Cal OES
GOVERNOR'S OFFICE
OF EMERGENCY SERVICES

Public Safety Power Shutoff (PSPS)
Resiliency Allocation to Cities Application Form

Applicant Name:	Contact Information:
City of Santa Rosa	Name: David Guhin Phone Number: (707) 543-4299 E-mail Address: DGuhin@srcity.org
Applicant Address:	
100 Santa Rosa Avenue, Room 3 Santa Rosa, CA 95404	
Population of the incorporated city applying for these funds:	The amount of disaster reserve funds, compared to the total incorporated city budget:
174,972	Disaster Reserve Funds: $24.6 Million City Budget: $171.3 Million

Briefly explain the number of hours spent year to date in PSPS:

The City of Santa Rosa experienced 5 PSPS events: 9/23, 10/9, 10/23,10/26 and 10/29

Total Number of Hours spent in PSPS to date: 198 hours

Briefly explain how the Applicant will use the funds to prepare for and respond to PSPS events:

$4.8 million in funding needs have been identified to address resiliency due to PSPS events. Projects include: (1)Generators and generator connections for essential facilities (Senior Center, Homeless Shelter, etc), Battery back up and other clean energy and green solutions for signals and public safety lighting – Cost: $4,440,000.00. (2) Redundant emergency communications (e.g., battery-powered radios) – Cost: $320,000.00. (3) Public Education and Outreach– Cost: $64,350. Attachment includes item specifics and costs.

Please submit by e-mail to: PSPS@caloes.ca.gov

November 11, 2019
PUBLIC SAFETY POWER SHUTOFF (PSPS) RESILIENCY ALLOCATION TO CITIES

$4.8 million in funding needs have been identified to address resiliency due to PSPS events. Projects include:

1. Generators and generator connections for essential facilities (Senior Center, Homeless Shelter, etc), Battery back up and other clean energy and green solutions for signals and public safety lighting
   Cost: $4,440,000.00

2. Redundant emergency communications (e.g., battery-powered radios)
   Cost: $320,000.00

3. Public Education and Outreach
   Cost: $64,350

1. Equipment

- Fuel trailer or additional fuel/service truck to fuel portable generators - During the most recent PSPS combined with the Kincade Fire, the SR EOC was challenged with providing fuel to numerous generators supporting continuity of operations for both water pump stations and sewer lift stations. In addition, the increased capacity would allow for enhanced service to the Laguna Treatment Plant.
- Fleet recommends the acquisition of a bulk fuel tanker truck with the ability to dispense into underground tanks and directly into equipment such as generators, mutual aid equipment. Class 6 2 axle truck with a 3500 Gal. tank and small delivery pumps will suit the need. That would allow the City to self-serve fuel supply to Laguna Treatment Facility, Water Departments STA 4 storage (4000 gal UST at Sonoma/Farmers) as well as all of the current standby generators that operate during a PSPS event. Estimated cost of new vehicle is $200K. Fleet already employs 20 individuals with appropriate CDL licensing to operate this equipment.
- Battery backups for traffic signals - The City is interested in installing battery backup devices at 35 traffic signals. These devices would provide 4-8 hours of transitional operation allowing staff additional time to respond and the public a phased de-engergization. The devices cost approximately $6,500 (includes installation). Total cost of approximately $230,000 for the 35 intersections.

- Emergency lighting at the Downtown Transit Mall – Santa Rosa's Transit Mall is a regional hub serving as a transfer point for five transit agencies providing local, intercity, and regional transit services. The Transit Mall is served by 3,300 bus trips each week, with buses arriving into the early morning hours. There is currently no back-up lighting available at the Transit Mall for security and comfort in passenger waiting areas, which presents a significant operational challenge and safety concern. Tie in a portable 25kW generator to the existing street light system and kiosk. $90,000 project cost.
- Replacement batteries:
    - Replacement UPS batteries – Two City facilities (Public Safety Building and City Hall Annex) have critical digital storage devices that are supported with UPS battery backup systems. Replacement batteries will provide the City with better protection for the City's critical digital operations during PSPS events.
- Portable generators to support continuity of operations for the following locations:
    - MSCN Garage – While this facility is not directly impacted with outages affecting the distribution lines; however, under a larger transmission outage, this critical service facility would be impacted. A 400KW 277/480v Generator with switching gear and installation $350,000
    - Person Senior Wing – The Person Senior Wing is on the same complex as the Finley Community Center and Finley Aquatics Center. This complex serves as the only emergency shelter and cooling/warming center for Santa Rosa. While the Finley Community Center has a backup generator, the Person Senior Wing does not. During shelter operations, the Person Senior Wing acts as the primary dormitory for victims. In the event of a power outage, we will not be able to support as large of a shelter as we will not be able to use the Person Senior Wing. A 400KW 277/480v Generator with switching gear and installation $350,000
    - Steele Lane Community Center – This facility provides additional capacity as a cooling/warming center but does not have an emergency generator. If impacted by a PSPS, this facility will close. With emergency generation, Steele Lane Community Center can continue to serve as a cooling/warming center but also an additional evacuation shelter. A 200KW 120/240v Generator with switching gear and installation $185,000
    - 3rd Street Depression – 3rd Street travels east/west through downtown and under Santa Rosa Plaza. To support the undercrossing, the City operates a storm drain pump to keep the road from flooding. The pump is not currently supported with a generator and will fail during a power outage. While most PSPS events occur during red flag warning events, the loss of this pump places

