Our Commitment to California
Keeping our communities safe from wildfires

Community Meeting for Ventura & Santa Barbara Counties
May 25, 2021
HOW TO SUBMIT A QUESTION

• You can submit a question using the Q&A window throughout the session.

• If there is a similar question already being asked that you would like answered, you can click on the “thumbs up” icon next to the question to “like” it.

• Please only submit questions that are relevant to the presentation and topics being presented.
AGENDA

• Remarks from Ventura & Santa Barbara Counties
• 2020 Wildfire Season
• SCE’s Wildfire Mitigation Plan
• Public Safety Power Shutoffs
• Reducing the Need for PSPS
• Customer Care Programs
• Engaging Our Communities
• Resources
• Q&A
Remarks From Ventura & Santa Barbara Counties

Patrick Maynard
Director
Ventura County Sheriff
Office of Emergency Services

Kelly Hubbard
Director
Santa Barbara County Office of Emergency Management

Emergency Preparedness Links
- https://readysbc.org
- www.SBCFire.com/wildfire
- https://www.vcemergency.com
- https://www.readyforwildfire.org
- www.ILRC-TriCo.org
California’s wildfires in 2020 were the worst on record, with dry vegetation and strong winds threatening our communities during an unprecedented fire season.
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 tool 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.
OUR WILDFIRE MITIGATION PLAN

**Grid Hardening**
Improving the electrical system to make the grid more resilient in high fire risk areas, improving reliability and reducing wildfire risk

**Situational Awareness**
Using a dense network of weather stations and wildfire cameras to monitor location-specific, real-time conditions that help inform operational decision-making

**High Fire Risk Inspections**
Annually inspect equipment in high fire risk areas for any needed maintenance, repair or replacement, prioritizing the highest-risk structures

**Vegetation Management**
Annually inspect, trim and remove trees to prevent vegetation from coming into contact with electrical equipment and potentially sparking a fire
safetrees@sce.com

**Public Safety Power Shutoffs**
Tool of last resort to protect our communities from the threat of wildfire, where we temporarily shut off power to prevent our electric system from becoming the source of an ignition
PSPS Decision Points

Decision points include, but are not limited to:

- National Weather Service Red Flag Warnings
- SCE meteorologists forecast strong wind conditions in service area
- SCE fire scientist assessment of fire potential to include consideration of weather and fuels
- Real-time observations from qualified electrical workers monitoring for hazardous conditions in the field
- Impact of de-energizing circuits on first responders and essential services

sce.com/pspsdecisionmaking
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>Installing additional automated devices to further isolate and reduce the number of customers that have to be de-energized per circuit</td>
<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>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>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>
</tr>
</tbody>
</table>

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.
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
## Wildfire Mitigation Activities

### Santa Barbara County

<table>
<thead>
<tr>
<th>Completed to Date</th>
<th>2020</th>
<th>Since 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution Asset Inspections</td>
<td>9,458 assets inspected</td>
<td>21,852 assets inspected</td>
</tr>
<tr>
<td>Transmission Asset Inspections</td>
<td>1,336 assets inspected</td>
<td>2,988 assets inspected</td>
</tr>
<tr>
<td>Insulated Wire</td>
<td>18 circuit miles installed</td>
<td>25 circuit miles installed</td>
</tr>
<tr>
<td>Fire-Resistant Poles</td>
<td>176 poles installed</td>
<td>185 poles installed</td>
</tr>
<tr>
<td>Fast-Acting Fuses</td>
<td>254 fuses installed</td>
<td>485 fuses installed</td>
</tr>
<tr>
<td>Sectionalizing Devices</td>
<td>0 devices installed</td>
<td>0 devices installed</td>
</tr>
<tr>
<td>Hazard Tree Management</td>
<td>188 trees assessed</td>
<td>454 trees assessed</td>
</tr>
<tr>
<td>Weather Stations</td>
<td>36 weather stations installed</td>
<td>57 weather stations installed</td>
</tr>
<tr>
<td>High-Definition Wildfire Cameras</td>
<td>3 cameras installed</td>
<td></td>
</tr>
<tr>
<td>Community Resource Centers</td>
<td>5 sites available</td>
<td></td>
</tr>
<tr>
<td>Community Crew Vehicles</td>
<td>8 vehicles available throughout SCE's service area</td>
<td></td>
</tr>
</tbody>
</table>

SCE tracks wildfire initiative progress by SCE districts and extrapolates to the county level as a reasonable approximation.

