

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE
STATE OF CALIFORNIA**

Order Instituting Rulemaking to Examine
Electric Utility De-Energization of Power
Lines in Dangerous Conditions.

Rulemaking 18-12-005

**SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) PUBLIC SAFETY
POWER SHUTOFF POST-EVENT REPORT FOR NOVEMBER 21, 2021
DE-ENERGIZATION EVENT**

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Dated: **December 8, 2021**

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In compliance with California Public Utilities Commission Public Safety Power Shutoff (PSPS) Order Instituting Rulemaking Phase 1 Decision (D.) 19-05-042, Phase 2 D.20-05-051, Phase 3 D.21-06-034 and PSPS Order Instituting Investigation D.21-06-014, Southern California Edison Company (SCE) hereby submits its PSPS Post-Event Report (Attachment A hereto). Pursuant to the October 14, 2021 email ruling of ALJ Valerie Kao, SCE hereby provides the following link to access and download the attachments and appendices to its PSPS Post-Event Report:

https://library.sce.com/?10000_group.propertyvalues.property=jcr%3Acontent%2Fmetadata%2Fcq%3Atags&10000_group.propertyvalues.operation>equals&10000_group.propertyvalues.0_values=sce-document-library%3APSPS-Reports-to-the-CPUC%2FEvent-Reporting%2F2021

Appendix B will be filed via archival grade DVDs with the Commission's Docket Office.

Respectfully submitted,

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December 8, 2021

Attachment A

SCE's PSPS Post-Event Report



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State Regulatory Relations
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December 08, 2021

Leslie Palmer, Director
Safety Enforcement Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

SUBJECT: SCE PSPS Post Event Report – November 18 to November 22, 2021

Dear Director Palmer:

As required by Resolution ESRB-8 and in accordance with Ordering Paragraph 1 of California Public Utilities Commission (CPUC) Decision (D.) 19-05-042, Southern California Edison Company (SCE) respectfully submits a compliance report for the proactive de-energization event that was initiated on November 18, 2021, and fully restored on November 22, 2021.

This report has been verified by an SCE officer in accordance with Rule 1.11 of the Commission's Rules of Practice and Procedure.

If you have any questions, please do not hesitate to call.

Sincerely,

DocuSigned by:

A handwritten signature in cursive script that reads "Diana Gallegos".

8FC4A3FA269949A...

Diana S. Gallegos

Director, State Regulatory Relations

cc: ESRB_CompplianceFilings@cpuc.ca.gov

**Southern California Edison
Public Safety Power Shutoff (PSPS) Post-Event Report
November 21, 2021**

**Filed with: The California Public Utilities Commission
Submitted to: Director of the Safety and Enforcement Division
Dated: December 8, 2021**

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Introduction¹

SCE submits this post-event report to address the de-energization event that started on November 21, 2021 at 12 am, and ended on November 22, 2021 at 1:45 pm, in Los Angeles, Ventura, San Bernardino, and Riverside Counties and to demonstrate its compliance with the California Public Utilities Commission's (CPUC or Commission) Resolution ESRB-8, PSPS Order Instituting Rulemaking (OIR) Phase 1 (Decision (D.) 19-05-042), Phase 2 (D.20-05-051), Phase 3 (D.21-06-034), and PSPS Order Instituting Investigation (OII) (D.21-06-014). SCE de-energized 5,235 customers during this event. This report explains SCE's decision to call, sustain, and conclude the de-energization event, and provides detailed information to facilitate the Commission's evaluation of SCE's compliance with applicable PSPS guidelines.

SCE appreciates that proactive de-energizations pose significant challenges and hardships for our customers and the Public Safety Partners that provide vital services to the affected communities. SCE's decision to activate its PSPS protocol is based on careful consideration and weighing of multiple factors, including forecasted weather, fuel conditions, infrastructure vulnerabilities, and potential impacts of PSPS on Public Safety Partners and the communities we serve.

SCE remains committed to continuously improving its PSPS processes and welcomes input from its customers, Public Safety Partners, community representatives, and local governments on ways we can work together to minimize the impact of PSPS events on all stakeholders.

¹ The Safety and Enforcement Division's (SED) final post-event reporting template was issued by e-mail ruling on October 18, 2021 and included new reporting requirements. SCE has endeavored to update its post-event reports to adhere to SED's template. However, because some of the newly required information may not be available within 10 business days of the PSPS event, this report may differ in some ways from the final template. SCE has included explanatory notes for any such instances.

Section 1. Executive Summary

1. Brief description of the PSPS event starting from the time when the utility's Emergency Operation Center is activated until service to all customers have been restored.

SCE activated its virtual Emergency Operations Center on November 18, 2021, at 12:30 pm. SCE meteorologists had forecasted the potential for fire weather conditions in localized portions of Los Angeles and Ventura counties. Locally gusty Santa Ana winds were expected to start in the early morning November 21st and continue through early morning November 22nd. On November 19th, SCE meteorologists identified additional areas of concern for fire weather in Ventura, Los Angeles, Riverside, San Bernardino, Kern, and Orange counties. Peak winds were forecasted during the period of concern for these areas from 12 am to 9 pm on November 21st. Given the potential for fire weather, SCE's meteorology and fire science experts maintained close communication with the Geographic Area Coordination Center (GACC) to evaluate the developing weather conditions. During this communication, the GACC indicated agreement with SCE's forecast. SCE activated its PSPS Dedicated Incident Management Team (IMT) on November 18th at approximately 12:30 pm to manage this event. There were initially 125,996 customers in scope for potential de-energization during the period of concern for this event. Leveraging real-time weather station data, switching playbooks, live field observers, and sectionalizing devices, SCE reduced the number of impacted customers in scope and ultimately only proactively de-energized 5,235 customers during this event in portions of Ventura, San Bernardino, Riverside, and Los Angeles counties. Service to all customers was restored on November 22nd by 1:45 pm.

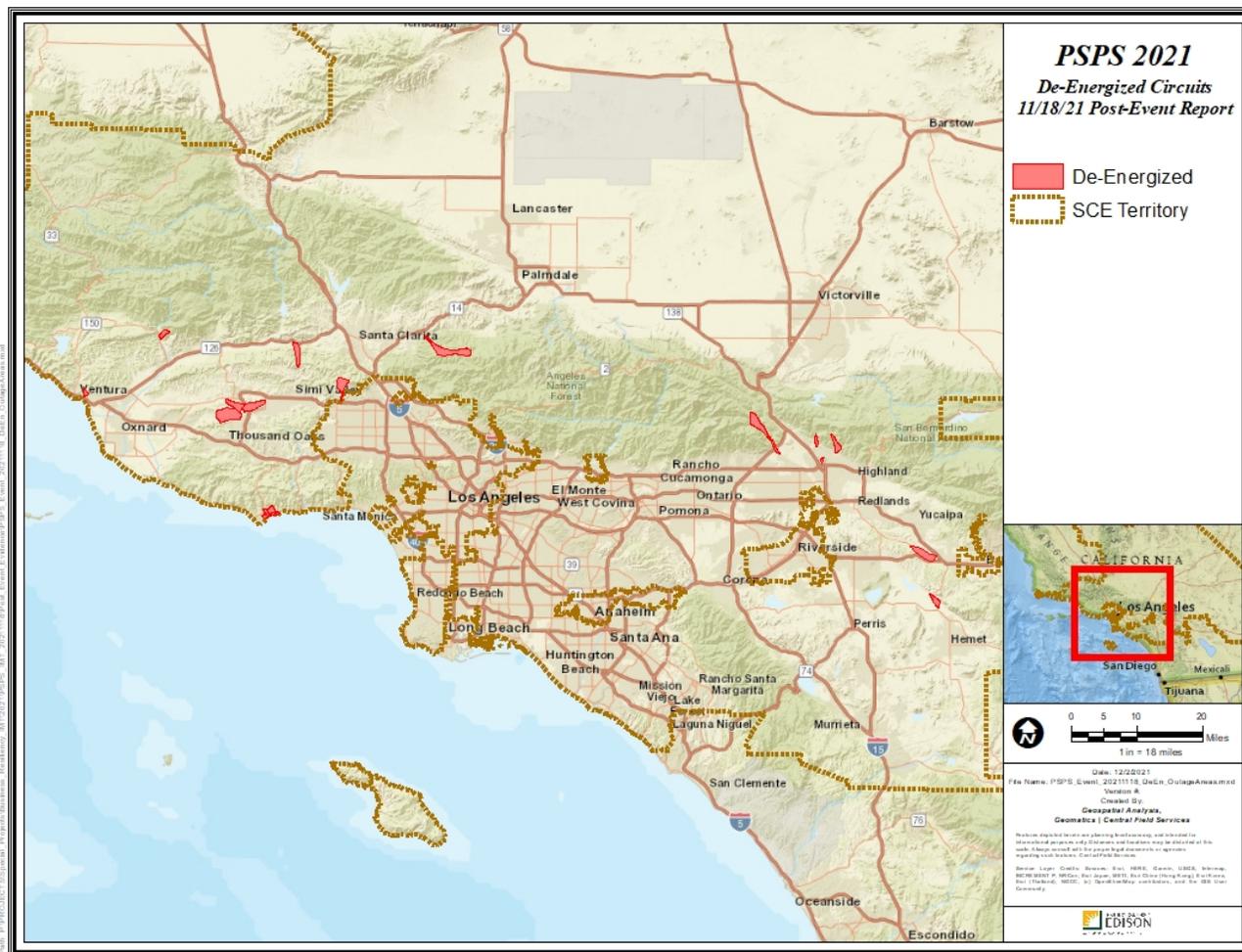
2. A table including the maximum number of customers notified² and actually de-energized; number of counties de-energized; number of tribes de-energized; number of Medical Baseline customers de-energized; number of transmission and distribution circuits de-energized; damage/hazard count; number of critical facilities and infrastructure de-energized.

²SCE makes every effort to notify customers, public safety partners, and other impacted entities within two hours of a decision to cancel an anticipated de-energization event or to remove from scope. When the period of concern is over for a circuit or a circuit segment originally in scope, SCE sends an "All-Clear – Event Avoided" cancellation notification to impacted entities and customers who had been notified of a potential de-energization, but not de-energized. Because weather conditions can change unexpectedly, SCE is not always able to make a final decision that notified customers will not experience a de-energization until an "All Clear" declaration had been issued for all circuits in scope for the PSPS event. If conditions during a PSPS event do not support a decision to cancel or to remove from scope any of the notified customers before an "All Clear" declaration for all circuits in scope, the corresponding entries in Table 1: PSPS Event Summary, Table 08: Notifications Timeline, and Table 10: Breakdown of Notification Failures will state "Not Applicable" or "N/A."

Table 1: PSPS Event Summary³

Total Customers			De-energized				Number of Circuits			Damage Count
PSPS Notified	De-energized	Cancelled	MBL Customers	Number of Counties	Number of Tribes	Critical Facilities and Infrastructure	Transmission De-energized	Distribution Circuits in Scope	Distribution De-energized	
49,005	5,235	35,306	160	5	2	77	0	23	13	4

3. A PDF map depicting the de-energized area(s)



³ "Cancelled" refers to customers who received "PSPS All Clear-Event Avoided" notice within two hours of being removed from scope. For this event, there were 4,847 customers on the DeMille, Gilman, Huckleberry, Lauda, MckEvet, Morello, Northpark, Pheasant, Pick, Shovel, and Taiwan circuits did not receive a cancellation notice because by the time the period of concern ended for this event, these same customers and circuits were in scope for the 11/24 event. To avoid confusion, SCE sent an update notice to these customers to let them know they remained in scope for de-energization, rather than a cancellation notice. Additionally, there were also 3,617 customers on the Enchanted, Ginger and Twin Lakes circuits that did not receive a "PSPS All Clear-Event Avoided" notification due to miscommunication between PSPS operations and notifications teams. See also Section 5 for additional details.

