



**Southern California Edison's Quarterly
Progress Report on PSPS Working
Groups and Advisory Board – Pursuant
to Guidelines set forth in Appendix "A" of
Decision 20-05-051**

Rosemead, CA
August 13, 2021

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I. BACKGROUND

On December 19, 2018, the California Public Utilities Commission (Commission or CPUC) opened Public Safety Power Shutoff (PSPS) Order Instituting Rulemaking (R.)18-12-005 (OIR) to examine the rules that allow electric utilities, under the Commission's jurisdiction, to de-energize power lines in case of dangerous conditions that threaten life or property in California. On June 4, 2019, the Commission issued Decision (D.)19-05-042 (PSPS OIR Phase 1 Decision), which established the PSPS Guidelines, building on directives established in Resolution ESRB-8. On June 5, 2020, the Commission issued D.20-05-051 (PSPS OIR Phase 2 Decision) adopting updated and additional PSPS guidelines.

The PSPS OIR Phase 2 Decision required SCE to convene, at least quarterly, regionalized working groups providing the opportunity for participation from small multi-jurisdictional electric utilities, community choice aggregators (CCAs), publicly owned electric utilities, communications and water service providers, CPUC staff, tribal and local government entities, Public Safety Partners, and representatives of people/communities with access and functional needs (AFN) and vulnerable communities. The purpose of these working groups is to ensure there is a forum to share lessons learned between the impacted communities and the electric investor-owned utilities (IOUs). Components of the de-energization protocols that could be addressed by the Working Groups include the provision of Community Resource Centers (CRCs), communication strategies, information sharing, identification of critical facilities, strategies for supporting AFN people/communities, and contingency plans. SCE is required to report back to the CPUC on the Working Group progress on a quarterly basis.

In addition, the PSPS OIR Phase 2 Decision required SCE to establish an Advisory Board to provide advisory functions regarding de-energization, consisting of Public Safety Partners, communications and water service providers, local and tribal government officials, business groups, non-profit organizations, representatives of AFN people/communities, and academic organizations. SCE is working with this territory-wide Advisory Board to discuss best practices for de-energization issues and safety, community preparedness, regional coordination and the optimal use of existing and emerging technologies.

To comply with the guidelines provided by the Commission in D.20-05-051, SCE formed the PSPS Regional Working Groups and a service area-wide Advisory Board immediately following the issuance of the decision on June 5, 2020.

On June 29, 2021, the Commission issued D.21-06-034 (PSPS OIR Phase 3 Decision) adopting updated and additional PSPS guidelines. The Commission noted that "Each electric investor-owned utility must file and serve its quarterly regional working group reports in R.18-12-005 or its successor proceeding."

This is the Q2 2021 progress report on SCE's Working Groups and Advisory Board as required by the Commission.

II. WORKING GROUPS

During the third quarter of 2020, SCE established three Working Groups to include representation from various key stakeholders as directed by the Commission. SCE formed three unique regionalized Working Groups that collectively represented the entire SCE service area. The various counties in SCE’s service are represented in alignment with CalOES defined regions.

SCE held its Q2 2021 Working Group meetings on June 1, 2, and 3, 2021.

The schedule of the Q2 and Q3, 2021 Working Group meetings is shown in the table below:

Working Group	Q2 2021	Q3 2021
Central Region (Region V)	June 1, 2021	August 31, 2021
LA Metro & Coastal Region (Region I)	June 2, 2021	September 1, 2021
Inland Empire & Northern Region (Region VI)	June 3, 2021	September 2, 2021

On February 12, 2021, SCE submitted its PSPS Corrective Action Plan to the CPUC. As mentioned in SCE’s PSPS Action Plan, SCE will leverage the Working Groups and Advisory Board to review progress and identify further corrective actions to update the PSPS protocols and procedures. In addition, as SCE identifies needed improvements to existing PSPS communications, it will review these improvements with the Working Groups and Advisory Board to solicit feedback.

1. WORKING GROUP MEMBERS

SCE currently has representation from the following stakeholders for each of the three regional Working Groups:

- Small multi-jurisdictional electric utilities
- Community Choice Aggregators (CCAs)
- Publicly owned electric utilities
- Communications and water service providers
- Tribal and local government entities
- Public Safety Partners
- Representatives of people/communities with AFN and vulnerable communities
- Commission staff
- Cal OES representatives
- Others (e.g., Healthcare facilities)

The Q2 2021 Working Group meetings held on June 1, 2, and 3, 2021, were well represented by the members of the Working Group. The list of Working Group members that attended the Q2 2021 meetings are provided in the Appendix of this document.

2. WORKING GROUP MEETING(S) AGENDA AND MINUTES

SCE's Q2 2021 Working Groups meetings were hosted remotely via Microsoft Teams due to the COVID-19 restrictions. The agenda included:

- Updates on reducing the use of PSPS
- Seeking input and discussing plans for Public Safety Partners Portal
- Discussing ongoing plans to improve PSPS Notifications
- Overview of PSPS Decision Making Process

The presentations for each Working Groups meeting are included in the Appendix of this document.

Central Region - The Central Region Working Group meeting was held on June 1, 2021. The table below lists key discussion items and responses that SCE provided during this meeting.

	Participant Questions/Comments	SCE Responses	Action Items
1	In context of SCE's presentation on grid hardening, a member asked if the 78% improvement and 72 most frequently impacted circuits (FICs) were in context of the Central Region or all of SCE's service area.	SCE stated the 78% improvements is for all of SCE's service area.	No further action required.
2	In context of the Portal, a member asked about how SCE will ensure the information gets to the appropriate information but also protect customer privacy, specifically for Medical Baseline customer names and addresses.	SCE responded that access to customer information is available based on user profile, and there are multiple types of access to certain information. Only some partners will have access to Medical Baseline customer names and addresses, which is limited to users involved in either planning or responding to emergencies.	No further action required.
3	A member asked if Independent Living Centers (ILCs) can partner with SCE and provide customers with information about batteries.	SCE responded that customers will need to come directly to SCE with requests. Alternatively, customers or ILCs can go directly to other agencies such as the CalOES or their County to get that information as well.	No further action required.
4	A member requested Community Resource Center-type support during maintenance outages. This would apply specifically to	SCE responded it will follow up with the member to review their request to find alternative solutions.	This item is pending response from the member.

	communities in more remote locations.		
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Inland Empire & Northern Region - The Inland Empire & Northern Region Working Group meeting was held on June 2, 2021. The table below lists key discussion items and responses that SCE provided during this meeting.

	Participant Questions/Comments	SCE Responses	Action Items
1	A member asked how much the wind speed threshold increases when covered conductor is installed.	SCE responded that wind speed thresholds are not uniform across SCE's service territory. Wind threshold goes from 31 mph sustained and 36 mph gusts without covered conductor, to 40 mph sustained and 58 mph gusts with covered conductor.	No further action required.
2	A member asked if 81,000 customers on frequently impacted circuits refers to accounts or customers.	SCE responded this refers to 81,000 accounts.	No further action required.
3	A member asked for confirmation on the estimated percentage reduction in PSPS events based on SCE's mitigations, as the member heard 64% reduction in a previous presentation and 78% in this presentation.	SCE clarified that the 64% number from the previous presentation was from a county meeting, which was specific to that county. The 78% discussed in the Working Group meeting was for SCE's service area as a whole.	No further action required.
4	A member asked if a nondisclosure agreement (NDA) was needed to use the Public Safety Partner Portal and if there is an NDA currently in place.	SCE responded that signing the NDA depends on the type of NDA the member has with SCE. If the member is a Community Choice Aggregator for example, then they would not need to sign an NDA because of the provisions in that NDA; however other agencies would need to sign the NDA.	No further action required.
5	A member asked if individual layers (i.e., circuits, High Fire Threat Districts, etc.) of maps can be downloaded from the Portal.	SCE confirmed that individual layers are downloadable from the Portal in various formats.	No further action required.
6	A member asked about when an existing map shows that a customer will be in the clear, but	SCE responded that customers should not need to infer to interpret the map. The map is an accurate	No further action required.

	they are surrounded by areas with impacted circuits. Would this customer still be impacted by PSPS and experience an outage?	display of information, so if a segment shows that an area is not impacted, then it will not be impacted.	
7	A member asked if there is any way to add zip codes to the forms on sce.com/psps .	SCE stated it is not possible to add to sce.com/psps , however SCE will work on developing a guide key that can be used to map accounts with zip code.	This guide is currently in development with the Working Group member who requested the information.
8	A member asked in instances where SCE leaves a voicemail for a customer, if that qualifies as a form of customer contact, or if SCE will follow up with a knock on the door. This question was specifically for Critical Care customers.	SCE responded that a successfully delivered voicemail, text message or email are considered customer contact and successful. If the number is no longer active or SCE receives some sort of bounce-back message, the message is considered undelivered, and SCE will follow up with a door knock.	No further action required.
10	A member asked if there is a way to import more than one address to get answers to multiple location outages.	SCE responded that this is not available at this time, but this is something SCE is looking into for the next version of the Portal.	No further action required.
11	Two members stated they are concerned about leaving voicemails as PSPS notifications.	SCE stated the notifications are set up according to the customer's preference to receive a phone call, text or email. In general, SCE understands the concern and can look into partnering with ILCs or other organizations to see what other opportunities exist.	SCE held a meeting with the ILCs on 6/28/21 to update and discuss the following topics: notifications, public safety portal, AFN research project, 211 ¹ contract, CBO Program, grants. The ILCs expressed concern around 211s being a one-stop shop and not being part of the process. SCE is exploring ways to expand our relationship with the

¹ SCE is partnering with 211s to provide proactive outreach in advance of PSPS events and build an AFN database to push out messages to a broader AFN base (e.g. PSPS preparedness, augment notifications, promote SCE programs, etc.)

			ILCs as another option to supplement 211s.
12	A member asked if they would need to pre-sign an NDA in order to access the Public Safety Partner Portal. If so, the member asked if they could receive that document prior to the registration process.	SCE clarified that the NDA process is online directly, so there will be no pre-work required.	No further action required.
13	A member asked if there is a way to work with Local Emergency Managers to use the TV notification system to notify customers of a pending PSPS shut off.	SCE responded they have looked into this in the past. Unfortunately, TV signals do not have the circuit-level granularity needed for PSPS events. SCE can further look into this to see if there are ways to utilize the system, or radio systems, etc.	SCE is working on this item as part of its PSPS Action Plan to address situations when traditional communications are not available. This activity is still in progress.

LA Metro & Coastal Region - The LA Metro & Coastal Region Working Group meeting was held on June 3, 2021. The table below lists key discussion items and responses that SCE provided during this meeting.

	Participant Questions/Comments	SCE Responses	Action Items
1	A member asked how many weather stations are installed and if SCE has met its goals for this year before fire season.	SCE stated that its plan is to install 375 weather stations this year, and they have installed 11 as of April. After some supply issues, the current goal is to complete 23 station installation per week. SCE's monthly goal for June, July and August is 93 stations per month. SCE will not complete the installations by peak fire season, but the installations are expected to be completed by the end of the year.	No further action required.
2	A member asked if "HW" days referred to heat wave days.	SCE confirmed this is correct.	No further action required.

3	A member asked if the scope of the work (referring to frequently impacted circuit grid hardening information) is for the year 2021.	SCE confirmed this is correct.	No further action required.
4	A member asked about the total number of circuits that SCE operates.	SCE responded that this is 5900 circuits, including 1500 which are considered high fire risk area (HFRA) and 220 were de-energized in 2020.	No further action required.
5	A member asked if maps from the Portal can be revised to note an area by county. They would like to see only their county, and have other areas "greyed out".	SCE stated that the reports from the Portal are specific to the county and dependent on the user's login. A user will only see details for their county so there should not be any confusion.	SCE has reviewed this issue and determined that no enhancements are needed at this time, since users are only able to see information for their specific counties.
6	A member asked for the URL for the new Portal.	SCE responded they were doing a final test of the Portal and would send the link to all partners. SCE has a roll out process and integrated training schedule, plus job aid materials.	No further action required.
7	A member asked SCE to clarify about making the Portal accessible to "others." The member wanted to know what other partners SCE was referring to.	SCE provided examples such as ILCs, 211s, and any other organizations who partner with emergency services.	No further action required.
8	A member asked why they receive notifications about different counties.	SCE responded that if a circuit crosses county lines, a customer may receive multiple notifications.	SCE is following up with this member to make sure they are on the correct notification lists for appropriate counties.
9	A member asked how many back up batteries have been provided to the AFN community?	SCE responded that at the time, the Critical Care Backup Battery program had provided 2,164 batteries to customers in 2021, and 2,884 total since the program started in 2020.	No further action required.

10	A member asked how they can help SCE improve reliability on circuits, such as putting fusing (i.e., segmentation) in specific areas.	SCE responded they will follow up with the member to discuss.	SCE met with the member on August 6, 2021. The outcome of the discussion resulted in a handful of specific enhancements to poles on sections of the circuit that impacted the member. These suggestions have been routed to appropriate SCE stakeholders for review.
11	A member expressed concern about communication during PSPS events, as the member is in a remote area. The member would like to work with SCE on providing solutions during PSPS events, such as radio alerts.	SCE responded they will work with the member and telecom companies to address the issues.	SCE is working on this as part of its PSPS Action Plan to address community safety issues and issues with communications in remote areas. This item is still in progress.

III. ADVISORY BOARD

SCE developed an approach for establishing a wildfire safety community Advisory Board that would emulate the approach implemented by San Diego Gas & Electric Company (SDG&E). SCE’s Advisory Board works on service area-wide de-energization and wildfire issues and provides hands-on, direct involvement and advisory functions on various aspects of PSPS de-energizations. SCE has established one Advisory Board for the entire SCE service area and meetings are scheduled quarterly.

SCE invited key stakeholders to represent the SCE communities on the Advisory Board as directed by the Commission. The PSPS Advisory Board was created during the third quarter of 2020, and the first Advisory Board meeting was held on October 20, 2020.

1. ADVISORY BOARD MEMBERS

SCE reached out to the following organizations, as directed in the PSPS OIR Phase 2 Decision, to request participation in the Advisory Board:

- Public Safety Partners
- Communications and water service providers
- Tribal and local government entities
- Business groups
- Nonprofit organizations
- Representatives of people/communities with AFN and vulnerable communities
- Academic organizations

2. ADVISORY BOARD MEETING(S) AGENDA AND MINUTES

The Q1 2021 Advisory Board meeting was held on June 8, 2021. Stakeholders from all category requirements listed in the Phase 2 Decision were present. The meeting was facilitated by SCE’s Advisory Board Chair Ranbir Sekhon. The first portion of the meeting provided a safety moment, housekeeping overview, and review of agenda topics.

The following topics were discussed during this meeting:

1. PSPS Action Plan Update
2. Public Safety Partner Portal
3. PSPS Notifications

The presentation for the Advisory Board meeting is included in the Appendix of this document.

At the meeting, Ranbir Sekhon provided a high-level overview of his new roles/responsibilities leading the PSPS Readiness effort and an overview of the agenda and the purpose of the PSPS Advisory Board and PSPS Working Groups, and extended an invitation to attendees to join the PSPS Working Groups. He also shared that a survey will be conducted at end of meeting seeking member feedback for improvements.

SCE then shared a status update on the PSPS Action Plan, which was submitted to CPUC on February 12, 2021. SCE’s PSPS Action Plan goal is to reduce the frequency and scope of PSPS and to improve SCE’s performance in preparation for peak fire season in 2021. The PSPS Action Plan focuses on the following improvements in 2021:

1. Reducing the Use of PSPS
2. Executing PSPS Events Effectively
3. Mitigating Impacts of PSPS
4. Keeping Partners & Customer Informed
5. Enhancing & Improving Post-Event Reporting

SCE also provided an overview of its new Public Safety Partner Portal, explaining its purpose and benefits to our partners. SCE presented key elements of the Portal including the registration and login process and provided a preview of the 3 areas of focus for where partners can find PSPS information: Planning (Pre-event), Active PSPS events, Archive of past PSPS event.

SCE then provided an update on recent changes to the PSPS notifications process, such as updates in notification content, cadence, and process improvements.

The table below provides a summary of the question’s SCE received and the responses SCE provided during the meeting.

	Advisory Board Question/Comments	SCE Reponses	Action Plans
1	Member asked if they will receive revised maps?	SCE responded members will be provided with revised maps which will be available on the new Portal.	No further action required.
2	Member asked if there is an updated list of the permanent community resiliency zones locations?	SCE confirmed it had three resiliency zones at that time: Agua Dulce, Cabazon, and Mono County	No further action required.

3	Member asked for information on deployment of critical care backup batteries in specific counties.	SCE indicated they can provide that information.	SCE assigned a subject matter expert to follow up with this member.
4	Member asked if local emergency responders refer to city manager or another staff member to gain Portal access.	SCE stated is up to the city manager or county administrator or tribal administrator, as they have received the information to designate which of their personnel should have access to the Portal. SCE stated there are two types of user access to the Portal: (a) general access for maps and (b) access to the medical baseline and critical care customers which is limited to personnel involved in either planning or responding to the emergency.	SCE followed up with this member to confirm access for the appropriate personnel.
5	Member asked about whether there is a limit for how many people can access the Portal for large companies.	SCE stated there is no limit and prefers that everyone has their own login IDs.	No further action required.
6	Member asked if information from the Portal can be downloaded from the portal.	SCE confirmed that each of the reports has the option to download in various formats. The maps can also be downloaded and imported into a GIS system.	No further action required
7	Member asked about the timing of when the Portal would be available.	SCE confirmed availability of the Public Safety Partner Portal in the next week or two (mid-June 2021).	No further action required.
8	Member asked if Portal will be limited to only viewing their own service or geographic boundary, or if they can view information from all counties.	SCE stated the information available to the user will be based on their login credentials. Map information will be available to everyone, but the information specific to counties or company information will be by user profile.	No further action required.
9	Member asked about when information will be populated on the Portal during events.	SCE stated the Portal will be continually updated when there is an active event. During an actual event there will be more granular data on the Portal.	No further action required.
10	Member asked about Santiago Canyon, which has become a very hot topic with repeated fires in that area over the past couple of years. Member asked if SCE made any progress on	SCE responded they are not prioritizing undergrounding where covered conductor is a priority. SCE has 22 miles of covered conductor being constructed on the circuits that	No further action required.

	shifting their lines underground in this area.	serve the Santiago Canyon which should significantly reduce the amount of PSPS.	
11	Member asked if SCE is expanding the Alert Wildfire camera network.	SCE stated the current camera network status is up and running, and the public has access as well as first responder agencies. SCE has about 160 cameras with approximately 90% coverage of our CPUC high fire risk areas. SCE considers additional cameras on a case-by-case basis by working closely with the University of California at San Diego.	No further action required.