Features depicted herein are intended for informational purposes only. Distances and locations may be distorted and icons may be overlapping at this scale.
## Wildfire Mitigation Activities

### Ventura County

<table>
<thead>
<tr>
<th>Activity</th>
<th>2020</th>
<th>Since 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution Asset Inspections</td>
<td>20,135 assets inspected</td>
<td>83,894 assets inspected</td>
</tr>
<tr>
<td>Transmission Asset Inspections</td>
<td>4,696 assets inspected</td>
<td>9,533 assets inspected</td>
</tr>
<tr>
<td>Insulated Wire</td>
<td>81 circuit miles installed</td>
<td>184 circuit miles installed</td>
</tr>
<tr>
<td>Fire-Resistant Poles</td>
<td>441 poles installed</td>
<td>1,218 poles installed</td>
</tr>
<tr>
<td>Fast-Acting Fuses</td>
<td>674 fuses installed</td>
<td>1,399 fuses installed</td>
</tr>
<tr>
<td>Sectionalizing Devices</td>
<td>5 devices installed</td>
<td>9 devices installed</td>
</tr>
<tr>
<td>Hazard Tree Management</td>
<td>9,063 trees assessed</td>
<td>10,200 trees assessed</td>
</tr>
<tr>
<td>Weather Stations</td>
<td>44 weather stations installed</td>
<td>109 weather stations installed</td>
</tr>
<tr>
<td>High-Definition Wildfire Cameras</td>
<td>30 cameras installed</td>
<td></td>
</tr>
<tr>
<td>Community Resource Centers</td>
<td>11 sites available</td>
<td></td>
</tr>
<tr>
<td>Community Crew Vehicles</td>
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SCE tracks wildfire initiative progress by SCE districts and extrapolates to the county level as a reasonable approximation.
Identified Circuits for Expedited Grid Hardening in Ventura County
**Example of Reducing the Need for PSPS**

**Circuit:** Big Rock  
**Communities:** Santa Susana, Simi Valley

**Planned Work:**
- Replace 10.2 miles of existing overhead wire with new insulated wire  
- Install 2 automated switches  
- Install an additional weather station  
- Implement operational and switching protocols to transfer load to a less affected circuit

**Expected Completion Date:**
- September 2021

**Expected Improvements:**
- **88% reduction** in customer outage time, assuming the same weather conditions in 2020
EXPECTED IMPROVEMENTS

With the implementation of our plans, we expect to see an **82% reduction in customer outage time** across the frequently impacted circuits in Ventura County communities compared to 2020, assuming the same weather conditions.

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*For circuit details and status, visit: sce.com/pspsenhancements*
Notifications

• SCE provides PSPS notifications through various communication channels
  • SCE Account Holders (email, text, and voice call)
  • Zip Code
  • NextDoor
• Sign up to stay informed before, during and after a PSPS event

PSPS Outage Map

• Outage status look up is also available on our website
**CUSTOMER CARE PROGRAMS**

**Rebates & Programs**
- Fully subsidized Critical Care Backup Battery Program
  - Eligible Medical Baseline customers*
- $50 rebate for portable batteries (small device battery backup)
- $300 & $500 portable generator rebates 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

**Community Resiliency**
- Microgrids
- Simi Valley Microgrid Pilot
- Community partnerships

*Income-qualified Medical Baseline customers living in high-risk fire areas
HELPING PROTECT COMMUNITIES

• SCE supports the readiness of fire agencies

• SCE’s partnership with the LA County Fire Department, Orange County Fire Authority, and Ventura County Fire Department, will bring three fire-suppression helicopters to help combat wildfires across SCE’s service area
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
Website: sce.com/wildfire
Email: wildfireoutreach@sce.com
Social Media: @SCE on Twitter & Facebook
SCE Customer Support: 1-800-655-4555

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/pspsalerts
• Sign up for the Energized by Edison Wildfire Mitigation Newsletter – energized.edison.com/newsletter

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

Preparedness
• SCE emergency preparedness – sce.com/beprepared
• CAL FIRE fire preparedness – readyforwildfire.org
• Red Cross emergency preparedness – redcross.org/prepare
• Listos California – listoscalifornia.org

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
• SCE Medical Baseline Program – sce.com/medicalbaseline
• 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