WELCOME

What is the project?

Seattle City Light is partnering with Seattle Parks and Recreation to implement a microgrid project at Miller Community Center, located in the Capitol Hill neighborhood.

What can you expect?

We have informational boards on the following topics:

- **Project Overview**
- **Site Selection Process**
- **City Light/Parks and Recreation Partnership**
- **Design/Construction**
- **Upcoming Schedule / Stay Involved**

How can you participate?

Talk with project staff
We're here to answer questions and listen

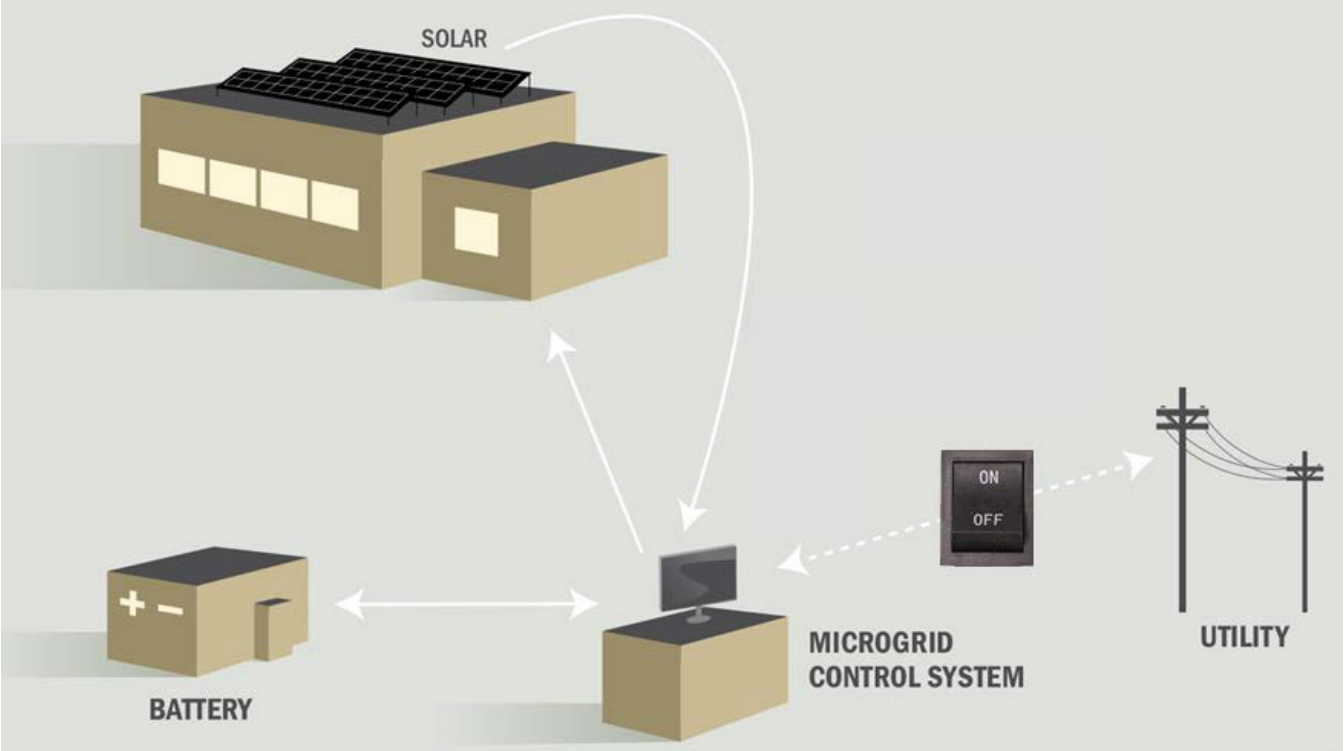
Put pen to paper
Share your input by filling out a comment form

Email Us
Need to think about it? Send us an email at **SCL_Microgrid@seattle.gov**

PROJECT OVERVIEW

What is a microgrid?

