

Seattle City Light

Overview

Seattle City Light (City Light) is a municipally owned electric utility that operates as a department of the City of Seattle. The utility serves a population of approximately 955,000 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 generation system consisting of seven hydroelectric plants on the Pend Oreille, Skagit, Cedar, and Tolt rivers with a combined capacity of approximately 2,000 megawatts.
- 667 miles of high-voltage transmission lines.
- A distribution system with 16 major substations and more than 2,500 miles of overhead and underground cable.
- A state-of-the-art System Operations Center coordinating the City’s electric system.
- Billing and metering technology tracking over 481,000 accounts.

City Light’s Capital Improvement Program (CIP) is the vehicle for repairing, upgrading, and expanding this infrastructure. With planned spending of \$2.6 billion over the 2022-2027 timeframe, the CIP funds a variety of safety improvements, mitigation activities, and licensing requirements. Funding for the CIP comes primarily from retail electricity sales, sales of surplus power on the wholesale market, and the sale of revenue bonds. Federal and state grant funding is also an expected source in this timeframe.

Thematic Priorities

The foundational goal of the CIP is to support City Light’s mission of providing customers with affordable, reliable, and environmentally responsible energy services. The CIP reflects ongoing operational priorities as well as new business strategies identified in the utility’s 2022-2026 Strategic Plan, adopted in July 2021 via Resolution 32007. The five strategic plan business strategies are:

- 1. Improve the Customer Experience**
Objective: Consistently meet customers’ needs by providing employees with the opportunities and training required to deliver targeted and responsive solutions.
- 2. Create our Energy Future**
Objectives: Build and maintain a smart, resilient, flexible, dynamic, and reliable grid infrastructure. Prepare for the increased integration of distributed energy resources and more customer options. Work to reverse historic inequities and avoid collateral harm to underserved populations by intentionally prioritizing their needs as we create our energy future.
- 3. Develop Workforce and Organizational Agility**
Objective: Foster an organization that is nimble, adaptive, and responsive and cultivate a workforce with the skills and knowledge to advance social justice.
- 4. Ensure Financial Stewardship and Affordability**
Objective: Support long-term affordability in Seattle by offering rates that are transparent, understandable, reasonable, equitable, and consistent for all customers, including vulnerable populations. This commitment includes developing a sustainable and predictable approach to setting rates over time.

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5. We Power

Objectives: Continue to advance our mission to provide our customers with affordable, reliable, and environmentally responsible energy services. Prioritize diversity, equity, and inclusion in all that we do. Actively manage and mitigate the constraints, risks, and uncertainty of operating in a COVID-adjusted environment.

Notable CIP areas that advance our strategic plan business strategies and support our core mission and values are:

Investments to Create our Energy Future

The CIP includes significant new funding for projects to support advancement toward Seattle’s objective of transitioning away from fossil fuels and achieving a zero-carbon city. Grid modernization investments will update and modernize the distribution system to improve resiliency, add flexibility, and maintain reliability. Projects supporting electrification include pursuing electrification of a local steam franchise utility, large-scale maritime electrification projects, as well as continuing to expand electric vehicle charging infrastructure. Green energy resource growth will entail projects to develop distributed generation (solar, wind, etc.), energy storage, demand-side management, and other distributed energy resource (DER) technology. Finally grant matching funds to support pursuit of federal and state stimulus dollars to accelerate various new energy technologies will comprise a new project called ‘Utility Next.’

Technology and Cyber Security

Improvements are planned for various foundational technology systems that underpin our system operations and customer interactions. Investments include an expanded customer self-service portal, upgraded advanced meter infrastructure, and improved and connected customer metering and billing systems to provide a better service experience for customers. Upgrades to the Geospatial Information System (GIS) and the Outage Management System (OMS) support progress to grid transformation. A major upgrade of the Work and Asset Management System (WAMS) is also planned. In tandem with our technology investments, hardening our assets against cyber threats requires advanced developments in cyber security programs, technology governance, and operations.

Hydroelectric Project Relicensing

The federal license for the Skagit River Hydroelectric Project, a series of three dams that produces approximately 20% of City Light’s owned generation capacity, expires in 2025. Renewing the license with the Federal Energy Regulatory Commission (FERC) also means reviewing the safety, cost, environmental, and cultural impacts of the continued operation of the project. Between 2020 and 2023, City Light will collaborate with local partners to develop an application for a new license that will last for the next 30-50 years. The license will include requirements around protecting the environment and the culture of the watershed. In addition, the South Fork Tolt Hydroelectric Project is also up for FERC license renewal in 2027. For the Boundary Hydroelectric Project, various protection, mitigation, and enhancement activities are needed to fulfill requirements mandated by its 2014 FERC license and settlement agreement.

Transmission & Distribution Infrastructure Maintenance

Reliable energy delivery requires systematic maintenance of transmission and distribution assets. Pole replacements are a major capital effort; we have accelerated the pace of replacements due to a critical need to replace poles that have deteriorated. Other major program investments include expansion of the network distribution system in the north downtown area to realize systemwide benefits from the

new Denny Substation, as well as replacement of failing underground cables.

Preserving Hydroelectric Generation Assets

Preservation of Seattle's legacy hydroelectric generation facilities is accomplished through prudent and systematic investments and maintenance. Planned enhancements include a wide range of dam safety investments; an improved outage management system; long-term planning for small legacy hydroelectric projects such as Cedar Falls; improvements of ancillary systems and facilities including powerhouse systems; plant automation; and cyber security investments.

Workforce, Facilities and Fleets

Part of supporting an agile workforce entails providing a work environment that is conducive to productivity, collaboration, and innovation. A major restacking project will fund renovation of office space in the Seattle Municipal Tower to improve ergonomics, modify workspaces to accommodate modern technology, and reduce the utility's footprint in downtown core. Similarly, strategic fleet investments will replace aging vehicles with electric-powered alternatives that are greener and more efficient.

Race and Social Justice

Recent events have made clear the need for all organizations to examine their role in the structures that uphold systemic racism and City Light is no exception. The utility is actively engaged in the Citywide effort to rebuild Seattle as a city that is racially just, equitable, and inclusive. In developing and executing the CIP, City Light will work to prioritize positive outcomes and reverse historic inequities for underserved communities, including Black, Indigenous, and people of color as well as immigrants, refugees, persons experiencing low incomes, English language learners, youth, and seniors. This includes prioritizing the electrification of public transit with resulting air quality and other health benefits accruing to historically underserved communities, and a focus on job creation and economic activity with an emphasis on historically excluded populations.

Project Selection Criteria

City Light's planning process is designed to ensure project funding best meets customers' current and future needs, and to position the utility to meet current and future strategic and operational challenges. Project ideas to 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, fleets and facilities, technology, and customer service) prioritize capital spending within their divisions and then submit recommended projects through a centralized capital budgeting system.

Discrete projects are prioritized using a scoring tool with six criteria: Safety, System Reliability, Improved Level of Service, Environmental Stewardship, Financial Cost-Benefit, and Community Interest. Programs with ongoing funding are prioritized using three criteria: Criticality, Need (Urgency), and Safety. The process gives priority to mandatory requirements and existing projects before considering future projects and new initiatives. City Light's staff-level Capital Planning Team and executive-level Capital Asset Review and Evaluation Committee (CARE) review the scored and prioritized list of projects to develop City Light's six-year CIP.

For any capital project with a total cost exceeding \$1.0 million, utility staff develop a business case to document the project expectations and rationale and provide a cost-benefit analysis of alternatives. Availability of funding and labor resources limits the CIP, and to balance overall needs

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within these constraints, City Light may rescope, reschedule, or defer projects in the six-year CIP.

2022-2027 Proposed CIP Highlights

The 2022-2027 Proposed CIP outlines \$2.6 billion in capital spending over six years for power supply, transmission, distribution, external projects, and central utility needs.

2022-2027 Proposed CIP Summary of Allocations by Program (in 1,000s)

| Program/SubProgram | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Central Utility Projects | 36,438 | 33,070 | 33,827 | 26,590 | 27,937 | 27,896 |
| CUSTOMER AND BILLING | 3,154 | 45 | 45 | 45 | 45 | 45 |
| FINANCE AND IT SYSTEMS | 1,393 | 1,764 | 1,849 | 1,749 | 2,793 | 1,637 |
| FLEETS AND FACILITIES | 31,891 | 31,261 | 31,933 | 24,796 | 25,099 | 26,214 |
| Distribution | 235,082 | 274,965 | 264,500 | 275,951 | 275,470 | 254,570 |
| DISTRIBUTION OTHER | 24,104 | 35,315 | 26,996 | 28,103 | 31,138 | 30,992 |
| NETWORK | 24,534 | 25,021 | 25,574 | 24,697 | 23,063 | 23,814 |
| RADIAL | 98,332 | 119,464 | 123,161 | 132,756 | 126,109 | 99,501 |
| SERVICE CONNECTIONS | 62,266 | 66,773 | 61,315 | 63,150 | 67,576 | 65,897 |
| SUBSTATIONS | 25,847 | 28,392 | 27,456 | 27,245 | 27,584 | 34,366 |
| External Projects | 41,640 | 24,233 | 18,667 | 18,114 | 22,789 | 23,558 |
| LOCAL JURISDICTIONS | 20,486 | 10,404 | 10,291 | 12,518 | 16,861 | 18,950 |
| TRANSPORTATION RELOCATIONS | 21,154 | 13,829 | 8,376 | 5,596 | 5,928 | 4,608 |
| Power Supply | 137,793 | 125,927 | 105,136 | 104,388 | 98,821 | 122,090 |
| BOUNDARY | 38,706 | 53,334 | 32,468 | 26,181 | 25,542 | 42,072 |
| CEDAR FALLS - TOLT | 5,386 | 4,634 | 5,168 | 8,339 | 8,840 | 5,764 |
| CONSERVATION & ENVIRONMENTAL | 42,724 | 43,056 | 43,191 | 43,641 | 44,411 | 44,754 |
| POWER SUPPLY OTHER | 2,562 | 1,474 | 2,111 | 2,303 | 1,392 | 1,536 |
| SKAGIT | 48,415 | 23,428 | 22,198 | 23,924 | 18,635 | 27,964 |
| Transmission | 6,743 | 9,559 | 8,707 | 8,436 | 9,181 | 9,254 |
| TRANSMISSION | 6,743 | 9,559 | 8,707 | 8,436 | 9,181 | 9,254 |
| Grand Total | 457,696 | 467,755 | 430,838 | 433,479 | 434,197 | 437,368 |

A selection of projects from each program follows.

Central Utility Projects

Projects in this program provide for centralized billing and customer service systems, financial and information technology systems, and vehicle fleets and facilities that are not part of the power generating plant (e.g., equipment shops, service centers, and maintenance yards) and includes City Light’s work on transportation electrification.

For 2022, there is \$36.4 million in funding for 22 Central Utility Projects including \$8,220,000 in additional new funding for Office Furniture and Equipment (MC-CL-XF9103). Highlights include:

- **Office Furniture and Equipment Replacement (MC-CL-XF9103): \$8,520,500**
 This ongoing project funds renovations of office space and capital replacement of office equipment, including modular office workstations, conference room ensemble furniture, flexible group workspaces, and major office machines. Improvements will enhance worker safety, with improved light, airflow, and ergonomics, as well as enhance productivity and team collaboration. This project also supports the City’s Space Reduction Pilot, which aims to reduce the utility’s footprint in the downtown core by 25% to achieve cost efficiencies.

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- Equipment Fleet Replacement (MC-CL-XF9101): \$7,714,581
This ongoing project funds the purchase of light-duty and heavy-duty mobile equipment fleet vehicles. This includes replacement of specialized fleet vehicles for electric utility use, as well as enhancements and additions of green alternatives such as electric powered vehicles.
- Service Center Facility Improvements (MC-CL-XF9107): \$5,685,690
This ongoing project improves office, shop, storage, and exterior areas in the North and South Service Centers. The projects may include improvements to building envelopes, interior renovations and upgrades, such as office redesign and restroom upgrades, and exterior improvements such as parking lot modifications to increase efficiency, productivity, safety and optimize use of space.
- Transportation Electrification (MC-CL-XF9239): \$3,180,004
This ongoing project develops electrification infrastructure to support light-duty, medium-duty, and heavy-duty electric vehicles as well as ferry and port systems. Improvements will be developed based on feedback from customer engagement. Efforts are expected to support areas including electrified public transit, fleet electrification, and electric vehicle charging.
- Customer Information System (MC-CL-ZC9937): \$3,108,611
This project funds upgrades to the Customer Information System known as the Utility Self Service Portal that serves customers of both Seattle Public Utilities and City Light. This project empowers the customer to utilize real-time, self-serve options that improves engagement between the utilities and customers, enhances web presence, and enables both customer-facing and internal process efficiencies.
- Safety Modifications (MC-CL-XF9006): \$1,700,577
This ongoing project funds facility modifications and equipment to address imminent and critical safety needs. The project includes physical upgrades and revisions to systems, equipment, properties, and facilities, as needed to comply with safety regulations and best practices for a safe, efficient, and secure work environment.
- Georgetown Steam Plant Access Road (MC-CL-XF9233): \$1,478,001
This project will design and construct a road and associated infrastructure for public access to the Georgetown Steam Plant. This work will be partially funded by King County, who initiated street development in 2000 that cut off access to the steam plant.

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, operational technology, and other facilities and assets related to the distribution system.

For 2022, there is \$235.0 million included for 57 projects in Distribution, including \$15,793,000 in increased funding for the Accelerated Pole Replacement Program under MC-CL-YR8351 and \$8,000,000 for Pole Attachments under MC-CL-YR8452. In addition, there are four new Master Projects added to the CIP: CenTrio Electrification Program (MC-CL-ZS8510) for \$2,000,000, Grid Modernization (MC-CL-YD9510) for \$1,719,000, Utility Next (MC-CL-YD9520) for \$1,000,000, and Maritime Transportation Electrification Program (MC-CL-ZS8520) for \$300,000. Highlights include:

- Overhead Equipment Replacements (MC-CL-YR8351): \$48,718,369

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This ongoing project replaces overhead distribution equipment nearing the end of its usable life, is overloaded, or no longer has an available supply of spare parts. These items include, but are not limited to, poles, cross-arms, transformers, and open-wire secondaries.

- Medium Overhead and Underground Services (MC-CL-ZS8366): \$19,507,725
This ongoing project funds engineering and installation of radial electric power service connections with medium-sized power requirements of 50 KVA to 2.5 MVA and 26 kV. The cost of this work is generally reimbursed by the requesting customer.
- Underground Equipment Replacements (MC-CL-YR8353): \$17,045,237
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.
- Pole Attachments (MC-CL-YR8452): \$16,056,725
This ongoing project funds preparing poles for the attachment of communication infrastructure owned by other entities. The construction costs associated with this work are typically fully reimbursable and attachments generate ongoing revenues through pole attachment rental fees.
- Software Replacement Strategy (MC-CL-YD9969): \$11,082,225
This project funds the upgrade or replacement of components of the Utility Technology Portfolio. Timely upgrades and replacements ensure that technology and enterprise level software resources are kept up to date and fully functional.
- Network Additions and Services – Broad Street Substation (MC-CL-ZS8363): \$10,901,335
This ongoing project funds electrical service connections, capacity additions, and related improvements in response to customer service requests within the Broad Street network area. The project also funds replacement or installation of network transformers, network protectors and specialty transformers, or in-building vault retrofits or other short duration system improvement needs that may be identified during construction.
- Denny Substation – Network (MC-CL-YN8404): \$10,646,669
This ongoing project funds network system work in the Denny Substation network area. Work may include design and construction, engineering design at the substation network interface, and underground conversion of streetlights, traffic signals, and telecom and fiber optic systems.
- Substation Equipment Improvements (MC-CL-YS7752): \$6,117,098
This ongoing project adds, replaces, and upgrades substation equipment, particularly substation electrical and control equipment. The project also funds installation of remote control and monitoring of substation equipment from the System Control Center, which facilitates faster response time to correct system instability or outages. This work maintains and improves system reliability, permits compliance with high voltage and environmental regulations, and ensures safe work sites.
- Network Additions and Services – Denny (MC-CL-ZS8405): \$6,057,448
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 tie-switches.

- Small Overhead and Underground Services (MC-CL-ZS8367): \$6,020,267
This ongoing project funds engineering and installation of radial electric power service connections with small size power requirements of less than 50 KVA and 26 kV. The cost of this work is generally reimbursed by the requesting customer.
- Grid Modernization (MC-CL-YD9510): \$1,719,000
This project funds installation of technology and equipment to modernize the distribution grid, including distribution system sensors, automated and remote switches, and demand response systems. This project implements the Grid Modernization Plan and Roadmap, which describes the work needed to build a next-generation electric grid that can flexibly and cost-effectively absorb demand growth from electrification of buildings and transportation.
- Utility Next (MC-CL-YD9520): \$1,000,000.
This project funds grant matching for the Utility Next portfolio, which aims to leverage stimulus and grant funding to augment and accelerate progress in grid modernization, renewable energy, electrification, and workforce development.

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.

For 2022, the CIP includes \$41.6 million in funding for 10 external projects. Highlights include:

- SR 520 Bridge Relocations (MC-CL-ZT8435): \$7,477,982
This project funds relocation and installation of power service infrastructure, such as feeder extensions, to support WSDOT's replacement of the State Route 520 Bridge from Montlake to I-5. This project is projected to be fully reimbursable by WSDOT.
- Transportation Streetlights (MC-CL-ZL8377): \$6,783,952
This ongoing project funds relocation of streetlights that are displaced by City of Seattle transportation projects.
- Alaskan Way Viaduct and Seawall Replacement - Utility Relocations (MC-CL-ZT8307): \$6,408,043
This project funds relocation of electric distribution infrastructure associated with the replacement of the Alaskan Way Viaduct and improvements to the Seawall and Central Waterfront.
- Seattle Waterfront Streetlights (MC-CL-ZL8481): \$6,384,633
This project funds new streetlights in the Seattle Waterfront area. The redevelopment of the Seattle Waterfront follows the Alaskan Way Viaduct replacement and is led by the Office of the Waterfront.
- Streetlight Arterial, Residential and Flood (MC-CL-ZL8378): \$4,334,416
This ongoing project funds streetlights and floodlights requested by various taxing jurisdictions and other customers. Lights may be provided in public right of way and on private property, for either public or private benefit.

