

PUBLIC SAFETY POWER SHUTOFF (PSPS) TRAINING

FUNDED BY COMMUNITY DEVELOPMENT BLOCK GRANT

CITY OF MALIBU

PUBLIC SAFETY SPECIALIST

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WHAT IS A PSPS?

- National Weather Service forecast meeting the below conditions power companies (SCE, PGE, and DWP) may proactively turn off power to high-risk circuits to reduce the risk of Wildfire.
 - Critical fire weather conditions
 - A high wind event like the Santa Ana
 - High temperatures
 - Low relative humidities

SOUTHERN CALIFORNIA EDISON (SCE)

- SCE provides alerts to all registered customers
- It is important to register with SCE beforehand to be notified of services interruptions, planned outages, and PSPS
- To register visit :
<https://www.sce.com/wildfire/pssp-alerts>



SCE PSPS NOTIFICATION TIMELINE

- **2 Days Ahead:** SCE sends initial notifications to customers, and update notifications to local government and agencies
- **1 Day Ahead:** SCE sends update notifications including any updated timing information
- **1-4 Hours Before:** Whenever possible, SCE sends notifications that power will be shut off
- **Sudden onset of conditions may impact SCE's ability to provide advanced notice to customers**



OUTAGE & RESTORATION

- **Power Shutoff:** SCE sends notifications that power has been shut off.
- **Preparing for Re-energization:** SCE sends notifications before re-energization occurs. Field crews inspect equipment to determine it is safe to restore power. May take several hours to inspect the power lines.
- **Power Restoration:** SCE send notifications that power has been restored.
- **PSPS All Clear:** SCE send notifications to customers on circuits that are no longer being considered for PSPS.

SITUATIONAL AWARENESS



- Pay attention to the weather
- Watch for Red Flag warnings and Santa Ana Conditions that may signal an impending PSPS
- Use Red Flag warnings and Santa Ana wind events as triggers to prepare
- Register to receive alerts on SCE's website:
 - <https://www.sce.com/wildfire/pssp-alerts>

HOW TO PREPARE

- Check your emergency kit
- Back your car into your driveway
- Know how to operate your gate and/or garage door without power
- Charge your backup battery to 100% before a potential PSPS



HOW TO PREPARE

- Consider leaving the impacted area until forecasted conditions are over if you have medical equipment that requires electricity to run
 - Breathing machines (respirators, ventilators)
 - Power wheelchairs and scooters
 - Oxygen, suction, or home dialysis equipment
 - C-PAP machines



GATHER SUPPLIES - LIGHTING

- Flashlights and lanterns
 - Battery
 - Have extra batteries handy
 - Solar
 - Hand crank
- Safer than candles for lighting in your home



GATHERING SUPPLIES - CASH

- Keep cash in your kit in **SMALL BILLS**
- KEEP as much as is reasonable for you and your situation
- No power means stores may not have the ability to handle credit card transactions



GATHERING SUPPLIES - FUEL



- In California, is it ideal to always have at least half a tank of gas in your car
- During a PSPS gas pumps may be inoperable
- Fill up your car with gas before the power is shut off, if possible

DURING PSPS – REFRIGERATOR

- A refrigerator will keep food cold for about four hours
- A full freezer will keep its temperature for about 48 hours
- Place bags of ice in the refrigerator and freezer, or an additional cooler
- **DO NOT OPEN** refrigerator or freezer doors while the power is out



DURING PSPS – COMMUNICATIONS

- Use hand-crank radios tuned to news channels
- Use battery back-up to charge phones using the USB port
- Use car radio tuned to news channels



DURING PSPS – MEDICAL EQUIPMENT

- Use battery backup to provide continuous power to essential medical equipment while leaving the affected PSPS area
 - Friends
 - Family
 - Hotel
- Before using battery back-up make sure of the below:
 - Battery is fully charged
 - Battery Back-up output wattage matches medical equipment needs safely
 - All associated cables and equipment are stored together

AFTER PSPS- FOOD

- Throw away any food that was exposed to temperatures above 40°F for two hours or more, or anything that has an unusual odor, color, or texture
- Keep a thermometer in your fridge check the internal temperature upon power restoration



AFTER PSPS – MEDICINE

- If the power is out for more than a day discard any medication that requires refrigeration unless the label says otherwise
- Call your pharmacist to order more





BATTERY BACK-UP

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- Limit of 1 per household
 - Must be a resident of Malibu, CA
 - Must be over 55 years of age and provide a copy of valid identification proving age
 - Read the user manual and follow all listed directions, instructions, and warnings

JACKERY EXPLORER 500 - CHARGING

- CHARGE TO 100% WHEN YOU GET HOME AS SOON AS POSSIBLE.
- A car outlet charger is supplied (not recommended for initial user charge)
- A wall outlet charger is supplied (highly recommended for initial user charge)
- Takes between 2-8 hours for first charge



JACKERY EXPLORER 500 - OUTPUTS



- The Jackery Back-up battery has
 - 500W, 110V AC output
 - 1 car outlet 12V, 10A output
 - 2 DC 12V, 10 A outputs
 - 3 USB-A port 5V, 2.4A outputs

JACKERY EXPLORER 500 – USING AC/DC OUTPUTS

- Only plug one thing in at a time when using the AC or DC outlets
- DO NOT plug an extension cord into the AC outlet to run multiple electronics
- Double-check all voltage and wattage requirements before powering with Jackery Explorer 500



JACKERY EXPLORER 500 – SAMPLE USES

DC OUTPUTS

- Fully charged Jackery Explorer 500 will power a car fridge for around 37 hours



AC OUTPUTS

- Fully charged Jackery Explorer 500 will power a CPAP machine between 13 and 40 hours depending on the energy draw



CHARGE EVERY 6 MONTHS TO MAXIMIZE BATTERY LIFE

- ONLY use original or certified charger and cables
- Avoid extreme temperatures
- Avoid dropping
- DO NOT disassemble
- DO NOT expose to liquids



ADDITIONAL RESOURCES

- sce.com/wildfire/psps
- www.malibucity.org/psps
- <https://energized.edison.com/psps-decision-making>
- <https://www.listocalifornia.org>
- <https://www.Ready.gov>
- <https://ready.lacounty.gov/>

QUESTIONS?