Section 2. Decision-Making Process

1. A table showing factors considered in the decision to shut off power for each circuit de-energized, including sustained and gust wind speeds, temperature, humidity, and moisture in the vicinity of the de-energized circuits.⁴

Table 2: Factors Considered in De-Energization⁵

Factors Considered in De-Energization										
Circuit De-energized	Segment	Sustained Wind Speed			Gust Wind Speed			Fire Potential Index (FPI)		Firecast Output Ratio
		Threshold	De-energization Threshold	Actual	Threshold	De-energization Threshold	Actual	Threshold	Actual	
BADGER	2	31	39	34.5	46	50	50.6	13	13.18	65.167969
CALSTATE	2	31	40	39.4	46	58	57.9	12	13.12	439.42613
CASTRO	Partial 4	29	27	33.7	46	41	47.4	12	12.82	85.662148
CUTHBERT	1, 2, 3, 4, 5, 6, 7, 8, 9	31	29	31.7	46	44	45.4	12	12.48	81.217491
ENERGY	7, 8, 9	31	28	43.4	46	41	58.4	12	12.08	321.23087
GUITAR	6	31	30	22	46	45	42.2	13	10.9	888.89542
HONEYCRISP	1, Partial 2	29	25	28.9	42	37	40.8	13	13.19	58.459526
IMPALA	3, 4, 5	31	28	33.2	46	41	47.9	13	12.82	585.00024
MORGANSTEIN	All	31	29	32.5	46	44	50.6	12	12.54	59.40292
RICARDO	2	31	40	41.2	46	58	59.6	12	13.93	59.588929
SAND CANYON	8	31	28	39.3	46	41	63.1	13	13.17	152.78151
STEEL	1	30	27	29.1	43	39	44.4	13	14.33	737.10844
SUTT	5	40	39	36.4	58	57	59.8	12	12.17	114.21501

⁴SCE calculates a Fire Potential Index (FPI) rating for each circuit in scope for de-energization. FPI inputs include wind speed, dewpoint depression (which is a measure of how dry the air is), and various fuel moisture parameters, as detailed in Section 2-2 of this report. Other variables, such as temperature and humidity, while potential contributors to fire spread, are not direct inputs into the FPI calculation. Temperature and humidity are accounted for indirectly through the inclusion of dewpoint depression in the FPI rating. Because temperature, humidity, and moisture are not distinct “factors considered” in SCE’s de-energization decisions, they are not reported separately, but are reflected in the actual FPI rating for each de-energized circuit, as shown in Table 2. FPI estimates the likelihood of a spark turning into a major wildfire. FPI uses a whole-number scale with a range from 1 to 17; categorized as normal (1-11), elevated (12-14) and extreme (15+).

⁵ For this event, the Morganstein circuit was not originally in scope for potential de-energization -- and thus not on the Monitored Circuit List (MCL) -- until shortly before it had to be de-energized due to rapidly escalating weather conditions in the vicinity of the circuit. Consequently, the Incident Commanders made the decision to de-energize this circuit based primarily on observed winds and the FPI index exceeding threshold without the benefit of the PSPS Risk Comparison Tool result for the Morganstein circuit. A subsequent calculation showed that the benefit of PSPS outweighed the risk of PSPS for this circuit, and the resulting ratio is included in Table 4: PSPS Risk vs. Benefit Comparison Tool.

2. Decision criteria and detailed thresholds leading to de-energization including the latest forecasted weather parameters versus actual weather. Also include a PSPS decision-making diagram(s)/flowchart(s) or equivalent along with narrative description.

SCE uses preset thresholds for dangerous wind conditions that create increased fire potential (including wind speeds, humidity, fuel moisture levels and other factors as the basis for PSPS decision-making, as described in SCE's technical paper).⁶ These thresholds are set for each of the circuits in SCE-designated high fire risk areas (HFRAs) and are continuously reviewed to estimate the risk of significant events against the potential for harm to customers from the loss of power.

All circuits have an activation threshold, defined by the Fire Potential Index (FPI) and the wind speed at which they are considered at risk. Activation thresholds are computed for each circuit for the season.

FPI is calculated using the following inputs:

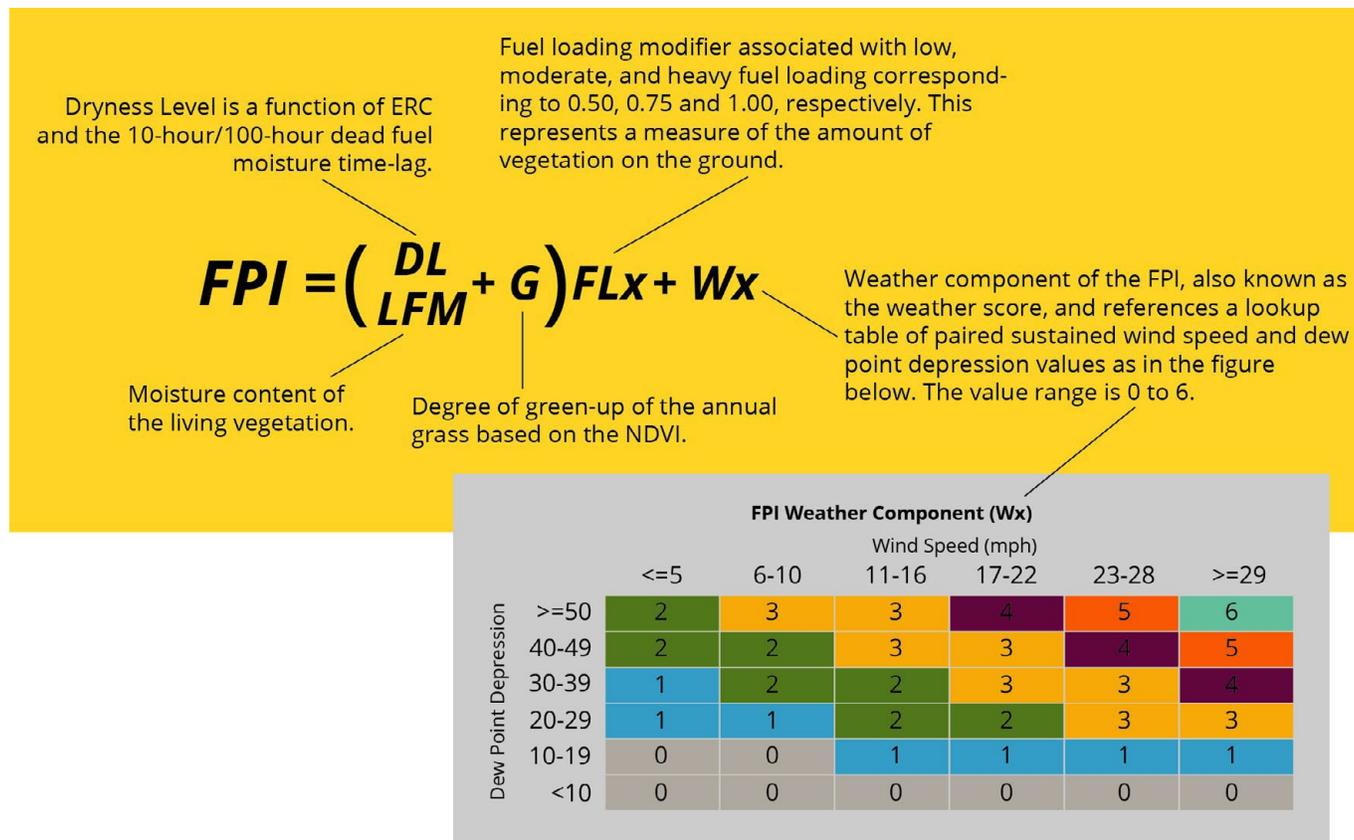
- Wind speed—Sustained wind velocity at 6 meters above ground level.
- Dew point depression—The dryness of the air as represented by the difference between air temperature and dew point temperature at 2 meters above ground level.
- Energy release component (ERC)—As defined by the U.S. Department of Agriculture: “The available energy (BTU) per unit area (square foot) within the flaming front at the head of a fire ... reflects the contribution of all live and dead fuels to potential fire intensity.”⁷
- 10-hour dead fuel moisture—A measure of the amount of moisture in ¼-inch diameter dead fuels, such as small twigs and sticks.
- 100-hour dead fuel moisture—A measure of the amount of moisture in 1- to 3-inch diameter dead fuels, i.e., dead, woody material such as small branches.
- Live fuel moisture—A measure of the amount of moisture in living vegetation.
- Normalized Difference Vegetation Index (NDVI)— As defined by the U.S. Department of the Interior: “... used to quantify vegetation greenness and is useful in understanding vegetation density and assessing changes in plant health.”⁸

⁶ SCE's detailed technical paper, Quantitative and Qualitative Factors for PSPS Decision-Making, can be found at <https://energized.edison.com/pmps-decision-making> and in Attachment C of this report.

⁷U.S. Department of Agriculture. n.d. “Energy Release Component (ERC) Fact Sheet.” Forest Service. Accessed April 14, 2021. https://www.fs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb5339121.pdf.

⁸ U.S. Department of the Interior. n.d. Landsat Normalized Difference Vegetation Index. Accessed April 14, 2021. https://www.usgs.gov/core-science-systems/nli/landsat/landsat-normalized-difference-vegetation-index?qt-science_support_page_related_con=0#qt-science_support_page_related_con.

Visual 1. Fire Potential Index Equation⁹



Previously, SCE set the activation threshold at the FPI of 12. Starting on September 1, 2021, SCE has set the FPI at 13 for most areas and most events based on a risk analysis of historical fire data.¹⁰ Exceptions in which the FPI threshold will continue to be set at 12 include:

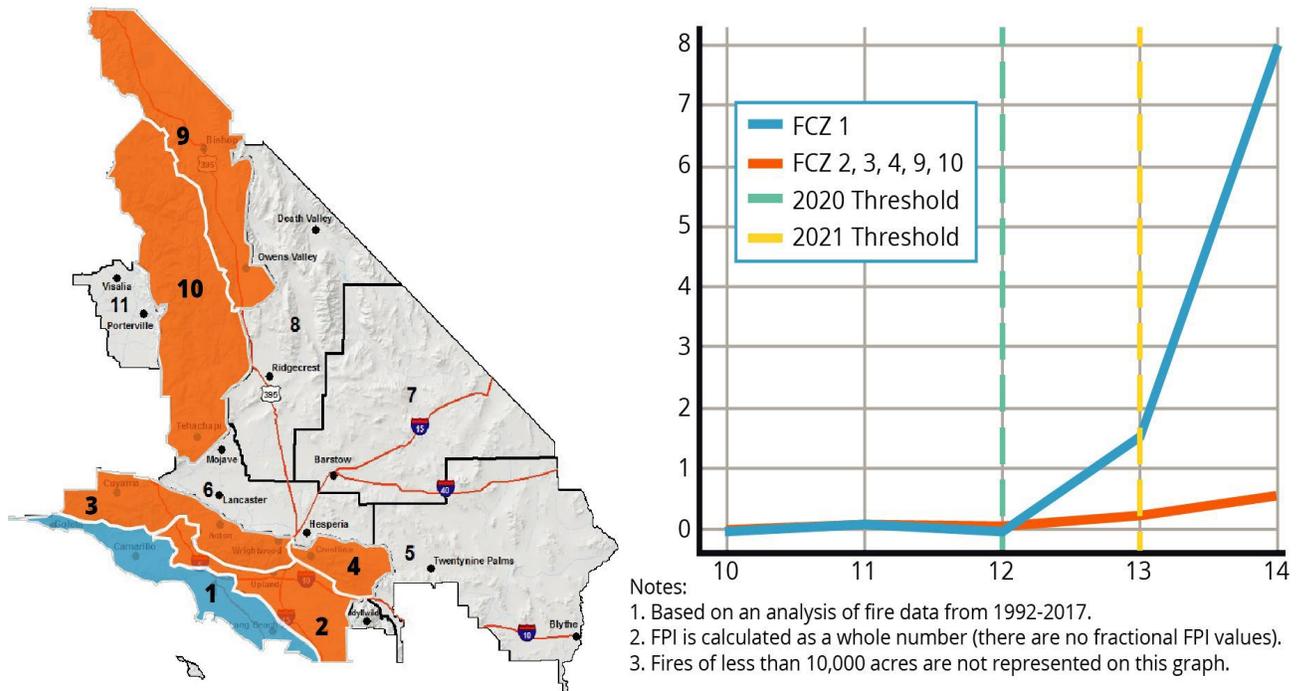
- Fire Climate Zone 1 (FCZ1) (Coastal region) — The threshold for FCZ1 remains at 12 because probability calculations indicated a significantly higher ignition risk factor at an FPI threshold of 13 for this FCZ than for the other FCZs (2, 3, 4, 9, and 10).
- GACC preparedness level of 4 or 5 — The GACC coordinates multiple federal and state agencies to track and manage regional fire resources. It provides a daily fire preparedness level on a score of 1-5. A high score signals that there could be resource issues in responding to a fire.
- Circuits located in an active Fire Science Area of Concern (AOC) — AOCs are areas within FCZs that are at high risk for fire with significant community impact. This designation is based on factors that are common to FPI as well as egress, fire history, and fire consequence. Further

⁹ Fire Potential Index adapted from San Diego Gas & Electric (https://www.sdge.com/sites/default/files/regulatory/SDGE_Fire_Prevention_Plan_2018.pdf, pages 25-27) and modified to serve SCE’s needs, including the insertion of the Live Fuel Moisture variable.