- Local Transportation Driven Relocations (MC-CL-ZT8369): \$4,079,846
This ongoing project funds relocation of electrical lines to accommodate or take advantage of transportation-related projects, street vacations, or other projects initiated by outside agencies such as SDOT, WSDOT, or suburban municipalities. Work includes modifications to the distribution system, including replacement or modifications of line segments, poles, and underground facilities. Some costs may be reimbursable by the requesting outside agencies.

Power Supply

Projects in this program include improvements to dams, generators, powerhouses, as well as compliance work to meet federal licensing and environmental mitigation requirements for hydroelectric dams. Rebuilds or replacements of major power production equipment is sequenced to reduce the impact to power generation and to minimize fluctuations in the annual amount of capital spending.

For 2022, the CIP includes \$137.8 million in funding for 58 projects in Power Supply. Four new CIP projects are conversions from Deferred O&M projects and together add \$42.7 million to this program. Highlights include:

- Skagit – Relicensing (MC-CL-XS6986): \$41,521,787
This ongoing project provides support of the relicensing activities for the Skagit River Hydroelectric Project including support of staff, environmental studies, documentation, and consultation. Relicensing work began in 2019. The current FERC license for the Skagit Project expires in 2025, and the license application is due for submission to FERC in May 2023.
- Boundary – Licensing Mitigation (MC-CL-XB6987): \$16,926,739
This ongoing project implements protection, mitigation, and enhancement measures (PMEs) required by the terms and conditions of the license issued by FERC in 2013. The license allows for the continued operation of the Boundary Hydroelectric Project, City Light's largest generating station producing approximately 25% to 40% of its power supply.
- Boundary Powerhouse Generator Step-up Transformer Replacement (MC-CL-XB6493): \$7,182,959
This project replaces six existing step-up transformers at Boundary Dam and funds the purchase of a seventh transformer to keep as a spare in inventory due to long lead times for these specialized parts. This project helps avoid prolonged loss of generation due to forced outage.
- Boundary Powerhouse – Unit 54 Generator Rebuild (MC-CL-XB6353): \$6,452,372
This project funds rewinding and refurbishing of the Boundary Powerhouse Unit 54 generator and upgrades the fire-suppression system. Work may also include mechanical upgrades or installations of seal rings, wicket gates, and diagnostic equipment. This programmatic maintenance helps extend the useful life of the generator.
- Boundary Powerhouse – Unit 52 Generator Rebuild (MC-CL-XB6535): \$5,480,422
This project funds rewinding and refurbishing of the Boundary Powerhouse Unit 52 generator and upgrades its fire-suppression system. Work may also include mechanical upgrades or installations of seal rings, wicket gates, and diagnostic equipment. This programmatic maintenance helps extend the useful life of the generator.
- Skagit Facility – Minor Improvements Program (MC-CL-XS6405): \$2,468,365

This ongoing project provides funding for emergent capital improvement needs for various facilities at the Skagit Project. This project also funds small scheduled capital projects with cost estimates of less than \$25,000.

- Cedar Falls Bank 6 Replacement (MC-CL-XC6573): \$1,886,575

This project replaces the 60-year-old Bank 6 power step-up transformer at Cedar Falls. Bank 6 provides the connection between 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.

Transmission

Projects in this program fund refurbishment and expansion of utility-owned high-voltage transmission infrastructure that transports electricity from generation facilities to City Light's service territory, as well as within the service territory.

For 2022, the CIP budget includes \$6.7 million for six projects. Highlights include:

- Transmission Reliability (MC-CL-YT7104): \$3,064,313

This ongoing project funds replacement and improvement of transmission structures and conductors. This work may include engineering, construction, and related work, as well as minor improvements to overhead or underground transmission system assets to improve reliability.

- Denny Substation Transmission Lines (MC-CL-YT7125): \$1,001,274

This project funds work associated with the design and construction of new transmission lines to support the new Denny Substation. This expansion would divide the existing Pine to Broad Street transmission line into two transmission lines to improve system reliability and resiliency.

- Transmission Tower Refurbishment (MC-CL-YT7130): \$1,800,000

This ongoing project funds programmatic painting and refurbishment of approximately 1,700 steel transmission tower structures. Metal transmission towers have a long life if properly maintained, while replacements are disruptive and can cost more than \$2 million per tower.

CIP Revenue Sources

Approximately 60% of the CIP is funded through the sale of revenue bonds, based on financial policies set forth in Resolution 31187. The remaining 40% is funded by revenues from retail electric rates, wholesale sales, direct customer billings for service connections and other customer requested work, and assorted fees. Federal and state grant funding are also anticipated funding sources in this six-year timeframe; these funds will be added to the CIP as the grants are approved.

Summary of Upcoming Budget Issues and Challenges

Budget Issues

The COVID-19 pandemic and the associated economic slowdown have contributed to a loss of demand for electricity from commercial customers, reducing revenues available for capital work. In addition, City Light's strategic plan commitment to hold rate increases to levels resembling inflation limits CIP spending to the amounts previously identified in the adopted six-year plan. This means that change requests with new funding needs must be offset with reductions elsewhere in the CIP.

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Challenges

There are several challenges that will transform our business over the next decade:

- *New technologies are transforming how people use electricity.* Commercialization of energy technologies poses a potential risk to City Light. New options and products for controlling consumption, generating, and storing electricity will impact how customers interact with their local utility. Utilities must continue to evolve and to develop their products and services to best serve shifting customer needs and expectations. Additionally, the utility's viability is expected to remain an important component to ensure that the transforming landscape results in an equitable energy future that does not leave disadvantaged communities behind.
- *Declining retail energy consumption and electrification.* Advances in energy efficiency have reduced consumer energy demand, particularly for those with access to modern energy efficient technology and dwellings. Due in part to energy efficient building codes and new technologies, today's multifamily units consume approximately half as much energy as older single-family homes. At the same time, electrification of buildings and transportation promises to increase demand for electricity, reinforcing the critical need for grid investments that will be required to effectively serve this new demand. This changing landscape calls for managing impacts to rates while also understanding and compensating for inequities in access to green, cost-saving technologies.
- *Impact of retirements and legacy practices.* As more employees become eligible for retirement and workflows are not documented or digitized, City Light risks the loss of institutional memory, costly service interruptions, and a potential impact to service delivery.
- *Climate change continues, and clean energy is more valuable than ever.* Weather pattern changes affect reservoir levels and seasonal energy consumption, leading to increasing volatility of energy supply and demand.

Future Projects/What is on the Horizon

- Demand for transportation and building electrification is growing and will support the Mayor's Drive Clean Seattle and City Council Green New Deal priorities. Prospects for large scale commercial electrification include steam utility CenTrio (formerly EnWave) and maritime applications, including ferries, the port, and various types of commercial ships.
- The transition to the new 5G network is driving a large number of requests for attachment space on poles. The impact of 5G deployment will touch nearly every pole in City Light's distribution system and will provide a growing stream of rental revenue.

Advanced Metering Infrastructure

| | | | |
|-------------------------------|--------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8426 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | Citywide |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Multiple |
| Start/End Date: | 2015 - 2025 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$101,947 | Urban Village: | Not in an Urban Village |

The first phase of this project replaced approximately 400,000 meters with Smart Meters. The second phase of this project funds the replacement of approximately 25,000 remaining 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------|
| City Light Fund Revenues | 92,287 | 8,086 | 410 | 378 | 388 | 397 | - | - | 101,947 |
| Total: | 92,287 | 8,086 | 410 | 378 | 388 | 397 | - | - | 101,947 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 92,287 | 8,086 | 410 | 378 | 388 | 397 | - | - | 101,947 |
| Total: | 92,287 | 8,086 | 410 | 378 | 388 | 397 | - | - | 101,947 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Alaskan Way Viaduct and Seawall Replacement - Utility Relocations

| | | | |
|-------------------------------|------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZT8307 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | SR 99 / Battery St |
| Current Project Stage: | Stage 5 - Construction | Council District: | Council District 7 |
| Start/End Date: | 2002 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$257,180 | Urban Village: | Not in an Urban Village |

This project provides relocation of electric distribution infrastructure associated with the replacement of the Alaskan Way Viaduct and improvements to the Seawall and Central Waterfront.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|------------|----------|----------|----------|----------------|
| City Light Fund Revenues | 208,507 | 40,828 | 6,408 | 1,303 | 134 | - | - | - | 257,180 |
| Total: | 208,507 | 40,828 | 6,408 | 1,303 | 134 | - | - | - | 257,180 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 208,507 | 40,828 | 6,408 | 1,303 | 134 | - | - | - | 257,180 |
| Total: | 208,507 | 40,828 | 6,408 | 1,303 | 134 | - | - | - | 257,180 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

BO Lead and Asbestos

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| Project No: | MC-CL-XF9231 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Bothell Receiving Substation |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Citywide |
| Start/End Date: | 2013 - 2022 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$1,201 | Urban Village: | Outside City of Seattle |

This project provides funding for the removal of contaminants, sewer remediation, and decommissioning of the water tower at the Bothell Substation. Removal of lead and asbestos in the Craneway Area is necessary in order to make the area space useable. The existing septic system does not meet code and needs to be removed or abandoned in place. The sanitary system then needs to be connected with services out to the street. The water tower needs to be deconstructed and removed as it is no longer used or needed and represents a risk to the substation if it deteriorates to the point of collapsing.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,051 | 150 | - | - | - | - | - | - | 1,201 |
| Total: | 1,051 | 150 | - | - | - | - | - | - | 1,201 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,051 | 150 | - | - | - | - | - | - | 1,201 |
| Total: | 1,051 | 150 | - | - | - | - | - | - | 1,201 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary - Access Road Stability Improvements

| | | | |
|-------------------------------|--|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6615 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2028 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$7,630 | Urban Village: | Outside City of Seattle |

This project constructs a substantial slope stabilization in the area of the West Access Road cut to limit maintenance inputs, ensure continued access to the powerhouse, 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 early 00's. There is a risk that the slope could fail in a more conclusive fashion and block access to the powerhouse. Additionally, the upslope interceptor ditch (a concrete channel) suffered undermining erosion causing the concrete to subside and not perform well at channelizing and conveying sheet flow away from the slope face.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|----------|----------|----------|----------|------------|--------------|--------------|
| City Light Fund Revenues | 857 | - | - | - | - | - | 589 | 6,184 | 7,630 |
| Total: | 857 | - | - | - | - | - | 589 | 6,184 | 7,630 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 857 | - | - | - | - | - | 589 | 6,184 | 7,630 |
| Total: | 857 | - | - | - | - | - | 589 | 6,184 | 7,630 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary - DC Battery System & Charge Modernization

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6566 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 5 - Construction | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2024 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$3,361 | Urban Village: | Outside City of Seattle |

This project replaces the multiple existing DC battery systems at Boundary.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,534 | 127 | 78 | 794 | 828 | - | - | - | 3,361 |
| Total: | 1,534 | 127 | 78 | 794 | 828 | - | - | - | 3,361 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,534 | 127 | 78 | 794 | 828 | - | - | - | 3,361 |
| Total: | 1,534 | 127 | 78 | 794 | 828 | - | - | - | 3,361 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary - Level 6 Deck Stabilization

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6604 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 5 - Construction | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$3,131 | Urban Village: | Not in an Urban Village |

This project installs a new system of rock bolts and other forms of rock anchors to improve the structural stability of the Level 6 Deck on Boundary Dam. This portion of the dam is attached to and supported by the adjacent rock. Inspections revealed a weakness in the current attachments and use of the deck by heavy equipment is restricted until these improvements are made. This project also includes stabilization of rock blocks in the powerhouse machine hall.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 2,902 | 169 | - | 10 | 50 | - | - | - | 3,131 |
| Total: | 2,902 | 169 | - | 10 | 50 | - | - | - | 3,131 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,902 | 169 | - | 10 | 50 | - | - | - | 3,131 |
| Total: | 2,902 | 169 | - | 10 | 50 | - | - | - | 3,131 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary - Licensing Mitigation

| | | | |
|-------------------------------|----------------|-------------------------------|---------------------------------------|
| Project No: | MC-CL-XB6987 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Investment | Location: | 10382 Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|---------------|---------------|---------------|--------------|---------------|---------------|----------------|
| City Light Fund Revenues | 99,016 | 41,742 | 16,927 | 28,997 | 14,126 | 8,066 | 15,377 | 31,036 | 255,286 |
| Total: | 99,016 | 41,742 | 16,927 | 28,997 | 14,126 | 8,066 | 15,377 | 31,036 | 255,286 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 99,016 | 41,742 | 16,927 | 28,997 | 14,126 | 8,066 | 15,377 | 31,036 | 255,286 |
| Total: | 99,016 | 41,742 | 16,927 | 28,997 | 14,126 | 8,066 | 15,377 | 31,036 | 255,286 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary - Unit 56 Exciter Replacement

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6603 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2021 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$2,035 | Urban Village: | Outside City of Seattle |

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, increasing 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,946 | 89 | - | - | - | - | - | - | 2,035 |
| Total: | 1,946 | 89 | - | - | - | - | - | - | 2,035 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,946 | 89 | - | - | - | - | - | - | 2,035 |
| Total: | 1,946 | 89 | - | - | - | - | - | - | 2,035 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Control Room Alarm System Replacement

| | | | |
|-------------------------------|--|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6637 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$1,019 | Urban Village: | Not in an Urban Village |

This project replaces the system of alarms and annunciator panels in the Boundary Control room with a modern system that integrates with the current automation system. Alarms will be routed to PH Operator terminals where information will be displayed as to the nature of the alarm. Due to the large number of circuits that will need to be replaced, this project will be implemented in phases over several years.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|------------|------------|-----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 95 | 457 | 227 | 217 | 24 | - | - | - | 1,019 |
| Total: | 95 | 457 | 227 | 217 | 24 | - | - | - | 1,019 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 95 | 457 | 227 | 217 | 24 | - | - | - | 1,019 |
| Total: | 95 | 457 | 227 | 217 | 24 | - | - | - | 1,019 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary DC Panel Upgrade

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6628 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$1,098 | Urban Village: | Not in an Urban Village |

This project replaces and upgrades DC panels at Boundary. The panel capacity has been maxed out from the addition of many control circuits, resulting in multiple circuits being connected to the same breaker. The work will include a load study, design of new main and sub panels, and construction. These panels provide back-up service to critical equipment via batteries in the event of a power failure in the powerhouse.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 964 | 134 | - | - | - | - | - | - | 1,098 |
| Total: | 964 | 134 | - | - | - | - | - | - | 1,098 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 964 | 134 | - | - | - | - | - | - | 1,098 |
| Total: | 964 | 134 | - | - | - | - | - | - | 1,098 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Facilities Master Plan

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XB6642 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project installs a new system of rock bolts and other forms of rock anchors to improve the structural stability of the Level 6 Deck on Boundary Dam. This portion of the dam is attached to and supported by the adjacent rock. An inspection revealed a weakness in the current attachments and use of the deck by heavy equipment is restricted until these improvements are made.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|--------------|--------------|--------------|------------|------------|--------------|
| City Light Fund Revenues | - | 242 | 129 | 1,440 | 2,296 | 1,250 | 941 | 965 | 7,262 |
| Total: | - | 242 | 129 | 1,440 | 2,296 | 1,250 | 941 | 965 | 7,262 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 242 | 129 | 1,440 | 2,296 | 1,250 | 941 | 965 | 7,262 |
| Total: | - | 242 | 129 | 1,440 | 2,296 | 1,250 | 941 | 965 | 7,262 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Facility - Minor Improvements Program

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------------|
| Project No: | MC-CL-XB6401 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 10382 Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides funding 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 22,714 | 1,126 | 202 | 1,215 | 6,850 | 8,409 | 2,246 | 2,264 | 45,027 |
| Total: | 22,714 | 1,126 | 202 | 1,215 | 6,850 | 8,409 | 2,246 | 2,264 | 45,027 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 22,714 | 1,126 | 202 | 1,215 | 6,850 | 8,409 | 2,246 | 2,264 | 45,027 |
| Total: | 22,714 | 1,126 | 202 | 1,215 | 6,850 | 8,409 | 2,246 | 2,264 | 45,027 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Fiber Ring Upgrade

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6635 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2024 - 2027 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$1,039 | Urban Village: | Not in an Urban Village |

This project installs additional fiber between Boundary powerhouse and the service area. This is necessary to continue to modernize our powerhouse controls, machine monitoring, cyber security systems and work environment.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|------|------|------------|------------|------------|------|--------------|
| City Light Fund Revenues | - | - | - | - | 378 | 467 | 194 | - | 1,039 |
| Total: | - | - | - | - | 378 | 467 | 194 | - | 1,039 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | - | - | 378 | 467 | 194 | - | 1,039 |
| Total: | - | - | - | - | 378 | 467 | 194 | - | 1,039 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Governor Rehabilitation

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6641 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2024 - 2026 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$8,465 | Urban Village: | Not in an Urban Village |

This project replaces the control systems on all six Boundary generating units. A condition assessment of the Boundary generating units found a number of problems with the governor controls including poor transfer between primary and backup operation, reset problems, and controller lock-up.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------|------|------------|--------------|--------------|------|--------------|
| City Light Fund Revenues | - | - | - | - | 405 | 4,059 | 4,001 | - | 8,465 |
| Total: | - | - | - | - | 405 | 4,059 | 4,001 | - | 8,465 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | - | - | 405 | 4,059 | 4,001 | - | 8,465 |
| Total: | - | - | - | - | 405 | 4,059 | 4,001 | - | 8,465 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Powerhouse - Unit 51 Generator Rebuild

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------------|
| Project No: | MC-CL-XB6351 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 10382 Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 5 - Construction | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$40,008 | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 34,120 | 5,842 | 19 | 19 | 8 | - | - | - | 40,008 |
| Total: | 34,120 | 5,842 | 19 | 19 | 8 | - | - | - | 40,008 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 34,120 | 5,842 | 19 | 19 | 8 | - | - | - | 40,008 |
| Total: | 34,120 | 5,842 | 19 | 19 | 8 | - | - | - | 40,008 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Powerhouse - Unit 52 Generator Rebuild

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6535 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2024 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$27,440 | Urban Village: | Outside City of Seattle |

