rev	2017	2018	2019	2020	2021	2022	Total
<b>Revenue Sources</b>									
To be determined	0	0	0	0	0	2,898	0	0	2,898
Internal Service Fees and Allocations, Outside Funding Partners	25	683	422	435	448	460	472	484	3,429
2015 Multipurpose LTGO Bond Fund	60	2,440	0	0	0	0	0	0	2,500
<b>Total:</b>	85	3,123	422	435	448	3,358	472	484	8,827
<b>Fund Appropriations/Allocations</b>									
Information Technology Fund	85	3,123	422	435	448	3,358	472	484	8,827
<b>Total*:</b>	85	3,123	422	435	448	3,358	472	484	8,827
<b>O &amp; M Costs (Savings)</b>			0	0	0	0	0	0	0

\* Funds are appropriated through the Adopted Budget at the Budget Control Level. Amounts shown above are in thousands of dollars.

**2017 - 2022 Proposed Capital Improvement Program**

## Department of Parks and Recreation

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
K730176	14th Avenue NW Park Boulevard Development (NW 58th to NW 62nd)	This project will provide 17,000 square feet of pedestrian and environmentally-friendly amenities such as swales, natural landscaping, and benches.	0 E 14th AVE NW/NW 58th ST/NW 62nd ST
K730309	Activating and Connecting to Greenways	This project will increase the number of miles of safe pedestrian routes for all ages.	205 Citywide
K732480	Bryant Site Development	This project will increase the waterfront parkland in Seattle by 3.9 acres.	0 1101 NE Boat ST
K730308	Develop 14 New Parks at Land-Banked Sites	This project will add 14 developed parks for active recreation to help meet the City's parks and open space goals.	5,299 Citywide
K730139	Donations- Green Space	This project will acquire various new properties.	0 Citywide
K730148	East John Street Open Space Development	This project adds green, environmentally sensitive improvements in an existing park.	0 Summit AVE E/E John ST
K732391	Golf Master Plan Implementation	This project includes new driving ranges, building replacements, perimeter trails and cart paths.	0 Citywide
K730011	Green Space Acquisitions- 2008 Parks Levy	This project will acquire various new properties.	0 Citywide
K730100	Marra-Desimone Park Development	This project will provide community and recreation space to the 8.7 acre site.	0 9026 4th AVE S
K730010	Neighborhood Park Acquisitions- 2008 Parks Levy	This project will acquire various new properties.	0 Multiple Locations
K730040	Opportunity Fund Acquisitions- 2008 Parks Levy	This project will acquire various new properties.	0 Citywide
K730306	Park Land Acquisition and Leverage Fund	This project will add acreage to Seattle's total park land acreage.	3,550 Citywide
K730115	Victor Steinbrueck Park Renovation	Capacity will depend on the project scope that will be the subject of additional citizen review consistent with the Parks Department's Public Involvement Policies.	0 2001 Western AVE

## Seattle Department of Transportation

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
TC367420	23rd Avenue Corridor Improvements	This project will install road improvements and improve the efficiency of Seattle's transportation network and of the regional transit network.	6,371 23rd AVE S/E John ST/Rainier AVE S

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017*	Location
TC367370	3rd Avenue Corridor Improvements	This project will increase the person-carrying capacity of Seattle's transportation network and of the regional transit network.	935	3rd AVE/S Jackson ST/Denny WAY
TC367330	Alaskan Way Main Corridor	The program will construct a new Alaskan Way surface street and public space.	23,618	Various
TC366050	Alaskan Way Viaduct Replacement	This project funds the City's involvement in the replacement of the Alaskan Way Viaduct and Seawall.	0	ALASKAN WY VI SB/BATTERY ST TUN OFF RP
TC367220	Aurora Rapid Ride Improvements	This project implements improvements for transit speed, reliability, access and convenience, consistent with the Transit Master Plan.	0	Various
TC367390	Ballard to Downtown High Capacity Transit and Ship Canal Crossing Project	This project will increase the person-carrying capacity of Seattle's transportation network and of the regional transit network	0	Downtown Ballard/Downtown Seattle
TC366760	Bike Master Plan Implementation	This program will install bike lanes and bicycle route signing, and complete links or reconstruct key sections of urban trails in order to increase bicycle safety and access.	9,165	Citywide
TC367690	Bike Share Expansion	Expand the bikeshare system to 250 stations with 2,500 bikes.	0	Citywide
TC367240	Broadway Streetcar Extension	This project will build a half-mile streetcar line.	0	Broadway E/E Denny Way/E Roy ST
TC364830	Burke-Gilman Trail Extension	This project will construct three miles of new multi-use trail.	0	Various
TC367070	Cheshiahud Lake Union Trail Project	This project will install a six mile loop trail.	0	Lake Union
TC323860	Collision Evaluation Program	This program identifies and facilitates safety improvements for high collision street locations.	170	Citywide
TC367100	First Hill Streetcar	The project constructs a modern, low-floor streetcar system.	0	Various
TC365850	Freight Spot Improvement Program	This project will improve mobility. Specific projects and the corresponding impacts on capacity are still to be determined.	1,500	Citywide
TC367530	Greenwood Avenue Sidewalks	This project will complete the sidewalk system on the east side of Greenwood Avenue N, between NW 92nd St and NW 105th St.	0	Greenwood AVE N/NW 92nd ST/NW 105th ST

\*Amounts in thousands of dollars

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
TC366930	Linden Avenue North Complete Streets	This project will install road improvements (concrete sidewalks, curb and gutters, and asphalt road section) on Linden from N 145th - N 128th.	0 Linden Ave N/N 128th St/N 145th St
TC367480	Madison Street Bus Rapid Transit	This project will increase the person-carrying capacity of Seattle's transportation network and of the regional transit network.	2,200 Madison ST/Alaskan WAY/Martin Luther King Junior WAY E
TC366060	Magnolia Bridge Replacement Project	This project will build a new bridge to current engineering standards to replace the existing bridge.	0 W Garfield St/15th Ave W/Thorndyke Ave W
TC365500	Mercer Corridor Project	This project will provide transportation improvements to enhance all modes of travel, including pedestrian mobility, and better utilize existing street capacity in the South Lake Union area.	0 Mercer St/Fairview Ave N/Dexter Ave N
TC367110	Mercer Corridor Project West Phase	The project will provide an east/west connection between I-5, SR99, and Elliott Ave W.	0 Mercer ST/Elliott AVE W/Dexter AVE N
TC323250	Neighborhood Traffic Control Program	This program will install traffic calming devices on neighborhood streets.	298 Citywide
TC367700	New Traffic Signals	This project will install new traffic signals to improve traffic flow, reduce the frequency and severity of traffic accidents, and support pedestrian activity.	515 Citywide
TC367350	Northgate Bridge and Cycle Track	This program will design and build pedestrian and bicycle improvements in order to increase safety and improve access to transit modes.	4,510 TBD
TC367380	Roosevelt Multimodal Corridor	This project will increase the person-carrying capacity of Seattle's transportation network and of the regional transit network.	0 Eastlake AVE/Stewart ST/NE 65th ST
TC366150	S Lander St. Grade Separation	The project will construct a grade separation of the S Lander St. roadway and the Burlington Northern mainline tracks between 1st and 4th Avenues S.	17,200 S Lander St/1st Ave S/4th Ave S
TC367410	Sound Transit - East Link	This project will provide design review, permitting, and construction support services for the Sound Transit - East Link project.	0 Citywide
TC367190	Sound Transit North Link	Construct a 4.3-mile light rail line and three stations at Northgate, Roosevelt and University District.	300 Various

\*Amounts in thousands of dollars

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Department of Transportation

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
TC367400	South Lake Union Streetcar	This project will add one streetcar to the South Lake Union line.	0 Various
TC364800	Spokane St. Viaduct	This project will install a temporary median barrier, make seismic improvements, widen the viaduct structure and build a new off-ramp at 4th Ave S.	0 S Spokane St/6th Ave S/E Marginal Wy S
TC366860	Transit Corridor Improvements	This program implements projects that improve transit speed, reliability, access, and convenience, consistent with the Transit Master Plan.	3,800 Citywide
TC367520	Vision Zero	This project will upgrade existing signals and signs, and install new ADA ramps, and pedestrian safety improvements.	2,400 Citywide

## Finance and Administrative Services

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
A1GM902	ADA Improvements - Citywide	This is an Asset Preservation project and has no requirements under the Growth Management Act (GMA).	172
A1ADA01	ADA Improvements - FAS	This is an Asset Preservation project and has no requirements under the Growth Management Act (GMA).	687
A1GM501	Civic Square	The Civic Square will extend the accessible public space of the municipal civic center in a manner consistent with the Civic Center Master Plan.	0 600 3rd Ave
A1MSY02	Electric Vehicle Charging Stations for Airport Way Center, Building C	This is an Asset Preservation project and has no requirements under the Growth Management Act (GMA).	0 2203 Airport WAY S
A1FL122	Fire Station 22	This project replaces the existing Fire Station 22 with a new 8,200 square foot facility, adding approximately 4,000 square feet.	6,611 901 E Roanoke St
A1PS207	Fire Station 31 Improvements		650 1319 N Northgate Way
A1FL132	Fire Station 32	This project replaces the existing Fire Station 32 with a new 20,000 square foot, 3 story facility, adding approximately 11,500 square feet.	2,000 3715 SW Alaska St

\*Amounts in thousands of dollars

## 2017 - 2022 Proposed Capital Improvement Program

## Finance and Administrative Services

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
A1PS107	North Precinct	The North Precinct serves all of Seattle north of the ship canal. The existing facility was built for a staff of 154 and is severely undersized for its current staffing of more than 254. SPD expects that the staffing for this precinct will continue to rise to meet public safety needs in the north end. Expanding the facility beyond the existing footprint is not feasible because of environmental concerns on the existing site. SPD would prefer to keep the precinct facility as a single command to minimize command and administrative costs. Conceptual planning considers replacing the existing facility with a new 60,000 square foot facility at a different location, adding approximately 43,000 square feet of precinct space, including holding cells and locker rooms, and a parking structure.	0 WAY/N 130th ST/Aurora AVE N
A1GM129	Seattle Municipal Courts	This is an Asset Preservation project and has no requirements under the Growth Management Act (GMA).	0 600 5th AVE
A1GM127	Seattle Municipal Tower IDF Infrastructure Upgrades	This is an Asset Preservation project and has no requirements under the Growth Management Act (GMA).	0 700 Fifth AVE

## Seattle City Light

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8426	Advanced Metering Infrastructure	Rationale: City Light is at a point where replacement is unavoidable and needed in the short term due to the age and condition of its meters, meter reading equipment, and software. Approximately 50% of 350,000 residential meters in the field are at least 30 years old, which is outside the estimated lifespan for electro-mechanical meters. As of February 2009, residential electro-mechanical meters are no longer being manufactured. The software and handheld devices currently used by City Light	7,980

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

meter readers to manually capture and record reads will no longer be supported after 2012. In addition, City Light currently employs 57 FTEs in Customer Billing and 44 FTE Meter Readers, of which 43%, or 25 FTE and 19 FTE respectively, are eligible to retire by 2014. This presents an opportunity for SCL to make operational changes that move the utility from a manual to an automated system at a time when it is needed. Alternative(s):

Option 1 - Recommended solution: Full AMI implementation as entered. This option's up front capital costs result in significant net savings due primarily to reduced labor costs and increased revenue. In addition, it establishes the infrastructure, technology, and capabilities for improved customer service and support for future plans and operations.