The next Advisory Board meeting is scheduled for September 14, 2021.

IV. APPENDIX

- A. Working Groups Presentations
- B. Advisory Board Presentation
- C. Working Group Meeting Attendees (Q2 2021 Meeting)
- D. Advisory Board Meeting Attendees (Q2 2021 Meeting)

PSPS WORKING GROUP MEMBERS – CENTRAL REGION

Access & Functional Needs

- **Community Action Partnership of Kern (211)**, Irene Fonseca, 211 Supervisor
- **Independent Living Center of Kern County**, Jan Lemucchi, LTSS Manager

Communications Providers

- **AT&T**, Josh Overton, Area Manager Network Process & Quality
- **AT&T**, Kevin Quinn, Area Manager
- **Charter**, Shannon Campbell, Director of NW Regional Operations Center
- **Comcast**, Joe Leto, Director of Network Operations

Healthcare / Hospital

- **California Association of Health Facilities**, Jason Belden, Director, Emergency Preparedness & Physical Plant Services

Local Governments

- **City of Tehachapi**, Greg Garrett, City Manager
- **Kern County**, Wendy Benson, Administrative Coordinator

Other

- **California Public Utilities Commission**, Anthony Noll, Program Manager

Public Safety Partners

- **Kern County**, Alan Christensen, County Emergency Manager
- **Madera County Sheriff's Office**, Joseph Wilder; Sergeant

Tribal Governments

- **Tule River Tribal Council**, Joe Boy Perez, Emergency Manager

Water Providers

- **Golden Hills Community Service District**, Susan Wells, General Manager
- **Bear Valley Community Service District**, Bill Malinen, General Manager

PUBLIC SAFETY POWER SHUTOFF (PSPS) WORKING GROUP

Q2 Meeting – June 1, 2021

Central Region (CalOES Region V)

Kern, Tulare, Fresno, Madera, and Tuolumne Counties

Energy for What's Ahead®



WELCOME & SAFETY

MIKE BUSHEY

Director

Government, Institutions, Agriculture and Water
Business Customer Division

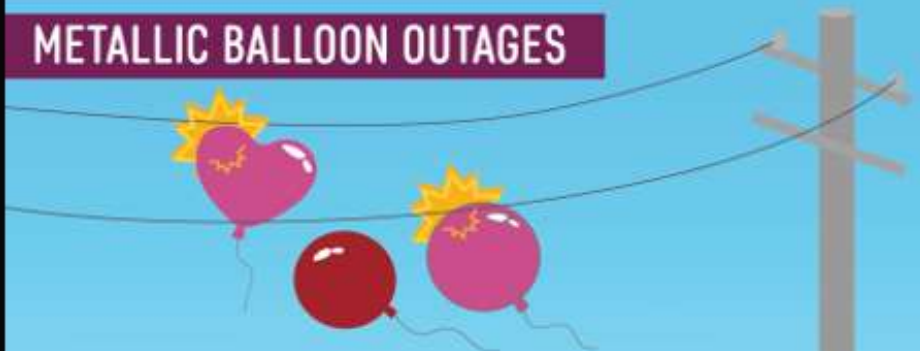


SAFETY MOMENT

Here are some 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.

METALLIC BALLOON OUTAGES

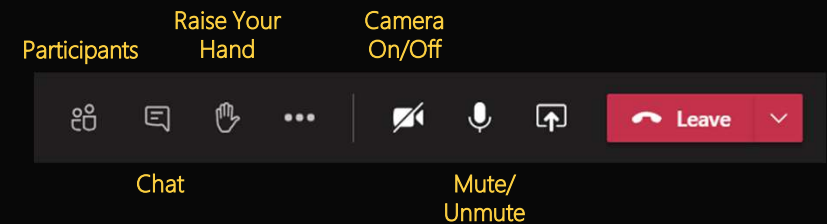


2020	CUSTOMER HOURS INTERRUPTED	CUSTOMERS INTERRUPTED
JAN	22,573	64,337
FEB	28,686	103,521
MAR	14,486	106,910
APR	14,778	60,847
MAY	47,481	164,712
JUN	68,040	244,771
JUL	34,185	249,533
AUG	42,927	107,090
SEP	39,881	104,881
OCT	47,742	121,233
NOV	38,587	93,442
DEC	20,107	71,879
TOTAL	419,472	1,493,156



HOUSEKEEPING

- Meeting will be **recorded**
- Use the **Raise your hand** or **Chat** feature located on your screen if you have a question
- Turn on your **camera** if you feel comfortable
- You'll be announced when it's your time to ask your question
- Unmute yourself to speak then mute yourself when you are finished with your question
- If you have any issues with using Teams, email us at **SCEPSPOutreach@sce.com**



AGENDA

TOPIC	PRESENTER	DURATION
Welcome, Safety & 2021 Outlook	Mike Bushey	10 minutes
Reduce the need for PSPS	Terry Ohanian	15 minutes
Update		
• Public Safety Portal & SCE.com Enhancements	Frank Starke	30 minutes
• PSPS Notifications	Bob Stiens & Jude Schneider	15 minutes
PSPS Decision Making Materials	Jude Schneider	5 minutes
Round Table and Q&A	All	10 minutes
Closing Remarks	Mike Bushey	5 minutes



2021 WEATHER & WILDFIRE FORECAST

• Weather patterns and expectations

- La Nina conditions are expected to weaken but will likely persist
- Drier and warmer than normal weather pattern to continue
- Some extreme heat days could occur again
- Above normal Santa Ana wind days are expected again

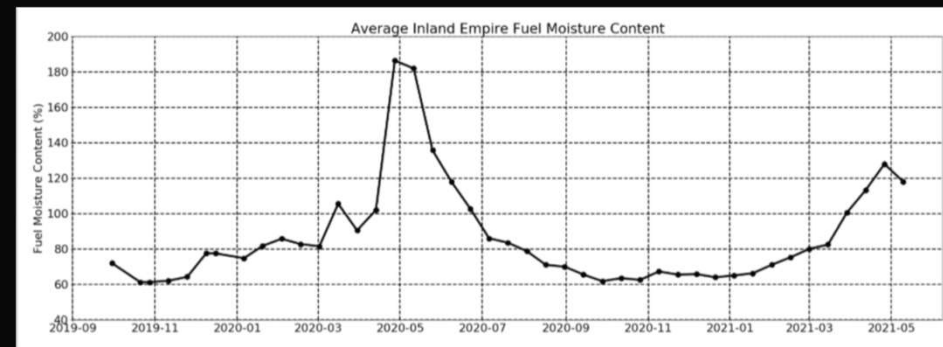
• Fire fuels update

- Fuels are much drier than normal for this time of the year
- Grasses are now completely cured
- Fire activity has been increasing over the last month

• Fire Season Outlook

- Larger fires likely to occur earlier in the season
- Greatest threat for significant fire (Sierra, ANF, LPF)

Month	Forecast	2021 Forecast	
		Forecasted Category	HW Days
June	+0.5 SD/+1.1F	Above Normal	3
July	+0.8 SD/+1.8F	Above Normal	6
August	+0.7 SD/+1.3F	Above Normal	9
September	+0.8 SD/+1.5F	Above Normal	7
October	+0.6 SD/+1.4F	Above Normal	2



COMMUNITY OUTREACH

ENGAGEMENT	BACKGROUND/PURPOSE	TARGET AUDIENCE	COMPLETED MEETINGS	UPCOMING MEETINGS
Wildfire Safety Community Meetings www.sce.com/wildfiresafetymeetings	Regional-based sessions that provide an update on PSPS and WMP work in 2021	Communities Impacted by PSPS	9 completed, ~803 participants	<ul style="list-style-type: none"> June 2, 2021, 6:00pm – 7:30pm; Kern County June 3, 2021, 6:00pm – 7:30pm; Mono, Inyo, Fresno, Tulare, Madera, and Tuolumne counties
Power Talks www.sce.com/wildfiresafetymeetings	Customer-segmented and regional-based sessions that provide an overview of outages, including PSPS	Business and Residential Customers	9 completed, ~370 participants	<ul style="list-style-type: none"> June 9, 2021, 10:00am – 11:30; Commercial customers June 23, 2021, 10:00am – 11:30; Commercial customers June 23, 2021, 2:00pm – 3:00pm; Wildomar/Temecula
Critical Infrastructure Workshops	Provide PSPS updates, tools/resources, and platform to hear best practices within each customer segment	Segment-specific Critical Infrastructure Customers	12 completed, ~260 participants	Ongoing
Local and Tribal Governments	Provide updates on wildfire mitigation and PSPS, solicit feedback	Local and Tribal Governments	Met with 29 jurisdictions	Ongoing

REDUCE THE NEED FOR PSPS

TERRY OHANIAN

Director
Grid Hardening Execution
PSPS Readiness



REDUCING THE NEED FOR 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
- We are putting specific emphasis on those circuits **most frequently impacted** by PSPS while continuing work on other circuits subject to PSPS
- The emphasis on specific frequently impacted circuits is what we call our **Expedited Grid Hardening Program**



Energy for What's Ahead®

EXPEDITED GRID HARDENING TOOLS

Insulated Wires

Targeted replacement of bare wire with insulated wires (covered conductor) to be able to safely raise windspeed thresholds for PSPS

Scope: ~700 miles
Complete: ~160 miles
(as of 5/25)

Segmentation

Installing additional automated devices to further isolate and reduce the number of customers that have to be de-energized per circuit

Scope: 25 devices
Complete: 1 device
(as of 5/25)

Weather Stations

Adding new weather stations to improve situational awareness and increase accuracy of PSPS operations – so only those circuits facing danger are in scope

Scope: 9 devices
Complete: 0 devices
(as of 5/25)

Switching Protocols

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

Ongoing

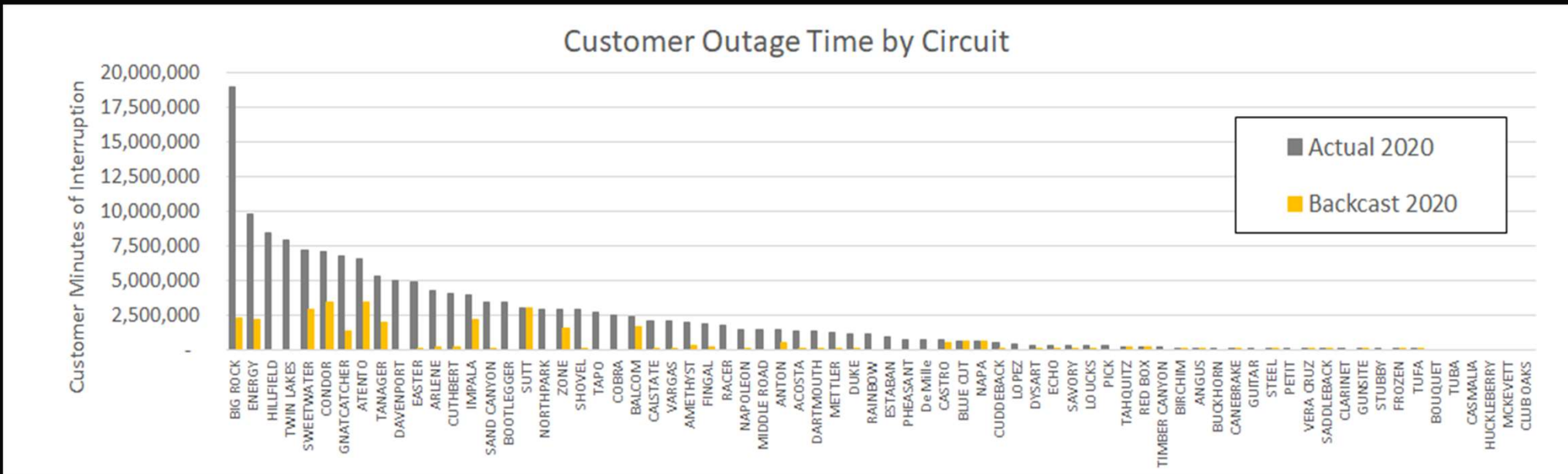
Operational Protocols

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

~23K customers removed from PSPS scope (as of 5/25)

EXPECTED IMPROVEMENTS

With the implementation of our plans, we expect to see up to a **78% reduction in customer outage time** across these 72 frequently impacted circuits compared to 2020, assuming the same weather conditions and successful execution of the entire plan



- 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 PSPS-related Customer Minutes of Interruption (CMI).

CIRCUIT SELECTED FOR PSPS ENHANCEMENTS

sce.com/pspsenhancements

Circuits Selected For PSPS Enhancements

[Home](#) > [Wildfire Safety](#) > [Public Safety Power Shutoffs](#) > Circuits Selected For PSPS Enhancements

SCE has identified circuits that have been most impacted by Public Safety Power Shutoffs (PSPS) – or those with four or more PSPS de-energizations between 2019 and January 2021 – for [expedited grid hardening](#) and other enhancements to reduce the need for PSPS.

When we complete this work, SCE is estimating more than a 75% reduction in PSPS outage time on these circuits under weather conditions similar to last year. This estimate is based on a backcast method that analyzes past weather conditions against the expedited upgrades. In addition, of the 57,000 customers on these circuits who experienced at least one PSPS outage in 2020, about 37,000 of these customers would not have experienced an outage after the expedited upgrades. Many of the remaining 20,000 customers would have seen fewer and/or shorter PSPS outages.

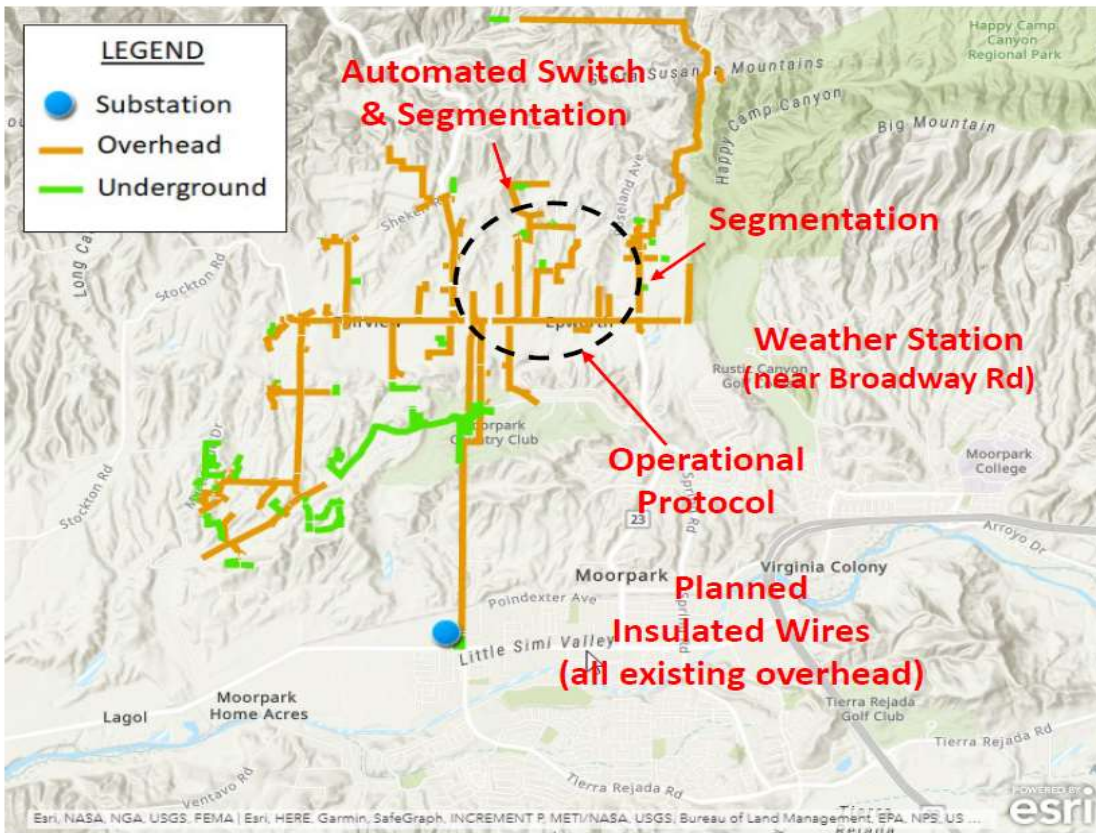
To learn more about the work on a specific circuit, click on the county and then click on the circuit name. While this information is accurate at the time of posting, both the scope of work and timeline are subject to change.