This project provides rewinding and refurbishing of the Boundary Powerhouse Unit 52 generator and upgrades its fire-suppression system. Work may also include mechanical upgrades or installations of seal rings, wicket gates, and diagnostic equipment. This programmatic maintenance helps extend the useful life of the generator.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 68 | 15,567 | 5,480 | 6,325 | - | - | - | - | 27,440 |
| Total: | 68 | 15,567 | 5,480 | 6,325 | - | - | - | - | 27,440 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 68 | 15,567 | 5,480 | 6,325 | - | - | - | - | 27,440 |
| Total: | 68 | 15,567 | 5,480 | 6,325 | - | - | - | - | 27,440 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Powerhouse - Unit 54 Generator Rebuild

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---------------------------------------|
| Project No: | MC-CL-XB6353 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 10382 Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2018 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$28,702 | Urban Village: | Not in an Urban Village |

This project provides rewinding and refurbishing of the Boundary Powerhouse Unit 54 generator and upgrades the fire-suppression system. Work may also include mechanical upgrades or installations of seal rings, wicket gates, and diagnostic equipment. This programmatic maintenance helps extend the useful life of the generator.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 11,365 | 10,783 | 6,452 | 79 | 23 | - | - | - | 28,702 |
| Total: | 11,365 | 10,783 | 6,452 | 79 | 23 | - | - | - | 28,702 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 11,365 | 10,783 | 6,452 | 79 | 23 | - | - | - | 28,702 |
| Total: | 11,365 | 10,783 | 6,452 | 79 | 23 | - | - | - | 28,702 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Powerhouse Generator Step-up Transformer Replacement

| | | | |
|-------------------------------|------------------|-------------------------------|---------------------------------------|
| Project No: | MC-CL-XB6493 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | New Facility | Location: | 10382 Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2010 - 2025 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$46,447 | Urban Village: | Not in an Urban Village |

This project replaces six existing step-up transformers at Boundary Dam and funds the purchase of a seventh transformer to keep as a spare in inventory due to long lead times for these specialized parts. This project helps avoid prolonged loss of generation due to forced outage.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|----------|----------|---------------|
| City Light Fund Revenues | 16,400 | 9,542 | 7,183 | 6,982 | 4,724 | 1,615 | - | - | 46,447 |
| Total: | 16,400 | 9,542 | 7,183 | 6,982 | 4,724 | 1,615 | - | - | 46,447 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 16,400 | 9,542 | 7,183 | 6,982 | 4,724 | 1,615 | - | - | 46,447 |
| Total: | 16,400 | 9,542 | 7,183 | 6,982 | 4,724 | 1,615 | - | - | 46,447 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Station Service Transformer Replacement

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6627 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2025 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$6,238 | Urban Village: | Not in an Urban Village |

This project replaces two aging station service transformers at Boundary. It is assumed that they will be specified and procured together but installed in two sequential years. Station service transformers provide power to the powerhouse, dam and service area. It is likely that the rating of the transformers will need to be increased to accommodate load increases associated with the addition of new circuits in the powerhouse for automation, controls and machine monitoring.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|--------------|-----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 19 | 475 | 846 | 4,879 | 18 | - | - | - | 6,238 |
| Total: | 19 | 475 | 846 | 4,879 | 18 | - | - | - | 6,238 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 19 | 475 | 846 | 4,879 | 18 | - | - | - | 6,238 |
| Total: | 19 | 475 | 846 | 4,879 | 18 | - | - | - | 6,238 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Boundary Sump Pump Drive Replacement

| | | | |
|-------------------------------|--|-------------------------------|---------------------------------|
| Project No: | MC-CL-XB6633 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary Rd, Metaline, WA 99153 |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2025 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$1,322 | Urban Village: | Not in an Urban Village |

This project replaces and modernizes drive systems for sump pump at Boundary powerhouse. Portions of Boundary powerhouse are below the level of the tailrace and there is a reliance on a series of sump pumps to keep the powerhouse dry. Projects to replace the sump pumps are completed, and now the drive systems for each pump need to be replaced and modernized. One drive system will be replaced per year with the final one in service in 2024.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|-----------|------------|------------|----------|----------|----------|--------------|
| City Light Fund Revenues | 241 | 381 | 91 | 303 | 306 | - | - | - | 1,322 |
| Total: | 241 | 381 | 91 | 303 | 306 | - | - | - | 1,322 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 241 | 381 | 91 | 303 | 306 | - | - | - | 1,322 |
| Total: | 241 | 381 | 91 | 303 | 306 | - | - | - | 1,322 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Broad Street Substation - Network

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8203 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | 319 6th AVE N |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| City Light Fund Revenues | 87,611 | 7,263 | 2,331 | 2,378 | 2,539 | 2,533 | 3,041 | 3,412 | 111,107 |
| Total: | 87,611 | 7,263 | 2,331 | 2,378 | 2,539 | 2,533 | 3,041 | 3,412 | 111,107 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 87,611 | 7,263 | 2,331 | 2,378 | 2,539 | 2,533 | 3,041 | 3,412 | 111,107 |
| Total: | 87,611 | 7,263 | 2,331 | 2,378 | 2,539 | 2,533 | 3,041 | 3,412 | 111,107 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Building Envelope Upgrades

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XF9072 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 500 Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 11,504 | 4,274 | - | - | - | 1,096 | 1,107 | 1,399 | 19,379 |
| Total: | 11,504 | 4,274 | - | - | - | 1,096 | 1,107 | 1,399 | 19,379 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 11,504 | 4,274 | - | - | - | 1,096 | 1,107 | 1,399 | 19,379 |
| Total: | 11,504 | 4,274 | - | - | - | 1,096 | 1,107 | 1,399 | 19,379 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Call Center Improvements - City Light

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---|
| Project No: | MC-CL-ZC9972 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | University District / Roosevelt / Northgate |
| Current Project Stage: | N/A | Council District: | Council District 5 |
| Start/End Date: | N/A | Neighborhood District: | Northwest |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|
| City Light Fund Revenues | 339 | 107 | 45 | 45 | 45 | 45 | 45 | 45 | 717 |
| Total: | 339 | 107 | 45 | 45 | 45 | 45 | 45 | 45 | 717 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 339 | 107 | 45 | 45 | 45 | 45 | 45 | 45 | 717 |
| Total: | 339 | 107 | 45 | 45 | 45 | 45 | 45 | 45 | 717 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Cedar Falls Powerhouse - Unit 5/6 Generator Protective Relay

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---|
| Project No: | MC-CL-XC6450 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 19901 Cedar Falls Rd SE, North Bend, WA 98045 |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2007 - 2023 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$2,939 | Urban Village: | 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. Upgrading and reconfiguring the protective relays is critical to preparing the new Cedar Falls substation for operation. 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,159 | 522 | 1,183 | 75 | - | - | - | - | 2,939 |
| Total: | 1,159 | 522 | 1,183 | 75 | - | - | - | - | 2,939 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,159 | 522 | 1,183 | 75 | - | - | - | - | 2,939 |
| Total: | 1,159 | 522 | 1,183 | 75 | - | - | - | - | 2,939 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Cedar Falls Powerhouse - Valvehouse Rehabilitation

| | | | |
|-------------------------------|--|-------------------------------|---|
| Project No: | MC-CL-XC6324 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 19901 Cedar Falls Rd SE, North Bend, WA 98045 |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Outside City of Seattle |
| Start/End Date: | 2023 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$613 | Urban Village: | Not in an Urban Village |

This project provides rehabilitation to the Cedar Falls Valvehouse. Rehabilitation may include exterior structural improvements, replacement of windows, oil spill prevention, and interior remodeling.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | - | - | - | 106 | 507 | - | - | - | 613 |
| Total: | - | - | - | 106 | 507 | - | - | - | 613 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | - | 106 | 507 | - | - | - | 613 |
| Total: | - | - | - | 106 | 507 | - | - | - | 613 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Cedar Falls Rehabilitation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XC6625 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Cedar Falls |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

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 and employee safety, and environmental stewardship.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,585 | 229 | 150 | 200 | - | - | - | - | 2,165 |
| Total: | 1,585 | 229 | 150 | 200 | - | - | - | - | 2,165 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,585 | 229 | 150 | 200 | - | - | - | - | 2,165 |
| Total: | 1,585 | 229 | 150 | 200 | - | - | - | - | 2,165 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Cedar Falls Substation & Bank 6 Replacement

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-XC6573 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Cedar Falls |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2018 - 2023 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$13,341 | Urban Village: | Outside City of Seattle |

This project replaces the 60-year-old Bank 6 power step up transformer at Cedar Falls. Bank 6 provides the connection between 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|-----------|----------|----------|----------|----------|---------------|
| City Light Fund Revenues | 2,651 | 8,741 | 1,887 | 62 | - | - | - | - | 13,341 |
| Total: | 2,651 | 8,741 | 1,887 | 62 | - | - | - | - | 13,341 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,651 | 8,741 | 1,887 | 62 | - | - | - | - | 13,341 |
| Total: | 2,651 | 8,741 | 1,887 | 62 | - | - | - | - | 13,341 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Cedar Falls/South Fork Tolt - Minor Improvements Program

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---|
| Project No: | MC-CL-XC6406 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 19901 Cedar Falls Rd SE, North Bend, WA 98045 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds 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 unforeseeable, unscheduled, unpredictable, and occur on a first-come, first serve basis.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 16,699 | 1,165 | 746 | 2,348 | 2,764 | 2,193 | 2,566 | 2,319 | 30,801 |
| Total: | 16,699 | 1,165 | 746 | 2,348 | 2,764 | 2,193 | 2,566 | 2,319 | 30,801 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 16,699 | 1,165 | 746 | 2,348 | 2,764 | 2,193 | 2,566 | 2,319 | 30,801 |
| Total: | 16,699 | 1,165 | 746 | 2,348 | 2,764 | 2,193 | 2,566 | 2,319 | 30,801 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Center City Connector Streetcar City Light

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZT8470 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | City Wide |
| Current Project Stage: | Stage 3 - Design | Council District: | Multiple |
| Start/End Date: | 2015 - 2021 | Neighborhood District: | Multiple |
| Total Project Cost: | \$1,001 | Urban Village: | Multiple |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 844 | 157 | - | - | - | - | - | - | 1,001 |
| Total: | 844 | 157 | - | - | - | - | - | - | 1,001 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 844 | 157 | - | - | - | - | - | - | 1,001 |
| Total: | 844 | 157 | - | - | - | - | - | - | 1,001 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

CenTrio Electrification

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZS8510 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | New Investment | Location: | System Wide |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Council District 2 |
| Start/End Date: | 2022 - 2023 | Neighborhood District: | Downtown |
| Total Project Cost: | \$7,000 | Urban Village: | Downtown |

This project funds the plan, design, procurement, construction, and commission of large City Light capital investment projects to deliver infrastructure required to meet electrification of CenTrio, a franchise utility that delivers steam for heating of multiple downtown buildings in Seattle.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|------|------|------|------|--------------|
| City Light Fund Revenues | - | - | 2,000 | 5,000 | - | - | - | - | 7,000 |
| Total: | - | - | 2,000 | 5,000 | - | - | - | - | 7,000 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 2,000 | 5,000 | - | - | - | - | 7,000 |
| Total: | - | - | 2,000 | 5,000 | - | - | - | - | 7,000 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Communications Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9009 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|
| City Light Fund Revenues | 10,476 | 1,364 | 700 | 900 | 850 | 905 | 906 | 1,273 | 17,373 |
| Total: | 10,476 | 1,364 | 700 | 900 | 850 | 905 | 906 | 1,273 | 17,373 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 10,476 | 1,364 | 700 | 900 | 850 | 905 | 906 | 1,273 | 17,373 |
| Total: | 10,476 | 1,364 | 700 | 900 | 850 | 905 | 906 | 1,273 | 17,373 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Creston-Nelson to Intergate East Feeder Installation

| | | | |
|-------------------------------|--------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZO8430 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | Tukwila |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2009 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$9,074 | Urban Village: | Not in an Urban Village |

This 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 8,815 | 259 | - | - | - | - | - | - | 9,074 |
| Total: | 8,815 | 259 | - | - | - | - | - | - | 9,074 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 8,815 | 259 | - | - | - | - | - | - | 9,074 |
| Total: | 8,815 | 259 | - | - | - | - | - | - | 9,074 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Dallas Ave. 26 kV Crossing

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8322 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Dallas Ave S |
| Current Project Stage: | Stage 3 - Design | Council District: | Council District 2 |
| Start/End Date: | 2005 - 2028 | Neighborhood District: | Greater Duwamish |
| Total Project Cost: | \$11,381 | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|--------------|--------------|---------------|
| City Light Fund Revenues | 522 | 560 | 206 | 6 | 231 | 35 | 4,821 | 5,000 | 11,381 |
| Total: | 522 | 560 | 206 | 6 | 231 | 35 | 4,821 | 5,000 | 11,381 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 522 | 560 | 206 | 6 | 231 | 35 | 4,821 | 5,000 | 11,381 |
| Total: | 522 | 560 | 206 | 6 | 231 | 35 | 4,821 | 5,000 | 11,381 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Dam Safety Part 12 Improvements

| | | | |
|-------------------------------|-------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XB6626 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Improved Facility | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project provides 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 1,636 | 956 | 552 | 1,244 | 1,264 | 2,091 | 2,194 | 1,622 | 11,560 |
| Total: | 1,636 | 956 | 552 | 1,244 | 1,264 | 2,091 | 2,194 | 1,622 | 11,560 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,636 | 956 | 552 | 1,244 | 1,264 | 2,091 | 2,194 | 1,622 | 11,560 |
| Total: | 1,636 | 956 | 552 | 1,244 | 1,264 | 2,091 | 2,194 | 1,622 | 11,560 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Data Warehouse Implementation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZF9975 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Citywide |
| Start/End Date: | 2017 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$2,017 | Urban Village: | Not in an Urban Village |

This project funds the development of data marts to be added to a Data Warehouse. 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | - | 1,651 | - | 144 | 223 | - | - | - | 2,017 |
| Total: | - | 1,651 | - | 144 | 223 | - | - | - | 2,017 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 1,651 | - | 144 | 223 | - | - | - | 2,017 |
| Total: | - | 1,651 | - | 144 | 223 | - | - | - | 2,017 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Denny Substation - Network

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8404 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | Valley Street |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Lake Union |
| Total Project Cost: | N/A | Urban Village: | South Lake Union |

This ongoing project funds network system work in the Denny Substation network area. Work may include design and construction, engineering design at the substation network interface, and underground conversion of streetlights, traffic signals, and telecom and fiber optic systems.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|---------------|---------------|---------------|---------------|--------------|--------------|----------------|
| City Light Fund Revenues | 101,266 | 5,742 | 10,647 | 10,869 | 11,118 | 11,128 | 6,342 | 6,454 | 163,567 |
| Total: | 101,266 | 5,742 | 10,647 | 10,869 | 11,118 | 11,128 | 6,342 | 6,454 | 163,567 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 101,266 | 5,742 | 10,647 | 10,869 | 11,118 | 11,128 | 6,342 | 6,454 | 163,567 |
| Total: | 101,266 | 5,742 | 10,647 | 10,869 | 11,118 | 11,128 | 6,342 | 6,454 | 163,567 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Denny Substation Tenant Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------|
| Project No: | MC-CL-XF9235 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Valley Street |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Lake Union |
| Total Project Cost: | N/A | Urban Village: | South Lake Union |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|-----------|----------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 2,472 | 2,788 | 38 | - | - | - | - | - | 5,298 |
| Total: | 2,472 | 2,788 | 38 | - | - | - | - | - | 5,298 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,472 | 2,788 | 38 | - | - | - | - | - | 5,298 |
| Total: | 2,472 | 2,788 | 38 | - | - | - | - | - | 5,298 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Denny Substation Transmission Lines

| | | | |
|-------------------------------|--|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YT7125 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Citywide |
| Start/End Date: | 2008 - 2030 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$29,647 | Urban Village: | Not in an Urban Village |

This project provides work associated with the design and construction of new transmission lines to support the new Denny Substation. This expansion would divide the existing Pine to Broad Street transmission line into two transmission lines to improve system reliability and resiliency.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|--------------|------------|------------|------------|------------|------------|---------------|
| City Light Fund Revenues | 17,449 | 10,194 | 1,001 | 201 | 201 | 200 | 191 | 210 | 29,647 |
| Total: | 17,449 | 10,194 | 1,001 | 201 | 201 | 200 | 191 | 210 | 29,647 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 17,449 | 10,194 | 1,001 | 201 | 201 | 200 | 191 | 210 | 29,647 |
| Total: | 17,449 | 10,194 | 1,001 | 201 | 201 | 200 | 191 | 210 | 29,647 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Diablo - Load Interrupters Replacement

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| Project No: | MC-CL-XS6532 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 126 Stte Highway 20 |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2015 - 2021 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$6,072 | Urban Village: | Outside City of Seattle |

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 circuit breakers.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------|------|------|------|------|------|--------------|
| City Light Fund Revenues | 5,721 | 351 | - | - | - | - | - | - | 6,072 |
| Total: | 5,721 | 351 | - | - | - | - | - | - | 6,072 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 5,721 | 351 | - | - | - | - | - | - | 6,072 |
| Total: | 5,721 | 351 | - | - | - | - | - | - | 6,072 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Diablo - Replace Bank Transformers

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|------------------------------|
| Project No: | MC-CL-XS6589 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 126 Stte Highway 20 |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2026 - 2029 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$4,115 | Urban Village: | Outside City of Seattle |

This project replaces the two Diablo generator step up transformer banks as they reach the end of their useful life.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------|------|------|------|------------|--------------|--------------|
| City Light Fund Revenues | - | - | - | - | - | - | 315 | 3,800 | 4,115 |
| Total: | - | - | - | - | - | - | 315 | 3,800 | 4,115 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | - | - | - | - | 315 | 3,800 | 4,115 |
| Total: | - | - | - | - | - | - | 315 | 3,800 | 4,115 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Diablo Dam - Spill Gate Trunnion Upgrades