Option 2 - Status quo: Continue current meter replacement cycle using current commercially available digital meters without communication capabilities. At the current expenditure rate, between 5,000 and 7,000 meters are installed annually (replacement of failed meters, new meter growth, service changes, etc.). This option minimizes current annual capital costs, but does not provide for timely replacement of all electro-mechanical meters. In the event of accelerated failure rates from the aging meter population, capital costs would escalate.

Other options previously screened out:

- A. Replace failed electro-mechanical meters with working electro-mechanical meters. The cost of purchasing electro-mechanical meters is currently lower than digital units but they are no longer being manufactured. SCL would have to acquire used or refurbished replacement meters from other utilities or companies, with the risk that availability will be reduced over time.
- B. Replace current electro-mechanical meters on an accelerated schedule using commercially available digital meters without communication capabilities. This option carries significant capital costs for

*\*Amounts in thousands of dollars*

## Appendix A

8307	Alaskan Way Viaduct and Seawall Replacement - Utility Relocs	<p>meters, although it does not require the communications and IT infrastructure. It provides limited benefits, primarily through increased meter accuracy, but provides severely limited benefits compared to AMI deployment.</p> <p>C. Deploy AMI on a limited basis to Commercial and Industrial customers, plus a limited number of small services with access problems. Partial implementation would require reduced capital costs but substantially the same investment.</p> <p>Rationale: The Alaskan Way Viaduct replacement includes a complex transmission and network/non-network relocation, design and construction, and is on a fast track. This work is integrated and required by the broader transportation project. The externally generated project and schedule includes significant electrical relocation work in the near term that will extend for over a decade. The utility is required to relocate for transportation relocated projects. The City's overall plan for the Alaskan Way Viaduct project includes utility funded relocations for the viaduct replacement and for rebuilding the Seawall. The series of subprojects that make up the Alaskan Way Viaduct replacement have opportunities for system improvements that will also be funded under this program. For most of the subprojects in the Alaskan Way Viaduct project, utility relocations will lead the construction. Therefore any delay in accomplishing SCL work will result in delays along the overall projects critical path. While the designs &amp; construction schedules for the various subprojects in the Alaskan Way Viaduct program are being sequenced and detail design is underway for the immediate projects, the central waterfront elements of the overall project are beyond this budget cycle and are still in the preliminary design phases.</p> <p>Alternative(s): The Alaskan Way Viaduct program provides the utility with a combination of obligations and opportunities for system improvements over the next 6 years. The Alaskan Way</p>	39,881 SR 99 / Battery St
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*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

Appendix A

Viaduct program will likely be the City's primary construction focus as its various projects impact traffic and roadway construction, seawall stabilization, and urban design on the waterfront. Seattle City Light facility relocations will be a part of each of these projects. The global nature of the Viaduct Program also provides the opportunity to make system improvements that will provide for increased reliability and capacity for our customers. For example, work in the south end will include system improvements that will increase feeder capacity and reliability for Port customers. Undergrounding of transmission lines near Broad Sub are being done as part of an overall SDOT street improvement with costs shared based on a negotiated MOA with SDOT. The return of Aurora, north of Harrison Street to a city street, and the decommissioning of the Battery Street Tunnel provides an opportunity to extend ducts and vault across Aurora to help provide system capability to the NODO area.

9950 Automated Utility Design Implementation

Rationale: Presently, non-Network distribution engineers use a four version old release of a drafting tool called AutoCad. This tool incorporates significant custom code, making any updates costly and impractical. It has very limited design functionality needed to produce engineering designs and drawings. AutoCad cannot retrieve essential design data from the Distribution Automated Mapping System, requiring a manual process to incorporate needed data into the final design and drawings. It also does not provide design functionality such as cost estimating, material request creation, and customer letters. These design tasks are now done using a variety of stand alone manual tools which are inefficient, error prone, and time consuming. The AUD software will provide significant design and production efficiencies at a time when the engineering work load is increasing because of a shift to the engineers of production tasks. Additionally, the AUD software will enforce common North and South Service

869 System Wide

*\*Amounts in thousands of dollars*

## Appendix A

		Center engineering practices and procedures and provide an essential interface with WAMS (Work and Asset Management System) and OMS (Outage Management System). Alternative(s): Option I. Purchase design software and consultant services: This will result in appreciable savings, efficiencies, better staff utilization, and more standard and accurate engineering drawings and supply chain data. It will also eliminate custom code, enabling easy version updates. This is the preferred option because it will result in appreciable savings, efficiencies, better staff utilization, common engineering practices, and more accurate engineering drawings and supply chain data. It will also eliminate custom code enabling easy version updates and systems integration of AutoCad data with OMS and WAMS. Option II. Do nothing: The do nothing option will perpetuate the inefficient and costly engineering practices resulting from the use of drafting tools instead of design tools in the engineering process. It will also continue reliance and use of unsupported vendor software.	
6493	Boundary Switchyard - Generator Step-up Transformers	Rationale: Design to begin in 2010. Closeout in 2017. First transformer delivered in 2012. Alternative(s): An alternative approach would be to repair or replace units as they fail from deferred maintenance. This approach would eventually result in a significant loss of revenue and/or fines from a regulatory agency. Accepting the risk of failure would not be in the best interest of the utility. Having a spare unit onsite would prevent such failures.	6,802 10382 Boundary Rd, Metaline, WA 99153
8203	Broad Street Substation - Network	Rationale: Customer demand for higher loads continues. Capacity of the cables serving two sub-networks is near overload, requiring immediate attention to avoid cable failure and customer outages. In the next five years, customers are projected to exceed the capacity of cables in another five network subareas. This capital project addresses the means to serve customer demand for higher capacity. Reliability measures identified in the Network Strategic System Plan are incorporated into this capacity	6,060 319 6th AVE N

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

## Appendix A

driven work. Without this critical project it is very likely that there will be insufficient reliable electrical capacity in the very near future to hook up new customers and to serve present customers such as the Westin building. hernanju (7/29/21010): The project goal increases capacity of present Broad Street Substation network feeder cables to their ultimate service build-out limit (an overall increase of just under 100 MVA) as determined by Broad Street Substation's transformer capacity. This project constructs ten vaults and ten blocks of duct banks, re-conductors and relocates three primary feeders per year, upgrades/optimizes network transformers as needed, reduces secondary bus ties (reduce the size of the secondary grid resulting in greater reliability), and performs ancillary work. Alternative(s): Alternatives include: 1. Do nothing. Make no improvements to system reliability or additions to feeder capacity. This would allow customer load to continue growing without commensurate additions to capacity of feeders serving this area, ultimately leading to multiple cable failures and extended customer outages. This would reduce the customer reliability of the network systems from its present level, subjecting it to infrequent but lengthier outages. 2. Reduce customer demand for more loads with demand side management measures. This alternative was evaluated in the Network Strategic Systems Plan and found to have negligible ability to reduce customer demand in the network area. 3. Increase capacity of network feeders incrementally, as little as possible and as close to near-term load requirements as possible. 4. Increase capacity of network feeders to the full limit of the substations capability to deliver power. 5. Add measures that improve system reliability to mitigate the severity of any network event. 6. Add measures that improve customer reliability by preventing the chain of events leading to major customer impacts.

8465	Broadband - City Light	Rationale: The Gigabit Seattle project is a priority of the Mayor,	2,755
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*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

with a letter of intent already signed. It is currently in planning and implementation is expected to start 2013. The Gigabit Squared project alone may generate an additional 250 Joint Use permit applications, doubling the annual average and tripling the number of poles impacted annually. Based on the customer fee to attach to poles and potential for 10,000 poles to be impacted. Types of construction necessary include pole replacement, relocations of existing wires, equipment installation, commissioning, and inspections. All work must meet NESC, SCL, and vendor standards. A Small Works Roster, administered with the Public Works program of Finance and Administration (FAS), is being established to meet customer requests in a timely manner. Construction will be broken up into sections moving through the 14 designated neighborhoods. Approximately 20% of the preparation and installation is expected to be installed by the end of 2013. The first phase of work will include installing wireless equipment on designated roof tops throughout the identified 14 neighborhoods and extending high speed fiber from the City's fiber backbone. The remainder of the work will be executed in 2014 including the individual residential street build outs, corrective work, inspections, and close out of the initial deployment will extend into 2015. The goal for Gigabit Squared service is to reach 60,000 homes across 14 different Seattle neighborhoods. This will involve the installation of approximately 200-250 miles of fiber optic cable, impacting about 8,000 - 10,000 utility poles. The majority of the initial Gigabit Squared work will be connected to poles on arterial roadways. These poles are generally in better shape than poles along residential roadways. Additional work to bring fiber to the remaining Seattle neighborhoods is expected to be driven by another vendor that will partner with Gigabit Squared. This work is expected to Alternative(s): No Alternatives Provided.

*\*Amounts in thousands of dollars*

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8403	Citywide Undergrounding Initiative - City Light	Rationale: No Rationale Provided. Alternative(s): No Alternatives Provided.	10 System Wide
8430	Creston-Nelson to Intergate East Feeder Installation	Rationale: No Rationale Provided. Alternative(s): No Alternatives Provided.	301 Tukwila
8404	Denny Substation - Network	Rationale: This project is a result of a four years of advocacy by customers to make sure that the electrical distribution system has sufficient capacity to meet the projected loads in the rapidly growing area of North Downtown, and that the system has the reliability and voltage stability to support the research activities of the emerging biotech industry there. The principal stakeholders are the Fred Hutchinson Cancer Research Center, the UW School of Medicine, the Seattle Biomedical Research Institute, Rosetta Inpharmatics, ZymoGenetics, Children's Hospital and Medical Center, and the startups at the Accelerator Project. This five to seven year infrastructure project is specifically tailored and designed to the core needs of this business sector in the North Downtown area. The research activities and the laboratory equipment are so sensitive to system reliability and voltage stability that this area requires an extraordinary level of service from the utility. The motto is "World class research requires world class facilities.". The utility through this project is a partner in that effort. Because existing City Light substations cannot accommodate the new network feeders, this project requires the construction of a new North Downtown substation in a three to five year period, proposed as project 7757, North Downtown Substation Development. This network project cannot exist without the new substation. Alternative(s): 1. Enhance the service using non-network feeders from other substations. 2. Have individual customers invest in private reliability improvements. 3. Install network	7,582 Valley Street/Denny Ave

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

## Appendix A

system in core service area, including the biotech industries.

