AGENDA

- Outage Overview
- SCE’s Wildfire Mitigation Strategy
- Preparedness is Key
- Communications Resources
- Questions
SAFETY MOMENT

Tips on how to handle metallic balloons safely:

• Metallic balloons should never be released outdoors.
• Metallic balloons should always be tied to a weight.
• Stores and vendors should only sell properly weighted balloons.
• Keep the balloons indoors when possible.
• Never try to retrieve balloons tangled in power lines or electrical equipment. Call 911 instead.
• Cut the knot or puncture balloons before disposing of them.
Outage Overview
# Outage Types

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maintenance Outages:</strong></td>
<td>A scheduled outage that occurs when SCE turns the power off for equipment upgrades. Customers are notified a minimum of three days in advance if they will be affected.</td>
</tr>
<tr>
<td><strong>Repair Outages:</strong></td>
<td>An outage caused by unexpected circumstances, such as a car crashing into a pole resulting in a power outage.</td>
</tr>
<tr>
<td><strong>Emergency Operational Outage:</strong></td>
<td>An outage taken to make emergency repairs before the condition deteriorates further resulting in a repair outage.</td>
</tr>
<tr>
<td><strong>Public Safety Power Shutoff (PSPS):</strong></td>
<td>A preventive outage called during extreme and potentially dangerous weather conditions to mitigate effects of catastrophic wildfire. These last-resort shutoffs are temporary measures to keep customer and communities safe.</td>
</tr>
<tr>
<td><strong>Public Agency Outages:</strong></td>
<td>Outages requested by a public/government agency (i.e., firefighters) where SCE's facilities could pose a danger to emergency first responders.</td>
</tr>
</tbody>
</table>
Maintenance Outage Process

- Maintenance outages are entered into SCE’s outage management system (usually less than 13 days before the outage)
- Outage requests are further reviewed for opportunities to reduce the number of customers impacted and/or reduce the duration of the outage
- Outage notification letters are distributed to impacted customers 3 to 8 days in advance of the outage (If time does not allow for a letter to be mailed, a door hanger is used)
- All customers receive automated notifications 11 days in advance of the outage through the communications channel of their choice (e-mail, text, automated phone call)
Common Repair Outages

- Private Underground Dig-in 811
- Fire
- Contamination Flashover (dirt on the lines creating arc, bird droppings etc.)
- Birds or animals on equipment
- Heavy rain flooding vaults and/or washing out poles
- Overloaded equipment during heat storm
- Vandalism/Theft
- Car hit pole
Mylar Balloons on Power Lines

XXX incidents of wire down caused by metallic balloons
Rotating Outage Site

Why Rotating Outages?
- When demand for power begins to outpace available supply
- CAISO will direct utilities to reduce load immediately

Information Available
- Status of current outage event
- Order of Rotating Outage Groups
- Maps of Rotating Outage Groups
- FAQs

Need Your Help
- Update Contact Information
- Critical Care / Medical Baseline
PHASES OF A CAISO EMERGENCY

Energy Emergency Alerts

EEA Watch: Analysis shows all available resources are committed or forecasted to be in use, and energy deficiencies are expected.

EEA 1: Real-time analysis shows all resources in use or committed for use, energy deficiencies expected. Market participants encouraged to offer supplemental energy and ancillary service bids.

EEA 2: ISO requests emergency energy from all resources and activated emergency demand response program. Consumers urged to conserve energy.

EEA 3: ISO unable to meet minimum Contingency Reserve requirements. Controlled power curtailments imminent or in progress according to utility's emergency plan. Maximum conservation requested.

SCE on alert and Electrical services IMT

Demand-response programs triggered

Rotating Outages called

Flex Alerts-Issued by CAISO as stand-alone request for conservation:

“A Flex Alert is typically issued in the summer when extremely hot weather drives up electricity use, making the available power supply scarce. This usually happens in the evening hours when solar generation is going offline, and consumers are returning home and switching on air conditioners, lights, and appliances.”

--from flexalert.org
Rotating outage group numbers are on customer bills and tied to addresses on the sce.com outage map. Once a group has participated in a rotating outage, it is moved to the bottom of the outage list and unlikely to be called again in the same emergency.

