



FEMA Hazard Mitigation Grant Program

BACKUP POWER – DATA CENTER GENERATOR

Project:	Stand-alone Generator Project to Protect Critical Datacenter Facilities that Contain Emergency 911, Computer Aided Dispatch, Communications, and Related Public Safety and Emergency Response Systems		
Lead Department:	Information Systems Department (ISD)		
Funding Requested:	\$622,180		
Estimated Total Cost:	\$466,635	Estimated Grant Start Date:	October 2019

PROJECT SUMMARY

Purchase and install a dedicated generator with capacity to operate the County's core data center facility and associated systems, including the Emergency 911 system, in the event of a disruption in commercial power.

PUBLIC BENEFIT OF THE PROJECT

Reduce likelihood of system failure and ensure continuity of operations and communications.

WILDFIRE HISTORY

In the 50 year span from 1964-2015 Sonoma County experienced 18 major wildfires that destroyed nearly 2,000 structures. In October 2017 the "Sonoma Complex Fires" resulted in the loss of life, destroyed nearly 7,000 structures, and burned more than 100,000 acres in Sonoma County and surrounding counties. The fires burned in nearly identical footprints to the 1964 Hanley and Nuns Canyon Fire.

BACKGROUND OF THE PROJECT

The Sonoma Complex Fires were less than a block away from the County Campus, highlighting the fact that the loss of buildings, infrastructure, and equipment could have meant loss of the majority of County systems and data, resulting in the inability to support essential services and critical public safety functions.

THE PROBLEM

The risks of disruption in commercial power to essential services provided by the data center include critical emergency response and public safety systems, specifically the emergency 911, computer aided dispatch, communications, and related public safety and emergency response systems. There is an urgent need to harden the electrical power generation capability to protect core information technology infrastructure.

THE SOLUTION

Project funds will purchase and install a 500kW generator at the data center that will reduce the risk of a prolonged loss of power, during a disaster or due to some other unforeseen cause. In addition, this project will protect the operation of other critical facilities by off-loading data center electrical loads from the power grid thus freeing up capacity to support other priority power needs during a power outage.

For more information contact Lisa Hulette, Senior Grant Manager, Sonoma County Office of Recovery and Resiliency

Email: lisa.hulette@sonoma-county.org