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| Project No: | MC-CL-XS6610 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 126 Stte Highway 20 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,513 | 572 | 306 | 357 | 505 | 168 | - | - | 3,422 |
| Total: | 1,513 | 572 | 306 | 357 | 505 | 168 | - | - | 3,422 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,513 | 572 | 306 | 357 | 505 | 168 | - | - | 3,422 |
| Total: | 1,513 | 572 | 306 | 357 | 505 | 168 | - | - | 3,422 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Diablo Facility - Lines Protection Upgrades

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6483 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 126 State Highway 20 |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2011 - 2021 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$6,664 | Urban Village: | Not in an Urban Village |

This project provides updated line protection schemes on the Diablo Facility D1, D2, & D3, R1 and R2 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 6,586 | 78 | - | - | - | - | - | - | 6,664 |
| Total: | 6,586 | 78 | - | - | - | - | - | - | 6,664 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 6,586 | 78 | - | - | - | - | - | - | 6,664 |
| Total: | 6,586 | 78 | - | - | - | - | - | - | 6,664 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Distribution Area Communications Networks

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9307 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 25,944 | 3,944 | 2,396 | 2,525 | 1,648 | 2,100 | 2,067 | 2,135 | 42,758 |
| Total: | 25,944 | 3,944 | 2,396 | 2,525 | 1,648 | 2,100 | 2,067 | 2,135 | 42,758 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 25,944 | 3,944 | 2,396 | 2,525 | 1,648 | 2,100 | 2,067 | 2,135 | 42,758 |
| Total: | 25,944 | 3,944 | 2,396 | 2,525 | 1,648 | 2,100 | 2,067 | 2,135 | 42,758 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Distribution Automation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8425 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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 provides the ability to automatically perform outage restoration, shift blocks of load to maximize efficiencies of feeders, and reconfigure the feeder grid. Typical operation involves 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 13,426 | 3,265 | 2,998 | 3,210 | 3,092 | 3,141 | 3,200 | 3,662 | 35,993 |
| Total: | 13,426 | 3,265 | 2,998 | 3,210 | 3,092 | 3,141 | 3,200 | 3,662 | 35,993 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 13,426 | 3,265 | 2,998 | 3,210 | 3,092 | 3,141 | 3,200 | 3,662 | 35,993 |
| Total: | 13,426 | 3,265 | 2,998 | 3,210 | 3,092 | 3,141 | 3,200 | 3,662 | 35,993 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Distribution Management System

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9966 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | Citywide |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Citywide |
| Start/End Date: | 2027 - 2028 | Neighborhood District: | Multiple |
| Total Project Cost: | \$6,829 | Urban Village: | Multiple |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------|------|------|------|------|--------------|--------------|
| City Light Fund Revenues | - | - | - | - | - | - | - | 6,829 | 6,829 |
| Total: | - | - | - | - | - | - | - | 6,829 | 6,829 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | - | - | - | - | - | 6,829 | 6,829 |
| Total: | - | - | - | - | - | - | - | 6,829 | 6,829 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Document Management System

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZF9962 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| City Light Fund Revenues | 1,250 | 1,814 | 660 | 872 | 872 | 1,000 | 1,848 | 1,000 | 9,315 |
| Total: | 1,250 | 1,814 | 660 | 872 | 872 | 1,000 | 1,848 | 1,000 | 9,315 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,250 | 1,814 | 660 | 872 | 872 | 1,000 | 1,848 | 1,000 | 9,315 |
| Total: | 1,250 | 1,814 | 660 | 872 | 872 | 1,000 | 1,848 | 1,000 | 9,315 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Electric Vehicle Infrastructure

| | | | |
|-------------------------------|----------------|-------------------------------|--------------------|
| Project No: | MC-CL-XF9237 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Investment | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing project funds the implementation of City Light's public electric vehicle charging pilot project. This project will deploy 26 public EV fast chargers within the service area, at both City-owned property and private sites. City Light owns and installs the charging infrastructure. This program allows customers access to carbon-neutral electricity that customers are demanding, better utilize current utility assets, and contribute to the Clean, Renewable-Powered City initiative and the aggressive goals of the Drive Clean Seattle Initiative.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 3,499 | 1,497 | - | - | - | - | - | - | 4,996 |
| Total: | 3,499 | 1,497 | - | - | - | - | - | - | 4,996 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,499 | 1,497 | - | - | - | - | - | - | 4,996 |
| Total: | 3,499 | 1,497 | - | - | - | - | - | - | 4,996 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Endangered Species Act Mitigation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XP6990 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Outside City of Seattle |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds work that 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|------------|---------------|
| City Light Fund Revenues | 14,308 | 1,825 | 1,154 | 1,169 | 1,192 | 1,213 | 1,124 | 615 | 22,599 |
| Total: | 14,308 | 1,825 | 1,154 | 1,169 | 1,192 | 1,213 | 1,124 | 615 | 22,599 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 14,308 | 1,825 | 1,154 | 1,169 | 1,192 | 1,213 | 1,124 | 615 | 22,599 |
| Total: | 14,308 | 1,825 | 1,154 | 1,169 | 1,192 | 1,213 | 1,124 | 615 | 22,599 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Energy Conservation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9320 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|------------|------------|------------|----------|----------|---------------|
| City Light Fund Revenues | 7,143 | 2,030 | 1,100 | 850 | 600 | 600 | - | - | 12,323 |
| Total: | 7,143 | 2,030 | 1,100 | 850 | 600 | 600 | - | - | 12,323 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 7,143 | 2,030 | 1,100 | 850 | 600 | 600 | - | - | 12,323 |
| Total: | 7,143 | 2,030 | 1,100 | 850 | 600 | 600 | - | - | 12,323 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Energy Efficiency

| | | | |
|-------------------------------|-------------------|-------------------------------|------------------------------------|
| Project No: | MC-CL-WC2250 | BSL Code: | BC-CL-W |
| Project Type: | Ongoing | BSL Name: | Conservation & Environmental - CIP |
| Project Category: | Improved Facility | Location: | |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing project funds energy efficiency programs at City Light.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| City Light Fund Revenues | - | - | 28,394 | 28,644 | 28,644 | 28,894 | 29,394 | 29,394 | 173,362 |
| Total: | - | - | 28,394 | 28,644 | 28,644 | 28,894 | 29,394 | 29,394 | 173,362 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 28,394 | 28,644 | 28,644 | 28,894 | 29,394 | 29,394 | 173,362 |
| Total: | - | - | 28,394 | 28,644 | 28,644 | 28,894 | 29,394 | 29,394 | 173,362 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Energy Management System Upgrade

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9979 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Citywide |
| Start/End Date: | 2020 - 2021 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$1,650 | Urban Village: | Not in an Urban Village |

This project funds the upgrade to maintain the City Light vendor supported Energy Management System (EMS) for Supervisory Control and Data Acquisition (SCADA) for power system operation that is current with industry technology, cyber security and regulatory compliant for highly available and reliable system operation. The EMS Replacement Project was deployed in 2016 with a planned investment objective to maintain current vendor support with software and hardware.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 566 | 1,084 | - | - | - | - | - | - | 1,650 |
| Total: | 566 | 1,084 | - | - | - | - | - | - | 1,650 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 566 | 1,084 | - | - | - | - | - | - | 1,650 |
| Total: | 566 | 1,084 | - | - | - | - | - | - | 1,650 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Enterprise Geographic Information System

| | | | |
|-------------------------------|--|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9957 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Citywide |
| Start/End Date: | 2015 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$8,616 | Urban Village: | 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).

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|--------------|--------------|----------|----------|----------|--------------|
| City Light Fund Revenues | 1,106 | 1,288 | 790 | 3,204 | 2,228 | - | - | - | 8,616 |
| Total: | 1,106 | 1,288 | 790 | 3,204 | 2,228 | - | - | - | 8,616 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,106 | 1,288 | 790 | 3,204 | 2,228 | - | - | - | 8,616 |
| Total: | 1,106 | 1,288 | 790 | 3,204 | 2,228 | - | - | - | 8,616 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Enterprise Software Solution Replacement Strategy

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9969 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | City Wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This project funds the upgrade or replacement of components of the Utility Technology Portfolio. Timely upgrades and replacements ensure that technology and enterprise level software resources are kept up to date and fully functional.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|
| City Light Fund Revenues | 7,929 | 13,988 | 11,082 | 14,653 | 10,829 | 11,628 | 14,567 | 7,523 | 92,199 |
| Total: | 7,929 | 13,988 | 11,082 | 14,653 | 10,829 | 11,628 | 14,567 | 7,523 | 92,199 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 7,929 | 13,988 | 11,082 | 14,653 | 10,829 | 11,628 | 14,567 | 7,523 | 92,199 |
| Total: | 7,929 | 13,988 | 11,082 | 14,653 | 10,829 | 11,628 | 14,567 | 7,523 | 92,199 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Environmental Claims

| | | | |
|-------------------------------|-------------------|-------------------------------|------------------------------------|
| Project No: | MC-CL-WC3133 | BSL Code: | BC-CL-W |
| Project Type: | Ongoing | BSL Name: | Conservation & Environmental - CIP |
| Project Category: | Improved Facility | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing project funds all environmental liability clean-up and remediation work on City Light owned and non-owned properties, whether voluntary or ordered by State or Federal environmental regulating agencies.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| City Light Fund Revenues | - | - | 11,637 | 11,642 | 11,647 | 11,652 | 11,658 | 11,663 | 69,898 |
| Total: | - | - | 11,637 | 11,642 | 11,647 | 11,652 | 11,658 | 11,663 | 69,898 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 11,637 | 11,642 | 11,647 | 11,652 | 11,658 | 11,663 | 69,898 |
| Total: | - | - | 11,637 | 11,642 | 11,647 | 11,652 | 11,658 | 11,663 | 69,898 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Environmental Safeguarding and Remediation of Facilities

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9152 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Outside City of Seattle |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides improvements to prevent air and water pollution at City Light facilities. Projects may 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|-----------|-----------|------------|-----------|-----------|-----------|--------------|
| City Light Fund Revenues | 664 | 190 | 72 | 66 | 132 | 30 | 31 | 40 | 1,227 |
| Total: | 664 | 190 | 72 | 66 | 132 | 30 | 31 | 40 | 1,227 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 664 | 190 | 72 | 66 | 132 | 30 | 31 | 40 | 1,227 |
| Total: | 664 | 190 | 72 | 66 | 132 | 30 | 31 | 40 | 1,227 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Equipment Fleet Replacement

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9101 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds the purchase of light-duty and heavy-duty mobile equipment fleet vehicles. This includes replacement of specialized fleet vehicles for electric utility use, as well as enhancements and additions of green alternatives such as electric powered vehicles.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| City Light Fund Revenues | 83,756 | 18,945 | 7,715 | 7,556 | 6,690 | 7,190 | 8,648 | 8,700 | 149,198 |
| Total: | 83,756 | 18,945 | 7,715 | 7,556 | 6,690 | 7,190 | 8,648 | 8,700 | 149,198 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 83,756 | 18,945 | 7,715 | 7,556 | 6,690 | 7,190 | 8,648 | 8,700 | 149,198 |
| Total: | 83,756 | 18,945 | 7,715 | 7,556 | 6,690 | 7,190 | 8,648 | 8,700 | 149,198 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Facilities Infrastructure Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9156 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|----------|----------|------------|--------------|
| City Light Fund Revenues | 4,418 | 73 | - | - | - | - | - | 104 | 4,595 |
| Total: | 4,418 | 73 | - | - | - | - | - | 104 | 4,595 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 4,418 | 73 | - | - | - | - | - | 104 | 4,595 |
| Total: | 4,418 | 73 | - | - | - | - | - | 104 | 4,595 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Facilities Regulatory Compliance

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XF9151 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 500 Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project is for the investigation of contamination and remediation, if necessary, of property that the utility is targeting for disposal.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|--------------|--------------|------------|------------|------------|------------|------------|------------|--------------|
| City Light Fund Revenues | 2,205 | 3,294 | 348 | 357 | 365 | 383 | 377 | 383 | 7,713 |
| Total: | 2,205 | 3,294 | 348 | 357 | 365 | 383 | 377 | 383 | 7,713 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,205 | 3,294 | 348 | 357 | 365 | 383 | 377 | 383 | 7,713 |
| Total: | 2,205 | 3,294 | 348 | 357 | 365 | 383 | 377 | 383 | 7,713 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

First Hill - Network

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8301 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 1100 Madison St |
| Current Project Stage: | N/A | Council District: | Council District 3 |
| Start/End Date: | N/A | Neighborhood District: | East District |
| Total Project Cost: | N/A | Urban Village: | First Hill/Capitol Hill |

This ongoing 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 17,391 | 1,641 | 3,620 | 3,648 | 3,676 | 2,834 | 3,550 | 3,895 | 40,256 |
| Total: | 17,391 | 1,641 | 3,620 | 3,648 | 3,676 | 2,834 | 3,550 | 3,895 | 40,256 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 17,391 | 1,641 | 3,620 | 3,648 | 3,676 | 2,834 | 3,550 | 3,895 | 40,256 |
| Total: | 17,391 | 1,641 | 3,620 | 3,648 | 3,676 | 2,834 | 3,550 | 3,895 | 40,256 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Fork Tolt License Mitigation

| | | | |
|-------------------------------|-------------------|-------------------------------|------------------------------------|
| Project No: | MC-CL-WC3131 | BSL Code: | BC-CL-W |
| Project Type: | Ongoing | BSL Name: | Conservation & Environmental - CIP |
| Project Category: | Improved Facility | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

This ongoing project funds activities related to the South Fork Tolt License Mitigation and Settlement Agreement from 1988 to 2028. Activities include but are not limited to spawning surveys and placement of woody debris.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|------------|------------|------------|------------|------------|------------|
| City Light Fund Revenues | - | - | 130 | 143 | 145 | 146 | 148 | 149 | 861 |
| Total: | - | - | 130 | 143 | 145 | 146 | 148 | 149 | 861 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 130 | 143 | 145 | 146 | 148 | 149 | 861 |
| Total: | - | - | 130 | 143 | 145 | 146 | 148 | 149 | 861 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Georgetown Steamplant Access Road

| | | | |
|-------------------------------|-------------------------------|-------------------------------|----------------------------------|
| Project No: | MC-CL-XF9233 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Off Wa 99 At King County Airport |
| Current Project Stage: | Stage 5 - Construction | Council District: | Council District 2 |
| Start/End Date: | 2015 - 2022 | Neighborhood District: | Greater Duwamish |
| Total Project Cost: | \$3,235 | Urban Village: | Greater Duwamish |

This project will design and construct a road and associated infrastructure for public access to the Georgetown Steam Plant. This work will be partially funded by King County, who initiated street development in 2000 that cut off access to the steam plant.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 282 | 1,475 | 1,478 | - | - | - | - | - | 3,235 |
| Total: | 282 | 1,475 | 1,478 | - | - | - | - | - | 3,235 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 282 | 1,475 | 1,478 | - | - | - | - | - | 3,235 |
| Total: | 282 | 1,475 | 1,478 | - | - | - | - | - | 3,235 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Gorge - 240V AC Station Service Switchgear Replacement

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------------|
| Project No: | MC-CL-XS6581 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 121 Stte Highway 20 |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2017 - 2021 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$2,230 | Urban Village: | Outside City of Seattle |

This project mitigates safety hazards at the Gorge and Diablo Powerhouses 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 1,553 | 677 | - | - | - | - | - | - | 2,230 |
| Total: | 1,553 | 677 | - | - | - | - | - | - | 2,230 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,553 | 677 | - | - | - | - | - | - | 2,230 |
| Total: | 1,553 | 677 | - | - | - | - | - | - | 2,230 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Gorge Crane Rehabilitation

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6639 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 121 State Highway 20 |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2021 - 2024 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$4,857 | Urban Village: | Not in an Urban Village |

This project refurbishes or replaces mechanical and electrical systems for the Gorge powerhouse cranes and will provide safety upgrades to comply with current code. The Gorge powerhouse crane has never undergone a major refurbishment. The three Gorge generating units are planned for overhauls within the next ten years, and will require a reliable crane. The crane control system is being modernized to allow for better control and accuracy.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|--------------|------------|------|------|------|--------------|
| City Light Fund Revenues | - | 224 | 397 | 4,092 | 145 | - | - | - | 4,857 |
| Total: | - | 224 | 397 | 4,092 | 145 | - | - | - | 4,857 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 224 | 397 | 4,092 | 145 | - | - | - | 4,857 |
| Total: | - | 224 | 397 | 4,092 | 145 | - | - | - | 4,857 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Gorge U21-24 overhauls

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|-------------------------------|
| Project No: | MC-CL-XS6640 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 121 State Highway 20 |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2023 - 2027 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$27,877 | Urban Village: | Not in an Urban Village |

This project overhauls Gorge units 21 - 24. The final scope of work will be determined during project chartering, but is expected to include replacing the stator winding, stator core, and excitation system. Refurbishment is expected for rotor components and other mechanical components. Planning is currently forecast to start in 2022 which would mean construction on the first unit would likely begin in 2025.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|--------------|--------------|---------------|---------------|
| City Light Fund Revenues | - | - | - | 100 | 876 | 7,199 | 9,239 | 10,463 | 27,877 |
| Total: | - | - | - | 100 | 876 | 7,199 | 9,239 | 10,463 | 27,877 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | - | 100 | 876 | 7,199 | 9,239 | 10,463 | 27,877 |
| Total: | - | - | - | 100 | 876 | 7,199 | 9,239 | 10,463 | 27,877 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Grid Modernization

| | | | |
|-------------------------------|-------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9510 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Improved Facility | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This project funds installation of technology and equipment to modernize the distribution grid, including distribution system sensors, automated and remote switches, and demand response systems. This project implements the Grid Modernization Plan and Roadmap, which describes the work needed to build a next-generation electric grid that can flexibly and cost-effectively absorb demand growth from electrification of buildings and transportation.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | - | - | 1,719 | 3,195 | 3,291 | 3,389 | 3,491 | 3,596 | 18,681 |
| Total: | - | - | 1,719 | 3,195 | 3,291 | 3,389 | 3,491 | 3,596 | 18,681 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 1,719 | 3,195 | 3,291 | 3,389 | 3,491 | 3,596 | 18,681 |
| Total: | - | - | 1,719 | 3,195 | 3,291 | 3,389 | 3,491 | 3,596 | 18,681 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Hydro Project Spill Containment

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-XP6530 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Outside City of Seattle |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

