Our Commitment to California

Keeping our communities safe from wildfires

Community Meeting for Acton, Agua Dulce, Green Valley and Lake Hughes
March 30, 2021
SCE Presenters

David Ford
Government Relations Manager
Local Public Affairs

Erik Takayesu
Vice President
PSPS Readiness

Terry Ohanian
Director
Expedited Grid Hardening

David Kaintz
Senior Manager
Customer Service
AGENDA

• 2020 Wildfire Season
• SCE’s Wildfire Mitigation and PSPS Action Plans
• Reducing the Need for PSPS
• PSPS Notifications
• Customer Care Programs
• Engaging Our Communities
• Resources
• Q&A
California’s wildfires in 2020 were the worst on record, with dry vegetation and strong winds threatening our communities during an unprecedented fire season.
SCE’s PSPS Execution

- To reduce the threat of wildfires, SCE implemented Public Safety Power Shutoffs (PSPS) that impacted about 138,000 customers, with some customers experiencing multiple PSPS outages.

- We understand the significant impact that PSPS has on communities, especially during a pandemic when many people are working and learning from home.

- PSPS is used as a measure of last resort to protect public safety under dangerous fire weather conditions.

- We are working to reduce the impact of PSPS and are continuing to strengthen the electric grid to become more resilient in the face of extreme weather events.
Wildfire Mitigation Activities

2020 Year-End Progress Report – Data as of 12/31/20

**Distribution Asset Inspections**
- 2020 Completed/Target: 199,000/105,000 assets inspected
- Completed Since 2018: 584,300 assets inspected

**Transmission Asset Inspections**
- 2020 Completed/Target: 35,500/22,500 assets inspected
- Completed Since 2018: 86,100 assets inspected

**Covered Conductor**
- 2020 Completed/Target: 960/700 circuit miles installed
- Completed Since 2018: 1,480 circuit miles installed

**Fire-Resistant Poles**
- 2020 Completed/Target: 6,090/5,200 poles installed
- Completed Since 2018: 7,510 poles installed

**Fast-Acting Fuses**
- 2020 Completed/Target: 3,025/3,025 fuses installed
- Completed Since 2018: 12,900 fuses installed

**Sectionalizing Devices**
- 2020 Completed/Target: 49/45 devices installed
- Completed Since 2018: 100 devices installed

**Hazard Tree Management**
- 2020 Completed/Target: 99,500/75,000 trees assessed
- Completed Since 2018: 228,500 trees assessed

**Weather Stations**
- 2020 Completed/Target: 690/375 weather stations installed
- Completed Since 2018: 1,050 weather stations installed

**High-Definition Wildfire Cameras**
- Cameras thoroughly covering our high fire risk areas were installed by 2020.
- Completed Since 2018: 166 cameras installed

**Community Resource Centers**
- 56 sites available

**Community Crew Vehicles**
- 8 vehicles available

5
Our PSPS Action Plan

We are implementing a plan to reduce the impact of PSPS to our customers and communities

- **Reducing the Need for PSPS**
  - Expediting grid hardening and other measures

- **Executing PSPS More Effectively**
  - Making decision-making process transparent, improving communications and notifications

- **Reducing the Impacts of PSPS**
  - Increasing customer and community resiliency

- **Keeping Partners and Customers Informed**
  - Educating and engaging our communities and stakeholders

- **Enhancing Post-Event Reporting**
  - Improving our post-event reports to make them more transparent and clearer
Reducing the Need for PSPS

• We are putting specific emphasis on those circuits most frequently impacted by PSPS while continuing work on other circuits subject to PSPS

• Grid hardening make circuits more resilient in the face of extreme weather events and reduce the scope, frequency and duration of future PSPS events
# Tools to Reduce Need for PSPS

<table>
<thead>
<tr>
<th>Insulated Wires</th>
<th>Segmentation</th>
<th>Weather Stations</th>
<th>Switching Protocols</th>
<th>Operational Protocols</th>
</tr>
</thead>
<tbody>
<tr>
<td>Targeted replacement of bare wire with insulated wires (covered conductor) to be able to safely raise windspeed thresholds for PSPS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Installing additional automated devices to further isolate and reduce the number of customers that have to be de-energized per circuit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adding new weather stations to improve situational awareness and increase accuracy of PSPS operations – so only those circuits facing danger are in scope</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Continuing to develop circuit-specific protocols to move customers to nearby circuits not impacted by PSPS, to reduce the number of customers remaining on an affected circuit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up-to-date information on ground conditions, such as lack of vegetation, recent burn scars, and location of poles and wires are considered to assess wildfire threat and the need for PSPS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Why Does My Neighbor Have Power and I Don’t?

The location of your home or business on a circuit and the area of severe weather relative to your local substation are important factors in determining whether or not you are impacted by a Public Safety Power Shutoff (PSPS).

**Neighborhood with power shut off due to PSPS**
- Wires originate in windy area with high fire risk

**Neighborhood keeps power during PSPS**
- Wires originate in area with lower fire risk
EXAMPLE OF REDUCING THE NEED FOR PSPS

- SCE has identified this circuit for expediting grid hardening due to being impacted by multiple PSPS events.