4. Install network system throughout North Downtown area. Option 1 is not feasible because the availability of feeders from adjacent substations is limited and in question over time. Option 2 has been tried recently, but did not meet the reliability needs of this set of customers. Option 3 is the recommended option, as it is effective in meeting the need and cost effective. Option 4 includes all customers in the area, which is not necessary and expensive.

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
7757	Denny Substation Development	<p>Rationale: The key premise of the North Downtown capacity plan is preparedness and flexibility to respond to future growth as it occurs and to provide the operational flexibility to operate the electrical system to serve new development and existing load. The estimates assume that the transmission and distribution getaways into North Downtown Substation will be underground. However, the figures in this project do not provide for undergrounding existing overhead circuits in the neighborhood. See project 8404, North Downtown System Network, which will construct the underground network that links the customers to the substation. City Light expects that the current and planned development of the North Downtown district requires a 200 MVA substation in the area. The factors determining the timing of this substation include actual and anticipated load growth in the North Downtown Area, and the demand for power from other substations that could possibly serve the area. Alternative(s): Updated by Michael Clark 6/10/11: SCL System Planning Group is working with a consultant to validate existing SCL Service Area Loads, perform a 10yr &amp; 20yr forecast for entire SCL Service area, and prepare small area load forecast for the North Downtown service area, with specific recommendations regarding development of a NODO Substation and NODO Network to provide service to this area. The alternatives for the NODO Substation will be: 1. Do nothing. 2. Transfer load to adjacent substations. 3. Reinforce Broad Substation. 4. Construct new North Downtown Substation with Radial or Network Distribution System, Voltage Level (13.8kV or 26kV), and Transmission Alternatives. SCL System Planning Group anticipates making formal recommendations regarding NODO Substation in QTR3 2011.</p>	57,405 System Wide

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
7125	Denny Substation Transmission Lines	Rationale: No Rationale Provided. Alternative(s): No Alternatives Provided.	8,096 System Wide
9307	Distribution Area Communications Networks	Rationale: The communication systems now employed are in need increased capacity, better security, faster speeds, and increased reliability to meet new regulatory requirements. This will meet our ever increasing data and voice communication needs and take us twenty years or more into the future. Maintenance costs are lower because increased redundancy and reliability as well as better system alarms and the capability to remotely troubleshoot and reprogram the system. Traffic on the network is easily rerouted until major failures can be repaired. The new requirements of security, relaying, Automated Meter Reading, Automated Distribution and other automated systems will be easier to implement at lower cost once this project is completed. The system is easily upgraded to increase capacity or take advantage of new technology as it becomes available. Alternative(s): Option 1 Proceed as proposed. Install/complete fiber optic rings. Option 2 Do nothing. Have an inadequate communications network, with a high expense O&M component.	1,115 Citywide

*\*Amounts in thousands of dollars*

#### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
9966	Distribution Management System	Rationale: City Light currently uses manual processes to accomplish this work, but without the same outcome. Manual processes require reviewing maps to determine system configuration and options. They also do not provide accurate estimates of customers impacted by planned outages, and require additional labor to perform planning. DMS would be installed when it is determined that City Light has enough substation automation, communication infrastructure, Advanced Metering Infrastructure (AMI), and Supervisory Control and Data Acquisition (SCADA) field switching equipment in place to benefit from its use. The labor saving benefit will be achieved by maximizing the utilization of the substation and SCADA field switching equipment linked to the DMS. Customers will receive more accurate information regarding planned outages, and in some cases, reduce the area needed for the outage because of the ability to create switching scenarios during the planning process. Alternative(s): The only alternative direction would be to delay installation of DMS or choose not to install.	0
9101	Equipment Fleet Replacement	Rationale: As mobile equipment ages, it reaches a point where it becomes more economical to replace the equipment than to continue to repair it. In the past, the mobile equipment fleet coordinator used a twenty year replacement plan to maintain City Light's vehicle pool. Due to replacement deferrals starting in the mid 90's and the budget cuts which began in 2000, that replacement plan by necessity was revised. We are now faced with replacing fleet on an as needed basis. That priority is to replace the most often used, specialized, or critical equipment to the Utility, or the most costly to maintain and least reliable vehicles first. To get back to an	7,500 System Wide

\*Amounts in thousands of dollars

#### 2017 - 2022 Proposed Capital Improvement Program

established plan will require seven plus years of enhanced financing. A seven year recovery plan requires \$10 million annually. That plan has been underfunded for 15 years. The planned annual purchases, per the twenty year plan for the heavy fleet equates to approximately \$8 million per year. That \$10 million replaces the equipment that normally needs to be replaced every year and addresses some of the equipment that has been deferred. The proposed \$10 million will not fully cover inflation and the increasing cost of materials as many purchases now have a steel surcharge added. There are also added emissions requirements for the coming years starting in 2007. This will require about \$10,000 per diesel engine along with design changes to accommodate space for higher heat and larger exhaust pipes. The Memorandum of Understanding between the Fleet Management Department (FMD) and Seattle City Light (SCL) regarding financing and management of the City Light Fleet states on June 22, 1998, the City Council adopted Resolution 29771. In that resolution is reference to Timely Replacement of Vehicles. The recommendation is to replace vehicles in a timely manner, when fully depreciated. Alternative(s): The recommended alternative is to address the backlog of City Light vehicles, heavy and light fleet, on a plan spread over 7 or more years (a \$30 million backlog currently on a \$130 million fleet) A second plan would be to not purchase fleet vehicles. This option would result in paying both higher maintenance costs for worn out vehicles and higher rental costs both for specialized vehicles and daily use vehicles currently at \$2 million annually. It also has safety ramifications when considering malfunctions and inopportune breakdowns. A third plan would be to continue to not address the back log but replace on an as needed basis. This plan requires more rental costs and time loss due to equipment down time. It also does not address the need to be more fuel efficient and environmentally friendly. This plan to replace only as needed

*\*Amounts in thousands of dollars*

## Appendix A

		would be less reliable for tracking or budgeting. Address the back log through a sevenh year or longer plan.	
8407	First Hill - Network Load Transfer	Rationale: No Rationale Provided. Alternative(s): No Alternatives Provided.	0 1100 Madison St.
8442	First Hill Connector Streetcar	Rationale: This project is being set up as a separate project similar to other SDOT streetcar projects. The funding for the relocation portion of this project comes from Sound Transit, with the City of Seattle expectation that Sound Transit is covering all construction related costs. SCL is adopting a project management structure to reflect this as a special reimbursement agreement by the City. Alternative(s): Typically, SCL is required by state law to provide power relocations needed to facilitate transportation projects. With Sound Transit funding, this requires special consideration for project structure and reimbursement agreement. SDOT's First Hill Connector project team will establish the final route and placement in the road, based on traffic, utility relocations, and project costs.	306 Broadway / Boren / Jackson / King
6470	Generation Federal Reliability Standards Improvements	Rationale: In June 2007, newly established standards regulating the North American bulk electric power system, which includes generation and transmission, became mandatory. Failure to comply may be punishable by financial penalties of up to \$1 million per day per violation. As of April 2008, there are 140 standards in force; 30 of these apply to Seattle City Light's (SCL) Power Production Division. SCL is in full compliance with many of the standards, but has identified elements of the new standards which require rapid mitigation to avoid financial penalty or other forms of censure. Publication of new and revised standards requires an on-going project level effort to put improvements into service which keep generation equipment and operations in full compliance. Alternative(s): No Alternatives Provided.	10 500 Newhalem Creek Rd, Marblemount, WA 98267
7756	Interbay Substation - Development	Rationale: The Broad Street Substation is reaching its capacity to serve the network and the growing South Lake Union neighborhood. The limiting factor is an inability to construct	0 17th Ave West/West Bertonæ St

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

additional underground feeders to carry electrical current in to the area. The existing 26 kV distribution system and substations are becoming overloaded and a new 26-kV substation will feed the areas load growth. The 115 kV ring bus work at Broad Street and Canal Substations will provide the connections to the transmission system. The new substations will provide 10 to 15 new 26 kV getaways, adding to the distribution network and providing a new path for power to the area. Because City Light already owns property for a station in Interbay, it is the nearest opportunity we have to add capacity in the western part of the service area that will off-load demand from the Broad Street Substation for the South Lake Union district. Developers who are interested in projects in the SLU district want to know that City Light will be able to serve their needs reliably.

Alternative(s): 1. Not build the new substation.  
2. Option one build: Contract out the design and construction  
3. Option two build: Have City Light design and integrate the facility into the distribution system, and construct the facility.

It requires at least 36 months to site, contract for design, construct, and energize a distribution substation. There are several alternatives such as installing distributed generation facilities to meet load growth. City Light has considered constructing additional transmission corridors from the University Substation and/or Canal Substation. Both alternatives require crossing a body of water, which are expensive options even if environmental challenges do not delay or halt progress. Given the recognized growth in South Lake Union, City Light selected the most cost effective and achievable option - constructing a station at Interbay to serve the growing load in that part of the service territory.