Use the address look-up feature on the outage map to determine the group number for any address.

Group A078 has not been called recently. After A080, groups will cycle back to A001.
Our Commitment to California
Keeping our communities safe from wildfires
2022 YEAR-END PROGRESS UPDATE

Distribution Equipment Inspections
- 2022 Completed/Target: 162,721/150,000 inspections
- Completed Since 2018: 926,700+ inspections
- 108% completed

Transmission Equipment Inspections
- 2022 Completed/Target: 17,225/16,000 inspections
- Completed Since 2018: 124,100+ inspections
- 108% completed

Covered Conductor
- 2022 Completed/Target: 1,399/1,100 circuit miles installed
- Completed Since 2018: 4,380 circuit miles installed
- 127% completed

Fast-Acting Fuses
- 2022 Completed/Target: 369/350 fuses installed or replaced
- Completed Since 2018: 13,700+ fuses installed or replaced
- 105% completed

Hazard Tree Management
- 2022 Completed/Target: 467/330 circuits assessed
- Completed Since 2018: 1,320+ circuits assessed
- 142% completed

Weather Stations
- 2022 Completed/Target: 160/150 weather stations installed
- Completed Since 2018: 1,620+ weather stations installed
- 107% completed

High-Definition Wildfire Cameras
- 2022 Completed/Target: 16/10 cameras installed
- Completed Since 2018: 180+ cameras installed
- 160% completed

Aerial Fire Suppression Resources
- Contributed $18 million in 2022 to lease the quick reaction force of aerial firefighting assets to local fire agencies in SCE’s service area to coordinate and reach wildfires in their early stages. These unique water and fire retardant dropping helicopters have the capability to operate day and night.

Critical Care Backup Battery
- 2022 Completed: 3,466 batteries provided to eligible customers
- Completed Since July 2020: 10,200+ batteries provided to eligible customers

Community Resource Centers
- 64 sites available

Community Crew Vehicles
- 8 vehicles available
A COMPREHENSIVE STRATEGY TO PREVENT, COMBAT AND RESPOND

HARDENING THE ELECTRIC GRID

ENHANCING OPERATIONAL PRACTICES

BOLSTERING SITUATIONAL AWARENESS CAPABILITIES
MULTI-LAYERED WILDFIRE MITIGATION STRATEGY

**Situational Awareness**
to assess conditions including wind, fuel moisture, and fuel density, and inform grid operations and protocols

**Vegetation Management**
to inspect and mitigate grow-ins, blow-ins, and fall-ins

**Asset Management & Inspections**
to mitigate equipment and facility failure and contact from foreign objects

**System Hardening**
to mitigate contact from foreign objects and equipment and facility failure
Notifications
• SCE provides PSPS notifications through various communication channels
  • SCE Account Holders (email, text, and voice call)
  • Address Level Alerts
• You can manage your outage notifications and ensure your information is current in the customer preference center.

SCE Outage Map
• Consolidated outage map that incorporates PSPS outages at sce.com/outagemap
### PLANNING AND MONITORING

SCE will target the schedule above to notify customers. Sudden onset of hazardous conditions that jeopardize public safety may impact SCE’s ability to provide advanced notice to customers. Notifications can be provided via email, text, voice call, and TTY formats and address-level alerts.