Los Angeles County (Updated as of May 19, 2021)	▼
Orange County (Updated as of May 17, 2021)	▼
Riverside County (Updated as of May 8, 2021)	▼
Ventura County (Updated as of May 24, 2021)	▼

Energy for What's Ahead®

INDIVIDUAL CIRCUIT INFORMATION EXAMPLE

ANTON CIRCUIT PLAN



Planned Work:

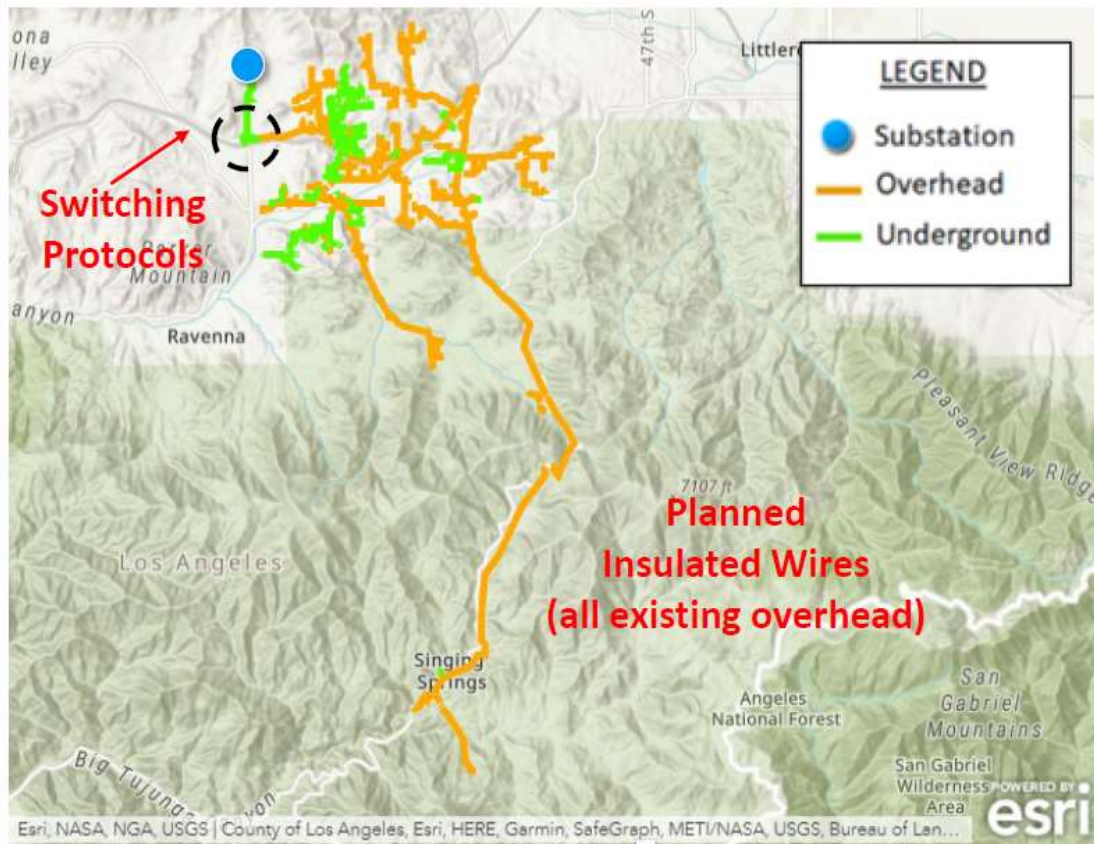
- Replace 24 miles of existing overhead wire with new insulated wire
- Install an additional weather station
- Install 1 automated switch and implement additional segmentation
- Implement operational protocol to raise PSPS windspeed thresholds

Expected Improvements:

- **59% reduction** in customer outage time, assuming the same weather conditions in 2020

INDIVIDUAL CIRCUIT INFORMATION EXAMPLE

Bootlegger Circuit Plan



Planned Work:

- Insulated Wires: Replace 27.6 miles of existing overhead wire with new insulated wire
- Switching Protocols: Implement switching protocol to remove some customers and critical businesses from PSPS

Expected Improvements:

- **100% reduction** in customer outage time, assuming the same weather conditions in 2020

PUBLIC SAFETY PORTAL & SCE.COM ENHANCEMENTS

FRANK STARKE

Senior Advisor
Marketing & Digital
Customer Service



PSPS PUBLIC SAFETY PARTNER PORTAL

- The new Public Safety Partner Portal is a **single destination** to find PSPS information not available to the public on SCE.com.
- Information is divided into three sections:
 - **Planning (Pre-event)**
 - **Active PSPS events**
 - **Archive of past PSPS event**
- The Public Safety Partner Portal will be available to **CPUC defined Public Safety Partners** and **Critical Infrastructure Customers** (with different levels of access)
- Information a user will see will be specific to the Partner based on their login credentials
- In order to gain access to the Portal, Partners will need to **register and accept a user agreement**
- The Portal will not replace the existing PSPS REST service

PUBLIC SAFETY PARTNERS*

- **First/emergency responders at the local, state and federal level**
- **Water, wastewater and communication service providers**
- **Community choice aggregators (CCAs)**
- **Affected publicly-owned utilities (POUs)/electrical cooperatives**
- **CPUC**
- **CalOES**
- **CAL FIRE**

* CPUC Decision 19-05-042

CRITICAL INFRASTRUCTURE CUSTOMERS

- **Emergency Services Sector**
- **Government Facilities Sector**
- **Healthcare and Public Health Sector**
- **Energy Sector**
- **Water and Wastewater Systems Sector**
- **Communications Sector**
- **Chemical Sector**

Energy for What's Ahead®

PSPS PUBLIC SAFETY PARTNER PORTAL

PLANNING (PRE-EVENT) information to help for planning purposes when there is no active PSPS event. The section will include the following:

- PSPS planning interactive map
 - Includes Outage Areas, and impacted Circuits
- Planning Files
 - Outage Areas and Impacted Circuits in various downloadable formats and API to allow integration with third party systems
- Planning Reports
 - Summary of potentially impacted customers
 - Critical facilities and identified medical baseline and critical care customers
 - Also available in various downloadable formats and API
- PSPS Sample Notifications

IN-EVENT (CURRENT AND PAST EVENTS) information used to get active PSPS information and archived PSPS event information. The section will include the following:

- PSPS event Interactive map
 - Includes Outage Areas, impacted Circuits with estimated restoration times, Community Resource center and Community Crew Vehicles
- Event specific Files
 - Outage Areas and Impacted Circuits in various downloadable formats and API to allow integration with third party systems
- Event specific Reports
 - Summary of impacted customers
 - Critical facilities and identified medical baseline and critical care customers
 - Also available in various downloadable formats and API
- Reports including situational awareness and data
- Archive of inactive past events

PUBLIC SAFETY PARTNER PORTAL TRAINING

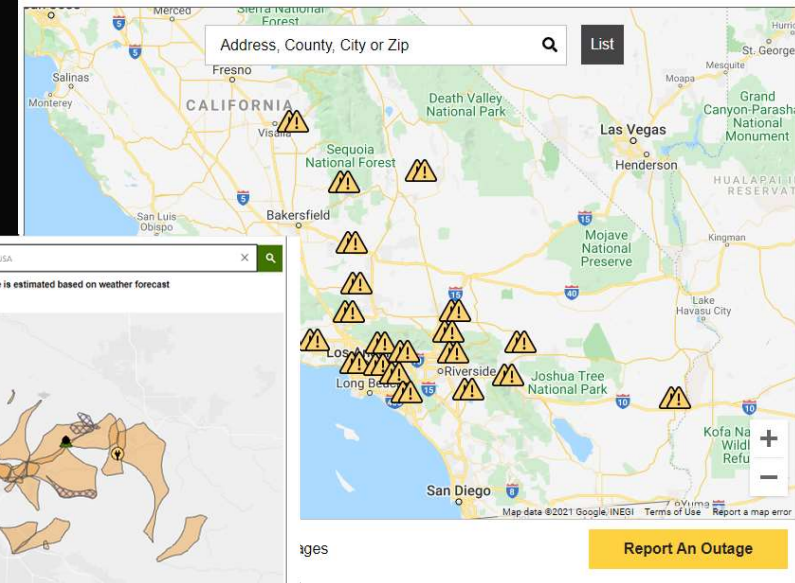
Training Date	Invitees
June 15	Local & Tribal Government
June 16	Local & Tribal Government
June 17	Telecom & Water, Wastewater
June 17	Critical Infrastructure Customers
June 22	Critical Infrastructure Customers
June 23	Critical Infrastructure Customers

SCE.COM ENHANCEMENTS

- Available **September 2021**
- Address **outage look up** feature on SCE.com
 - Punch in an address to see status of outage, as applicable
- Consolidating **all outages** into single map (e.g., Maintenance, Repair, PSPS, Rotating Outages)
 - Click on/off feature for different types of outages

View Current Power Outages

Select an icon on the map to learn more about the outage and our estimated restoration time. Need a place to stay? Click [HERE](#) to find hotel discounts (at participating hotels) for customers experiencing an extended outage.



Enter an address, county, zip code or place to see if it is impacted. Agua Dulce, CA, USA

Monitoring for PSPS from: 12/23/2020 3:00 AM to: 12/24/2020 12:00 PM. End date is estimated based on weather forecast
County: Los Angeles

Don't see your outage here? [View Standard Outage Map](#)

Current PSPS Status

Power Is Shut Off		Power Shutoff Under Consideration	
Of SCE's 5 million customers:	341 (< 1%)	Of SCE's 5 million customers:	170,010 (3.4%)
Los Angeles County	154 customers	Kern County	6,927 customers
Riverside County	83 customers	Los Angeles County	31,627 customers
San Bernardino County	9 customers	Orange County	9,641 customers

PSPS Event

Maintenance/Repair Outages

Energy for What's Ahead®

SITUATIONAL AWARENESS NOTIFICATIONS

BOB STIENS

Senior Advisor
Government Relations
Local Public Affairs



Notifications: Local & Tribal Governments and other Stakeholders

- Operational Changes
 - Situational Awareness Notifications now sent **once a day** instead of twice a day
 - Will improve accuracy by allowing additional data in each forecast
 - Additional notifications will be sent if conditions change (starting the day before the event starts)
 - In-event notifications will continue to be sent real time
 - Information posted on SCE.com at **72 hours** instead of 48 hours
 - De-Energization notices **sent on approval** rather than waiting for confirmation
- Notifications for Local and Tribal Governments and other Stakeholders
 - New automation of process will **significantly increase the speed** notifications are sent
 - Renamed LNO Notification to **Situational Awareness Notification Spreadsheet (SANS)**
 - **Added color** coding to help identify changes
 - **Segmentation** will be added for de-energization
 - Working towards segmentation on forecasts
 - SANS will be posted to **Public Safety Partners Portal**
- Likely New CPUC Requirements
 - **Notify adjacent jurisdictions** of PSPS events

Situational Awareness Notification Spreadsheet (SANS) Notification Cadence

1. **Initial** notification (72 hours out--if possible) is sent at the start of the incident for each impacted county and includes the activation's first LNO spreadsheet.
2. **Update** notifications are typically sent daily with an attached LNO spreadsheet after each weather report/period of concern (POC) generated by Operations.
3. **Expected Shutoff** (previously imminent de-energization) sent, as needed, during PSPS events. No attachments.
4. **Shutoff** (previously de-energization) sent, as needed, during PSPS events. No attachments.
5. **Imminent Restoration** sent, as needed, during PSPS events. No attachments.
6. **Restoration** notifications sent, as needed, during PSPS events. No attachments.
7. **Event Concluded** notification (2 versions) is sent at the end of the incident for each county that had one or more circuits on the MCL letting officials know the power is restored (or restored with noted exceptions), and the event is concluded.

California Edison LNO Circuit List with Periods of Concern

01/14/2021 - Report #2

Note 1: Restoration activities begin as soon as conditions in

Note 2: Estimated Restoration Times may be delayed if dam

Note 3: 72-hour notification information is for local government and agency

Note 4: Approximate customer counts are calculated by circuit, regardless of jurisdiction. If a circuit crosses jurisdictional boundaries, the total customer coun

Note 5: Please refer to Definitions tab for ad

Note 6: Any circuits on the list that do not display period of concern times means those circuits have perio

Circuit Name	Segment(s)	County	Incorporated City/Cities	Unincorporated Communities	Circuit Notification Status	Comments	Est. Restor. Time De-Energ Circuits	01/14/20 21 PoC Time	01/15/20 21 PoC Time	01/16/20 21 PoC Time	01/17/20 21 PoC Time	Residential/ Unassigned	Essential Use	Major	MBL	Critical Care	Customer Totals
ANGUS		VENTURA		Sespe Village ; Keith Oak Village	Initial			0900-0000	0000-1200			1512	1	55	23	4	1595
ANTON		VENTURA	MOORPARK		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
ANTON		VENTURA		North of Moorpark	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
ARLENE		LOS ANGELES	SANTA CLARITA		Updated Period of Concern			0900-0000	0000-1200			1594	0	55	69	5	1723
ATENTO		ORANGE		Portola Hills ; Modjeska ; Silverado	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
ATENTO		ORANGE	LAKE FOREST		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
AVANTI		SAN BERNARDINO		Verdemont ; University Heights	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
AVANTI		SAN BERNARDINO	SAN BERNARDINO		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
BARRINGTON		VENTURA		Bardsdale ; South of Cavin	All Clear							581	0	43	8	3	6
BARRINGTON		VENTURA	FILLMORE		All Clear							581	0	43	8	3	

CUSTOMER NOTIFICATIONS

JUDE SCHNEIDER

Senior Advisor
PSPS Response
PSPS Readiness



CUSTOMER NOTIFICATIONS

CLARITY

- Rewrote customer notifications, tested with PSPS customers and rewrote again
- More direct, simpler language
- Added end of POC and typical restoration window to better inform customers

CADENCE

- Changed process to miss fewer imminent and shutoff notifications
- Adding “next day” notification

ACCURACY

- Short term automation to reduce manual efforts
- Long term—completely automated process in which databases and weather information will communicate and Artificial Intelligence will continually calibrate results
- Commitment to continuous program improvement

PSPS Decision Making Material

sce.com/pspsdecisionmaking

Public Safety Power Shutoffs: How Southern California Edison makes decisions



Southern California Edison considers the need for Public Safety Power Shutoffs when weather and fire experts forecast dangerous conditions, including strong winds, very dry vegetation and low humidity. Combined, these create the risk that flying debris or other damage to wires and equipment could cause a fire with the potential to spread rapidly and threaten communities.

[CLICK FOR FACT SHEET](#)

Energy for What's Ahead®

ROUND TABLE and Q&A

CLOSING REMARKS

MIKE BUSHEY

Director
Government, Institutions, Agriculture and Water
Business Customer Division



POLL

1. What sort of topics would you like to discuss in future Working Group sessions:

- Community Safety
- PSPS Notifications
- PSPS Portal
- Community Outreach
- Critical Infrastructure
- Grid Hardening
- Please see survey (to add more options)

2. Was today's Working Group meeting useful to you?

- Yes
- No
- Please see survey (for more feedback)

MS Teams Polling Feature

- A pop-up box will come with one question at a time (there are a total of two)
- Click on your response, multiple options are available
- Results of the poll will be updated dynamically in the chat box for this meeting
- A survey will be sent out this morning, for you to add more detail or provide more feedback

ENCOURAGE YOUR COMMUNITIES

STAY INFORMED



- Visit [sce.com/wildfire](https://www.sce.com/wildfire)
- Sign up for the Energized by Edison Wildfire Mitigation Newsletter at energized.edison.com

SIGN UP



- PSPS alerts
- SCE's Medical Baseline program
- SCE programs and rebates

BE PREPARED



- Have a safety preparedness plan and basic supplies ready
- Power outage tips

REMINDERS

Q3 2021 Meetings

- **Central Region:** Kern, Tulare, Fresno, Madera, and Tuolumne Counties – **August 31** from **9-10:30 a.m.**
- **LA Metro & Coastal:** Los Angeles, Orange, Ventura, and Santa Barbara Counties – **September 1** from **9-10:30 a.m.**
- **Inland Empire & Northern:** San Bernardino, Riverside, Mono, and Inyo Counties – **September 2** from **9-10:30 a.m.**
- **CPUC report** summarizing today's meeting will be provided
- Please complete our **survey**
- If you have any questions, email us at **SCEPSPOutreach@sce.com**
- **Thank you** for your participation!



Thank you!



