

SOLAR PHOTOVOLTAIC (PV) SYSTEM

BESO Resilience Upgrade Measure

MEASURE INFORMATION

Credits: 3

Description:

A solar photovoltaic (PV) system uses panels that convert sunlight into electricity, helping reduce energy bills and reliance on the grid. Solar panels are most effective when installed on unshaded, south- or west-facing roofs. A complete system includes PV panels, mounting hardware, and an inverter to convert the direct current (DC) electricity generated by the panels into usable alternating current (AC) power for your home. Installation requires a structural roof assessment and proper inverter setup. Pairing solar with battery storage can further lower your emissions and increase savings by allowing you to use stored energy during peak evening hours, when electricity from the grid is often less clean and more expensive.



Installation Criteria:

Install a solar photovoltaic system. Must be connected to the electrical grid.

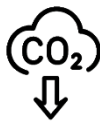
Verification Requirements:

- 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 Solar PV Code Compliance Checklist](#)

Utility Solar Resources:

- Check out [PG&E's Solar PV website](#) for more information on how to install and manage your solar energy system.
- Use [PG&E's Solar PV Calculator](#) to understand your solar savings potential.
- Learn about [Ava Community Energy Solar Billing](#)

Rebates and Incentives:

- Check the [Switch Is On](#) for list of available incentives and rebates.