#### OUTAGE

<table>
<thead>
<tr>
<th>Timeframe</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4-7 DAYS AHEAD</strong></td>
<td>SCE begins planning for potential PSPS</td>
</tr>
<tr>
<td><strong>3 DAYS AHEAD</strong></td>
<td>SCE Incident Management Team activated</td>
</tr>
<tr>
<td><strong>Power Shutoff</strong></td>
<td>Notification when authorized</td>
</tr>
<tr>
<td><strong>PREPARING FOR RE-ENERGIZATION</strong></td>
<td>Notification before re-energization occurs</td>
</tr>
<tr>
<td><strong>Power Restoration</strong></td>
<td>Notification power restored after inspection</td>
</tr>
<tr>
<td><strong>2 DAYS AHEAD</strong></td>
<td>Initial notifications to local and tribal governments, emergency officials,</td>
</tr>
<tr>
<td><strong>(Alert)</strong></td>
<td>first responders, critical infrastructure and service providers.</td>
</tr>
<tr>
<td><strong>Preliminary</strong></td>
<td>Preliminary forecasted circuits and periods of concern are posted to sce.com</td>
</tr>
<tr>
<td><strong>1 DAY AHEAD</strong></td>
<td>Updates to notifications</td>
</tr>
<tr>
<td><strong>(Alert)</strong></td>
<td>Initial notifications to customers</td>
</tr>
<tr>
<td><strong>Update</strong></td>
<td>Update notification sent</td>
</tr>
<tr>
<td><strong>1-4 HOURS BEFORE SHUTDOWN</strong></td>
<td>Imminent shutdown notification</td>
</tr>
</tbody>
</table>

**PSPS IDEAL TIMELINE**
### Reducing Wildfire Risk & PSPS Impacts – By the Numbers

SCE has reduced the probability of catastrophic\(^1\) wildfires associated with its equipment by about **75-80%** since 2018.

- **~4,400 miles** of covered conductor
- **1.9 million+** trims and removals
- **1 million+** HFRA inspections
- **1,620+** weather stations
- **180+** HD cameras

**Completed in high fire risk areas since 2018 through 2022**

### Improved PSPS Execution & Customer Support

- **~99%** less PSPS outage time on frequently impacted circuits in 2022 compared to 2019\(^2\)
- **64** Community Resource Centers and **8** Community Crew Vehicles available
- Deployed **10,200+** Critical Care Back-up batteries to Medical Baseline customers

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1. A wildfire directly causing one or more deaths, damaging or destroying more than 500 structures, or burning more than 140,000 acres of land
2. 212M to 2.8M customer minutes of interruption

Data as of 12/31/22
## MAINTAINING FOUNDATIONAL STRATEGY WHILE ADVANCING KEY INCREMENTAL FOCUS AREAS EACH YEAR

<table>
<thead>
<tr>
<th>Year</th>
<th>Foundational Strategy</th>
<th>Granular Wildfire Risk, PSPS Mitigation</th>
<th>Integrated Wildfire Mitigation Strategy</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Updated grid hardening strategy</td>
<td>Refined risk analysis models</td>
<td>Advance transmission hardening</td>
</tr>
<tr>
<td></td>
<td>Bolstered situational awareness capabilities</td>
<td>Enhanced inspection strategy</td>
<td>Continue reducing PSPS impacts</td>
</tr>
<tr>
<td></td>
<td>Enhanced operational practices</td>
<td>Reduced PSPS impacts</td>
<td>Expand aerial fire suppression funding to year-round in 2023</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Funded aerial fire suppression</td>
<td>Further advance new technologies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Piloted new technologies</td>
<td></td>
</tr>
</tbody>
</table>
PUBLIC SAFETY POWER SHUTOFFS

• A tool of last resort used during dangerous fire conditions (weather and fuels)

• De-energizing lines to prevent a spark from our equipment starting a significant wildfire

• Primarily impacts circuits in high fire risk areas

• Use of multiple methods to notify customers and partners in affected areas before, during and after a PSPS event

• Continue efforts to reduce the frequency, scope, duration and customer impacts of PSPS
STAY INFORMED

• Visit our website
• Attend a community meeting

SIGN UP

• PSPS alerts
• SCE’s Medical Baseline program
• SCE programs and rebates

BE PREPARED

• Be prepared with a safety preparedness plan, some basic supplies and advance planning
• Power outage tips

Website: sce.com/wildfire
Energized by Edison Stories & Videos: edison.com/wildfire-safety
SCE Customer Support: 1-800-655-4555
Preparedness is Key

Keeping safe during outages
Outage Preparedness Kit

• Create a safety preparedness plan for your family, including any special needs and pets
• Keep important phone numbers nearby (hospital, doctor, relatives, etc.)
• Learn how to manually open automatic garage doors or gates
• Familiarize yourself with your home’s utility boxes and how to turn them off
• Install surge protectors to help safeguard electronic equipment
• If considering a generator, consult with a licensed electrician to determine the proper equipment and safe set up
DOWNLOADABLE EMERGENCY PREPAREDNESS GUIDE