PSPS WORKING GROUP MEMBERS – LA METRO & COASTAL REGION

Access & Functional Needs

- **211 Orange County**, Amy Arambulo, Director, Community Programs
- **211, Interface Children & Family Services**, Kelly Brown, 211 Director
- **Independent Living Resource Center**, Jennifer Griffin, Executive Director
- **Service Center for Independent Life**, Larry Gable, Executive Director

Community Choice Aggregators

- **Cal Choice**, Cathy DeFalco, Director
- **Clean Power Alliance of Southern California**, Monique Edwards, Director, Technology, Data & People

Communications & Water Service Providers

- **AT&T**, Josh Overton, Area Manager Network Process & Quality
- **AT&T**, Kevin Quinn, Area Manager
- **Cox**, Jacques Ballard, Director
- **Verizon**, Alvaro Sanchez, Sr. Manager
- **Crown Castle**, Sonny Nunez, Utility Relations Manager
- **Frontier Communications**, Mark Capruso, Operations Director
- **Frontier Communications**, Nora Garrido, ERC Leader
- **Verizon**, Joseph Schultz, Field Manager
- **California Water Services**, Jim Crawford, District Manager
- **El Capitan Mutual Water Company**, Allen Paneral, Field Operations,
- **Metropolitan Water District**, Ian Whyte, Program Manager
- **Moulton Niguel Water District**, Joone Lopez, General Manager

Healthcare / Hospital

- **Community Memorial Hospital**, Haady Lashkari, CAO, OVCH
- **Kaiser Permanente**, Mitch Saruwatari, Director of Emergency Management
- **Santa Barbara Cottage Hospital**, Nick Anderson, Vice President of Support Services

Local Governments

- **City of Camarillo**, Carmen Nichols, Assistant City Manager
- **City of Goleta**, Michael Baris, Emergency Services Coordinator
- **City of Irvine**, Robert Simmons, Emergency Management Administrator
- **City of La Canada Flintridge**, Mark Alexander, City Manager
- **City of Malibu**, Susan Duenas, Public Safety Manager
- **City of Santa Clarita**, Rebecca Bernstorff, Management Analyst
- **City of Simi Valley**, Brian Gabler, City Manager
- **City of Thousand Oaks**, Nader Heydari, Deputy Director/City Engineer
- **City of Moorpark**, Mackenzie Douglass, Program Manager of Finance
- **City of Thousand Oaks**, Grahame Watts, Emergency Services Manager

Other

- **California Public Utilities Commission**, Tony Noll, Project Manager
- **Southern California Regional Rail Authority**, Eric Poghosyan, Sr. Manager, Facilities & Fleet Maintenance
- **Amgen**, Cheryl Meisner, Director of Global Facilities & Risk Business Continuity
- **Anaheim Public Utility**, Dukee Lee, General Manager
- **LA County Public Works**, Robert Scharf, Manager

Public Safety Partners

- **Central Ventura County Fire Safe Council**, Mike LaPlant, Board Chair
- **Central Ventura County Fire Safe Council**, Elaine Himelfarb, Executive Director
- **City of Fillmore**, Keith Gurrola, Fire Chief
- **City of Laguna Beach**, Mike Garcia, Fire Chief
- **City of Newport Beach**, Kevin Bass, Fire Marshall
- **City of Santa Barbara**, Yoli McGlinchey, Emergency Services Manager
- **LA County Fire**, Anderson Mackey, Assistance Fire Chief
- **Montecito Fire Department**, Kevin Taylor, Fire Chief
- **Orange County Fire Authority**, TJ, McGovern, Division Chief
- **Orange County Sheriff's Department**, Janell Harriman, Senior Emergency Management Program Coordinator
- **TCEP - Topanga Coalition for Emergency Preparedness**, James Grasso, Director-Agency Liaison

PUBLIC SAFETY POWER SHUTOFF (PSPS) WORKING GROUP

Q2 Meeting – June 2, 2021

LA Metro & Coastal Region (CalOES Region I)

Los Angeles, Orange, Ventura, and Santa Barbara Counties

Energy for What's Ahead®



WELCOME & SAFETY

MIKE BUSHEY

Director

Government, Institutions, Agriculture and Water
Business Customer Division

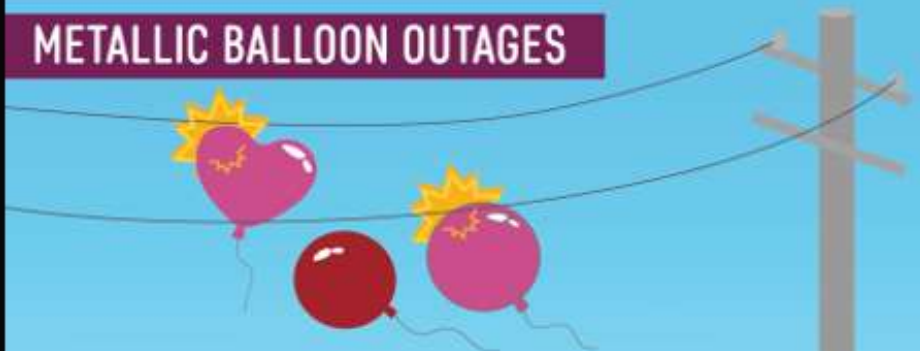


SAFETY MOMENT

Here are some 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.

METALLIC BALLOON OUTAGES

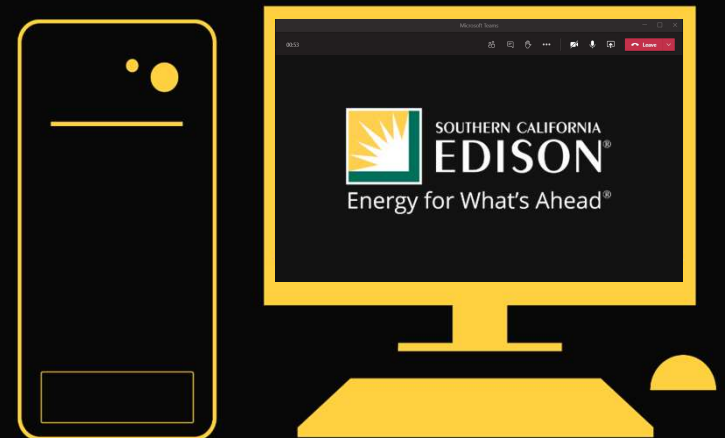
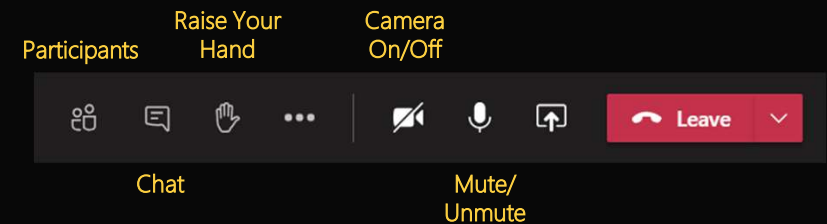


2020	CUSTOMER HOURS INTERRUPTED	CUSTOMERS INTERRUPTED
JAN	22,573	64,337
FEB	28,686	103,521
MAR	14,486	106,910
APR	14,778	60,847
MAY	47,481	164,712
JUN	68,040	244,771
JUL	34,185	249,533
AUG	42,927	107,090
SEP	39,881	104,881
OCT	47,742	121,233
NOV	38,587	93,442
DEC	20,107	71,879
TOTAL	419,472	1,493,156



HOUSEKEEPING

- Meeting will be **recorded**
- Use the **Raise your hand** or **Chat** feature located on your screen if you have a question
- Turn on your **camera** if you feel comfortable
- You'll be announced when it's your time to ask your question
- Unmute yourself to speak then mute yourself when you are finished with your question
- If you have any issues with using Teams, email us at **SCESPSOutreach@sce.com**



AGENDA

TOPIC	PRESENTER	DURATION
Welcome, Safety & 2021 Outlook	Mike Bushey	10 minutes
Reduce the need for PSPS	Terry Ohanian	15 minutes
Update		
• Public Safety Portal & SCE.com Enhancements	Frank Starke	30 minutes
• PSPS Notifications	Bob Stiens & Jude Schneider	15 minutes
PSPS Decision Making Materials	Jude Schneider	5 minutes
Round Table and Q&A	All	10 minutes
Closing Remarks	Mike Bushey	5 minutes



2021 WEATHER & WILDFIRE FORECAST

• Weather patterns and expectations

- La Nina conditions are expected to weaken but will likely persist
- Drier and warmer than normal weather pattern to continue
- Some extreme heat days could occur again
- Above normal Santa Ana wind days are expected again

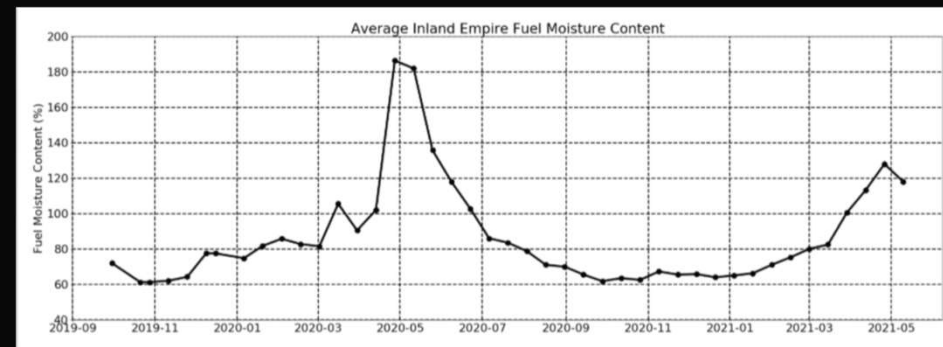
• Fire fuels update

- Fuels are much drier than normal for this time of the year
- Grasses are now completely cured
- Fire activity has been increasing over the last month

• Fire Season Outlook

- Larger fires likely to occur earlier in the season
- Greatest threat for significant fire (Sierra, ANF, LPF)

Month	Forecast	2021 Forecast	
		Forecasted Category	HW Days
June	+0.5 SD/+1.1F	Above Normal	3
July	+0.8 SD/+1.8F	Above Normal	6
August	+0.7 SD/+1.3F	Above Normal	9
September	+0.8 SD/+1.5F	Above Normal	7
October	+0.6 SD/+1.4F	Above Normal	2



COMMUNITY OUTREACH

ENGAGEMENT	BACKGROUND/PURPOSE	TARGET AUDIENCE	COMPLETED MEETINGS	UPCOMING MEETINGS
Wildfire Safety Community Meetings www.sce.com/wildfiresafetymeetings	Regional-based sessions that provide an update on PSPS and WMP work in 2021	Communities impacted by PSPS	9 completed, ~803 participants	<ul style="list-style-type: none"> June 2, 2021, 6:00pm – 7:30pm; Kern County June 3, 2021, 6:00pm – 7:30pm; Mono, Inyo, Fresno, Tulare, Madera, and Tuolumne counties
Power Talks www.sce.com/wildfiresafetymeetings	Customer-segmented and regional-based sessions that provide an overview of outages, including PSPS	Business and residential customers	9 completed, ~370 participants	<ul style="list-style-type: none"> June 9, 2021, 10:00am – 11:30; Commercial customers June 23, 2021, 10:00am – 11:30; Commercial customers June 23, 2021, 2:00pm – 3:00pm; Wildomar/Temecula
Critical Infrastructure Workshops	Provide PSPS updates, tools/resources, and platform to hear best practices within each customer segment	Segment-specific Critical Infrastructure Customers	12 completed, ~260 participants	Ongoing
Local and Tribal Governments	Provide updates on wildfire mitigation and PSPS, solicit feedback	Local and Tribal Governments	Met with 29 jurisdictions	Ongoing

REDUCE THE NEED FOR PSPS

TERRY OHANIAN

Director
Grid Hardening Execution
PSPS Readiness



REDUCING THE NEED FOR 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
- We are putting specific emphasis on those circuits **most frequently impacted** by PSPS while continuing work on other circuits subject to PSPS
- The emphasis on specific frequently impacted circuits is what we call our **Expedited Grid Hardening Program**



Energy for What's Ahead®

EXPEDITED GRID HARDENING TOOLS

Insulated Wires

Targeted replacement of bare wire with insulated wires (covered conductor) to be able to safely raise windspeed thresholds for PSPS

Scope: ~700 miles
Complete: ~160 miles
(as of 5/25)

Segmentation

Installing additional automated devices to further isolate and reduce the number of customers that have to be de-energized per circuit

Scope: 25 devices
Complete: 1 device
(as of 5/25)

Weather Stations

Adding new weather stations to improve situational awareness and increase accuracy of PSPS operations – so only those circuits facing danger are in scope

Scope: 9 devices
Complete: 0 devices
(as of 5/25)

Switching Protocols

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

Ongoing

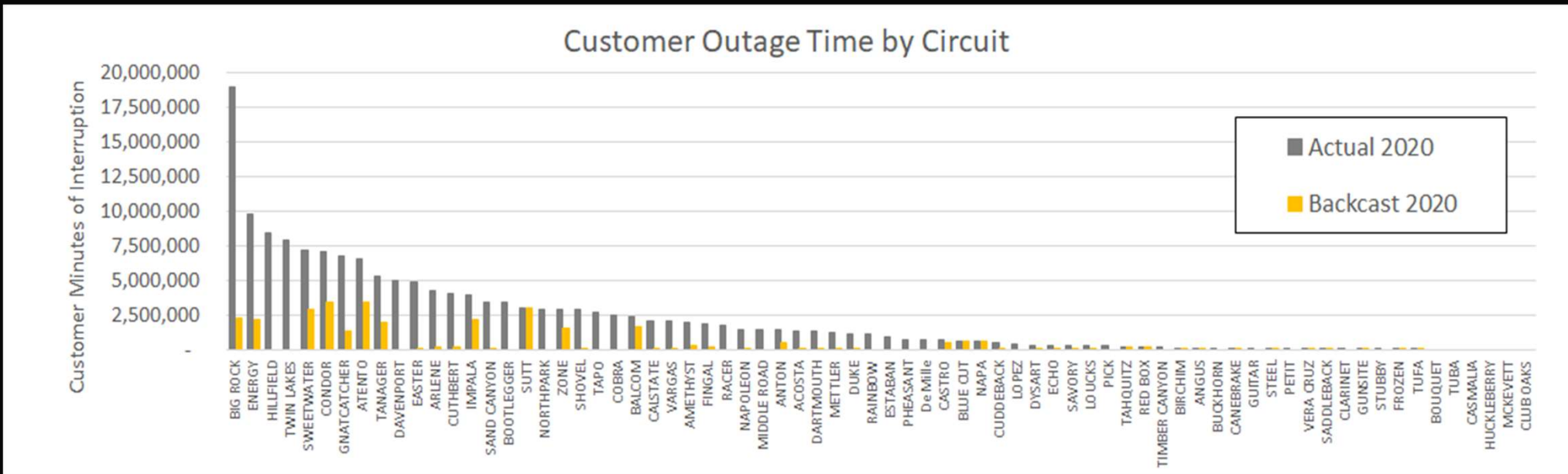
Operational Protocols

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

~23K customers removed from PSPS scope (as of 5/25)

EXPECTED IMPROVEMENTS

With the implementation of our plans, we expect to see up to a **78% reduction in customer outage time** across these 72 frequently impacted circuits compared to 2020, assuming the same weather conditions and successful execution of the entire plan



- 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 PSPS-related Customer Minutes of Interruption (CMI).

CIRCUIT SELECTED FOR PSPS ENHANCEMENTS

sce.com/pspsenhancements

Circuits Selected For PSPS Enhancements


[Home](#) > [Wildfire Safety](#) > [Public Safety Power Shutoffs](#) > **Circuits Selected For PSPS Enhancements**

SCE has identified circuits that have been most impacted by Public Safety Power Shutoffs (PSPS) – or those with four or more PSPS de-energizations between 2019 and January 2021 – for [expedited grid hardening](#) and other enhancements to reduce the need for PSPS.

When we complete this work, SCE is estimating more than a 75% reduction in PSPS outage time on these circuits under weather conditions similar to last year. This estimate is based on a backcast method that analyzes past weather conditions against the expedited upgrades. In addition, of the 57,000 customers on these circuits who experienced at least one PSPS outage in 2020, about 37,000 of these customers would not have experienced an outage after the expedited upgrades. Many of the remaining 20,000 customers would have seen fewer and/or shorter PSPS outages.

To learn more about the work on a specific circuit, click on the county and then click on the circuit name. While this information is accurate at the time of posting, both the scope of work and timeline are subject to change.

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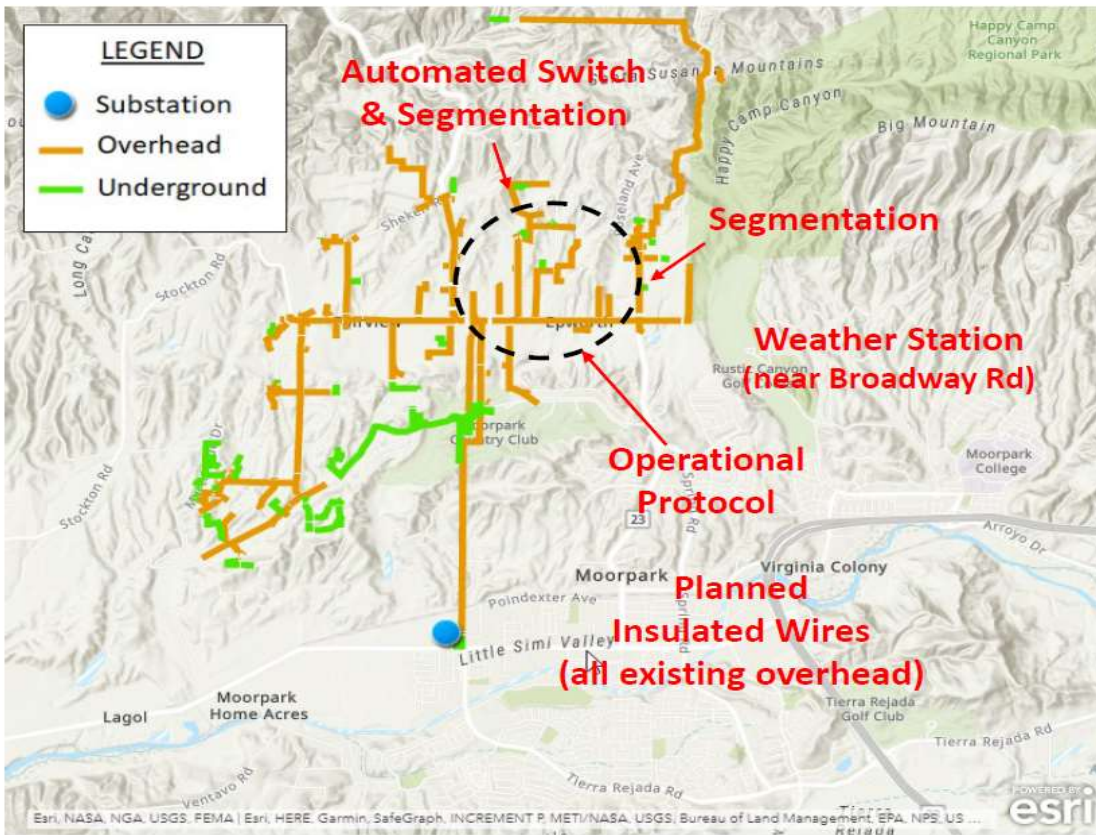
Riverside County (Updated as of May 8, 2021) 

Ventura County (Updated as of May 24, 2021) 

Energy for What's Ahead®

INDIVIDUAL CIRCUIT INFORMATION EXAMPLE

ANTON CIRCUIT PLAN



Planned Work:

