

How the California Energy Storage Permitting Guidebook is accelerating adoption of customer-side energy storage systems.



The Guidebook is a California-focused, online energy storage permitting resource to help authorities having jurisdiction (AHJs) develop standardized, streamlined local permitting procedures for residential projects and comply with online permitting requirements.

EXISTING BARRIERS

Rapid pace of technological change	Misalignment of code cycles
Variation in how codes are applied	Variation in permit application requirements



GOAL

Develop a shared set of best practices so that customer-side energy storage technologies can be permitted efficiently and installed safely



STAKEHOLDER-DRIVEN

Guidebook content includes input from 60 stakeholders, including permitting agencies, system/installers and industry representatives



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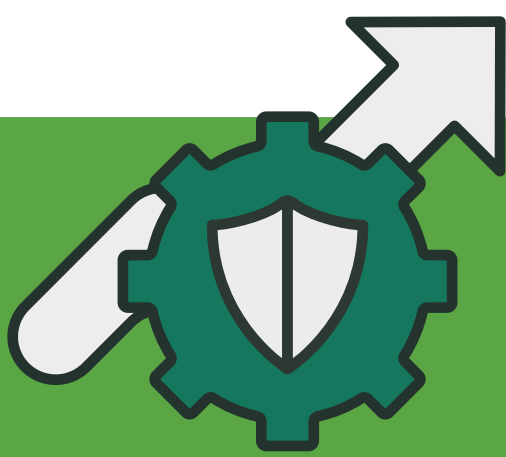
California Energy Commission Electric Program Investment Charge (EPIC) Program

Aiding in the transition to automated permitting software

Senate Bill 379 (Wiener, 2022) requires most California cities and counties to implement an online, automated permitting platform by October 2024 that verifies code compliance and issues permits in real time for paired and standalone residential solar energy systems up to 38.4 kilowatts alternating current (kW-AC).

- A city, county, or city and county combination with a population of greater than 50,000 shall satisfy the requirements by September 30, 2023.
- A city with a population of 50,000 or fewer that is not exempt shall satisfy the requirements by September 30, 2024.
- A city with a population of fewer than 5,000 and a county with a population of fewer than 150,000, including each city within that county, is exempt.

The Guidebook will support cities and counties in this transition by providing guidance on how to integrate existing permitting processes with online permitting platforms and providing training webinars and training materials to highlight industry best practices.



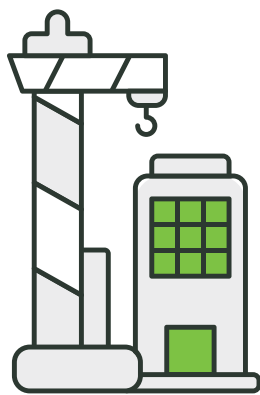
Improving energy storage permitting practices can support electrification goals

Electrification goals means more demand on the electric grid.

Distributed energy resources are critical in helping with demand management and allowing for flexibility.

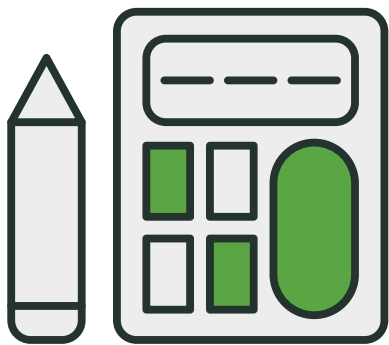
Battery storage can help stabilize intermittent renewable generation such as solar PV.

Automated permitting software speeds up approval for new, residential energy storage installations, streamlining deployment.



GREATER RELIABILITY

Increased deployment of customer-side energy storage can help reduce peak demand on the grid by energy arbitrage and peak shaving.



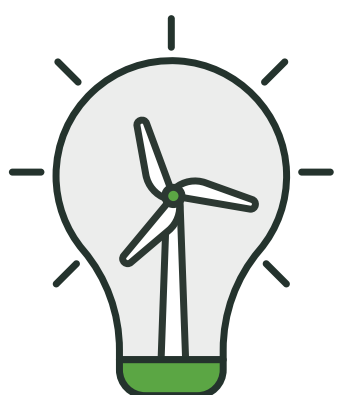
LOWER PERMITTING COSTS

Standardized permitting procedures can reduce the soft costs associated with permitting energy storage systems and reduce schedule delays.



PROVIDE RESILIENCY

Adoption of customer-side energy storage in communities impacted by PSPS events can provide safety to vulnerable medical baseline customers by providing back-up power to critical loads in a planned or unplanned grid outage.



ENVIRONMENTAL BENEFITS

Reduced dependence on fossil fuel peaker plants, increased renewable energy generation integration and reduced greenhouse gas emissions.



Get involved!

Sign up for Guidebook email updates and learn about upcoming events.
<https://www.energystorageca.com/>

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