Primary Contact Information
Name: Chevy Chase
Phone: 805-123-4567
Cell Phone: 909-987-8543
Street Address: 1234 Main Street, My City, CA

Emergency Contact Information #1
Name: Steve Martin
Phone: 626-456-9535

Emergency Contact Information #2
Name: Martin Short
Phone: 323-856-7459

Emergency Location Information:
Emergency Kit Location: Pantry
Emergency Meeting Location: Costco at 8945 Short Street, That City, CA
Nearest Hospital: ACME Hospital at 8161 Swing Drive, This City
Evacuation Center: My City Community Center at 5543 Putter Drive, This City
Location for Supplies (E.g. Ice): Local Grocery Store
Generator Rental: ACME Generators
Nearest Cooling Station: My City Community Center at 5543 Putter Drive, This City

Medical Contact Information
Doctor's Name: Michaela Quinn
Phone: 213-555-6985
Pharmacy Phone: 231-486-7512

Prescription #1: Morning Meds
Prescription #2: Afternoon Meds
Prescription #3: Bedtime Meds
Prescription #4:
Prescription #5:
Prescription #6:

Important Links
Community Safety: sce.com/wildfire/Community-Safety-Events
View Outages: sce.com/outage
Manage Outage alert preferences: sce.com/outagealerts
Medical Baseline Application: sce.com/medicalbaseline
SCE Facebook: Facebook.com/sce
SCE on Twitter: @sce
SCE on YouTube: YouTube.com/sce

sce.com > Outage Center > Outage Tips > Outage Information Kit
- Redcros.org – American Red Cross
- Caloes.ca.gov – California Governor’s Office of Emergency Services
- Ready.gov – US Department of Homeland Security

Notes and Additional Information:
FOOD SAFETY TIPS

- **Keep it closed**: Open refrigerator and freezer doors only when necessary. Depending on the outside temperature an unopened refrigerator can keep foods cold enough for several hours. Check food carefully for signs of spoilage.

- **Draw the line at 40 degrees**: Perishable foods should not be held above 40 degrees Fahrenheit for more than two hours.

- **Coolers & ice chests**: For outages longer than two hours, food items such as dairy products, meats, fish, poultry, eggs and leftovers should be packed into a cooler with ice. A separate cooler can be packed with frozen items.

- **Cans & dry goods**: Canned and dry goods and powdered or boxed milk, can be eaten cold or heated on a grill.

- **Leave a light on**: When you go to bed, leave a bedroom light switched on. It will wake you when power returns, so you can check the condition of your food.

- **If you’re not home**: If a power outage happens while you’re out of the house, try to determine how long it has been out. Check the internal temperature of perishables in your refrigerator with a quick-response thermometer; any item above 40 degrees should be thrown out.
Communication Resources

Keeping our communities informed
SIGNING UP FOR NOTIFICATIONS

1. Sign in or set up your account on SCE.com

2. Once signed in, click on Settings
3. Clicking on the Settings will open some new Options. Select Outage Alert Preferences

4. Finally, input your desired contact information for either email, texts or phone call notifications
SCE.COM OUTAGE CENTER AND MAP

- Quick Services
- Your Home
- Your Business
- Customer Support
- Partners & Vendors

Outage Center
- Report a Power Outage
- Report a Street Light Outage
- Current Power Outages
- Maintenance Outage status
- All About Power Outages
- Public Safety Power Shutoffs
- Rotating Outages

Current Power Outages

Home > Outage Center > Current Power Outages

Public Safety Power Shutoff (PSPS)

View a map of current and potential PSPS areas, in addition to areas of high fire risk. You can also see the number of affected SCE customers by county.

View Current Power Outages

Select an icon on the map to learn more about the outage and our estimated restoration time.
CONTACT INFORMATION

(800) 655-4555

(800) 611-1911
Questions...
Thank you for joining us today...