¹⁰ Short, Karen C. 2017. Spatial wildfire occurrence data for the United States, 1992-2015 [FPA_FOD_20170508]. 4th Edition. Fort Collins, CO: Forest Service Research Data Archive <https://doi.org/10.2737/RDS-2013-0009.4> Supplemented with 2016-2017 ignition data supplied directly by CalFIRE via email.

details about AOCs can be found in SCE’s Wildfire Mitigation Plan.¹¹

Visual 2. Probability of Wind-Driven Fires at 10,000 Acres at FPI 12 and 13¹²



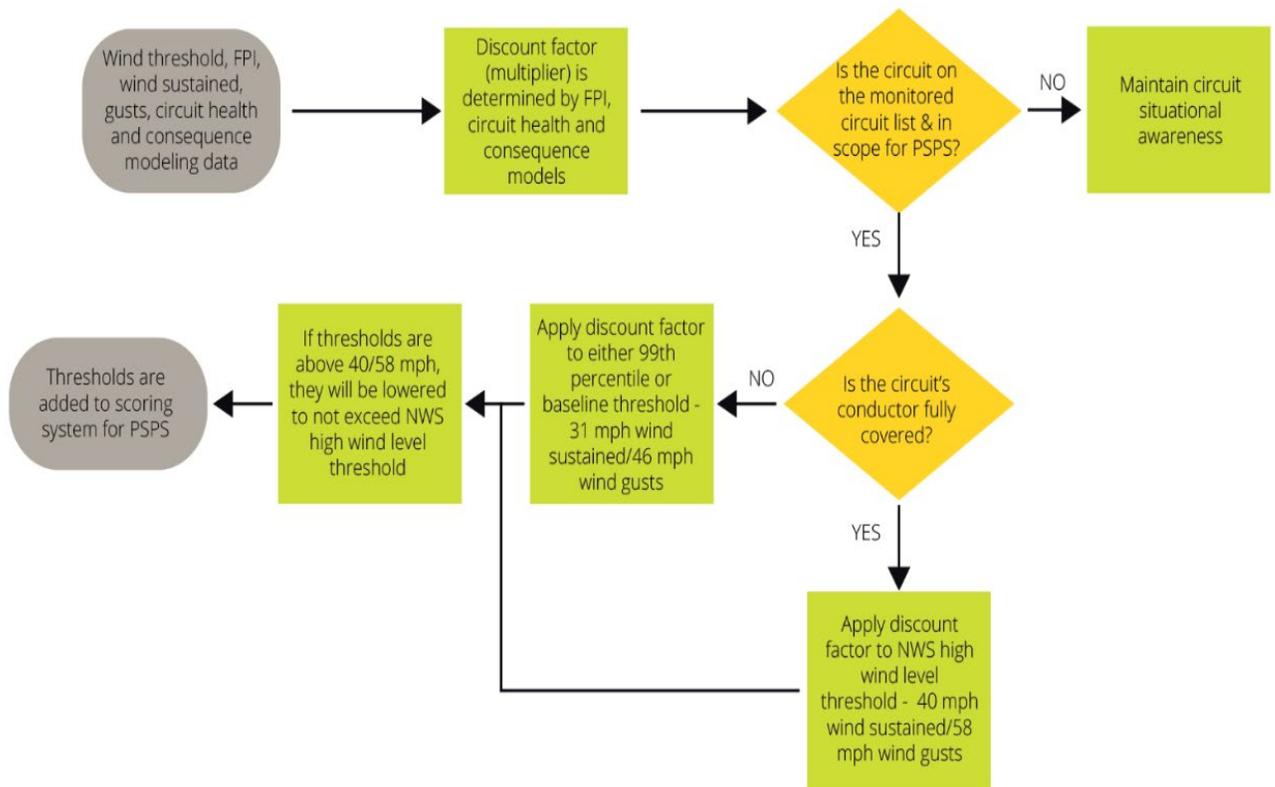
For each PSPS event, every circuit also has a de-energization threshold. De-energization thresholds are determined separately for each circuit to prioritize circuits for de-energization based on the specific risks of the event. This is particularly important for large events where many circuits must be evaluated simultaneously. There are a handful of circuits that have legacy thresholds below the NWS advisory level because they have a history of local circuit outages at lower wind speeds.

De-energization thresholds account for circuit health, including any issues identified through patrols, and are also informed by a consequence score for each specific high fire risk area. The consequence score estimates the impact of an ignition on communities. The higher the score, the greater the risk to a particular location from wildfires. SCE’s process for calculating de-energization thresholds is outlined below.

¹¹ SCE’s 2021 Wildfire Mitigation Plan Update (Revision) dated June 3, 2021:
<https://www.sce.com/sites/default/files/AEM/Wildfire%20Mitigation%20Plan/2021/SCE%202021%20WMP%20Update%20Revision%20-%20CLEAN.pdf>

¹² Based on back cast FPI calculation.

Visual 3. PSPS Decision-Making Flowchart/Diagram



If actual conditions suggest more risk, or in large-scale events when many circuits are under consideration for shutoffs, the de-energization thresholds may be lowered (discounted), meaning power on a circuit will be turned off at lower wind speeds. This step prioritizes the circuits that represent the highest risk to be evaluated for de-energization before circuits at lower risk. Conversely, de-energization thresholds are raised for segments or circuits that have had covered conductor installed. The de-energization threshold for segments with covered conductor is 40 mph sustained/58 mph gusts, which aligns with the National Weather Service high wind warning level for windspeeds at which infrastructure damage may occur.

The thresholds for the 13 circuits in scope for potential de-energization during the period of concern for this event were set as follows:

Table 3: Circuit Thresholds

Circuit	FPI Threshold Rating	Wind Speed Thresholds		De-Energization Thresholds	
		Sustained Wind	Gust Wind	Sustained Wind	Gust Wind
Badger	13	31	46	39	50
CalState	12	31	46	40	58
Castro	12	29	46	27	41
Cuthbert	12	31	46	29	44
Energy	12	31	46	28	41
Guitar	13	31	46	30	45
Honeycrisp	13	29	42	25	37

Circuit	FPI Threshold Rating	Wind Speed Thresholds		De-Energization Thresholds	
		Sustained Wind	Gust Wind	Sustained Wind	Gust Wind
Impala	13	31	46	28	41
Morganstein	12	31	46	29	44
Ricardo	12	31	46	40	58
Sand Canyon	13	31	46	28	41
Steel	13	30	43	27	39
Sutt	12	40	58	39	57

Forecasted versus actual weather parameters for this event were as follows:

- Wind: Gusts of 40 to 50 MPH with isolated gusts to 65 MPH were forecast for Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties. Observed peak winds speeds were 47 MPH sustained and 70 MPH gusts during this event.
 - Relative humidity: Relative humidity was forecast to be between 6% and 12% across Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties concurrent with the strong winds. Observed relative humidity ranged from 6% to 15% during this event. As discussed in Section 2-2, relative humidity is one of many variables that inform SCE’s FPI ratings.
- 3. A thorough and detailed description of the quantitative and qualitative factors it considered in calling, sustaining, or curtailing each de-energization event including any fire risk or PSPS risk modeling results, and a specification of the factors that led to the conclusion of the de-energization event.**

SCE’s PSPS decisions are based on quantitative analyses while accounting for qualitative factors such as societal and emergency management impacts. SCE makes PSPS decisions predominantly at the distribution grid level. SCE utilizes pro-active de-energization as a measure of last resort when all other alternatives to de-energization have been exhausted. See also Section 2-5. The decision to de-energize customers during this PSPS event was based on considering and weighing the quantitative and qualitative factors both ahead of and during the period of concern as detailed below.

- Coordination with the GACC regarding the potential for elevated fire weather within SCE service territory during the period of concern. The GACC agreed with SCE’s forecast of elevated fire weather potential for typical Santa Ana wind prone areas.
- Ongoing assessments before the period of concern from SCE’s in-house meteorologists using high-resolution weather models to determine the potential scope of the PSPS event; as well as real time weather data from SCE weather stations, and publicly available weather stations during the period of concern to inform actual de-energization decisions.
- Fire spread modeling to confirm areas having the greatest potential for significant fire activity. Results of this modeling by SCE identified the potential for fire in the 5 to 10-thousand acre + range in the areas of concern during the period of concern.

- Relative humidity levels in the areas of concern for this PSPS event ranged from 6 % to 15%.
- Observed weather parameters for this PSPS event, including wind speeds and Fire Potential Index ratings for the circuits in scope relative to the preset thresholds for this event. De-energization thresholds (circuit or circuit segment) were reached or exceeded for all or portions of the Castro, Morganstein, Ricardo, Badger, Calstate, Impala, Sutt, Honeycrisp, Steel, Energy, Cuthbert, and Sand Canyon circuits during this event as detailed in Table 2: Factors Considered in De-Energization in Section 2-1. See also Section 2-2. Observed hazards in the field due to wind also required the pre-emptive de-energization of the Guitar circuit as detailed in Table 6: Damages and Hazards to Overhead Facilities.
- National Weather Service-issued watches and warnings for areas of concern in SCE's service area. There were Wind Advisories and Red Flag Warnings for Los Angeles, Orange, Riverside, San Bernardino, and Ventura counties during this PSPS event.

SCE considered the following factors when deciding to conclude this de-energization event:

- Improving weather modeling for the areas of concern. SCE's meteorologists indicated elevated fire weather would continue to abate throughout the day on November 22nd due to decreasing wind speeds and improving FPI in the forecast.
 - Observed wind speeds and FPI ratings. Observed wind and FPI ratings no longer met de-energization threshold criteria as of November 22 at 5:38 am.
- 4. An explanation of how the utility determined that the benefit of de-energization outweighed potential public safety risks, and analysis of the risks of de-energization against not de-energizing. The utility must identify and quantify customer, resident, and the general public risks and harms from de-energization and clearly explain risk models, risk assessment processes, and provide further documentation on how the power disruptions to customers, residents, and the general public is weighed against the benefits of a proactive de-energization.**

For each de-energization event, SCE assesses and compares potential public safety risks associated with proactive de-energization (PSPS risk) and simulated wildfire risk (PSPS benefit in avoiding a wildfire) for all circuits in scope, using its PSPS In-Event Risk Comparison Tool.¹³ Inputs into this Tool include, among others, in-event weather, and wildfire simulation models, as well as circuit-specific data. The results of the analysis are displayed on the Incident Commander Dashboard and used by Incident Commanders to inform de-energization decisions, in conjunction with other relevant quantitative and qualitative factors described in Section 2 of this report. Incident Commanders consider the output of the Tool to assess the risk versus the benefit of de-energization on a circuit-by-circuit basis.¹⁴ The comparative PSPS and wildfire risk estimates are based on the following circuit-specific criteria and information:

¹³ SCE will continue to refine the In-Event PSPS Risk Comparison Tool based on real-time experience, additional data, and ongoing benchmarking with other IOUs. Estimates and assumptions described herein are based on risk models reflecting current industry best practices and are subject to being updated as the modeling improves.

¹⁴ As explained above (see FN 5), the Incident Commanders did not have the results for the Morganstein circuit available to them prior to de-energization.

- **PSPS Risk:** Customers served, estimated population, and the relative ranking of the circuits in scope by the percentage of Access and Functional Needs (AFN) and Non-Residential Critical Infrastructure (NRCI) customers.
- **Wildfire Risk:** Wildfire simulations (using Technosylva FireCast¹⁵ modeling) for potential ignitions based on dynamic, in-event weather and wind conditions in proximity to the circuits in scope for de-energization. These conditions are used to determine the extent of an estimated fire footprint (or fire shed). Within that fire shed, the risk of a wildfire is calculated based on the number of structures, population, and acres potentially threatened within the impacted area.