*\*Amounts in thousands of dollars*

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8365	Large Overhead and Underground Services	<p>Rationale: There is a continuous demand for additional electric power services as new construction and renovation work occurs. Seattle City Light provides service to new customers in a safe, reliable, timely, and cost effective manner as a means to fulfill its commitment to be a customer and community focused organization.</p> <p>Alternative(s): Each service connection may have unique aspects that would require or facilitate design, construction, and financing alternatives. Seattle City Light will fully consider alternatives as a means to fulfill its commitment to be a customer and community-focused organization.</p>	2,944 System Wide

*\*Amounts in thousands of dollars*

#### 2017 - 2022 Proposed Capital Improvement Program

## Appendix A

8202

Massachusetts Street  
Substation - Networks

4,124 1555 Utah AV S

Rationale: The rationale for this project is to increase the capacity and reliability of present Massachusetts Street Substation network feeder cables to their ultimate service build out limit (an overall increase of 69 MVA), as determined by Massachusetts Street Substation's transformer capacity, with allowance for feeder imbalances, feeder diversity and diversity among sub-networks. The Alaska Way Viaduct project will require the relocation of all 13kV distribution feeders that are suspended from the viaduct. These include feeders serving Pioneer Square and the downtown core. Additional duct banks and electrical vaults must be built throughout the Pioneer Square area to accommodate the feeder relocations. Doing the engineering for this relocation during 2007 will ensure that timely civil construction can be done in order to avoid many conflicts with other utilities and mitigate some of the traffic impacts that will occur during the Viaduct and Seawall construction. Alternative(s): Alternatives include: 1. Do nothing. Make no improvements to system reliability or additions to feeder capacity. This would allow customer load to continue growing without commensurate additions to capacity of feeders serving this area, ultimately leading to multiple cable failures and extended customer outages. This would reduce the customer reliability of the network systems from its present level, subjecting it to infrequent but lengthier outages. 2. Reduce customer demand for more load with demand side management measures. This alternative was evaluated in the Network Strategic Systems Plan and found to have negligible ability to reduce customer demand in the network area. 3. Increase capacity of network feeders to the full limit of the substations capability to deliver power. 4. Add measures that improve system reliability to mitigate the severity of any network event. 5. Add measures that improve customer reliability by preventing the chain of events leading to major customer impacts.

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8366	Medium Overhead and Underground Services	<p>Rationale: There is a continuous demand for additional electric power services as new construction and renovation work occurs. Seattle City Light provides service to new customers in a safe, reliable, timely, and cost effective manner as a means to fulfill its commitment to be a customer and community focused organization.</p> <p>Alternative(s): Each service connection may have unique aspects that would require or facilitate design, construction, and financing alternatives. Seattle City Light will fully consider alternatives as a means to fulfill its commitment to be a customer and community-focused organization.</p>	13,845 System Wide

*\*Amounts in thousands of dollars*

**2017 - 2022 Proposed Capital Improvement Program**

## Appendix A

Proj. ID	Project Title	Capacity	2017* Location
8054	Meter Additions	<p>Rationale: Background: Of the 400,000 meters in City Light's metering system, approximately 80,000 are older than 30 years. City Light's Rates Unit estimates that replacing the meters would result in an increase in revenues of more than \$450,000 annually. City Light has a fiduciary responsibility to continually update the metering system. Due to continuous budget constraints, both in labor and material, targets of 10,000 obsolete meter exchanges were reduced in 2000, 2006 and 2008 to our current level of 5300, thus the backlog of older meters continues to increase. Methodology: New Service Installations: Over the past 9 years, new or upgraded services have averaged 5,500 a year. Material budgeting was based on a 2006 to 2008 average and current labor figures. These project funds support the demands of new construction and upgraded services. Obsolete Meter Exchange: The life cycle of a meter is 30 years based on the electro-mechanical meter. However, current and future electronic technology may reduce this life-span up to 50%. Older meters slow with age, resulting in a loss of revenue to the Department. Obsolete meters can account for up to 3 percent loss in department revenue. The Technical Metering Unit expects to exchange 10,000 obsolete meters annually starting in 2013 through 2016. Alternative(s): 1. Continue to replace obsolete meters at current level of 5,300 annually. City Light could not accurately bill for electrical consumption. Incur loss of City Light revenue due to slow meters. Results in increasing backlog of meters over 30 years old. Increased future utility costs due to replacing obsolete meters at an accelerated pace with higher labor and material costs. 2. Continue to replace obsolete meters at higher level of 10,000 annually. Increase number of customers who receive accurate and timely bills. Reduce loss of utility revenues due to slow meters. Avoid higher cost of meter replacement when meters fail.</p>	2,282 System Wide

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8429	Mobile Workforce Implementation	Rationale: No Rationale Provided. Alternative(s): No Alternatives Provided.	205 Citywide
8383	Neighborhood Voluntary Undergrounding Program	Rationale: Many residential customers have a strong interest in converting overhead power lines to underground lines. Legislation limits City Light from subsidizing this activity from the general rate base. Since the City enacted Council Ordinance 112738 in 1986, customers wishing to convert an existing service from an overhead to an underground connection have utilized the utility's Voluntary Underground Program (VUP). It requires that the customers pay all costs associated with any residential undergrounding. This is still currently a part of the Seattle Municipal Code (SMC) in Section 21.49.110.T. The Seattle City Light VUP coordinator works with any customer or customer group expressing an interest in undergrounding to form a VUP project. The purpose of the Voluntary Underground Program (VUP) is to satisfy residential customers who are interested in converting their overhead distribution system to an underground system. This project allocates customer support, design, and construction services so that the customers feel well treated whether or not they ultimately decide to go ahead with the conversion. Alternative(s): No Alternatives Provided.	8 System Wide

\*Amounts in thousands of dollars

#### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8405	Network Additions and Services - Denny	Rationale: This is a mandated project that provides electrical service connections and related improvements in response to requests for service from customers. The project provides targeted civil and electrical design assistance to customers to connect existing and proposed buildings to the North Downtown network system. The conversion effort is quite large since we are installing a new network in this area. It is imperative to participate in early design discussions with customers building in the area. For existing buildings, the conversions to network service are complicated and require expert assistance. This project provides service connections to biotech industry, condominiums, office buildings, medical facilities, hotels, and commercial and apartment buildings. Alternative(s): 1. Do nothing. 2. Hook up customers as they request. Option 2 is recommended as it is most compatible with our mission of customer service.	2,311 Valley Street/Denny Ave
8363	Network Additions and Services: Broad Street Substation	Rationale: The Broad Street Substation Network Additions and Services project connects approximately five small, four medium, and five large properties costing \$4.6 million and performs capacity additions work associated with service connections. These connections include condominiums, office buildings, medical facilities, hotels, and commercial and apartment buildings. Alternative (s): No Alternatives Provided.	6,504 319 6th AV N

\*Amounts in thousands of dollars

#### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8364	Network Additions and Svcs: First Hill, Mass, Union & Univer	Rationale: This Network Additions and Services project for the customers in the First Hill, Massachusetts, Union, and University District network areas provides service connections to approximately nine small, five medium, and four large properties costing \$3.5 million. These connections include condominiums, office buildings, medical facilities, hotels, and commercial and apartment buildings. Alternative(s): No Alternatives Provided.	4,037 1555 Utah AV S
8129	Network Hazeltine Upgrade	Rationale: Using the Network Hazeltine system provides reliable power by remotely monitoring the electrical vaults and electrical equipment within the entire downtown service area. The Power Dispatchers constantly monitor the real time status of the network using the Hazeltine system. This program costs \$304K per year and avoids problems that can easily exceed twice that amount for Seattle City Light and its customers. The utility's cost for one such problem can range from \$200K up to as much as \$3M. Aggregated customer costs can range from \$100K up to \$5M. The benefit cost ratio for any one problem can range from 0.99 ( $[\$200k + \$100k] / \$304k$ ) to be as high as 26.3 ( $[\$3M + \$5M] / \$304k$ ). We usually avoid 4 to 5 smaller problems each year and a larger problem, with combined costs of \$1.53M, every 5 years. The yearly benefit cost is then $[4 * 0.99 + 1.53M / (304k * 5)] = 5.0$ . Alternative(s): 1. Do nothing. Do not change existing Hazeltine system. Hazeltine has changed the production of their transmitters, forcing utilities to pay a premium for the transformers that is a fraction of the cost of upgrading to their Next Generation equipment. 2. Upgrade to Hazeltine's Next Generation system, changing station receivers and transmitters on each transformer. Total cost is about \$2.2 million. 3. Develop	545 System Wide

\*Amounts in thousands of dollars

### 2017 - 2022 Proposed Capital Improvement Program

Appendix A

SCL proprietary network EMS system, capable of monitoring plus a new function of control of NP's, BTS's, and primary switches if they are added. Total cost ranges from \$7 million to \$17 million, depending on communications option selected. This excludes developmental costs. 4. Buy any upgrades from vendors only. Wait for Hazeltine or other vendors, to develop network EMS systems with the desired control and monitoring features. No products or competitors to Hazeltine are available at this time for cost estimates. 5. Add sensors to existing or future Hazeltine system to enhance the monitoring of the network environment. This would enable system operators to detect and respond to abnormal field condition and thereby improve customer reliability. 6. Continue existing program of upgrading the sensors to match the current SCL standard. In 2007 and 2008, review the Hazeltine program and determine if more significant upgrades are feasible. Presently, this is the recommended action and funding level for 2007 and 2008. The 2009 and beyond dollars are expected expenditures for the significant Hazeltine upgrades, if approved.

9103 Office Furniture and Equipment Purchase

Rationale: Workplace and process improvements completed under program 9159, plus ongoing organizational change, require the purchase of office furniture and equipment in order to achieve the project objectives. Each year Utility Support Services completes approximately 450 service requests requiring furniture reconfiguration, at least a third of which involve ergonomic corrections.  
Alternative(s): 1. Fund program 9103. 2. Don't fund program 9103 and purchase all office furnishings and equipment from the O&M budget. 3. Maintain office furniture until it can no longer be sustained in acceptable condition and then replace in total with a future ad hoc program.

