

BATTERY ENERGY STORAGE SYSTEM

BESO Resilience Upgrade Measure

MEASURE INFORMATION

Credits: 3

Description:

A battery storage system stores excess electricity generated by a solar photovoltaic (PV) system for use when the sun isn't shining or during power outages. Paired with solar, it provides reliable energy security when it's needed most and reduces reliance on the grid. Battery storage is especially valuable during peak electricity demand hours (typically 4–9 p.m.), when solar panels are no longer producing and electricity rates are highest. Using stored solar energy instead of grid power during these times can significantly lower your utility bills and reduce emissions.



Installation Criteria:

Install a battery storage system to accompany a solar PV installation to provide backup power and maximize solar use. Must be connected to the electrical grid.

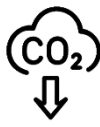
Required Verification Documentation:

- Permit + approved final inspection – *Include “for BESO compliance” in the scope of work section of your building permit application.*

Benefits:



Decrease Utility
Bills



Reduce
Emissions



Electric
Readiness

ADDITIONAL RESOURCES

Permitting Resources:

- Visit the [City of Berkeley’s Solar Permits website](#) for information on the permitting process to install solar PV and/or energy storage systems. If you're new to the process or have questions, you can also [schedule an appointment with a permit specialist](#) for personalized guidance.



- [City of Berkeley's Energy Storage System Code Compliance Checklist](#)

Utility Battery Storage Resources:

- Check out [PG&E's Battery Storage website](#) for more information on battery storage systems.

Rebates and Incentives:

- Check the [Switch Is On](#) for list of available incentives and rebates.
- The [Self-Generation Incentive Program \(SGIP\)](#) is a California financial rebate program and may cover 15 percent to 100 percent of the installation. Installation includes battery storage, or solar and battery storage for residential customers only.