This information is used to calculate potential Safety, Financial, and Reliability impacts (or attributes) of: (1) a wildfire and (2) a proactive de-energization event, as summarized in the table below:

Risk Attribute	Wildfire Consequences	PSPS Consequences
Safety	SCE calculates the estimated number of fatalities and serious injuries based on a forecast of impacted population within the Technosylva wildfire consequence simulation. This number, in turn, is converted into the Safety index.	SCE leverages epidemiological studies and information drawn from past widespread power outage events including the 2003 Northeast Blackout, the 2011 Southwest Blackout, and the IOUs' 2019 PSPS post-event reports. ¹⁶ The resulting estimates of fatalities and serious injuries per customer minutes interrupted (CMI) are intended to approximate potential safety consequences due to the power outage, such as illnesses resulting from food spoilage or exacerbation of existing underlying health conditions. SCE enhanced the PSPS safety attribute through the application of a circuit-specific AFN/NRCI multiplier. This multiplier represents the relative ranking of each circuit based on the number of AFN and NRCI customers on the circuit.
Reliability	SCE assumes 24 hours without power per customer on each circuit in scope due to wildfire. This duration was used to maintain consistency with Technosylva 24-hour fire propagation simulation, as well as the PSPS impact duration.	SCE estimates the total customer minutes interrupted (CMI) due to proactive de-energization on a circuit. It is the product of the number of customers on a circuit and the total number of minutes of estimated interruption. SCE assumes 1,440 CMI per customer (24 hours x 60 minutes) to represent de-energization over a 24-hour

¹⁵ Technosylva is a suite of wildfire simulation models or tools. While relying on a similar underlying fire propagation engine, each model is designed to support a unique use case. FireCast is specifically designed to forecast ignition risk associated with electric utility assets over a 3-day horizon based on expected short-term weather conditions.

¹⁶ See, e.g., Anderson, G.B., Bell, M.B (2012). Lights Out: Impact of the August 2003 Power Outage on Mortality in New York, NY, *Epidemiology* 23(2) 189-193. doi: 10.1097/EDE.0b013e318245c61c.

Risk Attribute	Wildfire Consequences	PSPS Consequences
Financial	SCE calculates the financial impact of wildfire by assigning a dollar value to the buildings and acres within the fire shed potentially threatened by wildfire. For buildings, SCE uses a system average replacement value assumption. For acres, SCE uses assumed costs of suppression and restoration. ¹⁷	period. SCE conservatively assumes \$250 ¹⁸ per customer, per de-energization event to quantify potential financial losses for the purpose of comparing PSPS risk to wildfire risk. The figure represents potential customer losses, such as lost revenue/income, food spoilage, cost of alternative accommodations, and equipment/property damage. This value is based on a Value of Lost Load (VoLL), which is a widely accepted industry methodology to estimate a customer’s willingness to accept compensation for service interruption. VoLL is dependent on many factors, including the type of customer, the duration of the outage, the time of year, the number of interruptions a customer has experienced. SCE’s VoLL estimate is consistent with academic and internal studies to estimate VoLL for a single-family residential customer for a 24-hour period.

SCE quantifies the resulting PSPS risks and wildfire risks using natural unit consequences for each risk type or attribute—structures impacted, acres burned, customer minutes interrupted, serious injuries and fatalities, etc. “Safety” risk is expressed as an index, “Reliability” risk is measured in terms of customer minutes interrupted (CMI), and “Financial” risk is measured in dollar amounts.

SCE then applies a Multi-Attribute Risk Score (MARS) framework to convert these natural unit consequences to unitless risk scores—one score for PSPS risks and one score for wildfire risks.¹⁹

¹⁷ See SCE 2018 Risk Assessment Mitigation Phase (RAMP) (I.18-11-006) Workpapers, Chapter 10.

¹⁸ SCE utilizes \$250 per customer, per de-energization event to approximate potential financial losses on average, recognizing that some customers may experience no financial impact, while other customers’ losses may exceed \$250. The \$250 value is a conservative assumption used for the limited purpose of estimating the potential financial consequences of PSPS as one of many inputs into SCE’s PSPS In-Event Risk Comparison Tool. It is not an acknowledgment that any given customer has or will incur losses in this amount, and SCE reserves the right to argue otherwise in litigation and other claim resolution contexts, as well as in CPUC regulatory proceedings.

¹⁹ MARS is SCE’s version of Multi-Attribute Value Function (MAVF). The MAVF was developed as part of the Safety Model Assessment (S-MAP) proceeding and is used in the utilities’ 2018 Risk Assessment Mitigation Phase (RAMP) Report (I.18-11006, pp. 1-28) filings to compare risks and mitigation alternatives. SCE has improved its MARS framework since first developing it for the 2018 RAMP. SCE MARS 2.0 attributes, units, weights, ranges, and scales are shown below.

Attribute	Unit	Weight	Range	Scaling
Safety	Index	50%	0 – 100	Linear
Reliability	CMI	25%	0 – 2 billion	Linear
Financial	\$	25%	0 – 5 billion	Linear

These risk scores are compared to each other by dividing the wildfire risk score (*i.e.*, the potential benefit of PSPS) by the PSPS risk score (*i.e.*, the potential public harm of PSPS), yielding a benefit/risk ratio for each circuit in scope of the PSPS event. If the resulting ratio is equal to 1, the risks are equivalent. If the ratio is greater than one, the wildfire risk exceeds the PSPS risk (the higher the resulting number, the more the wildfire risk outweighs the PSPS risk). If the ratio is less than 1, the PSPS risk outweighs the wildfire risk.

The table below displays circuit-specific inputs—such as the number of customers on a circuit, AFN/NRCI multiplier, number of acres and buildings potentially threatened—which are used to calculate the PSPS and wildfire risk scores (shown in columns titled “PSPS Risk” and “Wildfire Risk”) and drive the final output of the Tool. These risk scores are then compared in the last column (highlighted in yellow) titled “FireCast Output Ratio,” which shows the ratios of wildfire risk (corresponding to potential benefit of PSPS) to PSPS risk (corresponding to potential public harm from PSPS) for each circuit in scope. All ratios in the “FireCast Output Ratio” column for are greater than 1, meaning that the wildfire risk exceeded PSPS risk for all circuits in scope. These results were presented to the Incident Commanders in advance of de-energization to inform PSPS decision-making.

Table 4: PSPS Risk vs. Benefit Comparison Tool

PSPS Risk vs. Benefit Comparison Tool										
Circuit	All Customers	Population	AFN/NRCI Multiplier	24 Hour CMI (24 x 60)	Firecast Acres	Firecast Buildings	Firecast Population	PSPS Risk (24 hr Impact-PSPS Model)	Wildfire Risk (24hr Impact-PSPS Model)	Firecast Output Ratio
ACOSTA	1227	3681	1.25	1440	6010.11	1477	5566	0.00025974	0.100434876	386.672
AMETHYST	1516	4548	1.1	1440	1748.5	1593	5197	0.00031743	0.10231353	322.323
ANTON	298	894	1.21	1440	7351.65	856	1676	0.00006292	0.047502741	755.03
ATENTO	2792	8376	1.34	1440	10217.4	793	3300	0.00059499	0.057037312	95.863
AVANTI	1595	4785	1.14	1440	2922.33	406	1299	0.00033493	0.026302591	78.532
BADGER	2096	6288	1.11	1440	845.214	390	1731	0.00043924	0.028624165	65.168
BIG ROCK	3158	9474	1.15	1440	9011.23	1051	2689	0.00066398	0.063275131	95.297
BLACKHILLS	1941	5823	1.19	1440	883.475	853	3831	0.00040912	0.062373949	152.458
CALGROVE	1902	5706	1.19	1440	5351.51	717	2319	0.00040107	0.046476422	115.882
CALSTATE	614	1842	1.14	1440	3354.09	848	3060	0.00012899	0.056683474	439.426
CARMELITA	2402	7206	1.13	1440	429.79	251	1353	0.00050414	0.020287512	40.242
CASTRO	2380	7140	1.24	1440	7318.23	827	1173	0.00050362	0.04314081	85.662
CONDOR	1459	4377	1.59	1440	8152.56	1755	2656	0.0003166	0.091516601	289.06
CUTHBERT	2380	7140	1.08	1440	1925.59	735	1379	0.00049758	0.040412146	81.217
DARTMOUTH	1361	4083	1.2	1440	2826.91	520	1499	0.00028709	0.032334087	112.627
DAVENPORT	1470	4410	1.15	1440	7559.59	1995	3585	0.00030901	0.107856022	349.042
DONLON	538	1614	1.15	1440	1721.43	589	1167	0.00011311	0.032588371	288.108
DUKE	1137	3411	1.12	1440	11103	383	745	0.00023838	0.02199626	92.275
DYSART	72	216	1.36	1440	13819.7	1226	1988	0.00001537	0.065315058	4249.336
ECHO	1770	5310	1.16	1440	1343.06	592	2215	0.00037238	0.040292089	108.202
ENERGY	1637	4911	1.3	1440	8481.18	2080	3629	0.00034788	0.111749306	321.231
ESTABAN	2087	6261	1.1	1440	1766.19	1250	3301	0.00043716	0.074997827	171.556
GALENA	1710	5130	1.22	1440	813.607	205	866	0.00036112	0.014874324	41.189
GILMAN	18	54	1.43	1440	2989.85	701	1540	0.00000386	0.039810027	10312.441
GINGER	945	2835	1.36	1440	4779.57	650	2117	0.00020167	0.042091306	208.717
GUITAR	257	771	1.2	1440	12408.1	584	3300	0.00005421	0.048184613	888.895
HILLFIELD	1927	5781	1.1	1440	1445.44	428	2632	0.00040341	0.036548137	90.598
HONEYCRISP	1556	4668	1.16	1440	10482.7	326	667	0.00032739	0.019139013	58.46
IMPALA	820	2460	1.28	1440	9020.15	1791	3907	0.00017395	0.101761749	585
LAUDA	1	3	2	1440	3069.78	433	983	0.00000022	0.024905556	111559.042
LOPEZ	1501	4503	1.07	1440	6919.9	1499	4380	0.00031363	0.093094275	296.831
LOUCKS	53	159	1.01	1440	8742.04	2081	2538	0.00001103	0.103834031	9415.956
MCKEVETT	295	885	1.3	1440	87.864	114	432	0.00006267	0.007776184	124.086
MORGANSTEIN	2028	6084	1.15	1440	4105.4	440	938	0.00042622	0.025318989	59.403
MORELLO	76	228	1.13	1440	10304.2	915	2711	0.00001595	0.057401665	3599.585
NAPOLEON	2539	7617	1.1	1440	11272.7	3276	6579	0.00053183	0.181925079	342.073
NORTHPARK	1980	5940	1.15	1440	4677.49	2161	4699	0.0004162	0.122382787	294.046
PHEASANT	178	534	1.33	1440	9802.47	4360	8593	0.0000379	0.240001079	6331.803
RAINBOW	397	1191	1.16	1440	2563.92	589	1167	0.00008347	0.032627247	390.869
RICARDO	3023	9069	1.06	1440	1160.98	592	1803	0.00063098	0.037599341	59.589
SAND CANYON	2184	6552	1.18	1440	13001.8	1080	3499	0.00046015	0.070302514	152.782
SHOVEL	723	2169	1.17	1440	7876.11	1944	2377	0.00015216	0.097140231	638.389
STEEL	37	111	1.26	1440	6022.06	103	155	0.00000784	0.005778916	737.108
SUTT	1865	5595	1.13	1440	3459.65	635	2566	0.00039143	0.044706866	114.215
TAIWAN	702	2106	1.37	1440	4342.52	984	3809	0.00014991	0.0676272	451.113
TAPO	1370	4110	1.11	1440	9836.33	1126	3607	0.00028709	0.072560699	252.748
TIMBER CANYON	701	2103	1.12	1440	4725.73	591	1608	0.00014704	0.036037633	245.081
TWIN LAKES	2291	6873	1.09	1440	250.131	124	859	0.00047937	0.01156772	24.131
VARGAS	1642	4926	1.13	1440	197.202	165	836	0.00034456	0.012964642	37.627
VERDEMONT	13	39	1.62	1440	7233.39	1741	3828	0.00000283	0.098874622	34994.475
WOBEGONE	1165	3495	1.29	1440	5364.97	1628	4192	0.00024733	0.096875486	391.687
ZONE	949	2847	1.17	1440	3706.3	707	1315	0.00019976	0.03869195	193.692

For this de-energization event, the results of the In-Event PSPS Risk Comparison Tool supported SCE’s decision to de-energize, indicating that all circuits in scope for potential de-energization during this event²⁰ had a PSPS benefit/risk ratio greater than 1. Thus, the estimated benefit of

²⁰ The table showing the results of the PSPS Risk vs. Benefit Comparison Tool includes ratios for all circuits on the monitored circuit list for this event, all of which indicate the benefit of wildfire avoidance (achieved through PSPS or other mitigation measures) exceeded PSPS risk. As noted above, the results of the Risk/Benefit Comparison Tool are

PSPS outweighed the estimated risk of PSPS for this event.