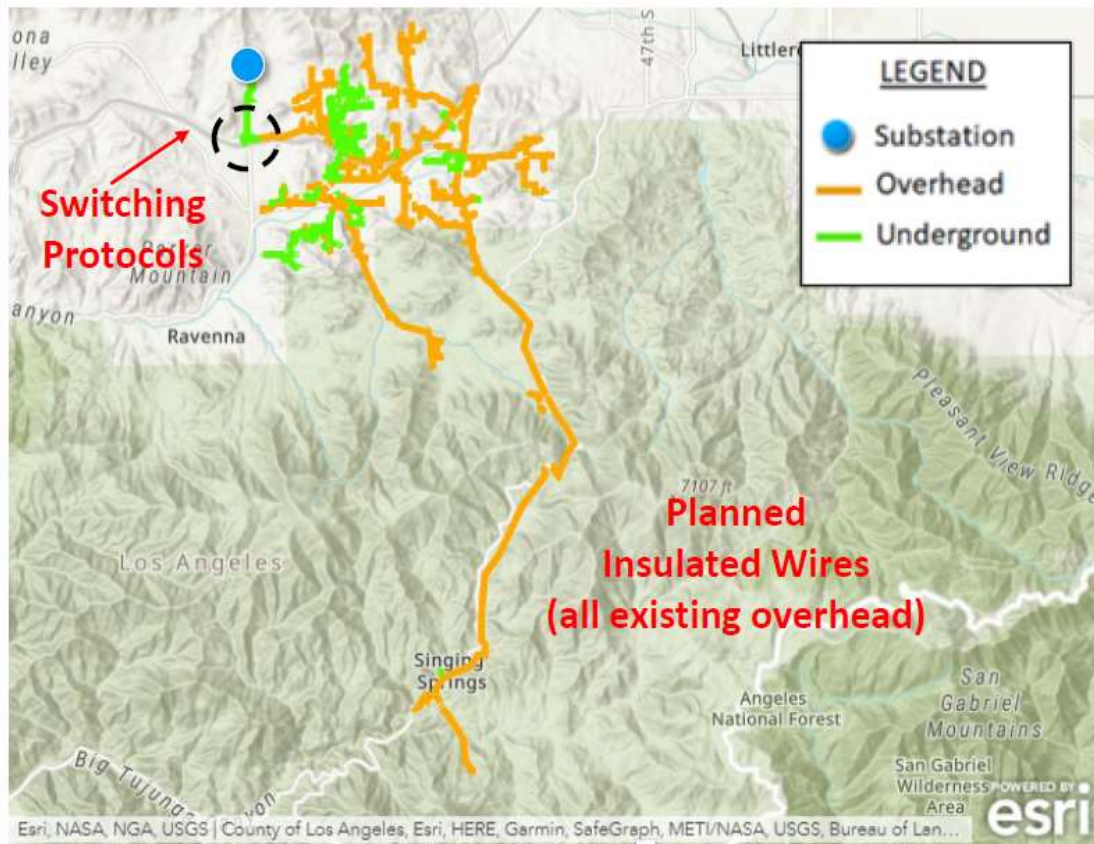
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- Implement operational protocol to raise PSPS windspeed thresholds

Expected Improvements:

- **59% reduction** in customer outage time, assuming the same weather conditions in 2020

INDIVIDUAL CIRCUIT INFORMATION EXAMPLE

Bootlegger Circuit Plan



Planned Work:

- Insulated Wires: Replace 27.6 miles of existing overhead wire with new insulated wire
- Switching Protocols: Implement switching protocol to remove some customers and critical businesses from PSPS

Expected Improvements:

- **100% reduction** in customer outage time, assuming the same weather conditions in 2020

PUBLIC SAFETY PORTAL & SCE.COM ENHANCEMENTS

FRANK STARKE

Senior Advisor
Marketing & Digital
Customer Service



PSPS PUBLIC SAFETY PARTNER PORTAL

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- **Water, wastewater and communication service providers**
- **Community choice aggregators (CCAs)**
- **Affected publicly-owned utilities (POUs)/electrical cooperatives**
- **CPUC**
- **CalOES**
- **CAL FIRE**

* CPUC Decision 19-05-042

CRITICAL INFRASTRUCTURE CUSTOMERS

- **Emergency Services Sector**
- **Government Facilities Sector**
- **Healthcare and Public Health Sector**
- **Energy Sector**
- **Water and Wastewater Systems Sector**
- **Communications Sector**
- **Chemical Sector**

Energy for What's Ahead®

PSPS PUBLIC SAFETY PARTNER PORTAL

PLANNING (PRE-EVENT) information to help for planning purposes when there is no active PSPS event. The section will include the following:

- PSPS planning interactive map
 - Includes Outage Areas, and impacted Circuits
- Planning Files
 - Outage Areas and Impacted Circuits in various downloadable formats and API to allow integration with third party systems
- Planning Reports
 - Summary of potentially impacted customers
 - Critical facilities and identified medical baseline and critical care customers
 - Also available in various downloadable formats and API
- PSPS Sample Notifications

IN-EVENT (CURRENT AND PAST EVENTS) information used to get active PSPS information and archived PSPS event information. The section will include the following:

- PSPS event Interactive map
 - Includes Outage Areas, impacted Circuits with estimated restoration times, Community Resource center and Community Crew Vehicles
- Event specific Files
 - Outage Areas and Impacted Circuits in various downloadable formats and API to allow integration with third party systems
- Event specific Reports
 - Summary of impacted customers
 - Critical facilities and identified medical baseline and critical care customers
 - Also available in various downloadable formats and API
- Reports including situational awareness and data
- Archive of inactive past events

PUBLIC SAFETY PARTNER PORTAL TRAINING

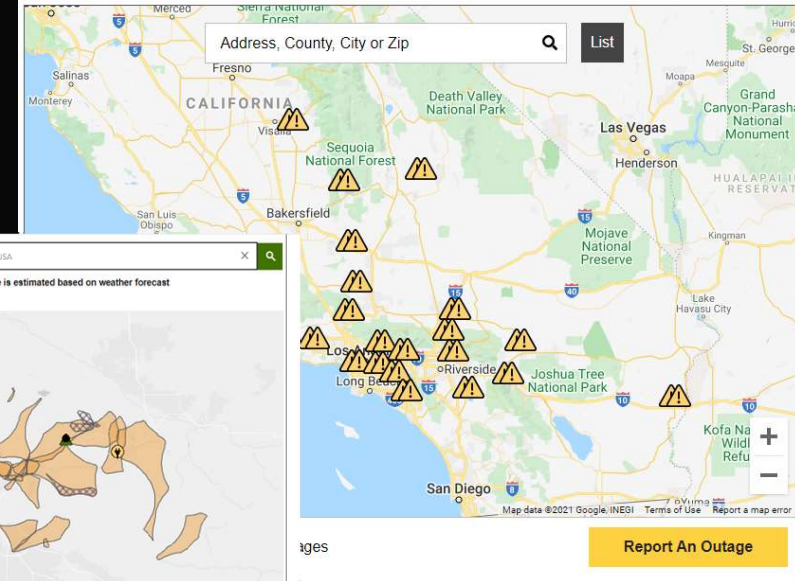
Training Date	Invitees
June 15	Local & Tribal Government
June 16	Local & Tribal Government
June 16	Community Choice Aggregators
June 17	Telecom & Water, Wastewater
June 17	Critical Infrastructure Customers
June 22	Critical Infrastructure Customers
June 23	Critical Infrastructure Customers

SCE.COM ENHANCEMENTS

- Available **September 2021**
- Address **outage look up** feature on SCE.com
 - Punch in an address to see status of outage, as applicable
- Consolidating **all outages** into single map (e.g., Maintenance, Repair, PSPS, Rotating Outages)
 - Click on/off feature for different types of outages

View Current Power Outages

Select an icon on the map to learn more about the outage and our estimated restoration time. Need a place to stay? Click [HERE](#) to find hotel discounts (at participating hotels) for customers experiencing an extended outage.



Enter an address, county, zip code or place to see if it is impacted. Agua Dulce, CA, USA

Monitoring for PSPS from: 12/23/2020 3:00 AM to: 12/24/2020 12:00 PM. End date is estimated based on weather forecast
County: Los Angeles

Legend: Power Shutoff Under PSPS consideration Community Crew Vehicles Community Resource Centers

If your power has been shut off, we will restore power as soon as the weather conditions permit, and crews have inspected the power lines to confirm it is safe to restore power. For status on an outage, please sign up to receive alerts, or call 1-800-655-4555.
To learn more about PSPS, please scroll down this page for detailed information about customer notifications, how to sign up for updates, and how to prepare.
During a Public Safety Power Shutoff event, there may be some customers who are not impacted within the highlighted boundaries.

Don't see your outage here? [View Standard Outage Map](#)

Current PSPS Status

Power Is Shut Off		Power Shutoff Under Consideration	
Of SCE's 5 million customers:	341 (< 1%)	Of SCE's 5 million customers:	170,010 (3.4%)
Los Angeles County	154 customers	Kern County	6,927 customers
Riverside County	83 customers	Los Angeles County	31,627 customers
San Bernardino County	9 customers	Orange County	9,641 customers

PSPS Event

Maintenance/Repair Outages

Energy for What's Ahead®

SITUATIONAL AWARENESS NOTIFICATIONS

BOB STIENS

Senior Advisor
Government Relations
Local Public Affairs



Notifications: Local & Tribal Governments and other Stakeholders

- Operational Changes
 - Situational Awareness Notifications now sent **once a day** instead of twice a day
 - Will improve accuracy by allowing additional data in each forecast
 - Additional notifications will be sent if conditions change (starting the day before the event starts)
 - In-event notifications will continue to be sent real time
 - Information posted on SCE.com at **72 hours** instead of 48 hours
 - De-Energization notices **sent on approval** rather than waiting for confirmation
- Notifications for Local and Tribal Governments and other Stakeholders
 - New automation of process will **significantly increase the speed** notifications are sent
 - Renamed LNO Notification to **Situational Awareness Notification Spreadsheet (SANS)**
 - **Added color** coding to help identify changes
 - **Segmentation** will be added for de-energization
 - Working towards segmentation on forecasts
 - SANS will be posted to **Public Safety Partners Portal**

Situational Awareness Notification Spreadsheet (SANS) Notification Cadence

1. **Initial** notification (72 hours out--if possible) is sent at the start of the incident for each impacted county and includes the activation's first LNO spreadsheet.
2. **Update** notifications are typically sent daily with an attached LNO spreadsheet after each weather report/period of concern (POC) generated by Operations.
3. **Expected Shutoff** (previously imminent de-energization) sent, as needed, during PSPS events. No attachments.
4. **Shutoff** (previously de-energization) sent, as needed, during PSPS events. No attachments.
5. **Imminent Restoration** sent, as needed, during PSPS events. No attachments.
6. **Restoration** notifications sent, as needed, during PSPS events. No attachments.
7. **Event Concluded** notification (2 versions) is sent at the end of the incident for each county that had one or more circuits on the MCL letting officials know the power is restored (or restored with noted exceptions), and the event is concluded.

Southern California Edison LNO Circuit List with Periods of Concern

as of 01/14/2021 - Report #2

note 1: Restoration activities begin as soon as conditions in

note 2: Estimated Restoration Times may be delayed if dam

note 3: 72-hour notification information is for local government and agency

note 4: Approximate customer counts are calculated by circuit, regardless of jurisdiction. If a circuit crosses jurisdictional boundaries, the total customer count

note 5: Please refer to Definitions tab for ad

note 6: Any circuits on the list that do not display period of concern times means those circuits have period

Circuit Name	Segment(s)	County	Incorporated City/Cities	Unincorporated Communities	Circuit Notification Status	Comments	Est. Restor. Time De-Energ Circuits	01/14/20 21 PoC Time	01/15/20 21 PoC Time	01/16/20 21 PoC Time	01/17/20 21 PoC Time	Residential/ Unassigned	Essential Use	Major	MBL	Critical Care	Customer Totals
NGUS		VENTURA		Sespe Village ; Keith Oak Village	Initial			0900-0000	0000-1200			1512	1	55	23	4	1595
NTON		VENTURA	MOORPARK		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
NTON		VENTURA		North of Moorpark	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
RLENE		LOS ANGELES	SANTA CLARITA		Updated Period of Concern			0900-0000	0000-1200			1594	0	55	69	5	1723
TENTO		ORANGE		Portola Hills ; Modjeska ; Silverado	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
TENTO		ORANGE	LAKE FOREST		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
VANTI		SAN BERNARDINO		Verdemont ; University Heights	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
		SAN BERNARDINO	SAN BERNARDINO		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
		VENTURA		Bardsdale ; South of Cavin	All Clear							581	0	43	8	3	635
		VENTURA	FILLMORE		All Clear							581	0	43	8	3	635

CUSTOMER NOTIFICATIONS

JUDE SCHNEIDER

Senior Advisor
PSPS Response
PSPS Readiness



CUSTOMER NOTIFICATIONS

CLARITY

- Rewrote customer notifications, tested with PSPS customers and rewrote again
- More direct, simpler language
- Added end of POC and typical restoration window to better inform customers

CADENCE

- Changed process to miss fewer imminent and shutoff notifications
- Adding “next day” notification

ACCURACY

- Short term automation to reduce manual efforts
- Long term—completely automated process in which databases and weather information will communicate and Artificial Intelligence will continually calibrate results
- Commitment to continuous program improvement

PSPS Decision Making Material

sce.com/pspsdecisionmaking



Public Safety Power Shutoffs:
How Southern California Edison makes decisions

Southern California Edison considers the need for Public Safety Power Shutoffs when weather and fire experts forecast dangerous conditions, including strong winds, very dry vegetation and low humidity. Combined, these create the risk that flying debris or other damage to wires and equipment could cause a fire with the potential to spread rapidly and threaten communities.

[CLICK FOR FACT SHEET](#)

The infographic features a dark grey header with the title in white. Below the header is a blue background. On the left, there is an illustration of a residential street with houses, trees, and utility poles under a bright sun. On the right, there is a text box with a yellow button labeled 'CLICK FOR FACT SHEET'.

Energy for What's Ahead®

ROUND TABLE and Q&A

CLOSING REMARKS

MIKE BUSHEY

Director
Government, Institutions, Agriculture and Water
Business Customer Division



POLL

1. What sort of topics would you like to discuss in future Working Group sessions:

- Community Safety
- PSPS Notifications
- PSPS Portal
- Community Outreach
- Critical Infrastructure
- Grid Hardening
- Please see survey (to add more options)

2. Was today's Working Group meeting useful to you?

- Yes
- No
- Please see survey (for more feedback)

MS Team Poll Feature

- A pop-up box will come with one question at a time (there are a total of two)
- Click on your response, multiple options are available
- Results of the poll will be updated dynamically in the chat box for this meeting
- A survey will be sent out this morning, for you to add more detail or provide more feedback

ENCOURAGE YOUR COMMUNITIES

STAY INFORMED



- Visit [sce.com/wildfire](https://www.sce.com/wildfire)
- Sign up for the Energized by Edison Wildfire Mitigation Newsletter at energized.edison.com

SIGN UP



- PSPS alerts
- SCE's Medical Baseline program
- SCE programs and rebates

BE PREPARED



- Have a safety preparedness plan and basic supplies ready
- Power outage tips

REMINDERS

Q3 2021 Meetings

- **Central Region:** Kern, Tulare, Fresno, Madera, and Tuolumne Counties – **August 31** from **9-10:30 a.m.**
- **LA Metro & Coastal:** Los Angeles, Orange, Ventura, and Santa Barbara Counties – **September 1** from **9-10:30 a.m.**
- **Inland Empire & Northern:** San Bernardino, Riverside, Mono, and Inyo Counties – **September 2** from **9-10:30 a.m.**
- **CPUC report** summarizing today's meeting will be provided
- Please complete our **survey**
- If you have any questions, email us at **SCEPSPOutreach@sce.com**
- **Thank you** for your participation!



Thank you!