- In 2021, SCE plans to:
  - Install insulated wires on all existing overhead wire
    - Circuit is mostly complete and is expected to be completely covered with insulated wire by the end of August.

- If these improvements are successfully implemented:
  - Of the six 2020 PSPS outages, all of the outages would have not occurred due to increased wind speed thresholds.
Identified Circuits for Expedited Grid Hardening in Acton and Agua Dulce
**EXPECTED IMPROVEMENTS**

With the implementation of our plans, we expect to see an **86% reduction in customer outage time** across the frequently impacted circuits in the **Acton and Agua Dulce** communities compared to 2020, assuming the same weather conditions.

1) Frequently impacted circuits are circuits that have experienced four or more PSPS related outages in 2019-2021.
2) Customer outage time is measured as total Customer Minutes of Interruption (CMI).

Updated: 03-29-2021
Vegetation Management

We continue to inspect, trim and remove trees to prevent vegetation from coming into contact with electrical equipment and potentially sparking a fire.

Inspect

• 1.4 million trees inspected annually; 700,000+ trees in high risk fire areas
• 900,000 trees trimmed or removed annually

Prune or Remove

• Tall trees beyond our standard pruning zones that could potentially fall into power lines are also assessed and pruned or removed
  • Removed more than 12,200 hazard trees in 2020 (double the number from 2019)
  • 2021: Plan to assess approximately 150,000 to 200,000 hazard trees in high risk fire areas and remove them if deemed unsafe

Vegetation Questions?
1-800-655-4555

SCE will begin removing palm trees that may come in contact with power lines and pose risks to public safety; customers who have palm trees affected by this program will be contacted by SCE representatives to discuss options.
PSPS NOTIFICATIONS

Planned Improvements

• Clarify language and information to provide more transparency to customers
• Reduce notification confusion
• Partner with the County Offices of Emergency Management to explore the use of Emergency Radio Broadcast for areas with poor cell service

How to Stay Informed

• SCE provides PSPS notifications through various communication channels
• Sign up to stay informed before, during and after a PSPS event
• Outage status look up is also available on our website

Text Alerts
Voice Alerts
Email Alerts
**CUSTOMER CARE PROGRAMS**

### Rebates & Programs
- Fully subsidized Critical Care Battery Backup Program
  - Expanded to include all eligible Medical Baseline customers*
- $50 rebate for small appliance & device battery backup
- $300-$500 generator rebate for well water dependent customers
- Self-Generation Incentive Program (SGIP)

### Care During Outages
- Community Crew Vehicles and Community Resource Centers
  - Information & Customer Support
  - Resiliency Kits
  - Hotel discounts
- Santa Clarita, Valencia, Palmdale, Lancaster

### Community Resiliency
- Resiliency zones under construction for back-up generation during PSPS
  - Working on securing sites in Acton
  - Agua Dulce (3) sites should be ready by May (installations complete and sites ready)

---

*Income-qualified Medical Baseline customers living in high-risk fire areas
Engaging Our Communities

• Customer education and community outreach
  • Use of digital, social media, media and radio channels
  • Community meetings for impacted communities
  • Annual PSPS newsletter to all customers
  • Engage our most vulnerable customers
  • Partner with community-based organizations to support resiliency and emergency preparedness

• Ongoing engagement with government officials, public safety partners, essential service providers and other stakeholders
LEARN MORE

• Visit our website to learn more about our wildfire safety efforts and Public Safety Power Shutoffs (PSPS)
• Provide feedback through the survey

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
Additional Resources
HELPFUL INFORMATION & RESOURCES

SCE Wildfire Webpage – sce.com/wildfire

SCE Notifications
• Sign up for PSPS alerts – sce.com/pspalerts
• Sign up for the Energized by Edison Wildfire Mitigation Newsletter – energized.edison.com/newsletter

Situational Awareness
• PSPS maps and information – sce.com/psps
• Role of weather in PSPS – sce.com/fireweather
• CPUC wildfire maps – cpuc.ca.gov/wildfiresinfo
• Fire cameras – alertwildfire.org

Preparedness
• SCE outage tips – sce.com/outagetips
• SCE emergency preparedness – sce.com/beprepared
• SCE Medical Baseline Program – sce.com/medicalbaseline
• CAL FIRE fire-preparedness – readyforwildfire.org
• Red Cross emergency preparedness – redcross.org/prepare
• FEMA emergency preparedness – ready.gov

Vegetation Management
• Vegetation Management – sce.com/safety/power-lines; contact 1-800-655-4555 or safetrees@sce.com

Customer Programs & Rebates
• SCE Customer Programs & Resources – sce.com/customerresources
• SCE Marketplace (rebates and programs) – marketplace.sce.com
• Self Generation Incentive Program (SGIP) – sce.com/sgip or selfgenca.com

Community Meetings
• Join SCE’s wildfire safety community meetings – sce.com/wildfiresafetymeetings

Social Media
• Follow @SCE on Twitter and Facebook