This ongoing project funds 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|----------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 2,606 | 430 | 215 | - | - | - | - | - | 3,251 |
| Total: | 2,606 | 430 | 215 | - | - | - | - | - | 3,251 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,606 | 430 | 215 | - | - | - | - | - | 3,251 |
| Total: | 2,606 | 430 | 215 | - | - | - | - | - | 3,251 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Interbay Substation - Development

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7756 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | 17th Ave West |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Council District 7 |
| Start/End Date: | 2019 - 2027 | Neighborhood District: | Magnolia/Queen Anne |
| Total Project Cost: | \$2,274 | Urban Village: | Ballard-Interbay Northend |

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 South Lake Union district that City Light will be able to serve their needs reliably.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|------------|------------|------------|------------|------------|--------------|
| City Light Fund Revenues | - | 251 | 247 | 301 | 309 | 316 | 335 | 516 | 2,274 |
| Total: | - | 251 | 247 | 301 | 309 | 316 | 335 | 516 | 2,274 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 251 | 247 | 301 | 309 | 316 | 335 | 516 | 2,274 |
| Total: | - | 251 | 247 | 301 | 309 | 316 | 335 | 516 | 2,274 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

IT Infrastructure

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZF9915 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 6 | - | 98 | 98 | 98 | 98 | 98 | - | 494 |
| Total: | 6 | - | 98 | 98 | 98 | 98 | 98 | - | 494 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 6 | - | 98 | 98 | 98 | 98 | 98 | - | 494 |
| Total: | 6 | - | 98 | 98 | 98 | 98 | 98 | - | 494 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

IT Security Upgrades

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZF9960 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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 City Light locations.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | - | 881 | 636 | 651 | 657 | 651 | 848 | 637 | 4,960 |
| Total: | - | 881 | 636 | 651 | 657 | 651 | 848 | 637 | 4,960 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 881 | 636 | 651 | 657 | 651 | 848 | 637 | 4,960 |
| Total: | - | 881 | 636 | 651 | 657 | 651 | 848 | 637 | 4,960 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Landis and Gyr RTU Modernization Boundary, Cedar Falls and Skagit

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|---|
| Project No: | MC-CL-XB6565 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Boundary, Skagit and Cedar Falls power facilities |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2025 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$3,209 | Urban Village: | Not in an Urban Village |

This project provides the installation of new remote temperature monitoring equipment at the Boundary, Skagit and Cedar Falls power facilities.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|-------------|--------------|------------|------------|--------------|------------|------|------|--------------|
| City Light Fund Revenues | - | 467 | 520 | 830 | 1,169 | 223 | - | - | 3,209 |
| Total: | - | 467 | 520 | 830 | 1,169 | 223 | - | - | 3,209 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 467 | 520 | 830 | 1,169 | 223 | - | - | 3,209 |
| Total: | - | 467 | 520 | 830 | 1,169 | 223 | - | - | 3,209 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Large Overhead and Underground Services

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8365 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides large size electric power service connections from City Light's distribution system to the customer's meter for power requirements of greater than 3 MVA and 26 kV radial services. The project allows 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. The cost of some of this work is generally reimbursed by the requesting customer.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 33,312 | 3,256 | 3,371 | 3,427 | 3,484 | 3,543 | 3,602 | 3,662 | 57,658 |
| Total: | 33,312 | 3,256 | 3,371 | 3,427 | 3,484 | 3,543 | 3,602 | 3,662 | 57,658 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 33,312 | 3,256 | 3,371 | 3,427 | 3,484 | 3,543 | 3,602 | 3,662 | 57,658 |
| Total: | 33,312 | 3,256 | 3,371 | 3,427 | 3,484 | 3,543 | 3,602 | 3,662 | 57,658 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

LRDS Editor Upgrade

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9977 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Citywide |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Multiple |
| Start/End Date: | 2018 - 2023 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$4,178 | Urban Village: | Not in an Urban Village |

This project funds the LRDS (Looped Radial Distribution System) ArcFM Editor Upgrade which will replace a Seattle City Light production software system that is at end of life.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|------------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 10 | 3,433 | 464 | 271 | - | - | - | - | 4,178 |
| Total: | 10 | 3,433 | 464 | 271 | - | - | - | - | 4,178 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 10 | 3,433 | 464 | 271 | - | - | - | - | 4,178 |
| Total: | 10 | 3,433 | 464 | 271 | - | - | - | - | 4,178 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Major Emergency

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8380 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 20,693 | 2,939 | 2,885 | 2,928 | 2,971 | 3,015 | 3,060 | 2,819 | 41,311 |
| Total: | 20,693 | 2,939 | 2,885 | 2,928 | 2,971 | 3,015 | 3,060 | 2,819 | 41,311 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 20,693 | 2,939 | 2,885 | 2,928 | 2,971 | 3,015 | 3,060 | 2,819 | 41,311 |
| Total: | 20,693 | 2,939 | 2,885 | 2,928 | 2,971 | 3,015 | 3,060 | 2,819 | 41,311 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Maritime Transportation Electrification

| | | | |
|-------------------------------|----------------|-------------------------------|--|
| Project No: | MC-CL-ZS8520 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Investment | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Council District 7, Council District 1 |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

The ongoing program will plan, design, procure, construct, and commission large City Light capital investment projects to deliver infrastructure required to meet electrification, environmental justice, and/or sustainability goals and mandates and customer demand associated with Maritime Transportation (MARTEP). MARTEP Projects stem from public and private maritime transportation efforts to transition from emission-based energy sources to City Light electrical service and that requires City Light to design and construct new infrastructure.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | - | - | 300 | 2,000 | 2,000 | 2,000 | 7,000 | 4,000 | 17,300 |
| Total: | - | - | 300 | 2,000 | 2,000 | 2,000 | 7,000 | 4,000 | 17,300 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 300 | 2,000 | 2,000 | 2,000 | 7,000 | 4,000 | 17,300 |
| Total: | - | - | 300 | 2,000 | 2,000 | 2,000 | 7,000 | 4,000 | 17,300 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Massachusetts Street Substation - Networks

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8202 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | 1555 Utah Ave S |
| Current Project Stage: | N/A | Council District: | Council District 2 |
| Start/End Date: | N/A | Neighborhood District: | Greater Duwamish |
| Total Project Cost: | N/A | Urban Village: | Greater 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 and construction work required to improve and enhance the network system supporting existing and neat future network customers in the areas. 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 42,824 | 2,205 | 3,164 | 3,359 | 3,404 | 3,341 | 4,176 | 3,649 | 66,122 |
| Total: | 42,824 | 2,205 | 3,164 | 3,359 | 3,404 | 3,341 | 4,176 | 3,649 | 66,122 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 42,824 | 2,205 | 3,164 | 3,359 | 3,404 | 3,341 | 4,176 | 3,649 | 66,122 |
| Total: | 42,824 | 2,205 | 3,164 | 3,359 | 3,404 | 3,341 | 4,176 | 3,649 | 66,122 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Medium Overhead and Underground Services

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8366 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides engineering and installation of radial electric power service connections with medium-sized power requirements of 50 KVA to 2.5 MVA and 26 kV. The cost of some of this work is generally reimbursed by the requesting customer.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| City Light Fund Revenues | 185,999 | 16,556 | 19,508 | 19,008 | 19,322 | 20,483 | 18,820 | 19,164 | 318,860 |
| Total: | 185,999 | 16,556 | 19,508 | 19,008 | 19,322 | 20,483 | 18,820 | 19,164 | 318,860 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 185,999 | 16,556 | 19,508 | 19,008 | 19,322 | 20,483 | 18,820 | 19,164 | 318,860 |
| Total: | 185,999 | 16,556 | 19,508 | 19,008 | 19,322 | 20,483 | 18,820 | 19,164 | 318,860 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Meter Additions

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8054 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 50,392 | 5,412 | 3,830 | 3,938 | 3,966 | 4,036 | 4,105 | 4,464 | 80,144 |
| Total: | 50,392 | 5,412 | 3,830 | 3,938 | 3,966 | 4,036 | 4,105 | 4,464 | 80,144 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 50,392 | 5,412 | 3,830 | 3,938 | 3,966 | 4,036 | 4,105 | 4,464 | 80,144 |
| Total: | 50,392 | 5,412 | 3,830 | 3,938 | 3,966 | 4,036 | 4,105 | 4,464 | 80,144 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Miscellaneous Building Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9007 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds improvements to City Light's buildings and facilities. The project provides cost effective asset preservation measures, and funds projects that allow City Lighty to meet safety and health code requirements.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 12,665 | 1,083 | - | - | - | - | - | - | 13,748 |
| Total: | 12,665 | 1,083 | - | - | - | - | - | - | 13,748 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 12,665 | 1,083 | - | - | - | - | - | - | 13,748 |
| Total: | 12,665 | 1,083 | - | - | - | - | - | - | 13,748 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Mobile Workforce Implementation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8429 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | Citywide |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Citywide |
| Start/End Date: | 2017 - 2027 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$9,965 | Urban Village: | Not in an Urban Village |

This project provides mobile communication and computing equipment for 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|--------------|--------------|------------|----------|--------------|
| City Light Fund Revenues | 411 | 4,232 | - | - | 2,154 | 2,208 | 961 | - | 9,965 |
| Total: | 411 | 4,232 | - | - | 2,154 | 2,208 | 961 | - | 9,965 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 411 | 4,232 | - | - | 2,154 | 2,208 | 961 | - | 9,965 |
| Total: | 411 | 4,232 | - | - | 2,154 | 2,208 | 961 | - | 9,965 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Network Additions and Services - Denny

| | | | |
|-------------------------------|--------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZS8405 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | Valley Street |
| Current Project Stage: | N/A | Council District: | TBD |
| Start/End Date: | N/A | Neighborhood District: | Lake Union |
| Total Project Cost: | N/A | Urban Village: | 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 tie- switches.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 16,003 | 12,805 | 6,057 | 5,791 | 5,872 | 5,955 | 5,776 | 6,430 | 64,689 |
| Total: | 16,003 | 12,805 | 6,057 | 5,791 | 5,872 | 5,955 | 5,776 | 6,430 | 64,689 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 16,003 | 12,805 | 6,057 | 5,791 | 5,872 | 5,955 | 5,776 | 6,430 | 64,689 |
| Total: | 16,003 | 12,805 | 6,057 | 5,791 | 5,872 | 5,955 | 5,776 | 6,430 | 64,689 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Network Additions and Services: Broad Street Substation

| | | | |
|-------------------------------|--------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZS8363 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | 319 6th AV N |
| Current Project Stage: | N/A | Council District: | Council District 7 |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing project provides electrical service connections, capacity additions, and related improvements in response to customer service requests within the Broad Street network area. The project also funds replacement or installation of network transformers, network protectors and specialty transformers, or in-building vault retrofits or other short duration system improvement needs that may be identified during construction.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|---------------|---------------|--------------|---------------|---------------|---------------|----------------|
| City Light Fund Revenues | 104,731 | 11,163 | 10,901 | 10,901 | 9,983 | 10,161 | 10,640 | 11,152 | 179,633 |
| Total: | 104,731 | 11,163 | 10,901 | 10,901 | 9,983 | 10,161 | 10,640 | 11,152 | 179,633 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 104,731 | 11,163 | 10,901 | 10,901 | 9,983 | 10,161 | 10,640 | 11,152 | 179,633 |
| Total: | 104,731 | 11,163 | 10,901 | 10,901 | 9,983 | 10,161 | 10,640 | 11,152 | 179,633 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Network Additions and Services: First Hill, Massachusetts, Union & University

| | | | |
|-------------------------------|--------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZS8364 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | 1555 Utah AV S |
| Current Project Stage: | N/A | Council District: | Council District 2 |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 63,856 | 4,035 | 3,903 | 4,169 | 3,961 | 4,054 | 4,127 | 4,422 | 92,528 |
| Total: | 63,856 | 4,035 | 3,903 | 4,169 | 3,961 | 4,054 | 4,127 | 4,422 | 92,528 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 63,856 | 4,035 | 3,903 | 4,169 | 3,961 | 4,054 | 4,127 | 4,422 | 92,528 |
| Total: | 63,856 | 4,035 | 3,903 | 4,169 | 3,961 | 4,054 | 4,127 | 4,422 | 92,528 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Network Hazeltine Upgrade

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8129 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project upgrades City Light's remote vault monitoring capability for the Digital Grid system (formerly Hazeltine system). The project consists of substation receivers, workstations, applications, server pairs and alarm PCs. The project provides remote monitoring of network transformers, protectors, vaults, and supports daily utility operations. The project enhances the network monitoring capability by allowing a real time alarm and an event generated from the field to be processed and sent to the alarm PCs of an abnormal electrical component or environmental condition occurrence. The most crucial alarm PC is situated in the System Control Center where it is monitored by with Power Dispatchers 24/7.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 7,641 | 526 | 539 | 548 | 546 | 550 | 671 | 762 | 11,784 |
| Total: | 7,641 | 526 | 539 | 548 | 546 | 550 | 671 | 762 | 11,784 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 7,641 | 526 | 539 | 548 | 546 | 550 | 671 | 762 | 11,784 |
| Total: | 7,641 | 526 | 539 | 548 | 546 | 550 | 671 | 762 | 11,784 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Network Maintenance Hole and Vault Rebuild

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8130 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 40,470 | 2,648 | 1,852 | 1,836 | 1,860 | 1,873 | 2,326 | 2,288 | 55,153 |
| Total: | 40,470 | 2,648 | 1,852 | 1,836 | 1,860 | 1,873 | 2,326 | 2,288 | 55,153 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 40,470 | 2,648 | 1,852 | 1,836 | 1,860 | 1,873 | 2,326 | 2,288 | 55,153 |
| Total: | 40,470 | 2,648 | 1,852 | 1,836 | 1,860 | 1,873 | 2,326 | 2,288 | 55,153 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

New Customer Information System

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZC9937 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 700 5th Avenue |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Council District 3 |
| Start/End Date: | 2015 - 2023 | Neighborhood District: | Downtown |
| Total Project Cost: | \$66,849 | Urban Village: | Downtown |

This project provides upgrades to the Customer Information System known as the Utility Self Service Portal that serves customers of both Seattle Public Utilities and City Light. This project empowers the customer to utilize real-time, self-serve options that improves engagement between the utilities and customers, enhances web presence, and enables both customer-facing and internal process efficiencies.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 62,208 | 1,532 | 3,109 | - | - | - | - | - | 66,849 |
| Total: | 62,208 | 1,532 | 3,109 | - | - | - | - | - | 66,849 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 62,208 | 1,532 | 3,109 | - | - | - | - | - | 66,849 |
| Total: | 62,208 | 1,532 | 3,109 | - | - | - | - | - | 66,849 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Newhalem - Generator 20/Support Facility Rebuild

| | | | |
|-------------------------------|--|-------------------------------|--|
| Project No: | MC-CL-XS6479 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 500 Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Outside City of Seattle |
| Start/End Date: | 2011 - 2027 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$8,755 | Urban Village: | Not in an Urban Village |

This project provides rehabilitation of 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|
| City Light Fund Revenues | 5,933 | 540 | 50 | 50 | 337 | 340 | 317 | 1,188 | 8,755 |
| Total: | 5,933 | 540 | 50 | 50 | 337 | 340 | 317 | 1,188 | 8,755 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 5,933 | 540 | 50 | 50 | 337 | 340 | 317 | 1,188 | 8,755 |
| Total: | 5,933 | 540 | 50 | 50 | 337 | 340 | 317 | 1,188 | 8,755 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Normal Emergency

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8379 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 16,250 | 1,379 | 687 | 698 | 710 | 721 | 733 | 745 | 21,922 |
| Total: | 16,250 | 1,379 | 687 | 698 | 710 | 721 | 733 | 745 | 21,922 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 16,250 | 1,379 | 687 | 698 | 710 | 721 | 733 | 745 | 21,922 |
| Total: | 16,250 | 1,379 | 687 | 698 | 710 | 721 | 733 | 745 | 21,922 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Office Furniture and Equipment Replacement

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9103 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides renovations of office space and capital replacement of office equipment, including modular office workstations, conference room ensemble furniture, flexible group workspaces, and major office machines. Improvements will enhance worker safety, with improved light, airflow, and ergonomics, as well as enhance productivity and team collaboration. This project also supports the City's Space Reduction Pilot, which aims to reduce the utility's footprint in the downtown core by 25% to achieve cost efficiencies.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|------------|------------|------------|---------------|
| City Light Fund Revenues | 2,929 | 745 | 8,521 | 8,855 | 7,711 | 750 | 747 | 942 | 31,200 |
| Total: | 2,929 | 745 | 8,521 | 8,855 | 7,711 | 750 | 747 | 942 | 31,200 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,929 | 745 | 8,521 | 8,855 | 7,711 | 750 | 747 | 942 | 31,200 |
| Total: | 2,929 | 745 | 8,521 | 8,855 | 7,711 | 750 | 747 | 942 | 31,200 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Outage Management System Phase II Implementation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9967 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Citywide |
| Current Project Stage: | Stage 3 - Design | Council District: | Multiple |
| Start/End Date: | 2017 - 2023 | Neighborhood District: | Multiple |
| Total Project Cost: | \$11,678 | Urban Village: | Multiple |

This project funds City Light's Outage Management System (OMS) upgrade in order to maintain its availability to 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|--------------|--------------|------|------|------|------|---------------|
| City Light Fund Revenues | - | 6,195 | 2,203 | 3,280 | - | - | - | - | 11,678 |
| Total: | - | 6,195 | 2,203 | 3,280 | - | - | - | - | 11,678 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 6,195 | 2,203 | 3,280 | - | - | - | - | 11,678 |
| Total: | - | 6,195 | 2,203 | 3,280 | - | - | - | - | 11,678 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Overhead 26kV Conversion

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8358 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 18,050 | 1,777 | 1,053 | 819 | 857 | 884 | 770 | 846 | 25,056 |
| Total: | 18,050 | 1,777 | 1,053 | 819 | 857 | 884 | 770 | 846 | 25,056 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 18,050 | 1,777 | 1,053 | 819 | 857 | 884 | 770 | 846 | 25,056 |
| Total: | 18,050 | 1,777 | 1,053 | 819 | 857 | 884 | 770 | 846 | 25,056 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Overhead and Underground Relocations