PSPS WORKING GROUP MEMBERS – LA METRO & COASTAL REGION

Access & Functional Needs

- **211 Orange County**, Amy Arambulo, Director, Community Programs
- **211, Interface Children & Family Services**, Kelly Brown, 211 Director
- **Independent Living Resource Center**, Jennifer Griffin, Executive Director
- **Service Center for Independent Life**, Larry Grable, Executive Director

Community Choice Aggregators

- **Cal Choice**, Cathy DeFalco, Director
- **Clean Power Alliance of Southern California**, Monique Edwards, Director, Technology, Data & People

Communications & Water Service Providers

- **AT&T**, Josh Overton, Area Manager Network Process & Quality
- **AT&T**, Kevin Quinn, Area Manager
- **Cox**, Jacques Ballard, Director
- **Verizon**, Alvaro Sanchez, Sr. Manager
- **Crown Castle**, Sonny Nunez, Utility Relations Manager
- **Frontier Communications**, Mark Capruso, Operations Director
- **Frontier Communications**, Nora Garrido, ERC Leader
- **Verizon**, Joseph Schultz, Field Manager
- **California Water Services**, Jim Crawford, District Manager
- **El Capitan Mutual Water Company**, Allen Paneral, Field Operations,
- **Metropolitan Water District**, Ian Whyte, Program Manager
- **Moulton Niguel Water District**, Joone Lopez, General Manager

Healthcare / Hospital

- **Community Memorial Hospital**, Haady Lashkari, CAO, OVCH
- **Kaiser Permanente**, Mitch Saruwatari, Director of Emergency Management
- **Santa Barbara Cottage Hospital**, Nick Anderson, Vice President of Support Services

Local Governments

- **City of Camarillo**, Carmen Nichols, Assistant City Manager
- **City of Goleta**, Michael Baris, Emergency Services Coordinator
- **City of Irvine**, Robert Simmons, Emergency Management Administrator
- **City of La Canada Flintridge**, Mark Alexander, City Manager
- **City of Malibu**, Susan Duenas, Public Safety Manager
- **City of Santa Clarita**, Rebecca Bernstorff, Management Analyst
- **City of Simi Valley**, Brian Gabler, City Manager
- **City of Thousand Oaks**, Nader Heydari, Deputy Director/City Engineer
- **City of Moorpark**, Mackenzie Douglass, Program Manager of Finance
- **City of Thousand Oaks**, Grahame Watts, Emergency Services Manager

Other

- **California Public Utilities Commission**, Tony Noll, Project Manager
- **Southern California Regional Rail Authority**, Eric Poghosyan, Sr. Manager, Facilities & Fleet Maintenance
- **Amgen**, Cheryl Meisner, Director of Global Facilities & Risk Business Continuity
- **Anaheim Public Utility**, Dukee Lee, General Manager
- **LA County Public Works**, Robert Scharf, Manager

Public Safety Partners

- **Central Ventura County Fire Safe Council**, Mike LaPlant, Board Chair
- **Central Ventura County Fire Safe Council**, Elaine Himelfarb, Executive Director
- **City of Fillmore**, Keith Gurrola, Fire Chief
- **City of Laguna Beach**, Mike Garcia, Fire Chief
- **City of Newport Beach**, Kevin Bass, Fire Marshall
- **City of Santa Barbara**, Yoli McGlinchey, Emergency Services Manager
- **LA County Fire**, Anderson Mackey, Assistance Fire Chief
- **Montecito Fire Department**, Kevin Taylor, Fire Chief
- **Orange County Fire Authority**, TJ, McGovern, Division Chief
- **Orange County Sheriff's Department**, Janell Harriman, Senior Emergency Management Program Coordinator
- **TCEP - Topanga Coalition for Emergency Preparedness**, James Grasso, Director-Agency Liaison

PUBLIC SAFETY POWER SHUTOFF (PSPS) WORKING GROUP

Q2 Meeting – June 2, 2021

LA Metro & Coastal Region (CalOES Region I)

Los Angeles, Orange, Ventura, and Santa Barbara Counties

Energy for What's Ahead[®]



WELCOME & SAFETY

MIKE BUSHEY

Director

Government, Institutions, Agriculture and Water
Business Customer Division

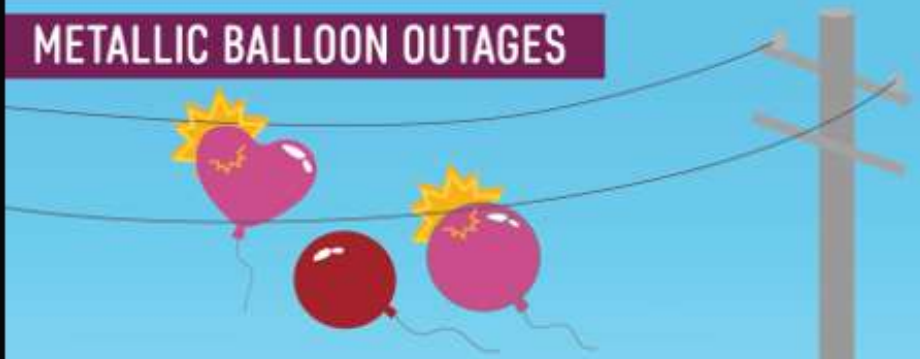


SAFETY MOMENT

Here are some 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.

METALLIC BALLOON OUTAGES

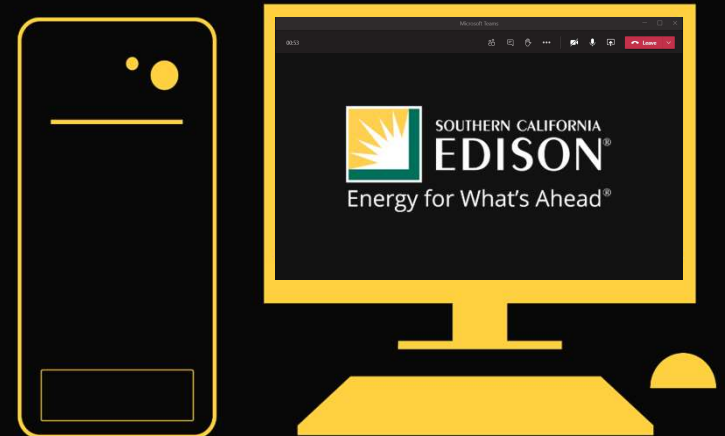
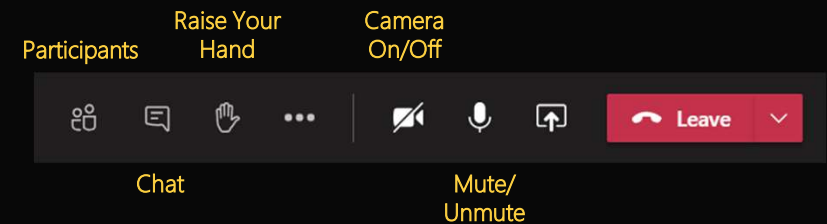


2020	CUSTOMER HOURS INTERRUPTED	CUSTOMERS INTERRUPTED
JAN	22,573	64,337
FEB	28,686	103,521
MAR	14,486	106,910
APR	14,778	60,847
MAY	47,481	164,712
JUN	68,040	244,771
JUL	34,185	249,533
AUG	42,927	107,090
SEP	39,881	104,881
OCT	47,742	121,233
NOV	38,587	93,442
DEC	20,107	71,879
TOTAL	419,472	1,493,156



HOUSEKEEPING

- Meeting will be **recorded**
- Use the **Raise your hand** or **Chat** feature located on your screen if you have a question
- Turn on your **camera** if you feel comfortable
- You'll be announced when it's your time to ask your question
- Unmute yourself to speak then mute yourself when you are finished with your question
- If you have any issues with using Teams, email us at **SCEPSPOutreach@sce.com**



AGENDA

TOPIC	PRESENTER	DURATION
Welcome, Safety & 2021 Outlook	Mike Bushey	10 minutes
Reduce the need for PSPS	Terry Ohanian	15 minutes
Update		
• Public Safety Portal & SCE.com Enhancements	Frank Starke	30 minutes
• PSPS Notifications	Bob Stiens & Jude Schneider	15 minutes
PSPS Decision Making Materials	Jude Schneider	5 minutes
Round Table and Q&A	All	10 minutes
Closing Remarks	Mike Bushey	5 minutes



2021 WEATHER & WILDFIRE FORECAST

• Weather patterns and expectations

- La Nina conditions are expected to weaken but will likely persist
- Drier and warmer than normal weather pattern to continue
- Some extreme heat days could occur again
- Above normal Santa Ana wind days are expected again

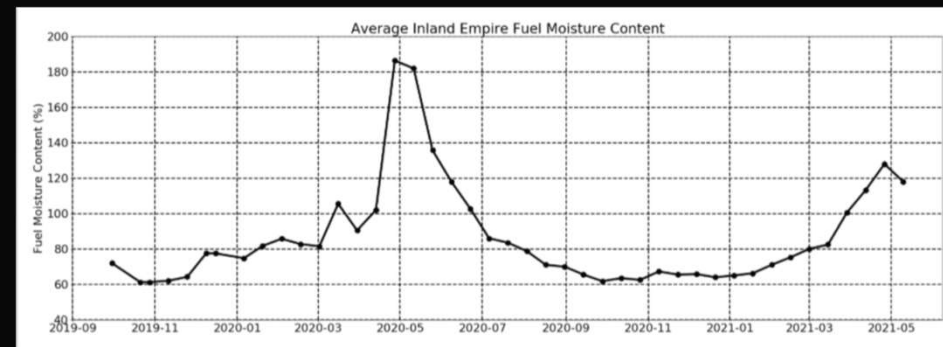
• Fire fuels update

- Fuels are much drier than normal for this time of the year
- Grasses are now completely cured
- Fire activity has been increasing over the last month

• Fire Season Outlook

- Larger fires likely to occur earlier in the season
- Greatest threat for significant fire (Sierra, ANF, LPF)

Month	Forecast	2021 Forecast	
		Forecasted Category	HW Days
June	+0.5 SD/+1.1F	Above Normal	3
July	+0.8 SD/+1.8F	Above Normal	6
August	+0.7 SD/+1.3F	Above Normal	9
September	+0.8 SD/+1.5F	Above Normal	7
October	+0.6 SD/+1.4F	Above Normal	2



COMMUNITY OUTREACH

ENGAGEMENT	BACKGROUND/PURPOSE	TARGET AUDIENCE	COMPLETED MEETINGS	UPCOMING MEETINGS
Wildfire Safety Community Meetings www.sce.com/wildfiresafetymeetings	Regional-based sessions that provide an update on PSPS and WMP work in 2021	Communities impacted by PSPS	9 completed, ~803 participants	<ul style="list-style-type: none"> June 2, 2021, 6:00pm – 7:30pm; Kern County June 3, 2021, 6:00pm – 7:30pm; Mono, Inyo, Fresno, Tulare, Madera, and Tuolumne counties
Power Talks www.sce.com/wildfiresafetymeetings	Customer-segmented and regional-based sessions that provide an overview of outages, including PSPS	Business and residential customers	9 completed, ~370 participants	<ul style="list-style-type: none"> June 9, 2021, 10:00am – 11:30; Commercial customers June 23, 2021, 10:00am – 11:30; Commercial customers June 23, 2021, 2:00pm – 3:00pm; Wildomar/Temecula
Critical Infrastructure Workshops	Provide PSPS updates, tools/resources, and platform to hear best practices within each customer segment	Segment-specific Critical Infrastructure Customers	12 completed, ~260 participants	Ongoing
Local and Tribal Governments	Provide updates on wildfire mitigation and PSPS, solicit feedback	Local and Tribal Governments	Met with 29 jurisdictions	Ongoing

REDUCE THE NEED FOR PSPS

TERRY OHANIAN

Director
Grid Hardening Execution
PSPS Readiness



REDUCING THE NEED FOR 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
- We are putting specific emphasis on those circuits **most frequently impacted** by PSPS while continuing work on other circuits subject to PSPS
- The emphasis on specific frequently impacted circuits is what we call our **Expedited Grid Hardening Program**



Energy for What's Ahead®

EXPEDITED GRID HARDENING TOOLS

Insulated Wires

Targeted replacement of bare wire with insulated wires (covered conductor) to be able to safely raise windspeed thresholds for PSPS

Scope: ~700 miles
Complete: ~160 miles
(as of 5/25)

Segmentation

Installing additional automated devices to further isolate and reduce the number of customers that have to be de-energized per circuit

Scope: 25 devices
Complete: 1 device
(as of 5/25)

Weather Stations

Adding new weather stations to improve situational awareness and increase accuracy of PSPS operations – so only those circuits facing danger are in scope

Scope: 9 devices
Complete: 0 devices
(as of 5/25)

Switching Protocols

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

Ongoing

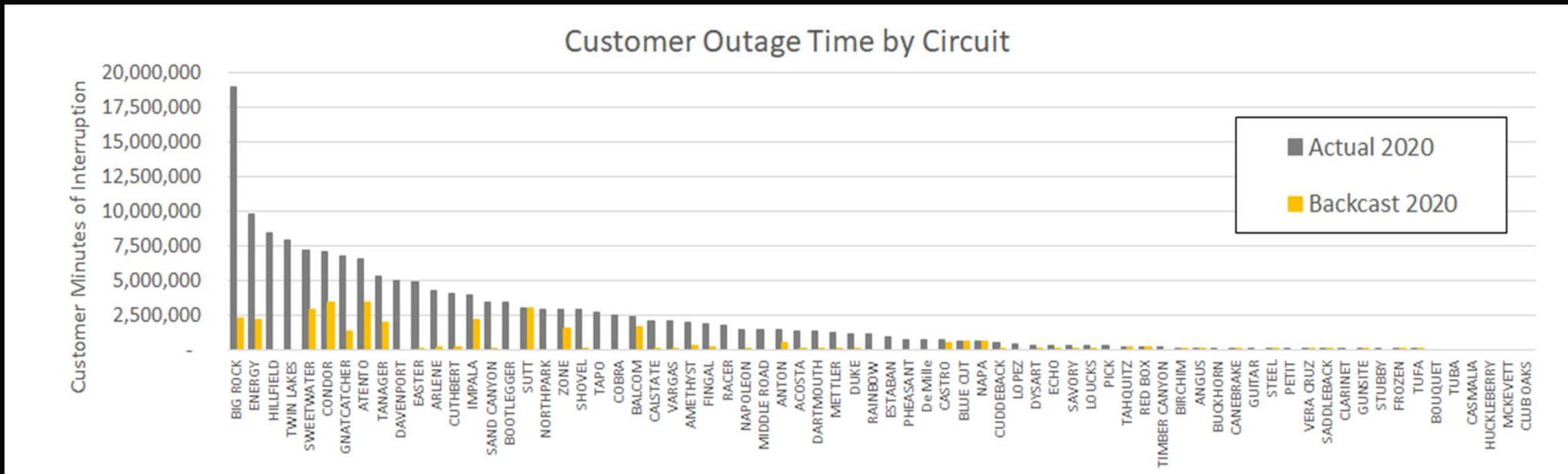
Operational Protocols

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

~23K customers removed from PSPS scope (as of 5/25)

EXPECTED IMPROVEMENTS

With the implementation of our plans, we expect to see up to a **78% reduction in customer outage time** across these 72 frequently impacted circuits compared to 2020, assuming the same weather conditions and successful execution of the entire plan



- 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 PSPS-related Customer Minutes of Interruption (CMI).

CIRCUIT SELECTED FOR PSPS ENHANCEMENTS

sce.com/pspsenhancements

Circuits Selected For PSPS Enhancements

[Home](#) > [Wildfire Safety](#) > [Public Safety Power Shutoffs](#) > **Circuits Selected For PSPS Enhancements**

SCE has identified circuits that have been most impacted by Public Safety Power Shutoffs (PSPS) – or those with four or more PSPS de-energizations between 2019 and January 2021 – for [expedited grid hardening](#) and other enhancements to reduce the need for PSPS.

When we complete this work, SCE is estimating more than a 75% reduction in PSPS outage time on these circuits under weather conditions similar to last year. This estimate is based on a backcast method that analyzes past weather conditions against the expedited upgrades. In addition, of the 57,000 customers on these circuits who experienced at least one PSPS outage in 2020, about 37,000 of these customers would not have experienced an outage after the expedited upgrades. Many of the remaining 20,000 customers would have seen fewer and/or shorter PSPS outages.

To learn more about the work on a specific circuit, click on the county and then click on the circuit name. While this information is accurate at the time of posting, both the scope of work and timeline are subject to change.

Los Angeles County (Updated as of May 19, 2021) ▼

Orange County (Updated as of May 17, 2021) ▼

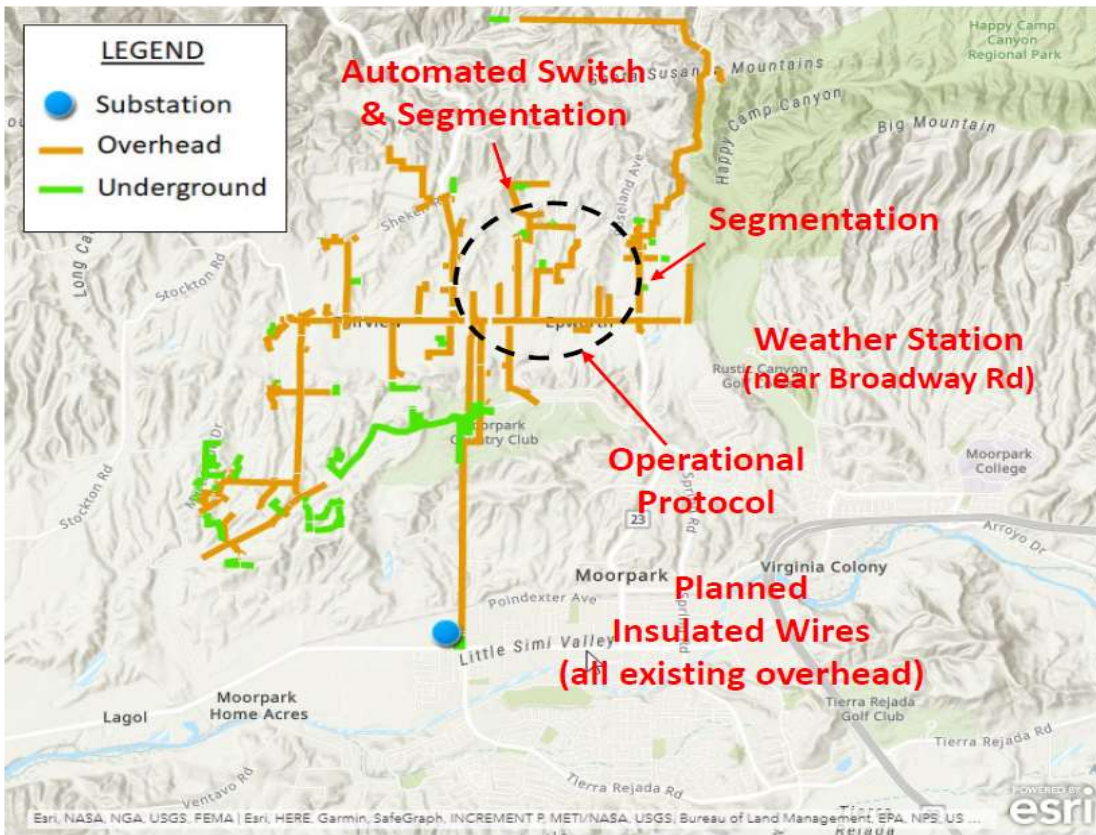
Riverside County (Updated as of May 8, 2021) ▼

Ventura County (Updated as of May 24, 2021) ▼

Energy for What's Ahead®

INDIVIDUAL CIRCUIT INFORMATION EXAMPLE

ANTON CIRCUIT PLAN



Planned Work:

