

FEMA's Hazard Mitigation Grant Program

Energy Resiliency Project Funding Opportunity



COUNTY OF
SONOMA

 **Sonoma
Clean Power**

TerraVerde
ENERGY

FEMA's Hazard Mitigation Grant Program

California is receiving FEMA funding regarding this year's wildfire disasters. Local government agencies are able to apply for some of this funding through the California Office of Emergency Services' (Cal OES) 404 Hazard Mitigation Grant Program. Cal OES has yet to release information on the total amount of funding available, and how much funding individual applications can receive. However, the program structure includes:

- Funding for projects that reduce the effects of natural disasters
- A cost share requirement of 75% federal / 25% non-federal
- A 36-month period of performance



FEMA

*Sonoma Clean Power & TerraVerde Energy
would like to partner with Sonoma County
in securing this funding to deploy energy
resiliency projects throughout the County.*



Sonoma Clean Power & TerraVerde Energy



Sonoma Clean Power is a joint powers authority that provides electricity for customers in Sonoma and Mendocino counties, offering services and programs that are practical, affordable, and inclusive, empowering everyone to be part of the transition toward a clean energy future.



TerraVerde Energy is an independent energy advisory firm that supports California public agencies and electricity providers with evaluating and deploying energy projects and programs, including extensive experience in solar PV + battery energy storage projects.

Energy Resiliency Projects

In light of wildfire related Public Safety Power Shutoff (PSPS) events, and the recent rolling blackouts, communities are searching for resources to provide backup power during these outages. One solution is deploying solar PV and battery energy storage systems, that are able to provide both financial and backup power benefits.



Solar PV System



Battery System

Already In Process: Evaluating Local Government & School Projects

Sonoma Clean Power and TerraVerde Energy are in mid-stages of evaluating the technical and financial feasibility of adding battery storage at sites with existing solar on behalf of the following local government agencies and school districts:

The County of Sonoma*

The City of Cotati

The City of Fort Bragg

The City of Rohnert Park

The City of Santa Rosa

The City of Sebastopol

The City of Sonoma

The City of Willits

The Town of Windsor

Alexander Valley Union School District

Bellevue Union School District

Bennett Valley Union School District

Cinnabar School District

Cloverdale Unified School District

Fort Bragg Unified School District

Gravenstein Union School District

Harmony Union School District

Horicon School District

Liberty School District

Petaluma City Schools

Sebastopol Union School District


Two Rock Union School District

West Side Union School District

Windsor Unified School District

** Sonoma County sites included: Airport, Juvenile Justice Center, Data Processing Center*





Sonoma County Energy Resiliency Project

Proposed Framework

- Leveraging the project feasibility assessments already in process with local governments & schools in Sonoma County
- Leveraging California's battery rebate program, the Self-Generation Incentive Program (SGIP), to provide the cost share funds
- Deploy batteries at locations that have existing solar
- Facilities can provide services / shelter during grid outages
- Budget*: \$50M from FEMA + \$17M from SGIP = \$67
- Program Scale: ~30 backup power enabled batteries

** Budget would be amended based on total funding availability*

Sonoma County Energy Resiliency Program Description

Sonoma County is teaming up with Sonoma Clean Power Authority, the joint powers authority providing electricity service for Sonoma & Mendocino Counties, and TerraVerde Energy, an independent energy consulting firm, to deploy backup power enabled battery energy storage systems at 30 municipal and school district facilities. These batteries will be paired with existing, on-site solar PV systems, and will be installed with the switching and controls necessary to enable them to provide backup power to these facilities in the event of these electricity grid outages. Some of these facilities support critical services. Others (including the school district locations) will be established as “community resiliency centers” providing safe, well lit, climate-controlled facilities for the community to access during these outages. These same resources will reduce electricity costs for the municipalities and schools, and be leveraged by Sonoma Clean Power to reduce their electricity procurement costs and provide needed energy services for California’s electricity grid.





TerraVerde Energy's Services

As a support to the project team (Sonoma County & Sonoma Clean Power), TerraVerde is prepared to provide the following services:

- Applying for and administering this FEMA Grant
- Developing and managing a competitive solicitation for these projects
- Supporting contract negotiations with vendors
- Overseeing final design, interconnection, and incentive apps
- Providing construction management services

Grant Application Deadlines	
Notification of Interest Submittal to Cal OES	11/20/2020
Applications due to Cal OES	3/5/2021



What Is Needed From The County

1. Consent to file the Notification of Interest to Cal OES on behalf of the County (**deadline for submittal is 11/20/2020**)
 - No cost, no commitment
2. A County contact to coordinate with on the NOI
3. County specific details for the NOI
 - Federal Information Processing Number (FIPS #)
 - Data Universal Numbering System Number (DUNS #)
 - National Flood Insurance Program (NFIP) community number
 - Whether the County is in good standing with NFIP
 - Local Hazard Mitigation Plan (LHMP) approval date & status



Cordel Stillman
Director of Programs
CStillman@sonomacleanpower.org



David Burdick
Executive Vice President
david@terraverde.energy