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZT8369 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides relocation of electrical lines to accommodate or take advantage of transportation-related projects, street vacations, or other projects initiated by outside agencies such as SDOT, WSDOT, or suburban municipalities. Work includes modifications to the distribution system, including replacement or modifications of line segments, poles, and underground facilities. Some costs may be reimbursable by the requesting outside agencies

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 25,681 | 5,669 | 4,080 | 9,505 | 7,720 | 5,497 | 5,725 | 4,608 | 68,486 |
| Total: | 25,681 | 5,669 | 4,080 | 9,505 | 7,720 | 5,497 | 5,725 | 4,608 | 68,486 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 25,681 | 5,669 | 4,080 | 9,505 | 7,720 | 5,497 | 5,725 | 4,608 | 68,486 |
| Total: | 25,681 | 5,669 | 4,080 | 9,505 | 7,720 | 5,497 | 5,725 | 4,608 | 68,486 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Overhead Customer Driven Capacity Additions

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8355 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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 may replace 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 50,807 | 2,675 | 2,579 | 2,617 | 2,656 | 2,695 | 2,611 | 2,776 | 69,415 |
| Total: | 50,807 | 2,675 | 2,579 | 2,617 | 2,656 | 2,695 | 2,611 | 2,776 | 69,415 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 50,807 | 2,675 | 2,579 | 2,617 | 2,656 | 2,695 | 2,611 | 2,776 | 69,415 |
| Total: | 50,807 | 2,675 | 2,579 | 2,617 | 2,656 | 2,695 | 2,611 | 2,776 | 69,415 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Overhead Equipment Replacements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8351 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project replaces overhead distribution equipment nearing the end of its usable life, is overloaded, or no longer has an available supply of spare parts. These items include, but are not limited to, poles, cross-arms, transformers, and open-wire secondaries.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| City Light Fund Revenues | 171,720 | 26,090 | 48,718 | 52,969 | 42,851 | 43,699 | 44,313 | 21,990 | 452,349 |
| Total: | 171,720 | 26,090 | 48,718 | 52,969 | 42,851 | 43,699 | 44,313 | 21,990 | 452,349 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 171,720 | 26,090 | 48,718 | 52,969 | 42,851 | 43,699 | 44,313 | 21,990 | 452,349 |
| Total: | 171,720 | 26,090 | 48,718 | 52,969 | 42,851 | 43,699 | 44,313 | 21,990 | 452,349 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Overhead Outage Replacements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8350 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 3,804 | 1,146 | 1,043 | 1,060 | 1,077 | 1,095 | 1,113 | 1,131 | 11,469 |
| Total: | 3,804 | 1,146 | 1,043 | 1,060 | 1,077 | 1,095 | 1,113 | 1,131 | 11,469 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,804 | 1,146 | 1,043 | 1,060 | 1,077 | 1,095 | 1,113 | 1,131 | 11,469 |
| Total: | 3,804 | 1,146 | 1,043 | 1,060 | 1,077 | 1,095 | 1,113 | 1,131 | 11,469 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Overhead System Capacity Additions

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8356 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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 may pay for some of this work.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 46,081 | 3,563 | 2,260 | 2,293 | 2,328 | 2,363 | 2,399 | 2,435 | 63,722 |
| Total: | 46,081 | 3,563 | 2,260 | 2,293 | 2,328 | 2,363 | 2,399 | 2,435 | 63,722 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 46,081 | 3,563 | 2,260 | 2,293 | 2,328 | 2,363 | 2,399 | 2,435 | 63,722 |
| Total: | 46,081 | 3,563 | 2,260 | 2,293 | 2,328 | 2,363 | 2,399 | 2,435 | 63,722 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

PCB Tracking and Condition Assessment Project

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR9974 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

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. This project was formerly known as "Asset Condition Assessment and Test Tracking System."

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | - | 558 | 300 | 210 | 215 | - | - | - | 1,284 |
| Total: | - | 558 | 300 | 210 | 215 | - | - | - | 1,284 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 558 | 300 | 210 | 215 | - | - | - | 1,284 |
| Total: | - | 558 | 300 | 210 | 215 | - | - | - | 1,284 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Pole Attachments

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8452 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds preparing poles for the attachment of communication infrastructure owned by other entities. The construction costs associated with this work are typically fully reimbursable and attachments generate ongoing revenues through pole attachment rental fees.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| City Light Fund Revenues | 61,805 | 20,452 | 16,057 | 17,064 | 17,209 | 17,186 | 17,509 | 17,485 | 184,767 |
| Total: | 61,805 | 20,452 | 16,057 | 17,064 | 17,209 | 17,186 | 17,509 | 17,485 | 184,767 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 61,805 | 20,452 | 16,057 | 17,064 | 17,209 | 17,186 | 17,509 | 17,485 | 184,767 |
| Total: | 61,805 | 20,452 | 16,057 | 17,064 | 17,209 | 17,186 | 17,509 | 17,485 | 184,767 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Power Production - Network Controls

| | | | |
|-------------------------------|--------------|-------------------------------|--|
| Project No: | MC-CL-XP6385 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Facility | Location: | 500 Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | 2007 - 2023 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|--------------|-------------|-------------|---------------|
| City Light Fund Revenues | 8,622 | 19 | 158 | 305 | 919 | 1,090 | 269 | 921 | 12,302 |
| Total: | 8,622 | 19 | 158 | 305 | 919 | 1,090 | 269 | 921 | 12,302 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 8,622 | 19 | 158 | 305 | 919 | 1,090 | 269 | 921 | 12,302 |
| Total: | 8,622 | 19 | 158 | 305 | 919 | 1,090 | 269 | 921 | 12,302 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

RCOS Power Plant Controller Replacement

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9948 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Investment | Location: | System Wide |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Multiple |
| Start/End Date: | 2020 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$4,560 | Urban Village: | Not in an Urban Village |

This project replaces the existing end of life Operational Technology (OT) computer system that provides generating unit supervisory control and data acquisition (SCADA) at each of 9 City Light power plants in conjunction with the City Light System Operations Center (SOC) for customer load and power market operation.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 995 | 3,565 | - | - | - | - | - | - | 4,560 |
| Total: | 995 | 3,565 | - | - | - | - | - | - | 4,560 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 995 | 3,565 | - | - | - | - | - | - | 4,560 |
| Total: | 995 | 3,565 | - | - | - | - | - | - | 4,560 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Relaying Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7753 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 49,908 | 4,711 | 5,105 | 5,531 | 5,616 | 5,372 | 5,283 | 6,588 | 88,115 |
| Total: | 49,908 | 4,711 | 5,105 | 5,531 | 5,616 | 5,372 | 5,283 | 6,588 | 88,115 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 49,908 | 4,711 | 5,105 | 5,531 | 5,616 | 5,372 | 5,283 | 6,588 | 88,115 |
| Total: | 49,908 | 4,711 | 5,105 | 5,531 | 5,616 | 5,372 | 5,283 | 6,588 | 88,115 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Replace Breakers BPA Covington and Maple Valley Substations

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7121 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Kent |
| Current Project Stage: | N/A | Council District: | TBD |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 546 | 44 | 11 | 12 | 12 | 12 | 11 | - | 648 |
| Total: | 546 | 44 | 11 | 12 | 12 | 12 | 11 | - | 648 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 546 | 44 | 11 | 12 | 12 | 12 | 11 | - | 648 |
| Total: | 546 | 44 | 11 | 12 | 12 | 12 | 11 | - | 648 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Ross - Exciters 41-44

| | | | |
|-------------------------------|--|-------------------------------|-------------------------|
| Project No: | MC-CL-XS6564 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Ross Powehouse |
| Current Project Stage: | Stage 2 - Initiation, Project Definition, & Planning | Council District: | Outside City of Seattle |
| Start/End Date: | 2018 - 2026 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$4,064 | Urban Village: | Outside City of Seattle |

This project replaces the excitation systems for the four Ross generating units.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|--------------|--------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 5 | 341 | 756 | 1,666 | 1,163 | 133 | - | - | 4,064 |
| Total: | 5 | 341 | 756 | 1,666 | 1,163 | 133 | - | - | 4,064 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 5 | 341 | 756 | 1,666 | 1,163 | 133 | - | - | 4,064 |
| Total: | 5 | 341 | 756 | 1,666 | 1,163 | 133 | - | - | 4,064 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Ross - Governors

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-XS6562 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Ross Powehouse |
| Current Project Stage: | Stage 5 - Construction | Council District: | Outside City of Seattle |
| Start/End Date: | 2015 - 2022 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$5,688 | Urban Village: | Outside City of Seattle |

This project replaces governor controls on all four of the Ross Powerhouse generating units.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 3,625 | 1,968 | 95 | - | - | - | - | - | 5,688 |
| Total: | 3,625 | 1,968 | 95 | - | - | - | - | - | 5,688 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,625 | 1,968 | 95 | - | - | - | - | - | 5,688 |
| Total: | 3,625 | 1,968 | 95 | - | - | - | - | - | 5,688 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Ross Dam - AC/DC Distribution System Upgrade

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6373 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 128 State Highway 20 |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2005 - 2028 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$17,164 | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 4,178 | 1,311 | 776 | 1,595 | 1,754 | 1,747 | 1,747 | 4,056 | 17,164 |
| Total: | 4,178 | 1,311 | 776 | 1,595 | 1,754 | 1,747 | 1,747 | 4,056 | 17,164 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 4,178 | 1,311 | 776 | 1,595 | 1,754 | 1,747 | 1,747 | 4,056 | 17,164 |
| Total: | 4,178 | 1,311 | 776 | 1,595 | 1,754 | 1,747 | 1,747 | 4,056 | 17,164 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Safety Modifications

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9006 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides facility modifications and equipment to address imminent and critical safety needs. The project includes physical upgrades and revisions to systems, equipment, properties, and facilities, as needed to comply with safety regulations and best practices for a safe, efficient, and secure work environment.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 4,927 | 3,456 | 1,701 | 701 | 701 | 701 | 713 | 893 | 13,793 |
| Total: | 4,927 | 3,456 | 1,701 | 701 | 701 | 701 | 713 | 893 | 13,793 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 4,927 | 3,456 | 1,701 | 701 | 701 | 701 | 713 | 893 | 13,793 |
| Total: | 4,927 | 3,456 | 1,701 | 701 | 701 | 701 | 713 | 893 | 13,793 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Seattle Waterfront Streetlight Installation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZL8481 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 1312 Western AVE |
| Current Project Stage: | Stage 5 - Construction | Council District: | Council District 7 |
| Start/End Date: | 2017 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$13,204 | Urban Village: | Not in an Urban Village |

This project funds new streetlights in the Seattle Waterfront area. The redevelopment of the Seattle Waterfront follows the Alaskan Way Viaduct replacement and is led by the Office of the Waterfront.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|----------|----------|----------|----------|----------|---------------|
| City Light Fund Revenues | 1,681 | 5,139 | 6,385 | - | - | - | - | - | 13,204 |
| Total: | 1,681 | 5,139 | 6,385 | - | - | - | - | - | 13,204 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,681 | 5,139 | 6,385 | - | - | - | - | - | 13,204 |
| Total: | 1,681 | 5,139 | 6,385 | - | - | - | - | - | 13,204 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Security Improvements

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9202 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project 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 to improve security at critical facilities that house command and control systems. It enhances reliability of the power system, 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 30,169 | 8,352 | 2,326 | 1,414 | 1,406 | 1,406 | 2,003 | 2,575 | 49,652 |
| Total: | 30,169 | 8,352 | 2,326 | 1,414 | 1,406 | 1,406 | 2,003 | 2,575 | 49,652 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 30,169 | 8,352 | 2,326 | 1,414 | 1,406 | 1,406 | 2,003 | 2,575 | 49,652 |
| Total: | 30,169 | 8,352 | 2,326 | 1,414 | 1,406 | 1,406 | 2,003 | 2,575 | 49,652 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Seismic Mitigation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9134 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Outside City of Seattle |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|--------------|------------|------------|------------|--------------|---------------|
| City Light Fund Revenues | 7,234 | 4,747 | - | 1,002 | 902 | 862 | 900 | 1,141 | 16,787 |
| Total: | 7,234 | 4,747 | - | 1,002 | 902 | 862 | 900 | 1,141 | 16,787 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 7,234 | 4,747 | - | 1,002 | 902 | 862 | 900 | 1,141 | 16,787 |
| Total: | 7,234 | 4,747 | - | 1,002 | 902 | 862 | 900 | 1,141 | 16,787 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Service Center Facility Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9107 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Outside City of Seattle |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds the purchase of light-duty and heavy-duty mobile equipment fleet vehicles. This includes replacement of specialized fleet vehicles for electric utility use, as well as enhancements and additions of green alternatives such as electric powered vehicles.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 14,173 | 2,269 | 5,686 | 100 | 200 | 200 | 205 | 257 | 23,090 |
| Total: | 14,173 | 2,269 | 5,686 | 100 | 200 | 200 | 205 | 257 | 23,090 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 14,173 | 2,269 | 5,686 | 100 | 200 | 200 | 205 | 257 | 23,090 |
| Total: | 14,173 | 2,269 | 5,686 | 100 | 200 | 200 | 205 | 257 | 23,090 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit - Babcock Creek Crossing

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XS6514 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | Stage 3 - Design | Council District: | Outside City of Seattle |
| Start/End Date: | 2015 - 2028 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$935 | Urban Village: | Outside City of Seattle |

This project provides 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|----------|----------|----------|----------|------------|------------|------------|
| City Light Fund Revenues | 263 | 1 | - | - | - | - | 114 | 558 | 935 |
| Total: | 263 | 1 | - | - | - | - | 114 | 558 | 935 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 263 | 1 | - | - | - | - | 114 | 558 | 935 |
| Total: | 263 | 1 | - | - | - | - | 114 | 558 | 935 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit - Boat Facility Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XS6540 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

This project provides design and construction of several new structures to support industrial and recreational boat operations on our Skagit reservoirs. Structures include a new tour dock, new dry dock, additions to the existing boat houses and a new barge landing in Diablo. The project provides 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 3,451 | 981 | 290 | - | - | 567 | - | - | 5,290 |
| Total: | 3,451 | 981 | 290 | - | - | 567 | - | - | 5,290 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,451 | 981 | 290 | - | - | 567 | - | - | 5,290 |
| Total: | 3,451 | 981 | 290 | - | - | 567 | - | - | 5,290 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit - DC Battery System

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6583 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project replaces the existing DC battery banks at the Skagit project.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 3,141 | 951 | 39 | 59 | 416 | 727 | 684 | - | 6,018 |
| Total: | 3,141 | 951 | 39 | 59 | 416 | 727 | 684 | - | 6,018 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,141 | 951 | 39 | 59 | 416 | 727 | 684 | - | 6,018 |
| Total: | 3,141 | 951 | 39 | 59 | 416 | 727 | 684 | - | 6,018 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit - Relicensing

| | | | |
|-------------------------------|----------------|-------------------------------|--|
| Project No: | MC-CL-XS6986 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Investment | Location: | Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|---------------|--------------|--------------|--------------|--------------|-------------|---------------|
| City Light Fund Revenues | 12,490 | 15,264 | 41,522 | 7,350 | 4,505 | 4,425 | 1,072 | - | 86,626 |
| Total: | 12,490 | 15,264 | 41,522 | 7,350 | 4,505 | 4,425 | 1,072 | - | 86,626 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 12,490 | 15,264 | 41,522 | 7,350 | 4,505 | 4,425 | 1,072 | - | 86,626 |
| Total: | 12,490 | 15,264 | 41,522 | 7,350 | 4,505 | 4,425 | 1,072 | - | 86,626 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit - Sewer System Rehabilitation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6232 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Milepost 126 State Highway 20 |
| Current Project Stage: | Stage 5 - Construction | Council District: | Outside City of Seattle |
| Start/End Date: | 2015 - 2023 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$5,685 | Urban Village: | Not in an Urban Village |

This project funds the replacement or repairs of numerous sewer pipe breaks, leaks, and sags in the combined Skagit River sewer/drainage collection system, located at the Diablo Dam site and also provides major renovations to the aging Newhalem wastewater treatment plant. This project eliminates potential overloads in the sewage treatment plant that can cause pollution of the Skagit River and surrounding soil contamination.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|------------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 4,979 | - | 161 | 544 | - | - | - | - | 5,685 |
| Total: | 4,979 | - | 161 | 544 | - | - | - | - | 5,685 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 4,979 | - | 161 | 544 | - | - | - | - | 5,685 |
| Total: | 4,979 | - | 161 | 544 | - | - | - | - | 5,685 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit Facilities Plan

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XS6520 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | 2010 - 2021 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|--------------|--------------|------------|------------|----------|----------|----------|----------|--------------|
| City Light Fund Revenues | 4,435 | 1,062 | 817 | 600 | - | - | - | - | 6,915 |
| Total: | 4,435 | 1,062 | 817 | 600 | - | - | - | - | 6,915 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 4,435 | 1,062 | 817 | 600 | - | - | - | - | 6,915 |
| Total: | 4,435 | 1,062 | 817 | 600 | - | - | - | - | 6,915 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit Facilities Plan Phase 2

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6521 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2026 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project upgrades and replaces several facilities that support power generation at the Skagit including a new security office, employee housing, upgraded maintenance shops and emergency facilities.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|-----------|------------|--------------|--------------|------------|------------|--------------|
| City Light Fund Revenues | 43 | 176 | 64 | 287 | 1,125 | 1,000 | 500 | 940 | 4,135 |
| Total: | 43 | 176 | 64 | 287 | 1,125 | 1,000 | 500 | 940 | 4,135 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 43 | 176 | 64 | 287 | 1,125 | 1,000 | 500 | 940 | 4,135 |
| Total: | 43 | 176 | 64 | 287 | 1,125 | 1,000 | 500 | 940 | 4,135 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit Facility - Minor Improvements Program