5. Explanation of alternatives to de-energization considered and evaluation of each alternative.

Typically, ahead of the period of concern when fire weather that could potentially impact the SCE service territory is forecasted, SCE performs mitigations to minimize customer impacts, including enacting operating restrictions,²¹ implementing fast curve settings,²² and performing switching operations where possible on circuits in scope for potential de-energization. SCE also pre-patrols circuits in scope and deploys field personnel to circuits at risk to monitor real-time weather and Fire Potential Index data. Once in the period of concern, SCE employs PSPS as a last resort measure only when it is necessary to protect public safety and there are no other available alternatives to mitigate identified wildfire risk. SCE only de-energizes those circuits and/or circuit segments where event-specific thresholds and de-energization triggers are being exceeded after exhausting all other alternatives.

During this event, SCE determined—based on weather forecast data, fire weather modeling information, and results of the Risk Comparison Tool—these precautionary measures alone did not sufficiently reduce the risk to public safety, and PSPS could be necessary.

Starting with the initial weather and fuel forecasts for the period of concern, SCE also began evaluating its current system configurations for circuits receiving power from a circuit that was forecast to exceed de-energization thresholds. SCE also sought out any circuit segment where another segment of the same circuit was expected to exceed thresholds that could safely be transferred to an adjacent circuit that was not expected to exceed thresholds. Ultimately, SCE found six circuits that could, in part, have customers temporarily served by adjacent circuits and avoid de-energization due to PSPS. SCE monitored weather to avoid transferring customers to a circuit that could also end up de-energized.

Additionally, one circuit had a backup generator deployed for construction activities. SCE verified the number of customers that could be safely carried by the backup generator during the event and prepared a switching plan in the event the winds were low enough that no fire risk was present if the customers were supported by the generator. The Impala circuit used the backup generator to mitigate the impact to 428 customers. These customers experienced a shorter PSPS outage once the fire potential required the de-energization of the Impala circuit.

among many quantitative and qualitative factors considered by SCE in its PSPS decision-making process. Although the ratios shown for the 52 circuits in scope supported de-energization, SCE ultimately de-energized or partially de-energized only 13 of these 52 circuits by employing other wildfire mitigation measures described in the report and/or by closely monitoring wind patterns and other FPI inputs to more accurately identify and target circuits or circuit segments where de-energization was necessary.

²¹ SCE's System Operating Bulletin No. 322 includes restrictions to limit the potential for a spark to occur or mitigate the risk of an ignition such as limits to circuit switching, recloser operations, and requirements for personnel to be physically present when operating equipment and circuits subject to hot work restrictions.

²² Fast curve settings reduce fault energy by increasing the speed with which a protective relay reacts to most fault currents. Fast curve settings can reduce heating, arcing, and sparking for many faults compared to conventional protection equipment settings. More details are in SCE's 2021 Wildfire Mitigation Plan Update (Revised), initiative SH-6.

Section 3. De-Energized Time, Place, Duration and Customers

1. The summary of time, place, and duration of the event, broken down by phase if applicable.

This PSPS event began when SCE activated its Emergency Operations Center on November 18th at 12:30 pm and ended for all circuits in scope on November 22nd by 1:45 pm when service was restored to all de-energized customers. This event encompassed circuits in the following counties: Los Angeles, Ventura, San Bernardino, and Riverside. See Section 1-1 above for additional information.

2. A zipped geodatabase file that includes PSPS event polygons of de-energized areas. The file should include items that are required in Section 3.3.

A zipped geodatabase file that includes all information in Section 3.3 is included with this filing.

3. A list of circuits de-energized, with the following information for each circuit. This information should be provided in both a PDF and excel spreadsheet.

The following table details the specified information for each circuit de-energized during this PSPS event and has also been included in the required PSPS Event Data Workbook filed with this report.

- County
- De-energization date/time
- Restoration date/time
- “All Clear” declaration date/time²³
- General Order (GO) 95, Rule 21.2-D Zone 1, Tier 2, or Tier 3 classification or non-High Fire Threat District
- Total customers de-energized²⁴
- Residential customers de-energized
- Commercial/Industrial customers de-energized
- Medical Baseline (MBL) customers de-energized

²³ SCE understands “All Clear” declaration date/time for each circuit in scope to refer to: (1) approval by the Incident Commander to begin patrols and restoration of power for any de-energized circuit or circuit segment, or (2) a final decision to remove a circuit or circuit segment from scope after the period of concern is over for that circuit or segment on the monitored circuit list that was not de-energized during the PSPS event.

²⁴ Whenever possible, SCE employs circuit-switching operations and/or sectionalization devices to minimize the number of customers in scope for proactive de-energization. As a result, some customers on a circuit in scope may briefly lose power while SCE switches them to an energized adjacent circuit or when SCE uses sectionalization devices to isolate portions of a circuit that can remain safely energized from de-energized segments of that same circuit or an adjacent circuit. The reported count of “total customers de-energized” does not include customers who experience a brief power interruption during such switching and/or sectionalization operations, but who are not otherwise impacted by the proactive de-energization.

- AFN other than MBL customers de-energized²⁵
- Other Customers
- Distribution or transmission classification

Table 5: De-Energized Time, Place, Duration and Customers

Circuits De-Energized										
County	Circuit Name	Segment Number	De-energization Date	De-energization Time (2400)	All Clear Declaration Date	All Clear Declaration Time (2400)	Restoration Date	Restoration Time (2400)	GO 95, Tier HFTD Tier(s) 1,2,3	Distribution / Transmission Classification
Ventura	Castro	Partial 4	11/21/21	0541	11/21/21	1352	11/21/21	1451	Tier 3	Distribution
Ventura	Morganstein	1	11/21/21	1047	11/21/21	1236	11/21/21	1321	Tier 3	Distribution
Ventura	Morganstein	2,3	11/21/21	1047	11/21/21	1236	11/21/21	1545	Tier 3	Distribution
Ventura	Ricardo	2	11/21/21	1113	11/21/21	1622	11/21/21	1928	Tier 2,3	Distribution
Ventura	Ricardo	Partial 2	11/21/21	1113	11/21/21	1622	11/21/21	2322	Tier 2,3	Distribution
San Bernardino	Badger	2	11/21/21	0922	11/21/21	1432	11/21/21	1517	Tier 2	Distribution
San Bernardino	Calstate	2	11/21/21	0920	11/22/21	0437	11/22/21	0705	Tier 2,3	Distribution
San Bernardino	Impala	Partial 4	11/21/21	0940	11/21/21	0950	11/21/21	1210	Tier 2,3	Distribution
San Bernardino	Impala	3	11/21/21	0940	11/22/21	0437	11/22/21	1235	Tier 2,3	Distribution
San Bernardino	Impala	4	11/21/21	0940	11/22/21	0437	11/22/21	1345	Tier 2,3	Distribution
San Bernardino	Sutt	5	11/21/21	0718	11/22/21	0437	11/22/21	0908	Tier 2,3	Distribution
San Bernardino	Sutt	Partial 5	11/21/21	0718	11/22/21	0437	11/22/21	1306	Tier 2,3	Distribution
Riverside	Honeycrisp	1, Partial 2	11/21/21	1255	11/21/21	2045	11/21/21	2215	Tier 2	Distribution
Riverside	Steel	1	11/21/21	0951	11/21/21	2257	11/22/21	0233	Tier 2,3	Distribution
Los Angeles/Ventura	Energy	7,8,9	11/21/21	0612	11/22/21	0538	11/22/21	1221	Tier 3	Distribution
Los Angeles/Ventura	Guitar	6	11/21/21	2012	11/22/21	0538	11/22/21	1113	Tier 3	Distribution
Los Angeles	Cuthbert	3	11/21/21	0943	11/21/21	1103	11/21/21	1147	Tier 3	Distribution
Los Angeles	Cuthbert	2,4,5,6,7,8,9	11/21/21	0943	11/21/21	1103	11/21/21	1517	Tier 3	Distribution
Los Angeles	Cuthbert	1	11/21/21	0943	11/21/21	1103	11/21/21	1938	Tier 3	Distribution
Los Angeles	Cuthbert	Partial 3	11/21/21	0943	11/21/21	1103	11/22/21	1230	Tier 3	Distribution
Los Angeles	Sand Canyon	8	11/21/21	2132	11/22/21	0538	11/22/21	1106	Tier 3	Distribution

²⁵ The final post-event report template issued by SED on October 18, 2021 included for the first time a new requirement to provide a count of de-energized AFN customers other than customers enrolled in MBL. SCE maintains extensive data on customer populations, such as income-qualified customers enrolled in CARE and FERA programs and customers who receive Braille or large-font bills, that are included in the broad AFN definition referenced in CPUC decisions (*see, e.g.,* D.21-06-034 at pp. 104-105 n.255 quoting Gov. Code Sec. 8593.3(f)(1)). However, SCE does not currently have the capability to accurately identify within 10 business days of a PSPS event which of these customer groups had been impacted by a proactive de-energization. In addition, there may be significant overlap between AFN customer categories such as income-qualified, older adults (65+), large font bill recipients. At this time, SCE is able to report on impacted AFN customers who have self-certified as sensitive (i.e., customers who have identified themselves as more reliant on electricity than the general population due to a medical or other condition, but who are not enrolled in SCE's Medical Baseline or Critical Care program). SCE can also identify impacted customers that provide shelter to the homeless population, as these entities are included among critical facilities and infrastructure. SCE will endeavor to provide more complete data on impacted AFN customers in the annual post-season report.

Customers De-Energized									
County	Circuit Name	Segment Number	Residential Customers De-energized	Commercial / Industrial customers De-energized	Medical Baseline customers De-energized	AFN other than MBL customers De-energized	Total customers De-energized	GO 95, Tier HFTD Tier(s) 1,2,3	Other Customers
Ventura	Castro	Partial 4	3	1	0	0	4	Tier 3	N/A
Ventura	Morganstein	1, 2, 3	1844	92	91	0	2027	Tier 3	N/A
Ventura	Ricardo	2	507	12	11	0	532	Tier 2,3	N/A
San Bernardino	Badger	2	0	7	0	0	7	Tier 2	N/A
San Bernardino	Calstate	2	4	3	1	0	8	Tier 2,3	N/A
San Bernardino	Impala	3, 4,	407	38	18	0	463	Tier 2,3	N/A
San Bernardino	Sutt	5	65	18	0	0	83	Tier 2,3	N/A
Riverside	Honeycrisp	1, Partial 2	840	12	20	0	872	Tier 2	N/A
Riverside	Steel	1	9	12	0	0	21	Tier 2,3	N/A
Los Angeles/Ventura	Energy	7,8,9	13	24	0	0	37	Tier 3	N/A
Los Angeles/Ventura	Guitar	6	10	33	0	0	43	Tier 3	N/A
Los Angeles	Cuthbert	Segments 1-9	1079	30	20	0	1129	Tier 3	N/A
Los Angeles	Sand Canyon	8	0	9	0	0	9	Tier 3	N/A

Section 4. Damage and Hazards to Overhead Facilities

1. Description of all found wind-related damages or hazards to the utility’s overhead facilities in the areas where power is shut off.

Multiple instances of damage to distribution circuit structures and associated line hardware were found during restoration patrols for this event as a result of the high winds as detailed in the table below. An instance of primary conductors slapping during the period of concern was also observed, which potentially could have created an ignition, had the circuits remained energized.

2. A table showing circuit name and structure identifier (if applicable) for each damage or hazard, county that each damage or hazard is located in, whether the damage or hazard is in a High Fire Threat District (HFTD) or non-HFTD and the type of damage/hazard.

