



SOUTHERN CALIFORNIA  
**EDISON**<sup>®</sup>

---

OUR COMMITMENT  
TO KEEPING  
COMMUNITIES SAFE

*ACTON*



# **PSPS OPERATIONS UPDATE & GRID HARDENING**

# HARDENING ELECTRIC GRID & INFRASTRUCTURE



## COVERED CONDUCTOR

Replacing bare wire with covered conductor to reduce faults and ignition risk from contact from objects as well as safely raise windspeed thresholds for PSPS in targeted areas. More than 6,450 miles of covered conductor installed since 2018.



## FIRE RESISTANT POLES & WRAPS

Installing mix of composite poles and wooden poles with fire-resistant wrap to reduce risk of damaged poles during an emergency. Expanding the deployment of fire-resistant wrap on structures.



## PROTECTIVE DEVICES

Using faster grid protection settings to interrupt electric current more quickly when there's an electrical fault, remote-controlled sectionalizing devices to segment and isolate portions of circuits during PSPS events and deploying Rapid Earth Fault Current Limiter (REFCL) to instantly reduce energy released from a downed line.



## TARGETED UNDERGROUNDING

Undergrounding in targeted high fire areas and based on risk criteria and feasibility, nearly eliminating wildfire and PSPS risks associated with electric facilities. About 40 miles of undergrounding completed since 2021.



## TRANSMISSION HARDENING

Expanding and evaluating strategies to address ignition risks on the higher voltage transmission system and increase system robustness.

# EXECUTING PSPS EFFECTIVELY:

## THRESHOLDS FOR ACTIVATION AND DE-ENERGIZATION

### FIRE POTENTIAL INDEX (FPI)

Formula estimates the potential of fire ignition and spread



### THRESHOLDS FOR DISTRIBUTION CIRCUITS

**Currently set in the elevated range in most areas contingent on fire suppression resources availability**

### WINDSPEED THRESHOLD FOR ACTIVATION

Wind speeds at which our system is vulnerable to flying debris or that pose a risk to our infrastructure



**Bare wire circuits:** National Weather Service's Wind Advisory of sustained windspeeds of 31 mph or gusts of 46 mph.

**Fully covered conductor circuits:** National Weather Service's High Wind Warning of sustained windspeeds of 40 mph or gusts of 58 mph.

Wind speeds determined separately for each circuit based on specific event risks. If actual conditions suggest more risk, or in large-scale events when many circuits are under consideration for shutoffs, the de-energization thresholds will be lowered (discounted), meaning power on a circuit will be turned off at lower wind speeds.

Decision-making fact sheet available at [sce.com/psps](https://sce.com/psps)

# UPDATES TO PSPS PROGRAM

## FPI AND WINDSPEED CRITERIA REFINEMENTS

- Updated application of FPI when broader fire weather concerns identified
- When new FPI criteria is applied, suggests 20-40% more PSPS activation days and event size is up to twice as large in 2025 assuming similar weather to 2024
- Refined application of windspeed discount factors

## NEW HFRA CIRCUITS AND EXPANDED BOUNDARIES

- 32 new circuits and ~47,000 more customer accounts now in HFRA and in scope for PSPS
- Expanded precautionary boundaries around HFRA; up to ~123,000 more customer accounts could be in scope for PSPS
- Includes areas and customers that have not experienced PSPS in the past

## 24/7 MONITORING AND ALERT SYSTEM

- Capturing unexpected weather (outside of current PSPS activation) meeting PSPS de-energization thresholds
- Circuits could be de-energized immediately at any time, day or night
- IMT activation and notifications would follow

# VEGETATION MANAGEMENT

## 2025 Progress

Inspected and  
cleared brush  
at **88,238** poles

- Hazard tree removal beyond traditional trim zone
- SCE inspects every year up to **1.6** million trees that might pose a hazard to power lines throughout its **50,000**-square-mile service area
- More than **749,000** are located in high fire risk areas
- Vegetation removal at poles and around power lines
- Remote sensing and satellite technology utilized to enhance inspections and vegetation management

# **CUSTOMER PROGRAMS & RESILIENCY**

---

# MITIGATING IMPACTS OF PSPS – COMMUNITY CARE RESOURCES

## **100 Community Resource Centers**

(9 resilient) that provide water, snacks, thermal bags for medication, and access to charging stations for mobile devices and medical equipment

## **8 Community Crew Vehicles**

Deployed to locations where we can't open an indoor center; provide similar services as Community Resource Centers

## **8 Resiliency Zone Sites**

Powered by backup generator provided by SCE to operate even if the local power is down

---

## CUSTOMER BACK-UP BATTERY PROGRAMS

- **Critical Care Battery Backup Program** for customers on Medical Baseline Allowance
- **In-Event Battery Loan Program** for customers with medical devices or assistive technologies
- **\$200 / \$600 rebates** on qualifying portable generators
- **\$150 rebate** on portable power stations
- **Self-Generation Incentive Program (SGIP)** for energy storage and solar

# ADDITIONAL SUPPORT

Access & Functional Needs (AFN)  
Resources

Disability Disaster Access and  
Resource (DDAR)

Local Food Banks

Community Based  
Organizations



Disability Disaster  
Access & Resources



---

# MICROGRIDS FOR RESIDENTIAL CUSTOMERS

Typically consist of solar  
+ battery storage

Have blue-sky benefits  
(time-of-use load  
shifting, demand  
response)

Solar can require  
significant rooftop square  
footage

Interconnected in  
parallel with the grid

Eligible for tax benefits /  
grants

Require interconnection  
agreement

---

# BACKUP GENERATORS

Safety considerations

Requires interconnection application when connected to panel

Most are gas or diesel (requiring refueling), some are natural gas

Requires maintenance, testing, training, etc.

Can be noisy & foul smelling

Not considered a clean source of power

# PSPS CUSTOMER COMMUNICATIONS

## Notifications

- SCE provides PSPS notifications through various communication channels
  - SCE Account Holders (email, text, and voice call)
  - Address Level Alerts
- Non-customers can sign up at [scepssp.com](https://scepssp.com)

## SCE Outage Map

- Consolidated outage map that incorporates PSPS outages at [sce.com/outagemap](https://sce.com/outagemap)

**Power Outages**

Search by address, city, county or ZIP

[Click here to enter the outage number and check the status](#)

**Current Outages** 28 Outages | 1,065 Customers Impacted

**Upcoming Scheduled Outages** 1,531 Outages Scheduled | 68,293 Customers Possibly Impacted

**Public Safety Power Shutoff (PSPS)**  
Search for an address to see specific PSPS details or see county-level details [below](#).

Not Seeing Your Outage? [Report](#)  
Last Updated: 5/2/2022 - 6:02 PM PST

**Outage Alerts**  
Stay informed about unplanned repair and planned maintenance outages. [Get Alerts >](#)

**Community Support**

[Resource Centers](#) [Crew Vehicles](#) [Further Assistance](#)

**SCE Community Resource Centers** are available to support customers during a Public Safety Power Shutoffs... [More >](#)

The map displays various locations in Southern California with yellow warning icons and numbers indicating outages. Locations include Lancaster (54), Palmdale (21), Santa Clarita (39), Simi Valley, Thousand Oaks (57), Los Angeles (250), West Covina, Ontario, Santa Monica (85), Redondo Beach (453), Long Beach (72), Huntington Beach, Lake Forest, Laguna Niguel, and San Clemente. Major highways like 138, 126, 57, 85, 72, and 2 are also visible.

**THANK YOU**