downtown connectivity at risk. A 200KW 277/480v Generator with switching gear and installation $155,000

- Temporary Fire Station #5 – FS#5 was lost in the 2017 Tubbs Fire. A temporary fire station was constructed to support the community. Unfortunately, the temporary station does not currently have a backup power. During the PSPS event, Santa Rosa has rented a 20 kW portable generator for continuity of operations. A20KW 120/208v generator with switching and installation $43,000
- Sam Jones Hall – The City has one homeless shelter serving 225 beds. This facility was affected during the Oct 26, 2019 PSPS. Without an emergency generator, the City is challenged to maintain operations, including basic life safety issues, such as fire alarms, smoke detectors and support for residents with powered medical devices and medications requiring refrigeration. A 200KW 120/240v Generator with switching gear and installation $235,000
- Public Safety Building – The City's Public Safety Building emergency generator is on the verge of catastrophic failure. This facility not only houses Police headquarters but also dispatch and 911 services. Maintaining operations at this facility is critical. A 600KW 277/480v generator with switching gear and installation $575,000
- Traffic signals at railroad crossings – all signals at railroad crossings are fitted with battery backup devices. These devices have both limited life spans and limited operational capacity. Having a generator to use for each crossing signal will provide the ability to maintain coordination with the rail operations and extend the signal operations past the life of the battery backup systems during PSPS events. Seven (7) 2000W generators will provide that support. Total cost $5,000.
- Traffic Signals – While the City is interested in installing battery backup devices at 200 traffic signals, utilizing generators at critical high volume / high speed intersections or those with unusual orientations will help maintain safety, reduce confusion and better support evacuations when the PSPS is combined with another disaster. Based on the City's experiences in 2019, we believe ten (10) 2000 W generators will provide the necessary support. Total cost $7,000
- Traffic Signal retroreflective backplates – in order to bring greater attention to signalized intersections when the power does go out, a retroreflective border on a signal head highlights the signal head and reflects the vehicle headlights back to the driver. This cost is about $1000 per intersection or $35,000 for the 35 intersections that would typically go dark.
- Traffic Signal Interconnect – Several of the signals that routinely are part of the PSPS do not have signal surveillance compared to the majority of our City. This

system is used to monitor the status of the signals, download timing changes or updates, and notifies the City when the power is back on at those locations. To expand our current system into the Rincon Valley Area, infrastructure would be constructed to connect fiber to our existing system at a cost of approximately $2,500,000.

2. Public Education/Outreach

- Preparing for a PSPS public outreach flyer Printing (for distribution at events), approximate cost: $4,000
- Preparing for a PSPS Water Utility Bill insert: $5,000
- Radio PSA: Pub Ed messaging - Emergency Communications During a Prolonged Power Outage (Twice daily 1-month run on 1350, 100.9, 101.7): $8,000
- Citywide Direct Mailer to all households/businesses with Pub Ed messaging - Emergency Preparedness During a Prolonged Power Outage and introduction to Online Evacuation Toolkit (educating on use of Hi/Lo sirens, staying informed during loss of power, evacuation route education, pre-evacuation checklist)
    - Design contract - 2-sided bilingual postcard: $2,000
    - Translation: $350
    - Print: $12,000
    - Postage and mail house service – approx. 67K households: $17,000
- Video PSA Production Contract - Preparing for a PSPS and Emergency Communications during a Prolonged Power Outage: $5,000
- Social Media Paid Advertisement Campaign - Emergency Preparedness During a Prolonged Power Outage: $1,000
- Digital and print ad buys ad with local news publications — Press Democrat, La Prensa, Sonoma Family Life Magazine, La Voz - Preparing for an emergency during a prolonged power outage (linking to City evacuation toolkit website): $10,000