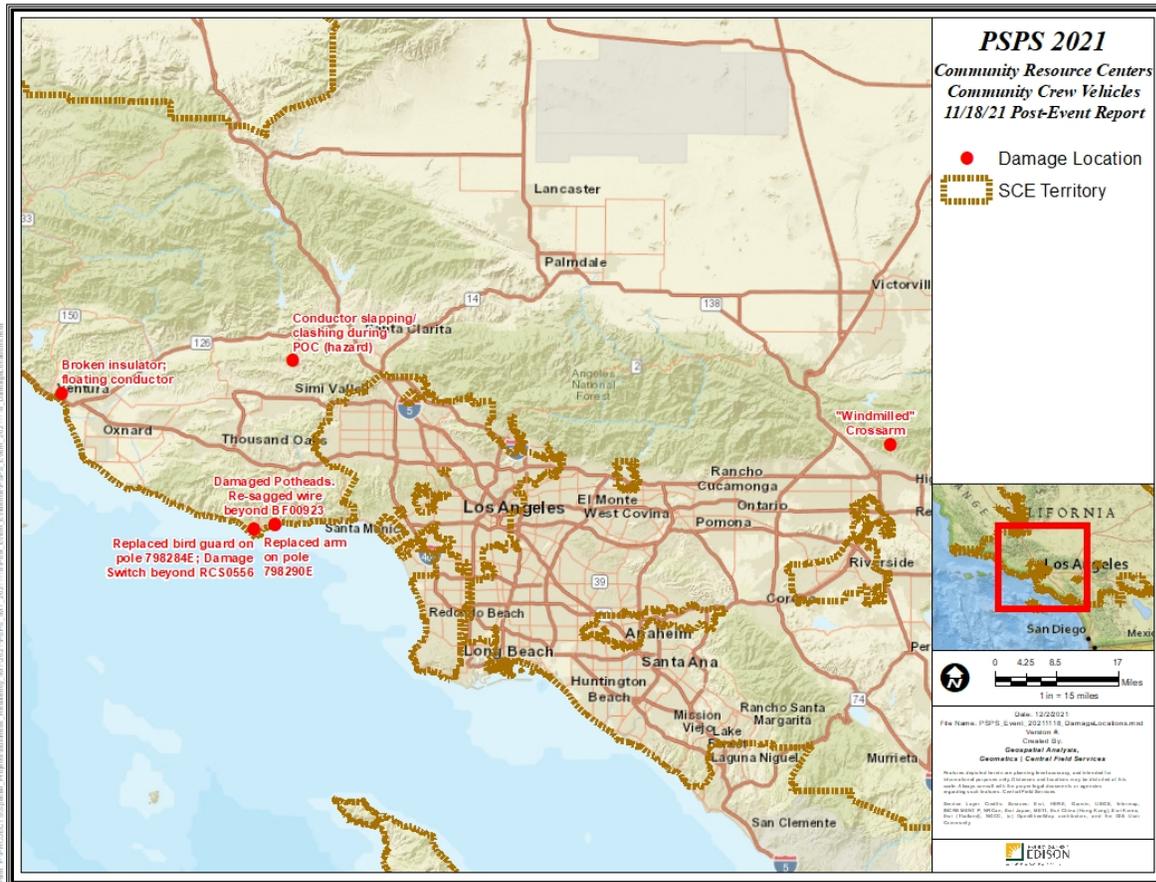
Table 6: Damage and Hazards to Overhead Facilities

Damage and Hazards				
Circuit Name	County	Structure Identifier	Tier 2/3 or Non-HFTD	Type and Description of Damage or Hazard
Cuthbert	Los Angeles	798284E, 798290E, 798283E	Tier 3	Damaged/broken potheads and sagging line
Ricardo	Ventura	1531415E	Tier 3 Tier 2	Broken insulator; floating conductor
Sutt	San Bernardino	4552445E	Tier3 Tier 2	Damaged/displaced crossarm
Guitar	Los Angeles, Ventura	1832111E	Tier 3	Conductor slapping/clashing during POC (hazard)

3. A zipped geodatabase file that includes the PSPS event damage and hazard points. The file should include fields that are in the table above.

A zipped geodatabase file that includes information in Section 4.2 is included with this filing.

4. A PDF map identifying the location of each damage or hazard.



Section 5. Notification

1. **A description of the notice to public safety partners, local/tribal governments, paratransit agencies that may serve all the known transit or paratransit dependent persons that may need access to a community resource center, multi-family building account holders/building managers in the AFN community²⁶, and all customers, including the means by which utilities provide notice to customers of the locations/hours/services available for CRCs, and where to access electricity during the hours the CRC is closed.**

SCE notified State level public safety partners of this PSPS event by submitting the required CalOES Notification forms via the California State Warning Center (CSWC) Dashboard beginning on November 18, 2021, at 5:58 pm, with subsequent updates daily as required by the CalOES PSPS Standard Operating Guide. SCE also notified the CPUC of the PSPS event on November 18th at 3:42 pm and maintained ongoing communication with them for the duration of the event. SCE includes paratransit agencies that may be de-energized in its PSPS notifications and classifies these agencies as critical facilities and infrastructure, so they receive priority notifications. All multi-family building SCE account holders receive customer notifications. In its customer notification, SCE directs potentially impacted customers to www.sce.com/psps for information related to the location, hours, and services available at Community Resource Centers. Instructions on where customers can access electricity during the hours the centers are closed has been made available with the launch of a new PSPS webpage on November 30th. Descriptions of various types of PSPS notifications are provided in the table below.

Table 7: Notification Descriptions

Notification Descriptions		
Type of Notification	Recipients	Description ²⁷
Initial	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers, CBOs and paratransit agencies serving the AFN community).	Initial notification of potential PSPS event when circuits are first identified for potential de-energization (72-48 hours before potential de-energization)

²⁶ SCE notifies multi-family building account holders in the ordinary course along with other customers of record in scope for a potential de-energization. SCE does not currently have a way to identify which multi-family building account holders have residents in their buildings who may be members of the AFN community. SCE conducts PSPS-related outreach via flyers and trade publications to increase awareness of PSPS among building/property managers who are not account holders. SCE also recently instituted an address-level alert program, which allows non-SCE account holders (such as building/property managers) to sign up for PSPS alerts for specific addresses.

²⁷SCE makes every effort to adhere to the notification timelines required by the CPUC. However, notifications may be delayed in some circumstances due to the sudden onset of dangerous fire weather that was not forecasted or when such weather conditions manifest earlier than predicted by the forecast.

Notification Descriptions		
Type of Notification	Recipients	Description²⁷
	Customers (including multi-family building account holders).	Initial notification of potential PSPS event (48-24 hours before potential de-energization).
Update ²⁸	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers, CBOs and paratransit agencies serving the AFN community).	PSPS event status update notification to alert for any changes or additions/deletions to current scope (timing varies).
	Customers (including multi-family building account holders).	
Imminent De-Energize	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers, CBOs and paratransit agencies serving the AFN community).	Power shutoff expected soon (1-4 hours before potential de-energization).
	Customers (including multi-family building account holders).	
De-Energized	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers,	Power has been shut off (when de-energization is initiated).

²⁸ The Update notification type is SCE-specific and not part of the California Public Utilities Commission PSPS requirements.

Notification Descriptions		
Type of Notification	Recipients	Description²⁷
	<p>CBOs and paratransit agencies serving the AFN community).</p> <p>Customers (including multi-family building account holders).</p>	
Continued Shutoff	Customers (including multi-family building account holders).	Status update to those customers with an overnight de-energization.
Prepare to Restore (Imminent Re-Energization)	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers, CBOs and paratransit agencies serving the AFN community).	Inspection/patrols of de-energized circuits for PSPS restoration has begun and power will be restored shortly.
	Customers (including multi-family building account holders).	
Re-Energized	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers, CBOs and paratransit agencies serving the AFN community).	Power has been restored.
	Customers (including multi-family building account holders).	
Event-Concluded-All Clear	Public Safety Partners and Critical Facilities & Infrastructure (including local and Tribal governments, Community Choice Aggregators, hospitals, water/wastewater and telecommunications providers,	PSPS event is concluded.

Notification Descriptions		
Type of Notification	Recipients	Description²⁷
	CBOs and paratransit agencies serving the AFN community).	
	Customers (including multi-family building account holders).	
Event Avoided- All Clear	Customers (including multi-family building account holders).	PSPS event cancelled-no de-energization expected.
PSPS Ended Restored & All Clear	Customers (including multi-family building account holders).	PSPS event concluded-no further PSPS expected.
PSPS Temporarily Restored; NOT All Clear, PSPS Risk Remains	Customers (including multi-family building account holders).	PSPS event ongoing-additional PSPS risk possible.

2. Notification timeline including prior to de-energization, initiation, restoration, and cancellation, if applicable. The timeline should include the required minimum timeline and approximate time notifications were sent.

Throughout the PSPS event, SCE made significant efforts to notify public safety partners, local/tribal governments, critical facilities and infrastructure, and customers in accordance with the minimum timelines set forth by the CPUC in PSPS Phase 1 Guidelines (D.19-05-042), weather and other factors permitting.

Please see Table 8: Notification Timeline in the attached event data workbook for a list of the notifications SCE sent for this event, including approximate times of notifications sent to local/tribal governments, public safety partners, and customers prior to potential de-energization and after the decision to cancel the de-energization or remove from scope in accordance with the minimum timelines set forth by the CPUC PSPS Phase 1 Guidelines (D.19-05-042).

3. For those customers where positive or affirmative notification was attempted, use the following table to report the accounting of the customers (which tariff and/or access and functional needs population designation), the number of notification attempts made, the timing of attempts, who made the notification attempt (utility or public safety partner) and the number of customers for whom positive notification was achieved. “Notification attempts made” and “Successful positive notification” must include the unique number of customer counts. When the actual notification attempts made is less than the number of customers that need positive notifications, the utilities must explain the reason. In addition, the utilities must explain the reason of any unsuccessful positive notifications.

Table 9: Positive Notification²⁹

Positive Notification					
Category	Total Number of Customers	Timing of Attempts	Notification Attempts	Successful Positive Notification	Who Made the Notification
Medical Baseline	1,306	Daily	1,306	1,306	SCE
Self-Certified Sensitive	55	Daily	55	55	SCE

4. A copy or scripts of all notifications with a list of all languages that each type of notification was provided in, the timing of notifications, the methods of notifications and who made the notifications (utility or public safety partners).

Scripts of all notifications are attached hereto in Appendix, Attachment A. SCE performs all primary customer notifications and encourages public safety partners to amplify PSPS messages on their platforms as appropriate. SCE offers all notifications in the following languages: English, Spanish, Cantonese, Mandarin, Vietnamese, Tagalog, and Korean. Khmer, Armenian, Farsi, Arabic, Japanese, Russian, Punjabi, Thai, Hmong, Portuguese, Hindi, French, German, Mixteco (indigenous - spoken only), Zapoteco (indigenous - spoken only), and Purapecha (indigenous - spoken only).

5. If the utility fails to provide notifications according to the minimum timelines set forth in D.19-05-042 and D.21-06-034, use the following table to report a breakdown of the notification failure and an explanation of what caused the failure.

Throughout the PSPS event, SCE made significant efforts to notify public safety partners, local/tribal governments, critical facilities and infrastructure, and customers in accordance with the minimum timelines set forth by the CPUC in PSPS Phase 1 Guidelines (D.19-05-042), weather and other factors permitting. Any notification failures during the event are included in the following table.

²⁹Successful positive notification includes secondary verification by Consumer Affairs and escalated contact attempts, up to and including door knocks, if necessary.

Table 10: Breakdown of Notification Failure

Breakdown of Notification Failures			
Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts ³⁰	Explanation
Public Safety Partners excluding Critical Facilities and Infrastructure	Entities who did not receive 48- to 72-hour advance notification.	7	Not forecasted in scope by 48 hours before de-energization
	Entities who did not receive 1- 4-hour imminent notification.	9	Rapidly escalating weather conditions required immediate de-energization, which resulted in notification being sent less than 1 hour before de-energization or (in the case of one circuit) no notification at all.
	Entities who did not receive any notifications before de-energization.	1	Inadvertently not sent due to miscommunication between operations and notifications teams.
	Entities who were not notified immediately before re-energization.	0	
	Entities who did not receive cancellation notification within two hours of the decision to cancel.	0	

³⁰ Not all missed notifications are unique. For example, some Public Safety Partners may also be directly impacted as customers and, therefore, may be included more than once in the same timeframe for missed notifications.

Breakdown of Notification Failures			
Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts ³⁰	Explanation
Critical Facilities and Infrastructure	Facilities who did not receive 48-72-hour advance notification.	0	
	Facilities who did not receive 1- to 4-hour of imminent notifications.	5	Rapidly escalating weather conditions required immediate de-energization, which resulted in notification being sent less than 1 hour before de-energization or (in the case of one circuit) no notification at all.
	Facilities who did not receive any notifications before de-energization.	0	
	Facilities who were not notified at de-energization initiation.	0	
	Facilities who were not notified immediately before re-energization.	0	
	Facilities who were not notified when re-energization is complete.	0	
	Facilities who did not receive cancellation	0	

Breakdown of Notification Failures			
Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts ³⁰	Explanation
	notification within two hours of the decision to cancel.		
All other affected customers	Customers who did not receive 24- to 48-hour advance notifications.	2,125	Not forecasted in scope by 24 hours before de-energization
	Customers who did not receive 1- to 4-hour imminent notifications.	21	Rapidly escalating weather conditions required immediate de-energization, which resulted in notification being sent less than 1 hour before de-energization
	Customers who did not receive any notifications before de-energization.	0	
	Customers who were not notified at de-energization initiation.	0	
	Customers who were not notified immediately before re-energization.	0	
	Customers who were not notified when re-energization is complete.	0	

Breakdown of Notification Failures			
Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts ³⁰	Explanation
	Customers who did not receive cancellation notification within two hours of the decision to cancel.	3,617	Inadvertently not sent due to miscommunication between operations and notifications teams.

