

Seattle City Light

Solar Microgrid for Resilience

BCL/Program Name:	E3 Central Utility Projects - Fleets and Facilities	BCL/Program Code:	SCL250-E3
Project Type:	Improved Facility	Start Date:	Q4/2016
Project ID:	9238	End Date:	Q4/2018
Location:	Citywide		
Neighborhood Plan:	Not in a Neighborhood Plan	Council District:	Outside Seattle
Neighborhood District:	Not in a Neighborhood District	Urban Village:	Not in an Urban Village

This project will construct an islandable microgrid that will be located at a City of Seattle designated emergency shelter such as a community center, where a solar photovoltaic (PV) system coupled with an appropriately-sized battery energy storage system will be installed. The project is envisioned to provide backup power to support critical emergency facilities and services during extended power outages when electricity distribution facilities are down due to a catastrophic event, such as an earthquake, severe windstorm (or associated flooding), fire or landslide. Smart microgrids improve resiliency and reliability, minimize carbon footprints, and reduce costs. This project will position City Light as one of the utilities in the forefront of an innovative application of microgrids and serve as a testbed for testing and operating not just the microgrid, but the solar and battery energy storage system equipment as well.

	LTD Actuals	2015 Rev	2016	2017	2018	2019	2020	2021	Total
Revenue Sources									
City Light Fund Revenues	0	0	3,600	12	11	0	0	0	3,623
Total:	0	0	3,600	12	11	0	0	0	3,623
Fund Appropriations/Allocations									
City Light Fund	0	0	3,600	12	11	0	0	0	3,623
Total*:	0	0	3,600	12	11	0	0	0	3,623
O & M Costs (Savings)			0	0	0	0	0	0	0
Spending Plan by Fund									
City Light Fund		0	3,600	0	0	0	0	0	3,600
Total:		0	3,600	0	0	0	0	0	3,600

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