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XS6405 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 500 Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 35,220 | 5,472 | 2,468 | 6,593 | 8,920 | 5,822 | 3,531 | 6,901 | 74,928 |
| Total: | 35,220 | 5,472 | 2,468 | 6,593 | 8,920 | 5,822 | 3,531 | 6,901 | 74,928 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 35,220 | 5,472 | 2,468 | 6,593 | 8,920 | 5,822 | 3,531 | 6,901 | 74,928 |
| Total: | 35,220 | 5,472 | 2,468 | 6,593 | 8,920 | 5,822 | 3,531 | 6,901 | 74,928 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit Facility Conservation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|---|
| Project No: | MC-CL-XS6515 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Newhalem Creek Rd, Marblemount WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|-----------|--------------|------------|----------|----------|--------------|
| City Light Fund Revenues | 697 | 530 | 484 | 52 | 1,866 | 305 | 2 | - | 3,936 |
| Total: | 697 | 530 | 484 | 52 | 1,866 | 305 | 2 | - | 3,936 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 697 | 530 | 484 | 52 | 1,866 | 305 | 2 | - | 3,936 |
| Total: | 697 | 530 | 484 | 52 | 1,866 | 305 | 2 | - | 3,936 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit License 1995

| | | | |
|-------------------------------|-------------------|-------------------------------|------------------------------------|
| Project No: | MC-CL-WC3125 | BSL Code: | BC-CL-W |
| Project Type: | Ongoing | BSL Name: | Conservation & Environmental - CIP |
| Project Category: | Improved Facility | Location: | |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Outside City of Seattle |

This project funds the License Settlement Agreement for the 1995 Skagit License including activities such as fisheries, wildlife, North Cascades Environmental Learning Center, Recreation, Skagit ROW Veg Mgmt., Erosion, Plant Propagation, Historic Properties, Archaeological MOAs, Powerhouse NPDES, Aesthetics Agreement and Visual Quality, and Salmon Studies.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | - | - | 2,563 | 2,627 | 2,755 | 2,949 | 3,212 | 3,548 | 17,655 |
| Total: | - | - | 2,563 | 2,627 | 2,755 | 2,949 | 3,212 | 3,548 | 17,655 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 2,563 | 2,627 | 2,755 | 2,949 | 3,212 | 3,548 | 17,655 |
| Total: | - | - | 2,563 | 2,627 | 2,755 | 2,949 | 3,212 | 3,548 | 17,655 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit Licensing Mitigation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XS6991 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 500 Newhalem Creek Rd |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|-----------|-----------|------------|-----------|-----------|-----------|--------------|
| City Light Fund Revenues | 4,141 | 522 | 82 | 84 | 131 | 64 | 62 | 59 | 5,145 |
| Total: | 4,141 | 522 | 82 | 84 | 131 | 64 | 62 | 59 | 5,145 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 4,141 | 522 | 82 | 84 | 131 | 64 | 62 | 59 | 5,145 |
| Total: | 4,141 | 522 | 82 | 84 | 131 | 64 | 62 | 59 | 5,145 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Skagit Powerhouses - Install Protection Relays

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--|
| Project No: | MC-CL-XS6415 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 500 Newhalem Creek Rd, Marblemount, WA 98267 |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|--------------|--------------|-------------|---------------|
| City Light Fund Revenues | 8,665 | 106 | 107 | - | 455 | 1,426 | 1,052 | - | 11,810 |
| Total: | 8,665 | 106 | 107 | - | 455 | 1,426 | 1,052 | - | 11,810 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 8,665 | 106 | 107 | - | 455 | 1,426 | 1,052 | - | 11,810 |
| Total: | 8,665 | 106 | 107 | - | 455 | 1,426 | 1,052 | - | 11,810 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Small Overhead and Underground Services

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8367 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides engineering and installation of radial electric power service connections with small size power requirements of less than 50 KVA and 26 kV. The cost of some of this work is generally reimbursed by the requesting customer.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| City Light Fund Revenues | 86,029 | 5,729 | 6,020 | 6,101 | 6,183 | 6,266 | 6,351 | 6,438 | 129,117 |
| Total: | 86,029 | 5,729 | 6,020 | 6,101 | 6,183 | 6,266 | 6,351 | 6,438 | 129,117 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 86,029 | 5,729 | 6,020 | 6,101 | 6,183 | 6,266 | 6,351 | 6,438 | 129,117 |
| Total: | 86,029 | 5,729 | 6,020 | 6,101 | 6,183 | 6,266 | 6,351 | 6,438 | 129,117 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

SMT AutoLab

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-XP6600 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Improved Facility | Location: | System Wide |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Outside City of Seattle |
| Start/End Date: | 2019 - 2022 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$114 | Urban Village: | Not in an Urban Village |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | - | - | 114 | - | - | - | - | - | 114 |
| Total: | - | - | 114 | - | - | - | - | - | 114 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 114 | - | - | - | - | - | 114 |
| Total: | - | - | 114 | - | - | - | - | - | 114 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Solar Microgrid for Resilience

| | | | |
|-------------------------------|--------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9238 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | New Investment | Location: | TBD |
| Current Project Stage: | Stage 6 - Closeout | Council District: | TBD |
| Start/End Date: | 2016 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$5,148 | Urban Village: | Not in an Urban Village |

This project provides construction of an islandable microgrid 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 provides 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. The Washington State Dept. of Commerce will grant the utility approximately half of the funding to cover the costs for this project.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 2,070 | 3,078 | - | - | - | - | - | - | 5,148 |
| Total: | 2,070 | 3,078 | - | - | - | - | - | - | 5,148 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,070 | 3,078 | - | - | - | - | - | - | 5,148 |
| Total: | 2,070 | 3,078 | - | - | - | - | - | - | 5,148 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Sound Transit - City Light System Upgrades

| | | | |
|-------------------------------|-------------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZT8475 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Improved Facility | Location: | City Wide |
| Current Project Stage: | Stage 3 - Design | Council District: | Multiple |
| Start/End Date: | 2017 - 2021 | Neighborhood District: | Multiple |
| Total Project Cost: | \$1,075 | Urban Village: | Multiple |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 92 | 984 | - | - | - | - | - | - | 1,075 |
| Total: | 92 | 984 | - | - | - | - | - | - | 1,075 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 92 | 984 | - | - | - | - | - | - | 1,075 |
| Total: | 92 | 984 | - | - | - | - | - | - | 1,075 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Sound Transit 3 - City Light

| | | | |
|-------------------------------|--------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZT8467 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project provides the engineering and construction of relocated and/or new Seattle City Light facilities required for two new light rail lines and related transit facilities from downtown Seattle to Ballard and West Seattle, approved in November 2017 as part of the Sound Transit 3 initiative. City Light activities include engineering and construction of electric power feeder relocations and upgrades, power services for the planned light rail lines, and various other tasks. Sound Transit's plans will require City Light work through several future budget cycles.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 34 | 1,050 | 394 | 284 | 522 | 97 | 203 | - | 2,582 |
| Total: | 34 | 1,050 | 394 | 284 | 522 | 97 | 203 | - | 2,582 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 34 | 1,050 | 394 | 284 | 522 | 97 | 203 | - | 2,582 |
| Total: | 34 | 1,050 | 394 | 284 | 522 | 97 | 203 | - | 2,582 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Sound Transit Light Rail East Link - City Light

| | | | |
|-------------------------------|--------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-ZT8450 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | I-90 |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Outside City of Seattle |
| Start/End Date: | 2011 - 2021 | Neighborhood District: | Central |
| Total Project Cost: | \$2,169 | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 2,133 | 36 | - | - | - | - | - | - | 2,169 |
| Total: | 2,133 | 36 | - | - | - | - | - | - | 2,169 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 2,133 | 36 | - | - | - | - | - | - | 2,169 |
| Total: | 2,133 | 36 | - | - | - | - | - | - | 2,169 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Sound Transit Lynnwood - City Light

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-ZT8471 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | City Wide |
| Current Project Stage: | Stage 5 - Construction | Council District: | Outside City of Seattle |
| Start/End Date: | 2015 - 2025 | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | \$13,875 | Urban Village: | Outside City of Seattle |

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.?

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 6,909 | 3,498 | 2,794 | 670 | - | 3 | - | - | 13,875 |
| Total: | 6,909 | 3,498 | 2,794 | 670 | - | 3 | - | - | 13,875 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 6,909 | 3,498 | 2,794 | 670 | - | 3 | - | - | 13,875 |
| Total: | 6,909 | 3,498 | 2,794 | 670 | - | 3 | - | - | 13,875 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Special Work Equipment - Generation Plant

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XP6102 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Outside City of Seattle |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds the purchase of machinery and tools, and special work equipment to be used for operations activities at 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 9,151 | 1,061 | 922 | - | - | - | - | - | 11,134 |
| Total: | 9,151 | 1,061 | 922 | - | - | - | - | - | 11,134 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 9,151 | 1,061 | 922 | - | - | - | - | - | 11,134 |
| Total: | 9,151 | 1,061 | 922 | - | - | - | - | - | 11,134 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Special Work Equipment - Other Plant

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9102 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 10,955 | 794 | 794 | 793 | 794 | 795 | 796 | 822 | 16,544 |
| Total: | 10,955 | 794 | 794 | 793 | 794 | 795 | 796 | 822 | 16,544 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 10,955 | 794 | 794 | 793 | 794 | 795 | 796 | 822 | 16,544 |
| Total: | 10,955 | 794 | 794 | 793 | 794 | 795 | 796 | 822 | 16,544 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Special Work Equipment - Shops

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF8389 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 1,784 | 577 | 292 | 316 | 325 | 334 | 341 | 342 | 4,311 |
| Total: | 1,784 | 577 | 292 | 316 | 325 | 334 | 341 | 342 | 4,311 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1,784 | 577 | 292 | 316 | 325 | 334 | 341 | 342 | 4,311 |
| Total: | 1,784 | 577 | 292 | 316 | 325 | 334 | 341 | 342 | 4,311 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

ST Northlink - City Light

| | | | |
|-------------------------------|--------------------|-------------------------------|--|
| Project No: | MC-CL-ZT8427 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | New Facility | Location: | University District /Roosevelt/Northgate |
| Current Project Stage: | Stage 6 - Closeout | Council District: | |
| Start/End Date: | 2010 - 2021 | Neighborhood District: | Northwest |
| Total Project Cost: | \$807 | Urban Village: | Multiple |

This project provides management and construction of SCL's utility relocations and feeder construction needed for Sound Transit to build the North Link light rail line to the proposed Sound Transit Northgate Station, from the University of Washington Station, as part of the design and construction agreements made between the City of Seattle and Sound Transit.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------|------|------|------|------|------|------------|
| City Light Fund Revenues | 753 | 54 | - | - | - | - | - | - | 807 |
| Total: | 753 | 54 | - | - | - | - | - | - | 807 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 753 | 54 | - | - | - | - | - | - | 807 |
| Total: | 753 | 54 | - | - | - | - | - | - | 807 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

State Route 520 Bridge Relocations

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZT8435 | BSL Code: | BC-CL-Z |
| Project Type: | Discrete | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | SR 520 / Lake Washington |
| Current Project Stage: | Stage 5 - Construction | Council District: | Citywide |
| Start/End Date: | 2017 - 2023 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$10,512 | Urban Village: | Not in an Urban Village |

This project provides relocation and installation of power service infrastructure, such as feeder extensions, to support WSDOT's replacement of the State Route 520 Bridge from Montlake to I-5. This project is projected to be fully reimbursable by WSDOT.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|----------|----------|----------|----------|---------------|
| City Light Fund Revenues | 680 | 288 | 7,478 | 2,067 | - | - | - | - | 10,512 |
| Total: | 680 | 288 | 7,478 | 2,067 | - | - | - | - | 10,512 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 680 | 288 | 7,478 | 2,067 | - | - | - | - | 10,512 |
| Total: | 680 | 288 | 7,478 | 2,067 | - | - | - | - | 10,512 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Stormwater Compliance

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9236 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | City Wide |
| Current Project Stage: | N/A | Council District: | |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing project funds the installation of lighted canopies and the associated drainage improvements that are 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------|------|------|------|------|------|--------------|
| City Light Fund Revenues | 402 | 609 | - | - | - | - | - | - | 1,011 |
| Total: | 402 | 609 | - | - | - | - | - | - | 1,011 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 402 | 609 | - | - | - | - | - | - | 1,011 |
| Total: | 402 | 609 | - | - | - | - | - | - | 1,011 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Streetlight LED Conversion Program

| | | | |
|-------------------------------|-------------------------------|-------------------------------|------------------------|
| Project No: | MC-CL-ZL8441 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Citywide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 41,979 | 5,122 | 2,983 | 1,951 | 2,006 | 3,317 | 6,163 | 3,000 | 66,520 |
| Total: | 41,979 | 5,122 | 2,983 | 1,951 | 2,006 | 3,317 | 6,163 | 3,000 | 66,520 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 41,979 | 5,122 | 2,983 | 1,951 | 2,006 | 3,317 | 6,163 | 3,000 | 66,520 |
| Total: | 41,979 | 5,122 | 2,983 | 1,951 | 2,006 | 3,317 | 6,163 | 3,000 | 66,520 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Streetlights: Arterial, Residential and Floodlights

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZL8378 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds streetlights and floodlights requested by various taxing jurisdictions and other customers. Lights may be provided in public right of way and on private property, for either public or private benefit.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 41,922 | 3,016 | 4,334 | 2,967 | 2,658 | 3,209 | 4,559 | 8,648 | 71,313 |
| Total: | 41,922 | 3,016 | 4,334 | 2,967 | 2,658 | 3,209 | 4,559 | 8,648 | 71,313 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 41,922 | 3,016 | 4,334 | 2,967 | 2,658 | 3,209 | 4,559 | 8,648 | 71,313 |
| Total: | 41,922 | 3,016 | 4,334 | 2,967 | 2,658 | 3,209 | 4,559 | 8,648 | 71,313 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Automation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS8424 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 9,672 | 1,260 | 1,275 | 1,311 | 1,332 | 1,353 | 1,487 | 1,581 | 19,272 |
| Total: | 9,672 | 1,260 | 1,275 | 1,311 | 1,332 | 1,353 | 1,487 | 1,581 | 19,272 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 9,672 | 1,260 | 1,275 | 1,311 | 1,332 | 1,353 | 1,487 | 1,581 | 19,272 |
| Total: | 9,672 | 1,260 | 1,275 | 1,311 | 1,332 | 1,353 | 1,487 | 1,581 | 19,272 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Breaker Replacements and Reliability Additions

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7779 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides 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, and service stress. It replaces those circuit breakers with the priority given to those with the highest risk of failure.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 50,523 | 9,775 | 4,181 | 8,037 | 5,566 | 5,492 | 5,940 | 6,742 | 96,255 |
| Total: | 50,523 | 9,775 | 4,181 | 8,037 | 5,566 | 5,492 | 5,940 | 6,742 | 96,255 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 50,523 | 9,775 | 4,181 | 8,037 | 5,566 | 5,492 | 5,940 | 6,742 | 96,255 |
| Total: | 50,523 | 9,775 | 4,181 | 8,037 | 5,566 | 5,492 | 5,940 | 6,742 | 96,255 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Capacity Additions

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7751 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 14,552 | 2,201 | 2,199 | 2,789 | 2,402 | 2,297 | 2,330 | 3,028 | 31,797 |
| Total: | 14,552 | 2,201 | 2,199 | 2,789 | 2,402 | 2,297 | 2,330 | 3,028 | 31,797 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 14,552 | 2,201 | 2,199 | 2,789 | 2,402 | 2,297 | 2,330 | 3,028 | 31,797 |
| Total: | 14,552 | 2,201 | 2,199 | 2,789 | 2,402 | 2,297 | 2,330 | 3,028 | 31,797 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Comprehensive Improvements

| | | | |
|-------------------------------|-------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9161 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Improved Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 3,648 | 261 | 1,311 | 3,344 | 3,345 | 2,038 | 2,668 | 3,443 | 20,059 |
| Total: | 3,648 | 261 | 1,311 | 3,344 | 3,345 | 2,038 | 2,668 | 3,443 | 20,059 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,648 | 261 | 1,311 | 3,344 | 3,345 | 2,038 | 2,668 | 3,443 | 20,059 |
| Total: | 3,648 | 261 | 1,311 | 3,344 | 3,345 | 2,038 | 2,668 | 3,443 | 20,059 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Equipment Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7752 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project adds, replaces, and upgrades substation equipment, particularly substation electrical and control equipment. The project also funds installation of remote control and monitoring of substation equipment from the System Control Center, which facilitates faster response time to correct system instability or outages. This work maintains and improves system reliability, permits compliance with high voltage and environmental regulations, and ensures safe work sites.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| City Light Fund Revenues | 58,040 | 6,854 | 6,117 | 6,478 | 7,732 | 6,186 | 6,153 | 8,164 | 105,724 |
| Total: | 58,040 | 6,854 | 6,117 | 6,478 | 7,732 | 6,186 | 6,153 | 8,164 | 105,724 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 58,040 | 6,854 | 6,117 | 6,478 | 7,732 | 6,186 | 6,153 | 8,164 | 105,724 |
| Total: | 58,040 | 6,854 | 6,117 | 6,478 | 7,732 | 6,186 | 6,153 | 8,164 | 105,724 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Plant Improvements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7750 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|------------|--------------|--------------|------------|--------------|---------------|
| City Light Fund Revenues | 9,096 | 1,608 | 1,108 | 932 | 1,020 | 1,040 | 831 | 1,051 | 16,686 |
| Total: | 9,096 | 1,608 | 1,108 | 932 | 1,020 | 1,040 | 831 | 1,051 | 16,686 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 9,096 | 1,608 | 1,108 | 932 | 1,020 | 1,040 | 831 | 1,051 | 16,686 |
| Total: | 9,096 | 1,608 | 1,108 | 932 | 1,020 | 1,040 | 831 | 1,051 | 16,686 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substation Transformer Replacements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7776 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 2136 N 163rd St, Shoreline |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project provides 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 prioritized by those with the highest risk of failure, or those presenting substation capacity limits. The project enhances system reliability by replacing aging substation transformers before they fail in service.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 13,621 | 10,219 | 5,050 | 2,626 | 3,086 | 4,789 | 4,877 | 6,413 | 50,681 |
| Total: | 13,621 | 10,219 | 5,050 | 2,626 | 3,086 | 4,789 | 4,877 | 6,413 | 50,681 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 13,621 | 10,219 | 5,050 | 2,626 | 3,086 | 4,789 | 4,877 | 6,413 | 50,681 |
| Total: | 13,621 | 10,219 | 5,050 | 2,626 | 3,086 | 4,789 | 4,877 | 6,413 | 50,681 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substations Demand Driven Improvements