6. Explain how the utility will correct the notification failures.

SCE continues to make progress towards improving the accuracy and granularity of its weather and fuel modeling capabilities. These efforts will increase precision in notifications and will help to identify the scope and duration of de-energizations more accurately. More precise weather and fuels forecasts will address some of SCE’s inherent challenges in capturing details in the timing and magnitude of predicted fire weather events. These improvements will collectively help to identify the scope of where, when, and how long potential de-energizations may occur more clearly, reducing the number of “short notice” and missed notifications. Despite these important improvements, there may still be instances where SCE is unable to meet all notification requirements due to sudden onset of unexpected weather given the differences in forecast to actual weather conditions. SCE also continues to enhance existing automation processes to eliminate internal miscommunications that may result in external communication failures and/or missed notifications.

7. Enumerate and explain the cause of any false communications citing the sources of changing data.

SCE is aware of the following situations during this PSPS event that may be viewed as “false communications,” as clarified by the Commission in D.21-06-034 (pp. 78-80).

Missed/Insufficient Notice:

- Refer to Table 10: Breakdown of Notification Failure in Section 5-5 above for specifics related to this topic.

Incorrect Notice:

- N/A. SCE is not aware of any incorrect notifications that were sent during this event.

Cancelled Notice:

- SCE utilized weather forecasts to determine potential circuits in scope for this PSPS event for

the purposes of advance notification to customers. Once these in-scope circuits were identified, SCE further mitigated impacts to these customers as detailed in Section 10: Mitigation to Reduce Impact of this report, ultimately decreasing the final number of customers in scope for potential de-energization. There was a difference between the original scope and the final scope of this event given these mitigation measures, which resulted in SCE sending cancellation notices to 35,306 customers during this event.

Section 6. Local and State Public Safety Partner Engagement

- 1. List the organization names of public safety partners including, but not limited to, local governments, tribal representatives, first responders, emergency management, and critical facilities and infrastructure the utility contacted prior to de-energization, the date and time on which they were contacted, and whether the areas affected by the de-energization are classified as Zone 1, Tier 2, or Tier 3 as per the definition in CPUC General Order 95, Rule 21.2-D.**

Please see Table 11: Public Safety Partners Contacted in the attached event data workbook for a list of local public safety partners that received notifications related to this event.

- 2. List the names of all entities invited to the utility's Emergency Operations Center for a PSPS event, the method used to make this invitation, and whether a different form of communication was preferred by any entity invited to the utility's emergency operation center.**

SCE extends a daily invitation for agency representatives to its Emergency Operations Center (currently virtual only) during agency coordination calls with public safety partners and critical infrastructure providers. SCE also shares daily situational reports from these calls with all impacted public safety partners and critical infrastructure providers that includes contact information for requesting/receiving an agency representative to the Emergency Operations Center. All entities invited to the SCE Emergency Operations Center can be found in Table 12: Entities Invited to the SCE Emergency Operations Center in the attached the data workbook. No entities invited to the virtual Emergency Operations Center preferred a different form of communication during this event.

- 3. A statement verifying the availability to public safety partners of accurate and timely geospatial information, and real time updates to the GIS shapefiles in preparation for an imminent PSPS event and during a PSPS event.**

SCE provided accurate and timely geospatial information and real-time updates to GIS shapefiles via the SCE Representational State Transfer Service (REST) to public safety partners before and during the PSPS event and provided this information to public safety partners on its Public Safety Partner Portal (Portal). SCE also made this information available to customers at www.sce.com/psps. SCE is aware of and is working to resolve a limitation the Portal has in which tabular format data does not match the graphical format.

- 4. A description and evaluation of engagement with local and state public safety partners in providing advanced outreach and notification during the PSPS event.**

SCE notified State level public safety partners of this PSPS event by submitting the required CalOES Notification forms via the California State Warning Center (CSWC) Dashboard beginning on November 18, 2021, at 5:58 pm, with subsequent updates daily as required by the CalOES PSPS Standard Operating Guide. SCE also notified the CPUC of the PSPS event on November 18th at 3:42 pm, and maintained ongoing communication with them for the duration of the event. SCE conducted daily operational briefings with State and local public safety partners, as well as critical infrastructure providers to provide critical incident updates and a forum for resolving

issues. Table 11: Public Safety Partners Contacted in the attached event data workbook details a list of local public safety partners that received notifications related to this event.

5. Specific engagement with local communities regarding the notification and support provided to the AFN community.

SCE initially contacted representatives of local communities about the potential for this event beginning on November 18, 2021 and maintained contact with these local representatives for the duration of the event to address any emergent issues. SCE also conducted daily briefing calls with the following invited Community-Based Organizations (CBOs): Regional Centers, American Red Cross, Independent Living Centers, 211 CA Network, and other CBOs supporting wildfire and emergency preparedness marketing and outreach efforts.

6. Provide the following information on backup power (including mobile backup power) with the name and email address of a utility contact for customers for each of the following topics:

- a. Description of the backup generators available for critical facility and infrastructure customers before and during the PSPS.

SCE maintains a total of 20 mobile generators for use by critical facilities and infrastructure during PSPS events as needed.

- b. The capacity and estimated maximum duration of operation of the backup generators available for critical facility and infrastructure customers before and during the PSPS.

The generators SCE maintains for PSPS events are rated at 20-500 KW and have an estimated maximum duration of operation of 24 hours with a continuous fuel plan to ensure there is no interruption of power while the generators are deployed for usage.

- c. The total number of backup generators provided to critical facility and infrastructure customer's site immediately before and during the PSPS.

N/A. No critical facilities or infrastructure customers requested backup power; as such, SCE did not deploy any backup generation to critical facility and infrastructure customers during this event.

- d. How the utility deployed this backup generation to the critical facility and infrastructure customer's site.

N/A. No critical facilities or infrastructure customers requested backup power; as such, SCE did not deploy any backup generation to critical facility and infrastructure customers during this event.

- e. An explanation of how the utility prioritized how to distribute available backup

generation.

N/A. No critical facilities or infrastructure customers requested backup power; as such, SCE did not deploy any backup generation to critical facility and infrastructure customers during this event.

- f. Identify the critical facility and infrastructure customers that received backup generation.

N/A. No critical facilities or infrastructure customers requested backup power; as such, SCE did not deploy any backup generation to critical facility and infrastructure customers during this event.

Any questions related to the information under this item may be directed to SCE at the following e-mail address: SCEBCDCustomersupport@sce.com.³¹

³¹ Although there is no designated contact person for questions, this e-mail inbox is monitored by SCE's Business Customer Division.

Section 7. Complaints and Claims

- 1. The number and nature of complaints received as the result of the de-energization event and claims that are filed against the utility because of de-energization. The utility must completely report all the informal and formal complaints, meaning any expression of grief, pain, or dissatisfaction, from various sources, filed either with CPUC or received by the utility as a result of the PSPS event.**

There were 33 reported complaints and 1 claim associated with this PSPS event as detailed below. SCE will include any complaints or claims related to this PSPS event received after the filing of date of this report in its annual post-season report.

Table 13: Count and Nature of Complaints Received

Count and Nature of Complaints Received	
Nature of Complaints	Number of Complaints
PSPS Frequency/Duration Including, but not limited to complaints regarding the frequency and/or duration of PSPS events, including delays in restoring power, scope of PSPS and dynamic of weather conditions.	5
Safety/Health Concern Including, but not limited to complaints regarding difficulties experienced by AFN/MBL populations, traffic accidents due to non-operating traffic lights, inability to get medical help, well water or access to clean water, inability to keep property cool/warm during outage raising health concern	2
Communications/Notifications Including, but not limited to complaints regarding lack of notice, excessive notices, confusing notice, false alarm notice, problems with getting up-to-date information, inaccurate information provided, not being able to get information in the prevalent languages and/or information accessibility, complaints about website, Public Safety Partner Portal, REST/DAM sites (as applicable)	0
Outreach/Assistance Including, but not limited to complaints regarding community resource centers, community crew vehicles, backup power, hotel vouchers, other assistance provided by utility to mitigate impact of PSPS	1
General PSPS Dissatisfaction/Other Including, but not limited to complaints about being without power during PSPS event and related hardships such as food loss, income loss, inability to work/attend school, plus any PSPS-related complaints that do not fall into any other category.	25
Total	33

Table 14: Count and Type of Claims Received

Count and Type of Claims Received	
Description of Claims	Number of Claims
Food loss only	0
Property Damage	0
Food loss and property damage	0
Evacuation Cost	0
Business Interruption / Economic Loss	0
Unspecified	1
Total	1

Section 8. Power Restoration Timeline

1. A detailed explanation of the steps the utility took to restore power, including the timeline for power restoration, broken down by phase if applicable.

After the initial adverse weather conditions in the early morning hours of November 21st, there was a break in forecast of potential fire danger by late morning that allowed SCE to identify some circuits that could be patrolled for safe re-energization prior to the end of the period of concern. The ten circuits de-energized at that time were reviewed by SCE’s meteorologists and seven of the circuits showed forecasts expected to fall and stay below de-energization thresholds. Given this, the Incident Commander approved the patrol for restoration on these seven circuits. The first of these seven circuits were re-energized as early as 7 am. Restoration continued through the afternoon.

Although one circuit was also de-energized in the afternoon and two circuits were de-energized in the late evening, all remaining circuits received the “All Clear” declaration from the Incident Commander by 11 pm on November 21st as SCE’s real-time weather station data and forecast models were trending downward. Circuit restoration continued through the night when conditions were safe to do so. Three circuits required air patrol the next morning on November 22nd, and one small portion of the Cuthbert circuit required extensive repairs before the final two customers could be re-energized. Service was restored to all customers on November 22nd by 1:45 pm.

2. For any circuits that require more than 24 hours to restore, the utility shall use the following table to explain why it was unable to restore each circuit within this timeframe.

Table 15: Circuits Requiring More Than 24 Hours to Restore

Circuits Requiring more than 24 hours to restore	
Circuit Name	Reason the utility was unable to restore the circuit within 24 hours
Cuthbert	Repairs were required due to excessive wind-related damage found during restoration patrol affecting two customers.

Section 9. Community Resource Centers

- Using the following table, report information including the address of each location during a de-energization event, the location (in a building, a trailer, etc.), the assistance available at each location, the days, and hours that it was open, and attendance (i.e., number of visitors).

Table 16: Community Resource Centers

Community Resource Centers				
Address	Location Type	Describe the assistance available	Hours of Operation (Date / Time)	Number of Visitors
Michael Landon Community Center parking lot 24250 Pacific Coast Hwy Malibu, 90265	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	17
Agua Dulce Women's Club parking lot 33201 Agua Dulce Canyon Rd. Agua Dulce, 91390	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	0
Chatsworth Lake Church parking lot 23449 Lake Manor Dr. Chatsworth, 91311	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	33
Library of the Canyons parking lot 7531 E. Santiago Canyon Rd. Silverado, 92676	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	2

Community Resource Centers				
Address	Location Type	Describe the assistance available	Hours of Operation (Date / Time)	Number of Visitors
Riverside County Fire Station #3 parking lot 30515 10 th St. Nuevo, 92567	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	18
Holiday Inn Express & Suites 1864 Oak Valley Village Beaumont, 92223	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	6
Centennial Park 7330 Jurupa Rd. Jurupa Valley, 92509	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	0
Jessie Turner Community Center 15556 Summit Ave. Fontana, 92336	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	1
Santa Paul Community Center 530 W. Main Street Santa Paula, 93060	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	0