683 System Wide

*\*Amounts in thousands of dollars*

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8369	Overhead and Underground Relocations	<p>Rationale: This project provides the means to move City Light system infrastructure, located in the public right-of-way for transportation projects, including street widening and street vacation projects. This means moving distribution lines to make way for construction of buildings, bridges, airport runways, tunnels, and for other utilities. This project moves electrical lines to accommodate or take advantage of transportation-related projects being constructed by other agencies. The project builds new and replaces old line segments, installs and replaces poles, and adds or renovates underground facilities to the distribution system, as necessary, to relocate distribution systems for transportation projects, street vacations, or other projects proposed by outside (non-City Light) agencies. Some projects are paid for by City Light and some are paid for by the requesting agencies. This project provides the means to move the system for transportation projects in the public right of way, including street widening and street vacation projects.</p> <p>Alternative(s): The do nothing alternative leaves the distribution of facilities in their current location, which would interfere with the projects of the other agencies.</p>	2,227 System Wide
8355	Overhead Customer Driven Capacity Additions	<p>Rationale: This project adds capacity to the distribution system to accommodate increased load from new services.</p> <p>Alternative(s): The do nothing alternative leaves the existing system in place. New loads added to the system will adversely impact system reliability and voltage stability. It may be necessary, if the load increase is significant, to deny new service connections if the feeder capacity is inadequate.</p>	3,799 System Wide

\*Amounts in thousands of dollars

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8356	Overhead System Capacity Additions	Rationale: This project adds capacity to the distribution system to maintain the reliability level for the existing customers on the system and accommodate the increased load from new services. Alternative(s): The do nothing alternative leaves the existing system in place. New loads added to the system will adversely impact system reliability and voltage stability. It may be necessary, if the load increase is significant, to deny new service connections if the feeder capacity is inadequate.	2,735 System Wide
9970	PeopleSoft Reimplementation - City Light	Rationale: The City manages the PeopleSoft financial system and City Light needs to be involved in the configuration and implementation in order to ensure the new implementation meets City Light's business needs. The City and its departments have used PeopleSoft as its financial system since 1998, with the last software upgrade done in 2006. Vendor support for the City's current version of PeopleSoft expired on December 31, 2011. Upgrading to the most current version offered by the vendor ensures vendor support through 2021. Alternative(s): No Alternatives Provided.	7,945 System Wide
8452	Pole Attachment Requests Preparation Work	Rationale: City Light is legally and contractually obligated to make space available on its facilities to government and private entities for communication and other purposes. Customers wishing to utilize space on City Light facilities are required to pay in advance for any necessary work required to provide the necessary space and minimum clearances to the electrical equipment. This ensures that the attachments meet all applicable federal, state and local safety codes. Customers are not allowed to make any attachments until all make ready work, including tree trimming, has been completed and the system made safe for the communication worker. Speed to market in the communications	3,525 System Wide

\*Amounts in thousands of dollars

### 2017 - 2022 Proposed Capital Improvement Program

industry is critical for them to maintain their competitive advantage. Customers pay in advance for City Light crews to complete this work on overtime, without interrupting the normal assignments of the crews. All construction charges are deposited into the Light Fund. New wireless facilities and pole attachments generate an additional \$100,000 in rental revenue annually. Currently \$3.3 million in annual rental revenue is being generated and will continue to increase as construction and make ready work is completed. All rental revenue is deposited into the Light Fund. The communications industry and associated technology are growing at an astounding rate. City Light has experienced a 375 percent increase in pole attachment applications since 2007. All trends indicate that this growth will increase by an average of 24 percent annually. This does not take into account major initiatives such as fiber to the home, Advanced Metering Infrastructure (AMI), or vast expansion of existing networks and Distributed Antenna Systems (DAS). Completing the construction for make ready work and wireless facilities will enable City Light to fulfill its legal and contractual obligations to our customers. Customers will be provided a small measure of rate relief through increased revenue streams from these additi

Alternative(s): It is possible that some or all of this construction work could be outsourced to electrical utility construction companies. This alternative presents obstacles like logistics, compatible parts, quality control, and required electrical reviewers. These challenges negate any cost savings and sometimes take longer to construct.

*\*Amounts in thousands of dollars*

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
6385	Power Production - Network Controls	<p>Rationale: A 2003 Report from Westin Engineering identified limits to our automation, remote control and supervisory control capabilities at Skagit. Among other things, the report found that there are protocol issues within and between the facilities and between the facilities and the System Control Center. Improvements are necessary before supervisory control, such as remote start stop and remote loading can be achieved. The consequence of not coordinating all the individual controls and monitoring projects is that we will not resolve our protocol issues, and that we will continue to limit our ability to remotely control and operate the plants. This leads to reduced efficiencies and higher production costs. Project Weighted Rating-26.8, Primary Rationale-Reliability Alternative(s): Do nothing. This is not advisable as it can lead to higher maintenance costs and to unscheduled outages due to unforeseen catastrophic bearing failures. Do partial replacements. This has been the approach. However, there are incompatible pieces that cannot be replaced or replicated as some components are no longer in production. This results in greater potential of system failures due to outdated electronic components being run past their life or not updatable.</p>	812 500 Newhalem Creek Rd, Marblemount, WA 98267

*\*Amounts in thousands of dollars*

#### 2017 - 2022 Proposed Capital Improvement Program

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
9202	Security Improvements	<p>Rationale: If Seattle City Light's Security Improvements Program is underfunded, its critical facilities face increased risk to sabotage, vandalism, theft, and terrorism that can result in the loss of valuable infrastructure for generation and distribution of power, as well as noncompliance with North American Reliability Council (NERC) 1200 Standards, adopted May 2, 2006, to improve security at critical facilities that house command and control systems. Curtailment of Seattle City Light's electric operations would impact reliability of the power system in the Pacific Northwest, create lost revenues, and jeopardize public safety and emergency response due to loss of lifeline services such as medical services, water and wastewater systems, communications, law enforcement, banking, transportation system, etc.</p> <p>Alternative(s): Option 1, Status Quo: No centralized security system. Operate local security systems in place and use local law enforcement and private security companies to address security on a limited basis. Use private security services and/or request additional assistance from local law enforcement during times when the Federal government has raised the alert level for the nation or region, or for a situation that has occurred requiring additional security services. Option 2, Centralized Security System: Seattle City Light installs security enhancements to delay, detect, and respond to security intrusions at its critical facilities that are connected to a central security monitoring center that will be staffed by trained security guards on a 24/7 basis to monitor and respond to security incidents. Department wide response procedures will be established and coordination with local law enforcement will be established for responding to security incidents.</p>	3,275 System Wide

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
9232	Service Center Development Project	<p>Rationale: The existing South Service Center (SSC) is located in a seismic liquefaction zone. If a major seismic event occurred, access to and use of the site could be significantly compromised, potentially affecting City Light's ability to keep operations going. The North Service Center (NSC) is highly congested and inefficiently designed. The desired outcome is to implement the findings of the Service Center Master Planning process in a manner that addresses the existing challenges and ensures efficient customer service, operational excellence, employee performance and financial strength for the next 30 years.</p> <p>Alternative(s): Options under consideration include the addition of a third service center, a large single facility for all service center functions, alterations and additions to the North Service Center, and essential seismic upgrades to the existing structures at the South Service Center to address long term reliability. A future update of the Strategic Plan will include a more substantive discussion of City Light's service center options and costs.</p>	0
8367	Small Overhead and Underground Services	<p>Rationale: There is a continuous demand for additional electric power services as new construction and renovation work occurs. Seattle City Light provides service to new customers in a safe, reliable, timely, and cost effective manner as a means to fulfill its commitment to be a customer and community focused organization.</p> <p>Alternative(s): Each service connection may have unique aspects that would require or facilitate design, construction, and financing alternatives. Seattle City Light will fully consider alternatives as a means to fulfill its commitment to be a customer and community-focused organization.</p>	6,205 System Wide

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
6600	SMT AutoLab	Rationale: This project supports continued new cyber security and automation projects. The existing equipment lab is too small and the HVAC system doesn't adequately cool existing equipment. Alternative(s): The project will also look at enlarging the existing lab on SMT 35, as well as looking at alternate spaces to create a new lab. Existing IT labs will be considered.	273
8475	Sound Transit - City Light System Upgrades	Rationale: Pursuant to its role as a utility in the State of Washington, City Light must supply Sound Transit with electric power. The system capacity work to be done under this project needs to be coordinated with City Light's other capacity planning work, so a comprehensive project will provide a better tool to manage work than would several piece-meal projects focussed on separate distribution feeder upgrades. As of the 1st quarter of 2016, some system planning work is being done on the separate Sound Transit Link projects. These separate but related efforts will probably be brought into this new project. Alternative(s): No Alternatives Provided.	98

*\*Amounts in thousands of dollars*

#### 2017 - 2022 Proposed Capital Improvement Program

Appendix A

Proj. ID	Project Title	Capacity	2017* Location
8450	Sound Transit Light Rail East Link - City Light	<p>Rationale: Sound Transit is in the preliminary stages of planning a light rail line running from Seattle's International District Station to the Bellevue Redmond area. As of 2Q2010, final decisions on the alignment to be chosen have not been made by Sound Transit and SCL has not begun engineering. Per Sound Transit's official communications, the current plan states that Sound Transit's board will select the final alignment for East LINK in 2011 after the EIS is completed. As of 2Q2010, SCL has pointed out that the main area of potential concern with its facilities is the possible crossing under SCL's eastside transmission lines in SE Bellevue, depending on the location chosen for the East LINK alignment there. Until a final alignment is chosen, SCL anticipates that we will be acting in an advisory role. So far, discussions regarding the Seattle section of the East LINK alignment have proposed locating a station somewhere in the vicinity of the 23rd Ave E &amp; Rainier Avenue S neighborhood. Also, current plans are that the line would not be underground between the International District Station and the I-90 Bridge, although all plans are subject to change ahead of the board's vote next year. Sound Transit estimates construction could then start in late 2013 or early 2014. SCL will develop engineering estimates and a complete budget, working with Sound Transit's project team, as more details of the project move forward. Depending on the final alignment, SCL will revise our FY2011 budget as needed to fit Sound Transit's time lines. As Sound Transit readies for the board's vote on the alignment, we will work with Sound Transit on an MOA regarding SCL cost reimbursement. It is anticipated that the project will be 100% reimbursable to SCL in keeping with past work with Sound Transit. Alternative(s): SCL must, if possible, facilitate the construction of this customer's project.</p>	851 I-90/International District Station/I-90 Bridge

*\*Amounts in thousands of dollars*

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
8427	Sound Transit Northlink - City Light	<p>Rationale: Since Sound Transit's funding for North Link is a different package than that for the Initial Link, as are their contractual agreements, SCL as a key project participant needs to mirror Sound Transit's project management structure to best manage this project, hence the work has been managed under this PE#8427, even when the MOA's governing the project have not kept up with Sound Transit's requirements from us. The project will manage the relocations work &amp; feeder construction needed for Sound Transit to build the North Link line. SCL's current assumption is, per the draft MOA, that the service connections at the sites would be arranged and paid for by Sound Transit's contractor, under a service CIP #, business as usual. The utility relocations and power service provided to Sound Transit will enable the agency to stay on its path according to schedule once the North Link light rail project begins.</p> <p>Alternative(s): For the coming year, given the level of effort so far identified, the do nothing option is not a possibility, as Sound Transit can not meet their proposed schedules without SCL's significant assistance. Sound Transit may wish to modify their schedule somewhat if SCL's engineering and planning for the project offer some possibility of cost savings. We do not know enough about the construction scope to determine this as of 1Q2012.</p>	957 University District / Roosevelt / Northgate
7751	Substation Capacity Additions	<p>Rationale: We plan to design the feeder get-aways to carry power from substations as needed.</p> <p>Alternative(s): The alternatives to making capacity additions to existing substations are: 1. Accepting limitations on service to customers. 2. Successfully promoting voluntary power demand reductions. 3. Meeting capacity demand increases by new substations and transmission lines.</p>	1,864 System Wide