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7755 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project enables City Light to perform cooperative work on shared lines and systems periodically requested by other electrical utilities in the region.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 525 | 22 | 5 | 6 | 6 | 6 | 6 | - | 575 |
| Total: | 525 | 22 | 5 | 6 | 6 | 6 | 6 | - | 575 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 525 | 22 | 5 | 6 | 6 | 6 | 6 | - | 575 |
| Total: | 525 | 22 | 5 | 6 | 6 | 6 | 6 | - | 575 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Substations Oil Containment

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YS7783 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project brings 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 72 | 289 | 548 | 370 | 376 | 382 | 332 | 283 | 2,652 |
| Total: | 72 | 289 | 548 | 370 | 376 | 382 | 332 | 283 | 2,652 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 72 | 289 | 548 | 370 | 376 | 382 | 332 | 283 | 2,652 |
| Total: | 72 | 289 | 548 | 370 | 376 | 382 | 332 | 283 | 2,652 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Tolt Relicensing

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------|
| Project No: | MC-CL-XC6985 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Tolt River Dam |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This project provides the necessary documentation with the FERC by June 2027 to either acquire a new operating license for the Project or decommission it. South Fork Tolt Hydroelectric Project (the Project) FERC License expires in July 2029. Without a license the Project cannot be legally operated. The FERC relicensing process will require preparing and filing a Notice of Intent (NOi), Preliminary Application Document (PAD), and Preliminary and Final License Applications. The PAD, which is due in 2024, will be a substantial document requiring consultant assistance and additional City Light staff resources. Work began in 2021 to prepare the PAD and start the relicensing process. The main study phase of relicensing will occur in 2025 and 2026, which will require consultant and agency support for studies, reporting, and preparation of the license application which is due in 2027. If City Light were to decide to cease operating the Project instead of relicensing it, a Decommissioning Application would need to be filed, which requires many of the same elements and funding to complete this work.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | - | 285 | 1,421 | 1,843 | 1,897 | 6,147 | 6,274 | 3,445 | 21,312 |
| Total: | - | 285 | 1,421 | 1,843 | 1,897 | 6,147 | 6,274 | 3,445 | 21,312 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 285 | 1,421 | 1,843 | 1,897 | 6,147 | 6,274 | 3,445 | 21,312 |
| Total: | - | 285 | 1,421 | 1,843 | 1,897 | 6,147 | 6,274 | 3,445 | 21,312 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transmission & Generation Radio Systems

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9108 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|
| City Light Fund Revenues | 10,684 | 1,952 | 630 | 780 | 730 | 730 | 918 | 1,239 | 17,664 |
| Total: | 10,684 | 1,952 | 630 | 780 | 730 | 730 | 918 | 1,239 | 17,664 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 10,684 | 1,952 | 630 | 780 | 730 | 730 | 918 | 1,239 | 17,664 |
| Total: | 10,684 | 1,952 | 630 | 780 | 730 | 730 | 918 | 1,239 | 17,664 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transmission Capacity

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YT7011 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| City Light Fund Revenues | 5,215 | 24 | 24 | 38 | 15 | 16 | 16 | 21 | 5,370 |
| Total: | 5,215 | 24 | 24 | 38 | 15 | 16 | 16 | 21 | 5,370 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 5,215 | 24 | 24 | 38 | 15 | 16 | 16 | 21 | 5,370 |
| Total: | 5,215 | 24 | 24 | 38 | 15 | 16 | 16 | 21 | 5,370 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transmission Inter-Agency

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YT7105 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|
| City Light Fund Revenues | 3,013 | 612 | 567 | 598 | 583 | 585 | 615 | 704 | 7,276 |
| Total: | 3,013 | 612 | 567 | 598 | 583 | 585 | 615 | 704 | 7,276 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 3,013 | 612 | 567 | 598 | 583 | 585 | 615 | 704 | 7,276 |
| Total: | 3,013 | 612 | 567 | 598 | 583 | 585 | 615 | 704 | 7,276 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transmission Line Inductor Installation

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YT8461 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Citywide |
| Start/End Date: | 2015 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$37,690 | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 20,388 | 17,016 | 285 | - | - | - | - | - | 37,690 |
| Total: | 20,388 | 17,016 | 285 | - | - | - | - | - | 37,690 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 20,388 | 17,016 | 285 | - | - | - | - | - | 37,690 |
| Total: | 20,388 | 17,016 | 285 | - | - | - | - | - | 37,690 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transmission Reliability

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YT7104 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides replacement and improvement of transmission structures and conductors. This work may include engineering, construction, and related work, as well as minor improvements to overhead or underground transmission system assets to improve reliability.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 32,017 | 1,896 | 3,064 | 3,922 | 3,108 | 2,835 | 3,559 | 3,519 | 53,920 |
| Total: | 32,017 | 1,896 | 3,064 | 3,922 | 3,108 | 2,835 | 3,559 | 3,519 | 53,920 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 32,017 | 1,896 | 3,064 | 3,922 | 3,108 | 2,835 | 3,559 | 3,519 | 53,920 |
| Total: | 32,017 | 1,896 | 3,064 | 3,922 | 3,108 | 2,835 | 3,559 | 3,519 | 53,920 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transmission Tower Refurbishment

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YT7130 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | Multiple |
| Current Project Stage: | N/A | Council District: | Outside City of Seattle |
| Start/End Date: | N/A | Neighborhood District: | Outside City of Seattle |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project provides the costs to refurbish and to extend the life of over 1,700 of steel transmission tower structures. This funding eThis ongoing project funds programmatic painting and refurbishment of approximately 1,700 steel transmission tower structures. Metal transmission towers have a long life if properly maintained, while replacements are disruptive and can cost more than \$2 million per tower. establishes and implements a new, ongoing, systematic approach to repair and refurbish these critical assets for as long as we can before needing to perform a tower replacement project which would cost more than \$2.0 million per tower.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | - | 3,177 | 1,800 | 4,800 | 4,800 | 4,800 | 4,800 | 4,800 | 28,977 |
| Total: | - | 3,177 | 1,800 | 4,800 | 4,800 | 4,800 | 4,800 | 4,800 | 28,977 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | 3,177 | 1,800 | 4,800 | 4,800 | 4,800 | 4,800 | 4,800 | 28,977 |
| Total: | - | 3,177 | 1,800 | 4,800 | 4,800 | 4,800 | 4,800 | 4,800 | 28,977 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transportation Electrification

| | | | |
|-------------------------------|----------------|-------------------------------|--------------------|
| Project No: | MC-CL-XF9239 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | New Investment | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This ongoing project develops electrification infrastructure to support light-duty, medium-duty, and heavy-duty electric vehicles as well as ferry and port systems. Improvements will be developed based on feedback from customer engagement. Efforts are expected to support areas including electrified public transit, fleet electrification, and electric vehicle charging

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|---------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 1 | 5,929 | 3,180 | 7,380 | 10,230 | 9,880 | 8,623 | 7,624 | 52,847 |
| Total: | 1 | 5,929 | 3,180 | 7,380 | 10,230 | 9,880 | 8,623 | 7,624 | 52,847 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 1 | 5,929 | 3,180 | 7,380 | 10,230 | 9,880 | 8,623 | 7,624 | 52,847 |
| Total: | 1 | 5,929 | 3,180 | 7,380 | 10,230 | 9,880 | 8,623 | 7,624 | 52,847 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Transportation Streetlights

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZL8377 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | Not in an Urban Village |

This ongoing project funds relocation of streetlights that are displaced by City of Seattle transportation projects.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 21,651 | 6,207 | 6,784 | 5,486 | 5,628 | 5,992 | 6,140 | 7,301 | 65,189 |
| Total: | 21,651 | 6,207 | 6,784 | 5,486 | 5,628 | 5,992 | 6,140 | 7,301 | 65,189 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 21,651 | 6,207 | 6,784 | 5,486 | 5,628 | 5,992 | 6,140 | 7,301 | 65,189 |
| Total: | 21,651 | 6,207 | 6,784 | 5,486 | 5,628 | 5,992 | 6,140 | 7,301 | 65,189 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Underground 26kV Conversion

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8362 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 9,197 | 3,245 | 1,005 | 1,714 | 3,586 | 2,939 | 2,985 | 3,032 | 27,703 |
| Total: | 9,197 | 3,245 | 1,005 | 1,714 | 3,586 | 2,939 | 2,985 | 3,032 | 27,703 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 9,197 | 3,245 | 1,005 | 1,714 | 3,586 | 2,939 | 2,985 | 3,032 | 27,703 |
| Total: | 9,197 | 3,245 | 1,005 | 1,714 | 3,586 | 2,939 | 2,985 | 3,032 | 27,703 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Underground Customer Driven Capacity Additions

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8360 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 49,662 | 4,180 | 3,079 | 3,127 | 3,176 | 3,226 | 3,276 | 3,327 | 73,054 |
| Total: | 49,662 | 4,180 | 3,079 | 3,127 | 3,176 | 3,226 | 3,276 | 3,327 | 73,054 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 49,662 | 4,180 | 3,079 | 3,127 | 3,176 | 3,226 | 3,276 | 3,327 | 73,054 |
| Total: | 49,662 | 4,180 | 3,079 | 3,127 | 3,176 | 3,226 | 3,276 | 3,327 | 73,054 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Underground Equipment Replacements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8353 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|
| City Light Fund Revenues | 84,081 | 21,600 | 17,045 | 31,160 | 36,170 | 39,702 | 30,543 | 31,193 | 291,494 |
| Total: | 84,081 | 21,600 | 17,045 | 31,160 | 36,170 | 39,702 | 30,543 | 31,193 | 291,494 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 84,081 | 21,600 | 17,045 | 31,160 | 36,170 | 39,702 | 30,543 | 31,193 | 291,494 |
| Total: | 84,081 | 21,600 | 17,045 | 31,160 | 36,170 | 39,702 | 30,543 | 31,193 | 291,494 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Underground Outage Replacements

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-ZS8352 | BSL Code: | BC-CL-Z |
| Project Type: | Ongoing | BSL Name: | Customer Focused - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 20,889 | 1,898 | 1,350 | 1,374 | 1,397 | 1,422 | 2,248 | 1,471 | 32,050 |
| Total: | 20,889 | 1,898 | 1,350 | 1,374 | 1,397 | 1,422 | 2,248 | 1,471 | 32,050 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 20,889 | 1,898 | 1,350 | 1,374 | 1,397 | 1,422 | 2,248 | 1,471 | 32,050 |
| Total: | 20,889 | 1,898 | 1,350 | 1,374 | 1,397 | 1,422 | 2,248 | 1,471 | 32,050 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Underground System Capacity Additions

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8361 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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 may pay for a portion of this work.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 53,375 | 2,790 | 2,551 | 2,593 | 2,635 | 2,679 | 2,723 | 2,755 | 72,101 |
| Total: | 53,375 | 2,790 | 2,551 | 2,593 | 2,635 | 2,679 | 2,723 | 2,755 | 72,101 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 53,375 | 2,790 | 2,551 | 2,593 | 2,635 | 2,679 | 2,723 | 2,755 | 72,101 |
| Total: | 53,375 | 2,790 | 2,551 | 2,593 | 2,635 | 2,679 | 2,723 | 2,755 | 72,101 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Union Street Substation Networks

| | | | |
|-------------------------------|--------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8201 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Facility | Location: | 1312 Western AV |
| Current Project Stage: | N/A | Council District: | Council District 7 |
| Start/End Date: | N/A | Neighborhood District: | Downtown |
| Total Project Cost: | N/A | Urban Village: | Downtown |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | 22,930 | 3,579 | 2,015 | 2,016 | 2,058 | 2,025 | 2,537 | 2,644 | 39,805 |
| Total: | 22,930 | 3,579 | 2,015 | 2,016 | 2,058 | 2,025 | 2,537 | 2,644 | 39,805 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 22,930 | 3,579 | 2,015 | 2,016 | 2,058 | 2,025 | 2,537 | 2,644 | 39,805 |
| Total: | 22,930 | 3,579 | 2,015 | 2,016 | 2,058 | 2,025 | 2,537 | 2,644 | 39,805 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

University of Washington Capacity Additions

| | | | |
|-------------------------------|-----------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YR8466 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | New Investment | Location: | Multiple |
| Current Project Stage: | Stage 1 - Pre-Project Development | Council District: | Council District 3 |
| Start/End Date: | 2022 - 2028 | Neighborhood District: | Northeast |
| Total Project Cost: | \$35,163 | Urban Village: | University District |

This project builds the infrastructure required to serve the electrical needs of the University of Washington's campus expansion. This will include engineering design and construction work to build feeder and substation infrastructure to serve 15 MW of new load in the University campus. A portion of this project may be reimbursable by the University of Washington.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|--------------|--------------|---------------|---------------|--------------|---------------|
| City Light Fund Revenues | - | - | 481 | 1,682 | 6,000 | 12,000 | 10,000 | 5,000 | 35,163 |
| Total: | - | - | 481 | 1,682 | 6,000 | 12,000 | 10,000 | 5,000 | 35,163 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 481 | 1,682 | 6,000 | 12,000 | 10,000 | 5,000 | 35,163 |
| Total: | - | - | 481 | 1,682 | 6,000 | 12,000 | 10,000 | 5,000 | 35,163 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

University Substation - Network

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YN8464 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | 645 NW 45Th |
| Current Project Stage: | N/A | Council District: | Council District 4 |
| Start/End Date: | N/A | Neighborhood District: | Northeast |
| Total Project Cost: | N/A | Urban Village: | University District |

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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|------------|------------|------------|------------|------------|------------|---------------|
| City Light Fund Revenues | 6,655 | 1,049 | 366 | 367 | 373 | 413 | 419 | 710 | 10,352 |
| Total: | 6,655 | 1,049 | 366 | 367 | 373 | 413 | 419 | 710 | 10,352 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 6,655 | 1,049 | 366 | 367 | 373 | 413 | 419 | 710 | 10,352 |
| Total: | 6,655 | 1,049 | 366 | 367 | 373 | 413 | 419 | 710 | 10,352 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Utility Next

| | | | |
|-------------------------------|-------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9520 | BSL Code: | BC-CL-Y |
| Project Type: | Ongoing | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Improved Facility | Location: | System Wide |
| Current Project Stage: | N/A | Council District: | Multiple |
| Start/End Date: | N/A | Neighborhood District: | Multiple |
| Total Project Cost: | N/A | Urban Village: | Multiple |

This project funds grant matching for the Utility Next portfolio, which aims to leverage stimulus and grant funding to augment and accelerate progress in grid modernization, renewable energy, electrification, and workforce development.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|
| City Light Fund Revenues | - | - | 1,000 | 4,300 | 5,220 | 7,150 | 6,390 | 5,000 | 29,060 |
| Total: | - | - | 1,000 | 4,300 | 5,220 | 7,150 | 6,390 | 5,000 | 29,060 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | - | - | 1,000 | 4,300 | 5,220 | 7,150 | 6,390 | 5,000 | 29,060 |
| Total: | - | - | 1,000 | 4,300 | 5,220 | 7,150 | 6,390 | 5,000 | 29,060 |

O&M Impacts:

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Vegetation Management Compliance System

| | | | |
|-------------------------------|-------------------------------|-------------------------------|-------------------------------------|
| Project No: | MC-CL-YD9978 | BSL Code: | BC-CL-Y |
| Project Type: | Discrete | BSL Name: | Transmission and Distribution - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | Stage 5 - Execution (IT Only) | Council District: | Outside City of Seattle |
| Start/End Date: | 2018 - 2022 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$850 | Urban Village: | Not in an Urban Village |

This project provides funding for a Vegetation Management Compliance System for planning, tracking, and necessary documentation required to meet WECC and NERC Vegetation Management compliance requirements. These requirements are a WECC recommendation from the 2017 WECC Audit. Auditors noted that SCL was the only utility of its size to not automate Vegetation Management compliance work.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|---|----------------|-----------------|----------|----------|----------|----------|----------|----------|------------|
| City Light Fund Revenues | 211 | 639 | - | - | - | - | - | - | 850 |
| Total: | 211 | 639 | - | - | - | - | - | - | 850 |
| Fund Appropriations / Allocations ¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 211 | 639 | - | - | - | - | - | - | 850 |
| Total: | 211 | 639 | - | - | - | - | - | - | 850 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Western Energy Imbalance Market

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XP9976 | BSL Code: | BC-CL-X |
| Project Type: | Discrete | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System Wide |
| Current Project Stage: | Stage 6 - Closeout | Council District: | Multiple |
| Start/End Date: | 2017 - 2021 | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | \$13,993 | Urban Village: | Not in an Urban Village |

This 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 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 2019.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 13,291 | 701 | - | - | - | - | - | - | 13,993 |
| Total: | 13,291 | 701 | - | - | - | - | - | - | 13,993 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 13,291 | 701 | - | - | - | - | - | - | 13,993 |
| Total: | 13,291 | 701 | - | - | - | - | - | - | 13,993 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars

Workplace and Process Improvement

| | | | |
|-------------------------------|-------------------------------|-------------------------------|--------------------------------|
| Project No: | MC-CL-XF9159 | BSL Code: | BC-CL-X |
| Project Type: | Ongoing | BSL Name: | Power Supply - CIP |
| Project Category: | Rehabilitation or Restoration | Location: | System wide |
| Current Project Stage: | N/A | Council District: | Citywide |
| Start/End Date: | N/A | Neighborhood District: | Not in a Neighborhood District |
| Total Project Cost: | N/A | Urban Village: | 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.

| Resources | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
|--|------------------------|-------------------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|
| City Light Fund Revenues | 8,661 | 1,992 | 451 | 734 | 732 | 732 | 739 | 946 | 14,988 |
| Total: | 8,661 | 1,992 | 451 | 734 | 732 | 732 | 739 | 946 | 14,988 |
| Fund Appropriations / Allocations¹ | LTD Actuals | 2021 Revised | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Total |
| Light Fund | 8,661 | 1,992 | 451 | 734 | 732 | 732 | 739 | 946 | 14,988 |
| Total: | 8,661 | 1,992 | 451 | 734 | 732 | 732 | 739 | 946 | 14,988 |

O&M Impacts: NA

¹Funds are appropriated through the Adopted Budget at the Budget Summary Level. All Amounts shown above are in thousands of dollars