



Energy Storage for Fire Resiliency Solutions

Case Study: Stone Edge Farm, Sonoma, CA

The Stone Edge Farm microgrid generates, stores, and distributes independently produced, zero emission power onsite. During the 2017 October wildfires the farm remained energy self-sufficient while surrounding areas suffered power outages. Stone Edge Farm effectively “islanded” itself, running independently from the utility grid without interruption to its activities.



Image source: sefmicrogrid.com

Energy Storage systems can help small businesses, individual residences, and communities to stay online during extreme weather events.

CESA is a non-profit membership-based advocacy group committed to advancing the role of energy storage in the electric power sector through policy, education, outreach and research.



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Energy Storage for Resiliency: A No-Regrets Insurance Policy for California

Energy storage technologies can enable resilient communities and maintain reliability for customers in emergency situations. This is critical given the “new normal” of extreme weather events in the state, such as fires, floods, and other events.

CESA is working to ensure that the most vulnerable customers and communities will have access to safe, low emission energy during Public Safety Power Shut-offs (PSPS) events. Storage is an effective and non-polluting alternative to gas and diesel backup generators for PSPS events.

Longer duration storage systems that can provide energy for 6-24+ hours can maintain power for critical infrastructure during an extreme event, particularly when integrated into a clean energy microgrid.



RESILIENT ENERGY SOLUTIONS FOR ALL CALIFORNIANS

- **Protect the Grid:** Microgrids supported by energy storage can allow entire areas of the grid to remain energized and provide electric service during emergencies.
- **Protect the Community:** Energy storage installed in a community center, fire station, school, or hospital will allow vital services such as cooling centers, safety and medical services, and communications during PSPS events.
- **Protect the Individual Customer:** Customers may opt to install resiliency solutions at their home, perhaps with support from incentive programs. This may include vulnerable medical-baseline customers.

Energy storage is a vital part of an effective plan to provide reliable power to the most vulnerable customers and communities during Public Safety Power Shut-offs (PSPS) events while meeting California’s climate goals.