*\*Amounts in thousands of dollars*

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
9161	Substation Comprehensive Improvements	Rationale: 1. Reduce the risk to communications equipment and power network controls in order to sustain City Light's historically high system reliability. 2. Reduce workplace complaints among substation staff so that City Light maintains its harmonious relationship with electrical workers. Alternative(s): 1. Fund Program 9161. 2. Eliminate Program 9161 and make limited scope improvements in reaction to critical situations. 3. Eliminate Program 9161 and fund substation improvements out of other programs. 4. Make no improvements and finance increasing risk through insurance. 5. Eliminate Program 9161 and complete substation improvements as an O&M expense.	273 System Wide
7755	Substations Demand Driven Improvements	Rationale: Requests from other agencies typically occur without enough notice to be included in the biennial budgeting process. The Power Stations Division budgets a nominal sum for each year to cover requests and to request spending authority. Alternative(s): The alternative to implementing regional demands is failing to meet City commitments to regional agreements.	6 System Wide

\*Amounts in thousands of dollars

#### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
9230	Technical Training Center Development	Rationale: Seattle City Light currently does not have a training center and we currently deliver our training in multiple disparate, borrowed and shared spaces. A technical training center will enable us to ensure that our workers receive essential training to continue to be a high performance workforce and deliver the high quality of service that our customers expect. Alternative(s): Our alternatives include either the status quo option of delivering training at disparate and borrowed locations or purchasing land on which to build a dedicated training center. The preferred option utilizes a vacant property that is owned by City Light on which to build the training center, which is the best option for the utility.	725 System Wide
9965	Tool Room Automation	Rationale: Seattle City Light's tool room budget is \$1.3M for O&M and \$1M for capital per year. This includes new tool purchases, and maintenance, testing reconditioning, and calibration of existing tools; and replacement of existing tools. Alternative(s): No Alternatives Provided.	232
8360	Underground Customer Driven Capacity Additions	Rationale: This project adds capacity to the distribution system to accommodate increased load from new services. Alternative(s): The do nothing alternative leaves the existing system in place. New loads added to the system will adversely impact system reliability and voltage stability. It may be necessary, if the load increase is significant, to deny new service connections if the feeder capacity is inadequate.	2,200 System Wide
8201	Union Street Substation Networks	Rationale: The Union Street Substation Networks project provides sufficient and reliable electrical capacity for the growing power needs of our customers. It is a programmatic approach for comprehensive management of underground network assets (electrical and in some cases civil) serving customers in the area bounded by	2,540 1312 Western AV

\*Amounts in thousands of dollars

### 2017 - 2022 Proposed Capital Improvement Program

Yesler Street, Alaska Way, Pike Street, 6th Avenue, Union Street, the Freeway, University Street, 3rd Avenue and the Waterfront area from Denny to Yesler. The project goal is to increase the capacity of present Union Street Substation network feeder cables to their ultimate service build out limit (an overall increase of 128 MVA) as determined by Union Substations transformer capacity, with allowances for feeder imbalances, feeder diversity and diversity among sub-networks. We will re-conductor and re-route four targeted service feeders by the end of 2008 and perform associated work such as feeder balancing. This includes the work in support of finishing the main stem build out and to address capacity issues in the branch portion of the feeder service cables as needed in response to specific service requests, as well as analyses of branch cable congested areas. Work in 2007 and 2008 as well as successive years is necessary to be able to pick up loads that will likely be transferred from Broad Street sub-networks in 5 years. To meet the projected new loads on the Waterfront and at specific downtown core sites we need to complete re-conductoring and re-routing of four targeted service feeders by the end of 2008 and perform associated work such as feeder balancing that will be transferred from Broad Street, and may be transferred from Massachusetts Street; build and energize a new network substation at least six years before all Downtown network capacity is used so that service cutovers can be done with minimal impact to our customers. This work is essential to meet near term load requirements of the SAM/WaMu and Four Seasons projects. This critical project Alternative(s): Alternatives include: 1. Do nothing. Make no improvements to system reliability or additions to feeder capacity. This would allow customer load to continue growing without commensurate additions to capacity of feeders serving this area, ultimately leading to multiple cable failures and extended customer outages. This would reduce the reliability

*\*Amounts in thousands of dollars*

of the network system from its present level, subjecting it to more lengthy outages. 2. Reduce customer demand for more load with demand side management measures. This alternative was evaluated in the Network Strategic Systems Plan and found to have negligible ability to reduce customer demand in the network area. 3. Increase capacity of network feeders incrementally, as little as possible and as close to near-term load requirements as possible. This is no longer feasible as the next increment of feeder capacity additions reach their final capacity targets. 4. Increase capacity of network feeders to the full limit of the substations capability to deliver power. 5. Add measures that improve system reliability to mitigate the severity of any network event. 6. Add measures that improve customer reliability by preventing the chain of events leading to major customer impacts.

## Seattle Public Utilities

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
C4102-DWF	Alaskan Way Viaduct & Seawall Replacement Program - DWF	This project will relocate, replace and protect drainage and wastewater facilities affected by the replacement of the Alaskan Way Viaduct and Seawall with a new seawall and transportation facility.	7,321 SR 99 / Battery St
C4102-WF	Alaskan Way Viaduct & Seawall Replacement Program - WF	This project will relocate, replace and protect water facilities affected by the replacement of the Alaskan Way Viaduct and Seawall with a new seawall and transportation facility.	3,891 SR 99 / Battery St
C1606	Ballard Locks Improvements	This project will fund the planning, design, and construction of freshwater conservation and smolt passage facilities at the Ballard Locks.	140 NW 54th St 30th Ave NW
C3313	Best Management Practice Program	This program will provide water quality improvement projects in the Norfolk, South Park, and Densmore drainage basins.	0 Citywide
C4119-DWF	Bridging the Gap - DWF	This program will fund projects for drainage and wastewater utility improvements and relocations associated with SDOT's "Bridging the Gap" program.	1,551 Various

\*Amounts in thousands of dollars

### 2017 - 2022 Proposed Capital Improvement Program

### New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
C4119-WF	Bridging the Gap - WF	This program will fund projects for water utility improvements and relocations associated with SDOT's "Bridging the Gap" program.	11,791 Various
C1307	Cedar Bridges	This project will replace deteriorated bridges in the Cedar River Watershed.	1 Cedar River Watershed
C1605	Cedar Sockeye Hatchery	This project will construct an incubation facility capable of producing 34 million "swim-up" Sockeye fry.	0 Cedar River Watershed
C3803	Densmore Basin Drainage Improvements	This project will install storm drain improvements that meet the drainage capacity standard of a 25-year storm.	0 Densmore Basin
C1128	Distribution System Improvements	This project will improve the distribution system to meet customer service levels.	2,010 Citywide
C3610	Green Stormwater Infrastructure Program	This project increases capacity to convey combined sewer flows by slowing stormwater flows and reducing volumes entering the combined system, this is achieved by slowing, infiltrating or reusing stormwater.	2,600 Citywide
C3802	Localized Flood Control Program	This program will provide flood control and local drainage and wastewater projects in under-served parts of Seattle to improve system capacity or increase the existing level of service.	1,996 Various
C3604	Long Term Control Plan	This project will determine size and location of all future CSO control facilities within the City.	500 Various
C3805	Madison Valley Long Term Solution	The project will provide an estimated additional stormwater storage capacity of 2.8 million gallons.	0 Various
C4133-DWF	Mercer Corridor Project West Phase - DWF	This project will provide drainage and wastewater utility improvements related to the SDOT Mercer Corridor Project West Phase.	0 Mercer St Mercer St/Elliott Ave W/Dexter Ave N
C4133-WF	Mercer Corridor Project West Phase - WF	This project will provide water utility improvements related to the SDOT Mercer Corridor Project West Phase.	11 Mercer ST Mercer ST/Elliott AVE W/Dexter AVE N
C4106-DWF	Operational Facility - Construction - DWF	This program will renovate, rehabilitate, and replace existing buildings and construct new facilities at various locations to address deficiencies and functional changes in SPU's Lines of Business.	9,510 Citywide

\*Amounts in thousands of dollars

### 2017 - 2022 Proposed Capital Improvement Program

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
C4106-SWF	Operational Facility - Construction - SWF	This program will renovate, rehabilitate, and replace existing buildings and construct new facilities at various locations to address deficiencies and functional changes in SPU's Lines of Business.	1,197 Citywide
C4106-WF	Operational Facility - Construction - WF	This program will renovate, rehabilitate, and replace existing buildings and construct new facilities at various locations to address deficiencies and functional changes in SPU's Lines of Business.	4,466 Citywide
C4105-DWF	Operations Control Center - DWF	This program will improve facilities at the Operations Control Center.	182 2700 Airport Way S
C4105-SWF	Operations Control Center - SWF	This program will improve facilities at the Operations Control Center.	59 2700 Airport Way S
C4105-WF	Operations Control Center - WF	This program will improve facilities at the Operations Control Center.	670 2700 Airport Way S
C3703	Pump Station and Force Main Improvements	This program will provide wastewater pump station improvements, upgrades, repairs and rehabilitation.	5,425 Various
C4107-WF	Regional Facility - WF	This program will improve facilities at SPU's regional sites.	8,509 Various
C1504	Regional Water Conservation Program	This project will extend SPU's water supply by up to 11 MGD using demand reduction from customer upgrades in water-using facilities and equipment to be more water efficient.	1,406 Citywide and Regional
C1411	Reservoir Covering - Maple Leaf	This project will underground Maple Leaf Reservoir to protect drinking water quality.	6 NE 86th St and Roosevelt Wy NE
C1410	Reservoir Covering - Myrtle	This project will underground Myrtle Reservoir to protect drinking water quality.	0 SW Myrtle St and 35th Ave SW
C1409	Reservoir Covering - West Seattle	This project will underground West Seattle Reservoir to protect drinking water quality.	0 SW Henderson St and 8th Ave SW
C3608	S Genesee Combined Sewer Overflow	This project will construct or modify facilities to manage Combined Sewer Overflow control volumes totaling approximately 3 to 5 million gallons. Estimates are from the Draft CSO 2010 Plan Update.	0 S. Genesee St.