A microgrid is a backup power system that can disconnect from the traditional power grid and operate on its own. The project will include the installation of a battery energy storage system, solar panels and a microgrid control system.



How will the microgrid operate?

The microgrid will provide backup power storage for Miller Community Center during emergency events, such as a windstorm or unplanned power outage. When the electric grid is down, the microgrid will generate and provide power to the community center to keep the center's services and communications operational.

How is the project being funded?

In August 2016, Governor Jay Inslee announced $12.6 million in Clean Energy Fund grants to five utilities in the state of Washington.

Seattle City Light's microgrid resiliency project was chosen as one of the recipients for a state clean energy grant from the Washington State Department of Commerce. A $1.5 million grant will provide a portion of the funds for the project. The additional $1.8 million in project costs will be funded by Seattle City Light.

Who did the City of Seattle select to work on the project?

The City of Seattle is working with several groups to learn how the microgrid will impact or benefit Seattle City Light's electrical system and customers. The project will allow the utility to gain valuable insights on what it takes to design, build and operate a microgrid.

Owner's Engineer	**DNV GL** was hired for their microgrid expertise. They evaluated sites for the microgrid and will oversee the project through design, construction, commissioning and testing.
Analytics Team	**The University of Washington** will gather data and perform quantitative and qualitative analysis of the microgrid, community and system benefits.
Building Engineered Systems Contractor	**Worley** was selected to design, build, test and commission the microgrid.

SITE SELECTION

Why was Miller Community Center selected for this project?

Miller Community Center was selected after a thorough feasibility study of Seattle's community centers, specifically centers that do not have a backup power system (such as a diesel generator).

Through this study, Miller Community Center was found as structurally sound to install a long-term microgrid system. The location serves a large population that can benefit from the microgrid technology.

Characteristics:

- Community centers that do not have diesel generators for backup power
- Structural integrity of the facility
- Community benefits
- Space to locate equipment on site

Seattle Parks & Recreation

The project benefits Seattle Parks & Recreation's mission and vision of healthy people, healthy environments and strong communities.

Healthy People	Reduces reliance on diesel generators during an emergency
Healthy Environment	Solar is a clean, renewable energy
Strong Communities	Empowering a community to recover quickly from unplanned power outages and emergency events
Environmental Action Agenda	Seattle Parks and Recreation strives to become an environmental leader

Other benefits include:

Solar Power Electricity Credits	Seattle Parks and Recreation will receive a net-metering offset from the solar panels
Public Education Opportunities	The project provides opportunities to educate the public about climate change and resiliency
Utilizing Clean Energy	The City of Seattle is committed to seeking and implementing innovative technologies in our communities

healthy people
healthy environment
strong communities

DESIGN/CONSTRUCTION

Microgrid Components

Battery Energy Storage System

Microgrid Controls

Solar Panels

How will the community center be impacted during construction?

During construction, the contractor will need to temporarily close part of the north parking lot. Some sidewalks may be temporarily impacted, and the north parking lot driveway may be temporarily blocked due to equipment deliveries. The City of Seattle and the contractor hired for the project will work to minimize impacts to the community center.

Construction is scheduled to start in early 2020 and will last approximately 10 to 12 weeks. Users of the community center and nearby residents will be notified closer to the start of construction.

SCHEDULE / CONTACT US

Schedule / Timeline:

Milestone	Date
Public Outreach	3rd/4th Quarter 2019
Design Completed	4th Quarter 2019
Construction	1st Quarter 2020
Commissioning	1st Quarter 2020
Construction Completed / Analytics	2nd Quarter 2020

Share your questions and comments regarding our resiliency solar microgrid project:

- Fill out a comment form
- Contact one of our staff members at today's open house
- Email us: **SCL_Microgrid@seattle.gov**

Stay Involved

- For more information, visit our website at **seattle.gov/light/atwork**
- Sign up to receive email updates about the Resiliency Solar Microgrid project