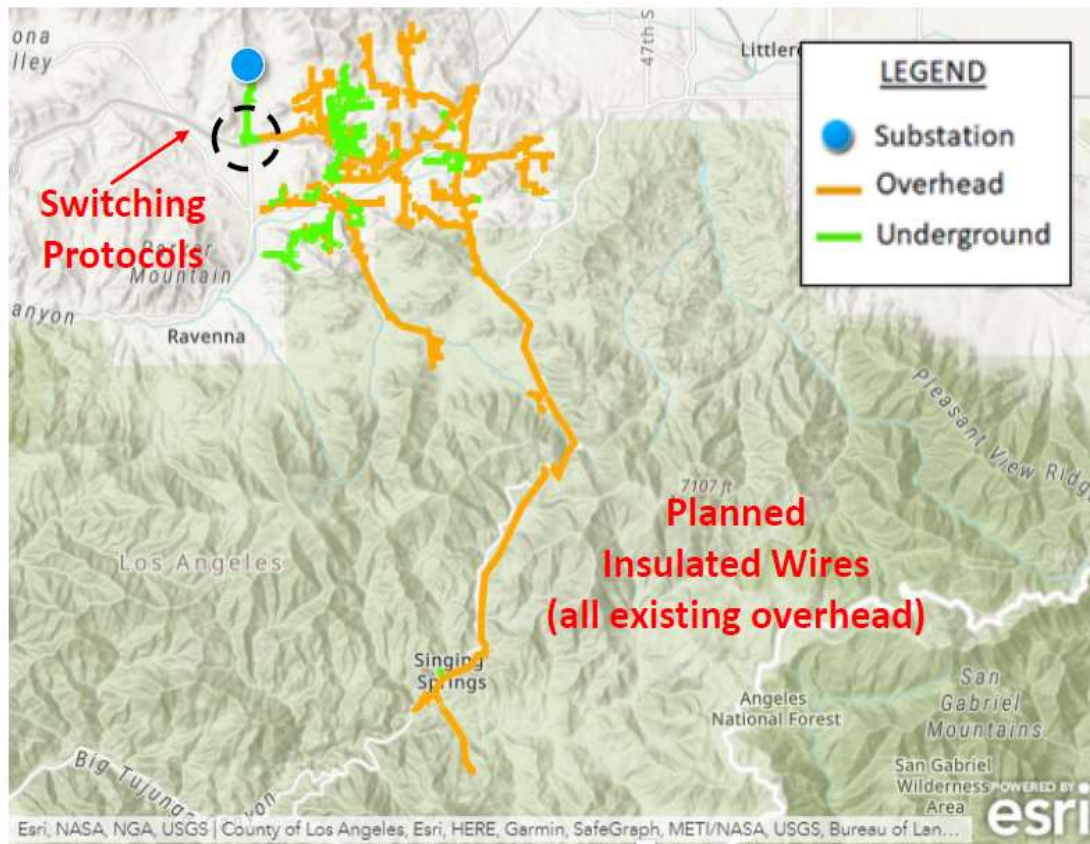
- Replace 24 miles of existing overhead wire with new insulated wire
- Install an additional weather station
- Install 1 automated switch and implement additional segmentation
- Implement operational protocol to raise PSPS windspeed thresholds

Expected Improvements:

- **59% reduction** in customer outage time, assuming the same weather conditions in 2020

INDIVIDUAL CIRCUIT INFORMATION EXAMPLE

Bootlegger Circuit Plan



Planned Work:

- Insulated Wires: Replace 27.6 miles of existing overhead wire with new insulated wire
- Switching Protocols: Implement switching protocol to remove some customers and critical businesses from PSPS

Expected Improvements:

- **100% reduction** in customer outage time, assuming the same weather conditions in 2020

PUBLIC SAFETY PORTAL & SCE.COM ENHANCEMENTS

FRANK STARKE

Senior Advisor
Marketing & Digital
Customer Service



PSPS PUBLIC SAFETY PARTNER PORTAL

- The new Public Safety Partner Portal is a **single destination** to find PSPS information not available to the public on SCE.com.
- Information is divided into three sections:
 - **Planning (Pre-event)**
 - **Active PSPS events**
 - **Archive of past PSPS event**
- The Public Safety Partner Portal will be available to **CPUC defined Public Safety Partners** and **Critical Infrastructure Customers** (with different levels of access)
- Information a user will see will be specific to the Partner based on their login credentials
- In order to gain access to the Portal, Partners will need to **register and accept a user agreement**
- The Portal will not replace the existing PSPS REST service

PUBLIC SAFETY PARTNERS*

- **First/emergency responders at the local, state and federal level**
- **Water, wastewater and communication service providers**
- **Community choice aggregators (CCAs)**
- **Affected publicly-owned utilities (POUs)/electrical cooperatives**
- **CPUC**
- **CalOES**
- **CAL FIRE**

* CPUC Decision 19-05-042

CRITICAL INFRASTRUCTURE CUSTOMERS

- **Emergency Services Sector**
- **Government Facilities Sector**
- **Healthcare and Public Health Sector**
- **Energy Sector**
- **Water and Wastewater Systems Sector**
- **Communications Sector**
- **Chemical Sector**

Energy for What's Ahead®

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PUBLIC SAFETY PARTNER PORTAL TRAINING

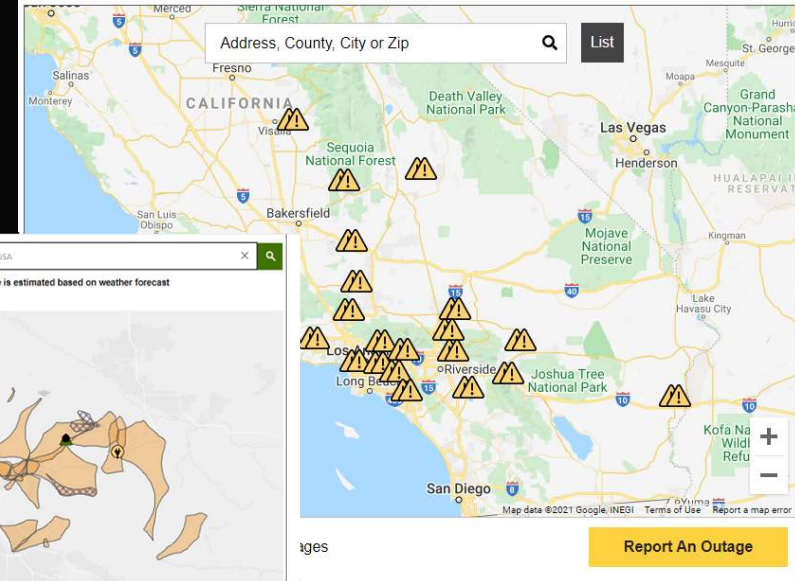
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- Consolidating **all outages** into single map (e.g., Maintenance, Repair, PSPS, Rotating Outages)
 - Click on/off feature for different types of outages

View Current Power Outages

Select an icon on the map to learn more about the outage and our estimated restoration time. Need a place to stay? Click [HERE](#) to find hotel discounts (at participating hotels) for customers experiencing an extended outage.



Enter an address, county, zip code or place to see if it is impacted. Agua Dulce, CA, USA

Monitoring for PSPS from: 12/23/2020 3:00 AM to: 12/24/2020 12:00 PM. End date is estimated based on weather forecast
County: Los Angeles

Legend: Power Shutoff Under PSPS consideration Community Crew Vehicles Community Resource Centers

If your power has been shut off, we will restore power as soon as the weather conditions permit, and crews have inspected the power lines to confirm it is safe to restore power. For status on an outage, please sign up to receive alerts, or call 1-800-655-4555.
To learn more about PSPS, please scroll down this page for detailed information about customer notifications, how to sign up for updates, and how to prepare.
During a Public Safety Power Shutoff event, there may be some customers who are not impacted within the highlighted boundaries.

Don't see your outage here? [View Standard Outage Map](#)

Current PSPS Status

Power Is Shut Off		Power Shutoff Under Consideration	
Of SCE's 5 million customers:	341 (< 1%)	Of SCE's 5 million customers:	170,010 (3.4%)
Los Angeles County	154 customers	Kern County	6,927 customers
Riverside County	83 customers	Los Angeles County	31,627 customers
San Bernardino County	9 customers	Orange County	9,641 customers

PSPS Event

Maintenance/Repair Outages

Energy for What's Ahead®

SITUATIONAL AWARENESS NOTIFICATIONS

BOB STIENS

Senior Advisor
Government Relations
Local Public Affairs



Notifications: Local & Tribal Governments and other Stakeholders

- Operational Changes
 - Situational Awareness Notifications now sent **once a day** instead of twice a day
 - Will improve accuracy by allowing additional data in each forecast
 - Additional notifications will be sent if conditions change (starting the day before the event starts)
 - In-event notifications will continue to be sent real time
 - Information posted on SCE.com at **72 hours** instead of 48 hours
 - De-Energization notices **sent on approval** rather than waiting for confirmation
- Notifications for Local and Tribal Governments and other Stakeholders
 - New automation of process will **significantly increase the speed** notifications are sent
 - Renamed LNO Notification to **Situational Awareness Notification Spreadsheet (SANS)**
 - **Added color** coding to help identify changes
 - **Segmentation** will be added for de-energization
 - Working towards segmentation on forecasts
 - SANS will be posted to **Public Safety Partners Portal**

Situational Awareness Notification Spreadsheet (SANS) Notification Cadence

1. **Initial** notification (72 hours out--if possible) is sent at the start of the incident for each impacted county and includes the activation's first LNO spreadsheet.
2. **Update** notifications are typically sent daily with an attached LNO spreadsheet after each weather report/period of concern (POC) generated by Operations.
3. **Expected Shutoff** (previously imminent de-energization) sent, as needed, during PSPS events. No attachments.
4. **Shutoff** (previously de-energization) sent, as needed, during PSPS events. No attachments.
5. **Imminent Restoration** sent, as needed, during PSPS events. No attachments.
6. **Restoration** notifications sent, as needed, during PSPS events. No attachments.
7. **Event Concluded** notification (2 versions) is sent at the end of the incident for each county that had one or more circuits on the MCL letting officials know the power is restored (or restored with noted exceptions), and the event is concluded.

Southern California Edison LNO Circuit List with Periods of Concern

as of 01/14/2021 - Report #2

note 1: Restoration activities begin as soon as conditions in

note 2: Estimated Restoration Times may be delayed if dam

note 3: 72-hour notification information is for local government and agency

note 4: Approximate customer counts are calculated by circuit, regardless of jurisdiction. If a circuit crosses jurisdictional boundaries, the total customer count

note 5: Please refer to Definitions tab for ad

note 6: Any circuits on the list that do not display period of concern times means those circuits have period

Circuit Name	Segment(s)	County	Incorporated City/Cities	Unincorporated Communities	Circuit Notification Status	Comments	Est. Restor. Time De-Energ Circuits	01/14/20 21 PoC Time	01/15/20 21 PoC Time	01/16/20 21 PoC Time	01/17/20 21 PoC Time	Residential/ Unassigned	Essential Use	Major	MBL	Critical Care	Customer Totals
NGUS		VENTURA		Sespe Village ; Keith Oak Village	Initial			0900-0000	0000-1200			1512	1	55	23	4	1595
NTON		VENTURA	MOORPARK		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
NTON		VENTURA		North of Moorpark	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
RLENE		LOS ANGELES	SANTA CLARITA		Updated Period of Concern			0900-0000	0000-1200			1594	0	55	69	5	1723
TENTO		ORANGE		Portola Hills ; Modjeska ; Silverado	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
TENTO		ORANGE	LAKE FOREST		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
VANTI		SAN BERNARDINO		Verdemont ; University Heights	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
		SAN BERNARDINO	SAN BERNARDINO		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
		VENTURA		Bardsdale ; South of Cavin	All Clear							581	0	43	8	3	635
		VENTURA	FILLMORE		All Clear							581	0	43	8	3	635

CUSTOMER NOTIFICATIONS

JUDE SCHNEIDER

Senior Advisor
PSPS Response
PSPS Readiness



CUSTOMER NOTIFICATIONS

CLARITY

- Rewrote customer notifications, tested with PSPS customers and rewrote again
- More direct, simpler language
- Added end of POC and typical restoration window to better inform customers

CADENCE

- Changed process to miss fewer imminent and shutoff notifications
- Adding “next day” notification

ACCURACY

- Short term automation to reduce manual efforts
- Long term—completely automated process in which databases and weather information will communicate and Artificial Intelligence will continually calibrate results
- Commitment to continuous program improvement

PSPS Decision Making Material

sce.com/pspsdecisionmaking

Public Safety Power Shutoffs:
How Southern California Edison makes decisions

Southern California Edison considers the need for Public Safety Power Shutoffs when weather and fire experts forecast dangerous conditions, including strong winds, very dry vegetation and low humidity. Combined, these create the risk that flying debris or other damage to wires and equipment could cause a fire with the potential to spread rapidly and threaten communities.

[CLICK FOR FACT SHEET](#)

The infographic features a dark grey header with the title in white. Below the header is a blue background. On the left, there is an illustration of a residential street with houses, trees, and power lines under a bright sun. On the right, there is a text box with a yellow button labeled 'CLICK FOR FACT SHEET'.

Energy for What's Ahead®

ROUND TABLE and Q&A

CLOSING REMARKS

MIKE BUSHEY

Director
Government, Institutions, Agriculture and Water
Business Customer Division



POLL

1. What sort of topics would you like to discuss in future Working Group sessions:

- Community Safety
- PSPS Notifications
- PSPS Portal
- Community Outreach
- Critical Infrastructure
- Grid Hardening
- Please see survey (to add more options)

2. Was today's Working Group meeting useful to you?

- Yes
- No
- Please see survey (for more feedback)

MS Team Poll Feature

- A pop-up box will come with one question at a time (there are a total of two)
- Click on your response, multiple options are available
- Results of the poll will be updated dynamically in the chat box for this meeting
- A survey will be sent out this morning, for you to add more detail or provide more feedback

ENCOURAGE YOUR COMMUNITIES

STAY INFORMED



- Visit [sce.com/wildfire](https://www.sce.com/wildfire)
- Sign up for the Energized by Edison Wildfire Mitigation Newsletter at energized.edison.com

SIGN UP



- PSPS alerts
- SCE's Medical Baseline program
- SCE programs and rebates

BE PREPARED



- Have a safety preparedness plan and basic supplies ready
- Power outage tips

REMINDERS

Q3 2021 Meetings

- **Central Region:** Kern, Tulare, Fresno, Madera, and Tuolumne Counties – **August 31** from **9-10:30 a.m.**
- **LA Metro & Coastal:** Los Angeles, Orange, Ventura, and Santa Barbara Counties – **September 1** from **9-10:30 a.m.**
- **Inland Empire & Northern:** San Bernardino, Riverside, Mono, and Inyo Counties – **September 2** from **9-10:30 a.m.**
- **CPUC report** summarizing today's meeting will be provided
- Please complete our **survey**
- If you have any questions, email us at **SCEPSPOutreach@sce.com**
- **Thank you** for your participation!



Thank you!



Please mute your microphone. We will get started shortly.



PUBLIC SAFETY POWER SHUTOFF (PSPS) ADVISORY BOARD

Q1 Meeting – June 08, 2021

Energy for What's Ahead[®]



SAFETY MOMENT

Helpful Links:

Electrical Safety Foundation International (ESFI)

<https://www.esfi.org/>

Home Electrical Safety

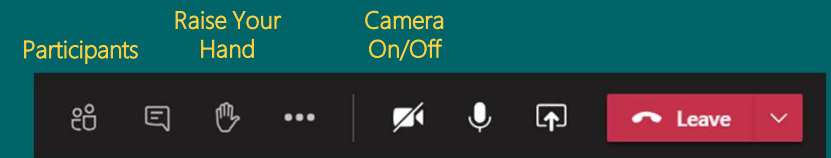
Always Look Up Always

Before starting **any** project, **be alert of where the power lines are located**, and know how high they are hanging. Whether you're working on the roof, trimming trees, or painting your siding, it's your job to be aware and to **alert others about nearby power lines**.



HOUSEKEEPING

- Meeting will be recorded
- Use the 'Raise your hand' feature located on your screen if you have a question
- You'll be announced in the chat when it's your time to ask your question
- Unmute yourself to speak then mute yourself when you are finished with your question
- If you have any issues with using Teams, email us at PSPSIMTADMIN@sce.com



Chat

Mute/
Unmute



PSPS ADVISORY BOARD ATTENDEES

- Public Safety Partners
 - Fire/Law/Emergency Management
- Communications and Water Service Providers
- Tribal Governments
- Local Governments
- Representatives from Access and Functional Needs Customers
- Business Groups
- Non-Profits
- Academic Organizations



WELCOME

RANBIR SEKHON

Director
PSPS Readiness



AGENDA – June 08, 2021

TOPIC	PRESENTER	DURATION
Safety and Housekeeping	Christine Angulo	5 minutes
Welcome and PSPS Action Plan Updates	Ranbir Sekhon	20 minutes
Updates		
• Public Safety Portal	Frank Starke	30 minutes
• PSPS Notifications	Bob Stiens	20 minutes
Round Table	All	10 minutes
Closing Remarks	Ranbir Sekhon	5 minutes



2021 PSPS ACTION PLAN UPDATE

Energy for What's Ahead[®]



PSPS Action Plan Update

Reduce the Use of PSPS

We have been installing **covered conductor, switching devices and weather stations** to accelerate **grid hardening** and improve the **resilience** of our power lines in areas that are most frequently impacted by PSPS. This year we're targeting rollout of 700 miles of covered conductor, plus equipment upgrades that should **cut expected PSPS durations** by half and **reduce the scope and frequency** of PSPS.*

Execute PSPS Effectively

We started making big changes to our PSPS **notifications** – like improving message clarity, eliminating redundancies and automating processes to be more efficient and to **enhance the customer experience**. We're developing and posting media and education materials on our website** to **improve transparency** and understanding for Public Safety Partners and our valued customers.

Mitigate PSPS Impacts

We continue expanding important customer programs like our **Critical Care Backup Battery** program to help customers through PSPS events. We are also making it easier for customers to enroll in our **Medical Baseline** program and we are currently developing a dedicated website to provide resources for our customers with **Access and Functional Needs**.