\*Amounts in thousands of dollars

## 2017 - 2022 Proposed Capital Improvement Program

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
C3609	S Henderson Combined Sewer Overflow Storage	This project will construct or modify facilities to manage Combined Sewer Overflow control volumes totaling approximately 26 million gallons. Estimates are from the Draft CSO 2010 Plan Update.	5,340 S Henderson St.
C1505	Seattle Direct Service Additional Conservation	This project will upgrade water-using facilities to be more water efficient and accelerate conservation savings by 3 million gallons per day in conjunction with reservoir covering, other system efficiencies, and upgrades to low income customer facilities.	697 Citywide and Direct Service
C4113-DWF	Security Improvements - DWF	This program will provide increased security and protection at SPU facilities.	109 Citywide Citywide
C4113-SWF	Security Improvements - SWF	This program will provide increased security and protection at SPU facilities.	98 Citywide Citywide Citywide
C4113-WF	Security Improvements - WF	This program will provide increased security and water quality protection at SPU facilities.	934 Citywide Citywide 0/0/0 Citywide
C4135-DWF	Sound Transit - North Link - DWF	N/A	155 Various
C4135-WF	Sound Transit - North Link - WF	N/A	192 Various
C4125	Sound Transit - Water Betterment	This project will fund the relocation or replacement of water mains and other facilities related to the development of Sound Transit's Light Rail system.	0 Central & South areas of Seattle
C4122-DWF	Sound Transit-East Link	This program will fund projects for utility improvements and relocations associated with the development of Sound Transit's Light Rail system.	105 Various
C4122-WF	Sound Transit-East Link	This program will fund projects for utility improvements and relocations associated with the development of Sound Transit's Light Rail system.	155 Various
C3806	South Park Pump Station	New Pump Station with capacity of 44 cubic feet per sec, an associated stormwater filtration facility will treat flows up to 11 CFS, with the balance of higher flows bypassing filtration and pumped directly to the river.	5,267 698 S Riverside DR/Holden/Austin

\*Amounts in thousands of dollars

## 2017 - 2022 Proposed Capital Improvement Program

## Seattle Public Utilities

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
C2302	South Transfer Station Rebuild	This project will replace the existing facility to increase the capacity to recycle more solid waste and improve the transfer capability of non-recyclable materials.	5,125 8100 2nd AVE S
C3811	Thornton Confluence Improvement	This project will increase floodplain capacity at the Thornton Creek confluence.	0 Thornton Creek
C1112	Water Infrastructure - New Hydrants	This project will improve fire protection by increasing the number of fire hydrants in the city.	13 Citywide
C1113	Water Infrastructure - New Taps	This project will install approx. 800 new taps per year to domestic, commercial, and fire protection systems.	8,843 Citywide
C1111	Water Infrastructure - Watermain Extensions	This project will install approximately 8,000 feet of new watermains per year.	845 Citywide
C3605	Windermere Combined Sewer Overflow Storage	This project will construct approximately 2,000,000 gallons of Combined Sewer Overflow storage capacity.	86 NE 65th St. and Sand Point Way NE

## Seattle Center

## New or Expanded Capital Facilities

Proj. ID	Project Title	Capacity	2017* Location
S0501	Lot 2 Development	This project adds a 10,500 square foot skatepark.	0 5th Ave N/Republican St

\*Amounts in thousands of dollars

## 2017 - 2022 Proposed Capital Improvement Program

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
<b>Seattle Center</b>				
S0702	Monorail Improvements Debt Service	This project provides for the payment of debt service on 10-year LTGO bonds issued in 2007 to fund rehabilitation work on the Seattle Center monorail. LTGO bonds are one fund source for the work described in the Department's Monorail Improvements project (S9403).	\$549	Seattle Center
S9901	KeyArena Improvements & Repairs	This ongoing project provides for major maintenance and improvements to KeyArena. Improvements may include, but are not limited to, lighting upgrades, mechanical and electrical upgrades, renovation or replacement of the basketball floor and other event systems, concessions area improvements, creation of special seating sections and partial house configurations, technology upgrades, seating improvements, and funding of concept plans for future facility upgrades. These improvements both maintain basic building operations and facility integrity and enhance KeyArena's position in the highly competitive sports and entertainment marketplace.	\$2,141	Seattle Center
<b>Department of Parks and Recreation</b>				
K730122	Seattle Asian Art Museum Renovation	This project provides 2008 Parks Levy funds to support the renovation of the city-owned Seattle Asian Art Museum in Volunteer Park in partnership with the Seattle Art Museum. Levy funds, which are anticipated to cover approximately 40 percent of the total renovation costs, will not be released until future Council action by ordinance.	\$14,000	Volunteer Park

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
K730301	Community Center Rehabilitation & Development	This ongoing project provides funding for improvements at 26 community centers, the oldest of which is 103 years old. Typical improvements include renovation, upgrades, or replacement of major building systems, roof and building envelopes, seismic upgrades, painting, energy efficient lighting and other environmentally sustainable building components, Americans with Disabilities (ADA) access improvements, and related work. In some instances, facilities will be replaced or remodeled to improve programming space. The individual projects will address health and safety codes, extend the life of the asset, improve access for all, reduce energy costs, improve the overall community center experience for the public, and meet today's and future recreation needs. This project is part of the Metropolitan Parks District measure put before voters in 2014.	\$3,072	Citywide
K730306	Park Land Acquisition and Leverage Fund	This ongoing project provides funds for land acquisition, leveraging capital projects, pre-acquisition activities (including planning, title searches, appraisals, negotiations, and community involvement), associated with acquisitions of specified real property, and related work. The project also serves as a match to leverage other funding sources such as King County Conservation Futures. The City is growing and there is a need to add parkland to meet park and open space goals and improve the quality of life for Seattle residents. This project is part of the Metropolitan Parks District measure put before voters in 2014.	\$3,550	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
K730308	Develop 14 New Parks at Land-Banked Sites	This ongoing project develops 14 new parks on land-banked sites that were acquired under prior levies. Depending on the size, location, and type of park, new elements could include trees and landscaping, paths, plazas, a play area, site furniture, lighting, and related improvements. Each newly developed park will improve the neighborhood and contribute to improved health for park users, and will have environmental benefits. This project is part of the Metropolitan Parks District measure put before voters in 2014.	\$5,299	Citywide
K732336	Utility Conservation Program	This ongoing project implements energy conservation projects in collaboration with Seattle City Light, Seattle Public Utilities, and Puget Sound Energy. Projects may include lighting, heating, and water use renovations at various facilities throughout the Parks system. These projects result in energy savings and better air and water quality, and support the Climate Protection Initiative by reducing greenhouse gas emissions. The cost of these projects is expected to be recovered within approximately five years through reduced utility costs and rebates from the three utilities. Rebates and other additional resources will be pursued to fund future conservation projects.	\$355	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
K732422	Parks Upgrade Program	This ongoing program provides minor capital improvements to low-income area parks throughout the City. Conservation Corps Program staff perform this work, providing training opportunities for low-income, homeless, and other at-risk community members. Program elements include provision of ADA improvements to parks and park restrooms, accessible drinking fountain installation, basketball court construction, bench and picnic table installation, tree purchase and planting, and other small-scale capital projects. Funding is also targeted to projects that can be integrated with other community-identified amenities. This project was formerly project number K73861. A new project number has been created for this project to comply with new accounting procedures, therefore life to date amounts do not appear in the table below. For 2013-2014, this program is funded with federal Community Development Block Grant funds.	\$808	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
K732434	ADA Compliance - Parks	This project provides for ADA improvements at a number of parks facilities. Work will be focused on selected community centers (e.g., Bitter Lake, Delridge, Garfield, Jefferson, Meadowbrook, Miller and others) and will consist of adjustments to signage, door closures, restroom fixtures, and other features. Signage will be added where needed as well. Similar work will be undertaken at Discovery Park Environmental Learning Center and other facilities to the degree that funding allows.	\$2,141	Citywide

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#### **Department of Finance and Administration**

A1EXT02	Energy Efficiency for Municipal Buildings	This project funds energy efficiency work across City facilities, managed by the Office of Sustainability and Environment (OSE), in support the City's goal to achieve a 20% reduction in building energy use by the year 2020. OSE will implement a package of energy efficiency projects, as well as continue a suite of O&M improvements, program management, measurement and tracking, and building assessments. The energy efficiency upgrades are expected to generate utility rebates paid by Seattle City Light and Puget Sound Energy, to be deposited into the General Subfund and shown here as future General Subfund revenue. Work may include but is not limited to, building tune-ups, facility improvements, building energy upgrades, and energy efficiency measures.	\$2,500	Citywide
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#### **2017-2022 Proposed Capital Improvement Program**

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
A1IT06	Summit Re-Implementation - Department Capital Needs	This Citywide project is a funding mechanism to reimburse operating departments for non-technical capital expenditures they incur during the Summit Re-Implementation project. Non-technical capital department-specific costs include project management work within the department to implement the new Summit system, among other capital expenditures. Appropriations for each department are included in their operating budget.	\$2,329	Downtown
A1PS205	Fire Station 5	This project, located on the downtown Seattle waterfront, provides a seismic and safety upgrade for Fire Station 5 and makes functional improvements to the facility and building systems. The project renovates the fire station to protect fire fighters in the event of an earthquake and allows them to provide high-quality marine and land-based emergency service. The project is timed to coincide with the Seawall replacement project as this facility is physically attached to the Seawall structure.	\$5,566	Downtown

#### **Seattle City Light**

6562	Ross - Governors	This project replaces Governors and Exciters on all four of the Ross Powerhouse generating units.	\$3,579	Outside City Limits
7125	Denny Substation Transmission Lines	This project designs and constructs transmission lines to support the new Denny Substation. These transmission lines are created by dividing the existing Pine to Broad Street transmission line into two transmission lines. The remaining new lines will come from the Canal and Massachusetts substations. This project also provides for undergrounding the transmission lines.	\$8,096	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
9235	Denny Substation Tenant Improvements	This ongoing project provides program, design, and construction of interior improvements within two building shell spaces within the Denny Substation. The two spaces are a southwest shell space which may house a community center or similar public amenity and a southeast shell space which may house a learning resource center or similar public amenity.	\$1,995	Citywide

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#### **Seattle Department of Transportation**