Keep Partners and Customers Informed

We have developed a new **Public Safety Partners Portal** and are making enhancements to our **SCE.com** page that will provide important information to our Public Safety Partners and our customers before and during PSPS events. We have hosted over 50 PSPS **virtual community meetings**, Power Talks, and discussions and continue to plan events to help our communities prepare for PSPS.

Improve Post Event Reporting

We are partnering with our fellow utilities and the CPUC to **align on a common reporting format** to **improve the clarity and consistency** of PSPS post-event reporting. The CPUC decisions on PSPS will help inform the structure and content of those reports.

* Note: Assuming the same weather conditions as 2020

** See: <https://energized.edison.com/psps-decision-making>

PSPS Action Plan By the Numbers



72 Circuits Targeted for Expedited Grid Hardening



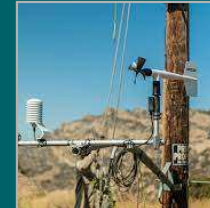
↓ 50% in anticipated duration of PSPS events in 2021+



~700 miles of Covered Conductor to be deployed



7 New Switching Devices, **9** New Weather Stations



4 New Community Resiliency Zones



17,500 Customers Removed from Scope of PSPS via Exception Process



50+ Virtual Meetings with our Communities and Partners in 2021



2,635 Critical Care Backup Batteries Deployed in 2021 (through 5/31)



↓ 30% in scope and **25%** in frequency of PSPS events in 2021+

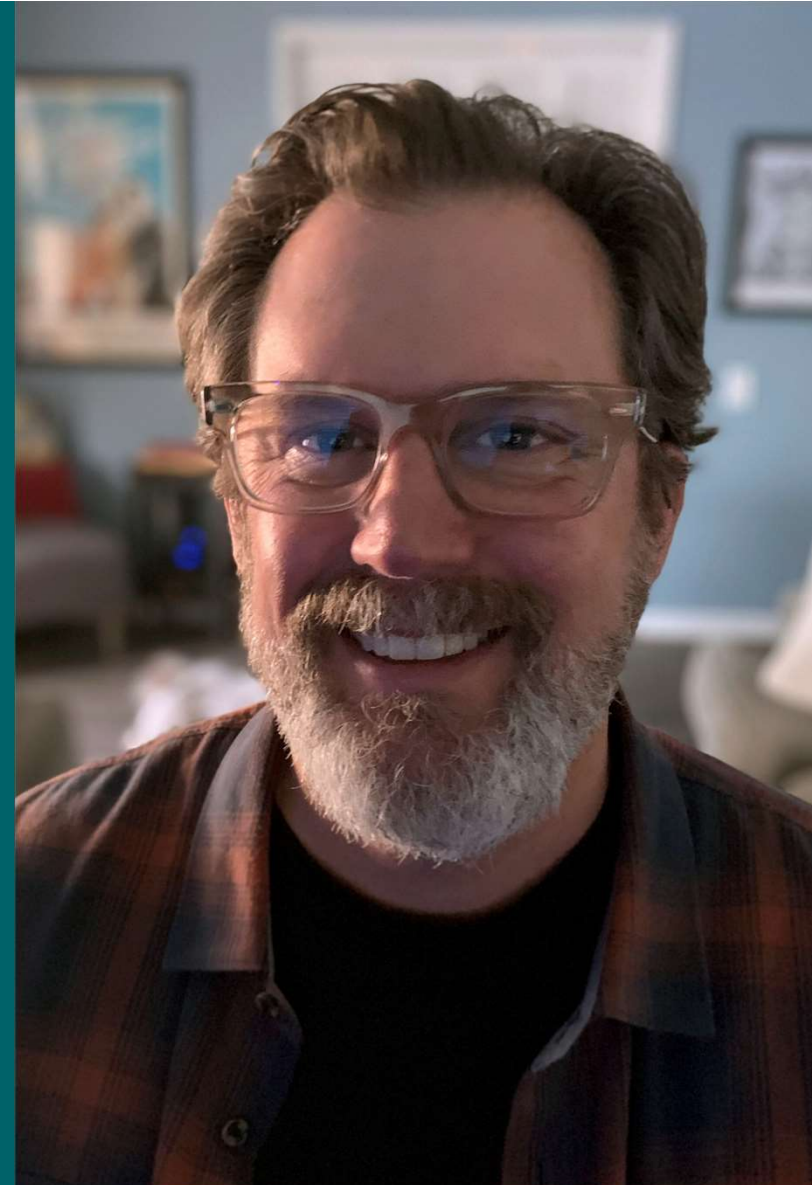


96 Circuit Segment Exceptions Approved

PUBLIC SAFETY PORTAL

FRANK STARKE

Senior Advisor
Marketing & Digital
Customer Service



PSPS PUBLIC SAFETY PARTNER PORTAL

- The PSPS Public Safety Partner Portal is a new website containing information that is not available to the public on SCE.com
 - The Public Safety Partner Portal will be available to CPUC defined **Public Safety Partners**
 - In order to gain access to the Portal, Partners will need to **register and accept a user agreement**
 - The Portal will not replace the existing PSPS REST service
- The Portal will be a single destination to find PSPS information including:
 - **Planning (Pre-event)**
 - **Active PSPS events**
 - **Archive of past PSPS event**
- Information a user will see will be specific to the Partner based on their login credentials

PUBLIC SAFETY PARTNERS*

- First/emergency responders at the local, state and federal level
- Water, wastewater and communication service providers
- Community choice aggregators (CCAs)
- Affected publicly-owned utilities (POUs)/electrical cooperatives
- CPUC
- CalOES
- CAL FIRE

* CPUC Decision 19-05-042

SITUATIONAL AWARENESS NOTIFICATIONS

BOB STIENS

Senior Advisor
Government Relations
Local Public Affairs



Notifications: Local and Tribal Governments and other Stakeholders

- **Operational Changes**
 - Situational Awareness Notifications now sent **once a day** instead of twice a day
 - Will improve accuracy by allowing additional data in each forecast
 - Additional notifications will be sent if conditions change (starting the day before the event starts)
 - In-event notifications will continue to be sent real time
 - Information posted on SCE.com at **72 hours** instead of 48 hours
 - De-Energization notices sent on approval rather than waiting for confirmation
- **Notifications for Local and Tribal Governments and other Stakeholders**
 - New automation of process will significantly increase the speed notifications are sent
 - **Renamed** LNO Notification to **Situational Awareness Notification Spreadsheet (SANS)**
 - Added color coding to help identify changes
 - Segmentation will be added for de-energization
 - Working towards segmentation on forecasts
 - Will also be posted to PSP Portal
- **New CPUC Requirements**
 - Notify adjacent jurisdictions of PSPS events

Notifications: Local and Tribal Governments and other Stakeholders

Unique LNO notification templates:

1. **Initial** notification (72 hours out--if possible) is sent at the start of the incident for each impacted county and includes the activation's first LNO spreadsheet.
2. **Update** notifications are typically sent daily with an attached LNO spreadsheet after each weather report/period of concern (POC) generated by Operations.
3. **Expected Shutoff** (previously imminent de-energization) sent, as needed, during PSPS events. No attachments.
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Southern California Edison LNO Circuit List with Periods of Concern

As of 01/14/2021 - Report #2

Note 1: Restoration activities begin as soon as conditions in

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Note 5: Please refer to Definitions tab for ad

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Circuit Name	Segment(s)	County	Incorporated City/Cities	Unincorporated Communities	Circuit Notification Status	Comments	Est. Restor. Time De-Energ Circuits	01/14/20 21 PoC Time	01/15/20 21 PoC Time	01/16/20 21 PoC Time	01/17/20 21 PoC Time	Residential/ Unassigned	Essential Use	Major	MBL	Critical Care	Customer Totals
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ANTON		VENTURA		North of Moorpark	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	236	0	51	5	2	294
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ATENTO		ORANGE	LAKE FOREST		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	2552	3	101	69	10	2735
AVANTI		SAN BERNARDINO		Verdemont ; University Heights	Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
AVANTI		SAN BERNARDINO	SAN BERNARDINO		Updated Period of Concern			0900-0000	0000-1200	0900-0000	0000-0300	1420	1	103	55	12	1591
BARRINGTON		VENTURA		Bardsdale ; South of Cavin	All Clear							581	0	43	8	3	635
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CUSTOMER NOTIFICATIONS

CLARITY

- Rewrote customer notifications, tested with PSPS customers and rewrote again
- More direct, simpler language
- Added end of POC and typical restoration window to better inform customers

CADENCE

- Changed process to miss fewer imminent and shutoff notifications
- Using data from 2 weather reports to provide pre-scope notifications
- Adding "next day" notification

ACCURACY

- Short term automation to reduce manual efforts
- Long term—completely automated process in which databases and weather information will communicate and Artificial Intelligence will continually calibrate results
- Commitment to continuous program improvement

Transparency Materials

- <https://energized.edison.com/pmps-decision-making>
- Vanity URL: [sce.com/pmpsdecisionmaking](https://www.sce.com/pmpsdecisionmaking)
- <https://www.sce.com/pmpsenhancements>



ROUNDTABLE

Energy for What's Ahead[®]



Questions ?



REMINDERS

2021 Meetings

- September 2021 Tues. Sept. 14th (9-10:30am)
- December 2021 Wed. Dec. 8th (10:30-12:00pm)

- **Summary report** will be provided
- Please complete our **survey**
- If you have any questions, email us at **PSPSMTADMIN@sce.com**
- **Thank you** for your participation!



ENCOURAGE YOUR COMMUNITIES

STAY INFORMED



- Visit [sce.com/wildfire](https://www.sce.com/wildfire)
- Sign up for the Energized by Edison Wildfire Mitigation Newsletter at energized.edison.com

SIGN UP



- PSPS alerts
- SCE's Medical Baseline program
- SCE programs and rebates

BE PREPARED



- Have a safety preparedness plan and basic supplies ready
- Power outage tips

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
- 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

Rebates

- SCE Marketplace (rebates and programs) – marketplace.sce.com
- Self Generation Incentive Program (SGIP) – sce.com/sgip or selfgenca.com

Social Media

- Follow [@SCE](https://twitter.com/SCE) on Twitter and Facebook

Energy for What's Ahead®

SURVEY



APPENDIX

Energy for What's Ahead[®]



PSPS Action Plan Update

I. Reducing the Use of PSPS

- Identified 72 circuits for expedited grid hardening
- Installing ~700 miles of covered conductor; 7 new switches, 9 new weather stations
- Removing ~17,500 customers from PSPS scope via circuit exception process
- Increasing wind speed thresholds where covered conductor is installed
- Reducing overall scope, frequency and duration* of PSPS events for 2021 wildfire season

Scope	Frequency	Duration (customer minutes of interruption)
↓ 30%+	↓ 25%+	↓ 50%+

II. Executing PSPS Events Effectively

- Acquiring new weather model data from European center for Medium Range Weather Forecasts to eliminate dependency on single source of weather data
- Developing machine learning models for 61 weather station locations to improve wind speed forecasts
- Enhancing SCE website to provide more current information on PSPS events
- Shared technical document explaining quantitative and qualitative factors used in PSPS decision-making on SCE's website
- Revised customer notifications content and language to improve clarity and reduce redundancy, example below:

Prior Message

Safety message from Southern California Edison. Weather conditions have improved and all power has been restored in the ^city_variable^ area. If your power is still off, please call 1-800-611-1911 or visit sce.com slash outage. Thank you for your patience.

Revised Message

Important SCE safe restoration alert. We were able to restore power in your area and end this Public Safety Power Shutoff event due to improved weather conditions. If your power is still off, please call 1-800-611-1911 or visit sce dot com slash outage. We understand that safety outages are inconvenient and thank you for your patience.

* Assuming similar weather conditions as 2020

PSPS Action Plan Update

III. Mitigating Impacts of PSPS

- Deployed 2,635 batteries through Critical Care Battery Backup (CCBB) program (1/1/21 – 5/31/21)
- Developed new digital banners and print ads for Medical Baseline program and CCBB program

IV. Keeping Partners and Customers Informed

- Completing an AFN Research study to better understand the needs of our AFN population
- 8 wildfire safety community meetings; 4 Power Talks sessions; 29 meetings with city and county jurisdictions; and 12 County Emergency Management agency meetings completed to-date in 2021
- Launching dedicated web page for AFN customers
- Increasing automation and reducing manual handoffs to gain efficiencies, accuracy and timeliness in customer notifications
- Launching new Public Safety Partner Portal

V. Enhancing and Improving Post-Event Reporting

- Partnering with PG&E/SDG&E on common post-event reporting template
- Will finalize post-event reporting template after OII and OIR Phase 3 Decisions are complete

Appendix C - Working Group Meeting Attendees (Q2 2021 Meeting)

Region I	Region V	Region VI
<ul style="list-style-type: none"> • AFN: 211 - Orange County; 211 - Interface Children & Family Services; Service Center for Independent Life LA; Independent Living Resource Center Santa Barbara • CCA: Cal Choice; Clean Power Alliance of Southern California • Communications Provider: AT&T; Cox; Frontier Communications; Crown Castle; Verizon • Healthcare: Community Memorial Hospital, Kaiser Permanente; Santa Barbara Cottage Hospital • Local Government: City of Santa Barbara; City of Camarillo; City of Goleta; City of Irvine; City of La Canada Flintridge; City of Malibu; City of Moorpark; City of Santa Clarita; City of Simi Valley; City of Thousand Oaks • Public Safety Partner: Central Ventura County Fire Safe Council; City of Newport Beach Fire Department; Montecito Fire Protection District; Orange County Fire Authority; Orange County Sheriff's Department; Topanga Coalition Emergency Preparedness; City of Santa Barbara Fire/OES; City of Fillmore Fire Department; Laguna Beach Fire Department; City of Irvine Police Department • Publicly Owned Utility: City of Anaheim; Los Angeles Public Works • Transportation: Southern California Regional Rail Authority • Water Entity: California Water Services Co., El Capitan Mutual Water Company; Metropolitan Water District; Moulton Nigel Water District • Other: Amgen; California Public Utilities Commission 	<ul style="list-style-type: none"> • AFN: Community Action Partnership of Kern (211); Independent Living Center of Kern County • Communications Provider: AT&T, Charter Communications; Comcast • Healthcare: California Association of Health Facilities • Local Government: City of Tehachapi • Public Safety Partner: Kern County Emergency Services Management; Madera County Emergency Services Management • Tribal Government: Tule River Tribal Council • Water Entity: Bear Valley Community Services District; Golden Hills Community Services District • Other: California Public Utilities Commission 	<ul style="list-style-type: none"> • AFN: Community Access Center; Interface Children and Family Services (211 for Mono/Inyo); Rolling Start, Inc. • CCA: Desert Community Energy; Western Community Energy • Communications Provider: AT&T; T-Mobile • Healthcare: California Hospice and Palliative Care Association • Local Government: City of Mammoth Lakes; City of Corona • Public Safety Partner: Idyllwild Fire Protection District; Inyo County Emergency Services Management; Mtn Rim Fire Safe Council; Pine Cove Property Owners Association; San Bernardino County Fire Office of Emergency Services; San Bernardino County Sheriff's Department; San Bernardino County VOAD/COAD • Publicly Owned Utility: Anza Electric Cooperative; Bear Valley Electric Service, Inc.; Western Community Energy (WRCOG); Pechanga Western Electric; Riverside Public Utility • Tribal Government: 29 Palms Band of Mission Indians; Agua Caliente Band of Cahuilla Indians; Bishop Paiute Tribe; Bridgeport Indian Colony; Morongo Band of Mission Indians; San Manuel Band of Mission Indians; Soboba Band of Luiseno Indians; Tule River Tribe; Utu Gwaitu Tribe of the Benton Reservation • Water Entity: Desert Hot Springs/Mission Springs Municipal Water District; Eastern Municipal Water District; Western Municipal Water District; Mammoth Community Water District; Rancho CA Water District • Other: Desert Hills Premium Outlet/CABAZON; California Public Utilities Commission

Blue - Invited, but unable to participate

Black - Attended

Appendix D - Advisory Board Meeting Attendees (Q2 2021 Meeting)

Advisory Board
<ul style="list-style-type: none"> • Academic Organization: Desert Research Institute, San Jose State University • AFN: State Council on Developmental Disabilities • Business Group: Association of California Water Agencies, California Large Energy Consumers Association (CLECA) (2 invited, 1 attended), California Manufacturers & Technology Association (CMTA) (2 invited), Southern California Public Power Authority • CCA: California Community Choice Association, Clean Power Alliance of Southern California • Communication Provider: AT&T, Cox Communications, T-Mobile, Crown Castle, Frontier Communications (2 invited), Verizon • Healthcare/Hospital: Northern Inyo Health (2 invited), Hospital Association of Southern California • Local Government: California State Association of Counties, League of California Cities, Southern California Association of Governments • Non-Profits: 211, Red Cross Central, Salvation Army, CUEA, United Way • Public Safety Partner: Fresno County Emergency Manager, Fresno Fire Department, Fresno Law Enforcement, Inyo County Emergency Manager, Inyo Fire Department, Inyo Law Enforcement, Kern County Emergency Manager, Kern Fire Department, Kern Law Enforcement, Los Angeles County Emergency Manager, Los Angeles Fire Department, Los Angeles Law Enforcement, Mono County Emergency Manager, Mono Fire Department, Mono Law Enforcement, Orange County Emergency Manager, Riverside County Emergency Manager, San Bernardino County Emergency Manager, San Bernardino Fire Department, San Bernardino Law Enforcement, Santa Barbara County Emergency Manager, Tulare County Emergency Manager, Tulare Fire Department, Tulare Law Enforcement, Tuolumne County Emergency Manager, Tuolumne Fire Department, Tuolumne Law Enforcement, Ventura County Emergency Manager, Ventura Fire Department, Ventura Law Enforcement • Tribal Government: Soboba Band of Luiseno Indians • Water Entity: Las Virgenes Municipal Water District, Santa Clarita Valley Water Agency, Eastern Municipal Water District, Inland Empire Utility Agency, Irvine Ranch Water District

Blue - Invited, but unable to participate

Black - Attended