TC365850	Freight Spot Improvement Program	This project includes small scale mobility improvements to the City's street system to improve connections between port facilities, railroad intermodal yards, industrial businesses, the regional highway system, and the first and last miles in the supply chain. Project types include turning radius adjustments, channelization changes, left-turn improvements, and signage to direct freight to destinations and alert drivers to steep grades or sharp turns	\$1,500	Citywide
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## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
TC367520	Vision Zero	Vision Zero is an approach to traffic safety, with the ultimate goal of ending traffic deaths and serious injuries. At the core of Vision Zero is the belief that death and injury on city streets is preventable. Collisions are often the result of poor behaviors and unforgiving roadway designs. This project approaches the problem from the angle of creating street designs that emphasize safety, predictability, and the potential for human error, and will complete 12-15 corridor safety projects over 9 years to improve safety for all travelers on our highest-crash streets. Corridors identified as part of the Move Seattle Levy include: Rainier Ave S, 35th Ave SW, SW Roxbury St, Greenwood/Phinney, 1st Ave/1st Ave S, 12th Ave/12th Ave E, Aurora Ave N, Lake City Way, Sand Point Way, E Marginal Way, Airport Way, 35th Ave NE, 15th Ave NE, MLK Jr. Way S, and 5th Ave NE.	\$3,250	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
TC367630	Overlook Walk and East-West Connections Project	Removing the Alaskan Way Viaduct provides the opportunity for the City to improve key connections between the downtown core and the waterfront. The specific east/west streets targeted for improving connections include: Bell Street, Union Street, Pike Street, Pine Street, Main Street, Washington Street, and Railroad Way. In addition to these east/west street connections, the waterfront improvement program also includes Overlook Walk, which would provide a pedestrian oriented connection between the waterfront, the Aquarium and Pike Place Market with ADA access, views, and public open spaces. This project is part of the overall waterfront improvement program. Expenditures to the Local Improvement District Bonds revenue source that occur prior to 2019 represent anticipated future bond sales. This funding is currently supported through the Central Waterfront Improvement Fund's interfund loan, which Council approved via Ordinance 124345.	\$6,322	Downtown

#### Seattle Public Utilities

C1110	Water Infrastructure - Hydrant Replacement/Relocation	This ongoing project 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 project 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.	\$212	Citywide
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### 2017-2022 Proposed Capital Improvement Program

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
C1408	Reservoir Covering - Beacon	This project includes Seismic Retrofits at Beacon Reservoir using the Soil-Structure Interaction Seismic Analysis approach for design to determine its seismic performance during ground shaking and to assess whether or not a seismic deficiency exists.	\$8,153	Beacon Hill
C3314	Creek Culvert Replacement Program	This ongoing project provides for the repair and replacement of stream culverts that are part of SPU's critical drainage infrastructure. Culverts will be repaired or replaced based on risks and benefits of the project, including flooding, risk of failure, operations and maintenance needs and benefits and importance for addressing fish passage. Replacements and significant repairs will be addressed as part of this capital project, while retrofits will be covered within the Operations and Maintenance budget.	\$2,811	Citywide
C3708	Outfall Rehabilitation Program	This ongoing project provides rehabilitation of outfalls throughout Seattle Public Utilities service area. Typical improvements may include, but are not limited to, repair, rehabilitation or replacement of outfall structures. This project will investigate the condition of each of the outfalls and complete an options analysis, followed by design, construction, and closeout activities.	\$1,550	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
C4106-WF	Operational Facility - Construction - WF	This ongoing facilities project 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.	\$4,466	Citywide
C5407	Asset Information Management	This ongoing project provides applications, upgrades and data management tools in support of SPU's work and asset management projects. 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.	\$1,709	Citywide

## Appendix B

### Capital Projects passing the \$5 million threshold with the 2017 allocations (as Proposed in the 2017 Proposed Budget)

<b>Project ID</b>	<b>Project Title</b>	<b>Project Description</b>	<b>2017 (000's)</b>	<b>Location</b>
<b>Seattle Information Technology</b>				
D102TC032	Seattle Municipal Tower Remodel - IT	This project begins a multi-year CIP program to acquire, renovate, and expand space for the new consolidated City IT department--Seattle Information Technology. Work will begin in 2017 with the conversion of the City's old data center back into office space.	\$6,000	Downtown
D601TC004	SRI Side Systems Support	This project provides funding to redevelop and reintegrate numerous department systems with the Summit Reimplementation Project (SRI). These department systems are highly integrated with SUMMIT and are now supported by Seattle IT. Streamlining and integrating these systems will allow users to maintain functionality in the latest implementation of SUMMIT.	\$5,722	Downtown

**1% for Art:** A program administered by the Office of Arts and Cultural Affairs (OACA) that sets aside one percent of City capital improvement project funds for the commission, purchase, and installation of artworks.

**2000 Parks Levy (“Neighborhood Parks, Green Spaces, Trails, and Zoo Levy”):** A \$198.2 million, eight-year levy lid lift passed by Seattle voters in November 2000. The levy is designed to fund more than 100 park, open space, and recreation projects throughout the city.

**2008 Parks Levy (“Parks and Green Spaces Levy”):** A \$145.5 million, six-year levy lid lift passed by Seattle voters in November 2008. The levy was designed to fund park and green space acquisition, capital expansion and renovation of parks, and park facilities throughout the city.

**Americans with Disabilities Act (ADA):** A comprehensive civil rights law for people with disabilities, passed by the federal government in 1990.

**Allocation:** The expenditure amount planned for a particular project or service that requires additional legislative action, or “appropriation,” before expenditures are authorized.

**Appropriation:** A legal authorization granted by the City’s legislative authority (the City Council) to make expenditures and incur obligations for specific purposes.

**Asset Preservation (also known as Major Maintenance):** Capital improvement projects that involve major repairs or rehabilitation of existing City facilities.

**Capital Improvement Program (CIP):** Annual appropriations from specific funding sources are shown in the City’s budget for certain capital purposes, such as street improvements, building construction, and some types of facility maintenance. The CIP is a six-year allocation plan presented as a document separate from the Budget, that details all projects, fund sources, and expenditure amounts, including many multi-year projects that require funding beyond the one-year period of the annual Budget.

**Capital Projects Funds:** Funds with resources set aside to acquire or construct major capital facilities that allow the monitoring of revenues and expenditures of authorized voter approved and Councilmanic bonds and levies.

**Capital Projects Passing the \$5 million appropriation threshold with 2017 Allocations (Appendix):** Pursuant to the 1999 settlement agreement in CLEAN, et. Al v. City of Seattle, the City has adopted policies regarding public notification when capital projects cross certain spending thresholds. Resolution 31203 updated those policies to require a list of all Capital Projects for which the City has cumulatively spent more than \$5 million with the adoption of the current annual Budget be published as an appendix to the Capital Improvement Program.

**Community Development Block Grant (CDBG):** An annual grant to Seattle and other local governments from the U.S. Department of Housing and Urban Development to support economic development projects, housing and services in low-income neighborhoods.

**Comprehensive Drainage Plan:** A Citywide drainage management program for capital improvements and ongoing maintenance. It establishes a monitoring program and identifies measures to control flooding and pollution, such as regulatory controls and public education.

**Cumulative Reserve Subfund (CRS):** A significant source of ongoing local funding to support capital projects in general government departments. The CRS consists of two accounts: the Capital Projects

## Glossary

Account and the Revenue Stabilization Account. The Capital Projects Account has seven subaccounts: REET I, REET II, Unrestricted, South Lake Union Property Proceeds, Street Vacation, Asset Preservation and the Bluefield Preservation fund. The Real Estate Excise Tax (REET) is levied on all sales of real estate with the first 0.25% of the locally imposed tax going to REET I and the second 0.25% for REET II.

**Design Build Operate (DBO):** A non-conventional approach to implementation of major capital projects, wherein a single vendor is responsible for design, construction, and long-term operation of a facility.

**Debt Service:** Annual principal and interest payments that local government owes on money that it has borrowed.

**Endangered Species Act (ESA):** Legislation passed by the federal government in 1973 to conserve the ecosystems upon which endangered species depend upon, and to conserve and recover listed species.

**Fire Facilities and Emergency Response Levy:** A \$167 million, eight-year levy lid lift, approved by voters on November 4, 2003. The Levy includes funds for more than 40 projects to upgrade, renovate, or replace most of the City's fire stations, construct new support facilities for the Fire Department, construct a new Emergency Operations Center and Fire Alarm Center, procure two new fireboats and rehabilitate an existing one.

**Fund Balance:** The difference between the assets and liabilities of a particular fund. This incorporates the difference between the revenues and expenditures each year.

**General Subfund (also known as General Fund):** A central fund into which most of the City's general tax revenues and discretionary resources are pooled, allocated to support many of the operations of City government. General Subfund dollars appear in the CIP in two places: the General Subfund contribution to the Cumulative Reserve Subfund (if any), and appropriations to capital projects from a department's operating budget.

**Geographic Information System (GIS):** A tool that enables users to analyze and understand the spatial relationships among things that exist and occur in a given location. The results of geographic analysis can be communicated with maps and/or reports.

**Growth Management Act (GMA):** Passed by the legislature in 1990, the Growth Management Act encourages strategic land use planning and provides protection for environmentally sensitive areas.

**Habitat Conservation Plan (HCP):** A 50-year commitment by the City and its Seattle Public Utilities to protect and restore the Cedar River Watershed.

**Leadership in Energy and Environmental Design (LEED):** A green building rating system for new and existing commercial, institutional, and multi-family residential buildings that evaluates environmental performance from a "whole building" perspective. There are four rating levels: Bronze, Silver, Gold, and Platinum.

**Levy Lid Lift:** An increase in regular property taxes for a general or designated purpose (See 2008 Parks Levy and Bridging the Gap for examples).

**Limited Tax General Obligation ("LTGO," or "Councilmanic") Bonds:** Bonds that are issued by the City Council without voter approval. The debt service on these bonds is typically repaid from existing general government revenues or from revenues generated by the project(s) financed with the bonds.

**Major Maintenance:** See “Asset Preservation” above.

**Municipal Art Plan:** A plan prepared by the Office of Arts and Cultural Affairs that establishes budgets for new 1% for Art program projects and describes the status of existing projects.

**Neighborhood Matching Subfund (NMF):** A fund administered by the Department of Neighborhoods to provide money to Seattle neighborhood groups and organizations for neighborhood-initiated improvement, organizing, or planning projects. The community’s contribution of volunteer labor, materials, professional services or cash is “matched” by cash from the fund.

**Operating Budget:** That portion of a budget that deals with recurring expenditures such as salaries, electric bills, postage, printing, paper supplies, and gasoline.

**Public Works Trust Fund:** A low-interest state revolving loan fund designed to help local governments with the repair, replacement, and rehabilitation of public works infrastructure.

**REET I and REET II:** The Real Estate Excise Tax (REET) is levied on all sales of real estate with the first 0.25% of the locally imposed tax going to REET I and the second 0.25% for REET II.

**Seattle Park District:** In August 2014, voters passed a ballot measure creating the Seattle Park District. The goal of the park district is to provide long-term, stable funding to support recreation programming, parks projects and the critical needs for investment in major and ongoing maintenance. The Park District will provide over \$30 million annually for major maintenance and capital projects.

**Unlimited Tax General Obligation (“UTGO” or “voted”) Bonds:** Bonds issued after receiving approval by 60% of the voters in an election with at least a 40% turn-out. The debt service on these bonds is repaid from additional (“excess”) property tax revenues that voters approve as part of the bond measure.