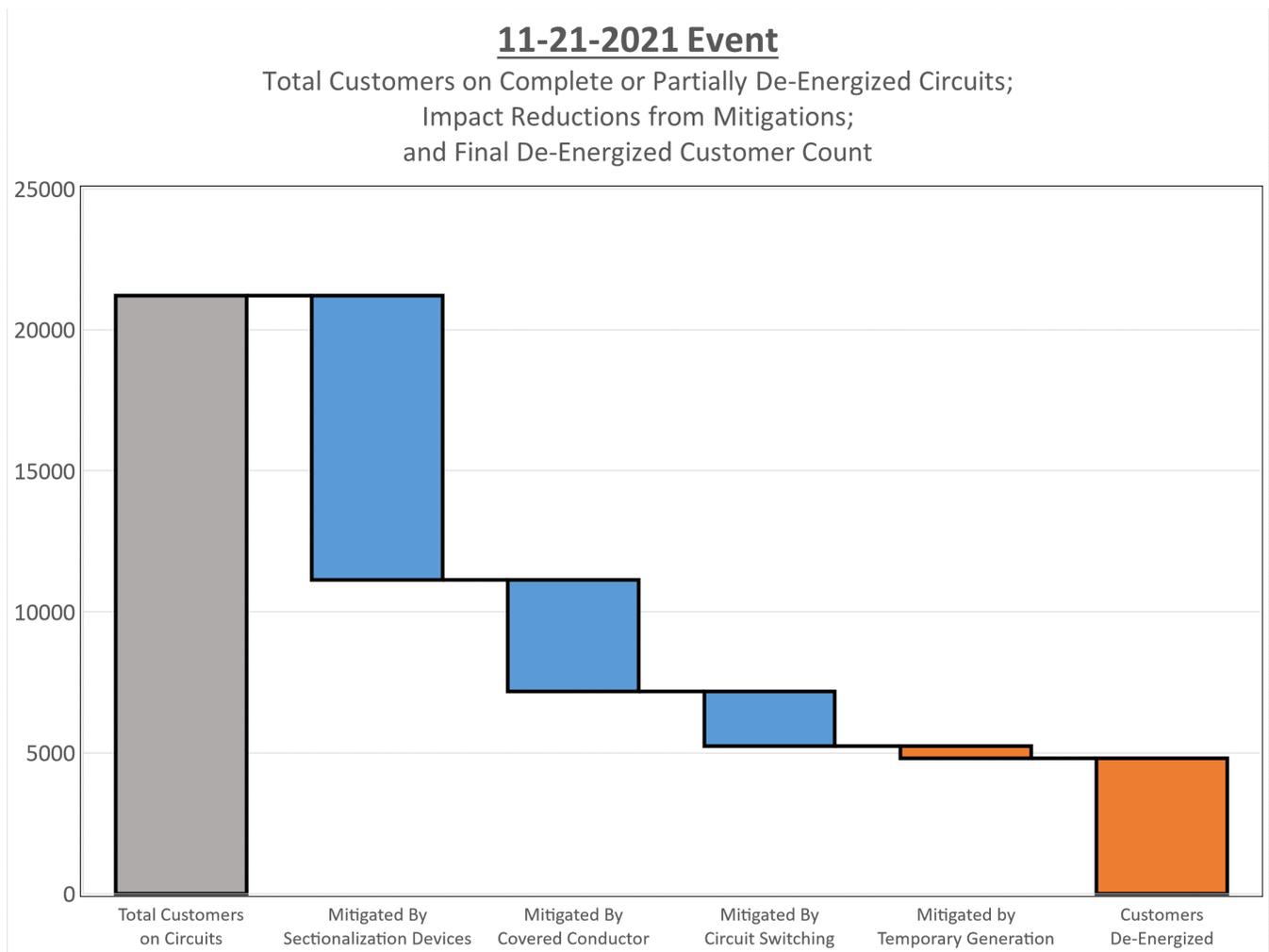
Section 10. Mitigation to Reduce Impact

1. Mitigation actions and impacts (both waterfall graph and map) including: sectionalization devices, temporary generation, microgrids, permanent backup generation, transmission switching, covered conductor, and any other grid hardening that mitigated the impact of the event

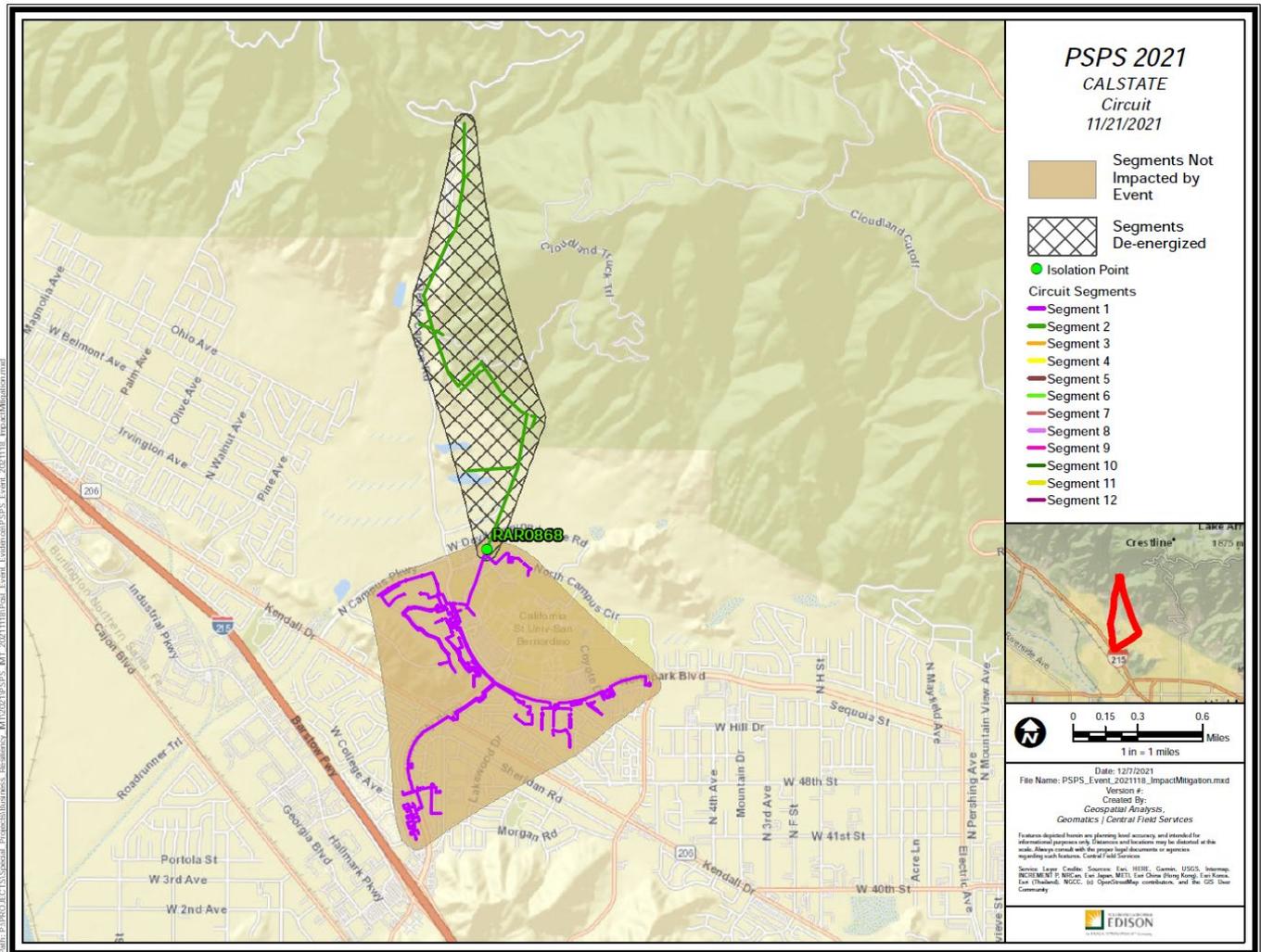
Prior to the period of concern, SCE identified sectionalizing devices through pre-planned circuit playbooks to reduce the number of customers potentially in scope for PSPS. The day before the period of concern, SCE transferred customers from six circuits to adjacent circuits. A portion of the Big Rock circuit was originally in scope for potential de-energization and SCE was able to relocate these customers to the adjacent Kuehner circuit. Similarly, customers on the Twin Lakes and Sand Canyon circuits were also temporarily served by adjacent circuits. An underground section of the Honeycrisp circuit was relocated to adjacent non-impacted circuits, allowing 859 customers to maintain service. Using sectionalizing devices along with real-time weather station data and information from live field observers, SCE was able to minimize customer impact on all circuits in scope for this event to only 5,235 customers. Additionally, SCE provided and temporarily installed a backup generator on the Impala circuit to mitigate the impact to 428 customers who experienced a short outage once the Impala circuit experienced higher winds and fire potential.

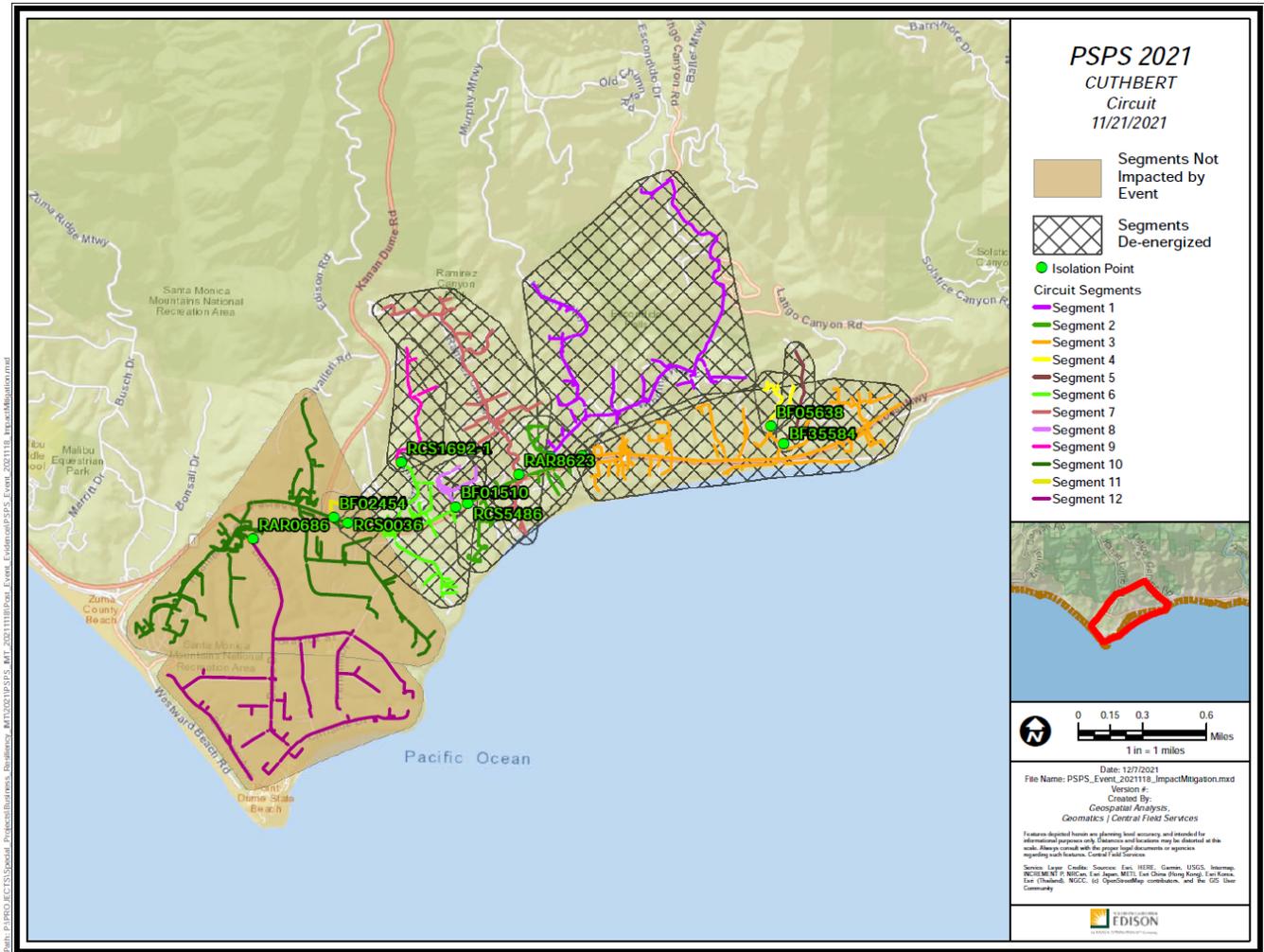
The waterfall graph below shows the impact of mitigation measures that had been implemented prior to the PSPS event for the circuits listed in Table 5. These mitigation measures included, among others, recently completing the installation of covered conductor on portions of the Energy and Northpark circuits. In addition, the use of sectionalizing devices in combination with higher resolution situational awareness, switching customers in scope to adjacent circuits with forecasts of lower wildfire risk, and the use of a backup generator reduced the impacts to customers. These types of combined benefits are simplified for single category depiction in the waterfall chart detailed below. Absent these mitigations and under the same weather conditions, it would have been necessary to de-energize over 20,000 customers at the circuit level on all circuits in scope for this event compared to only the 5,235 customers that were de-energized during this event.

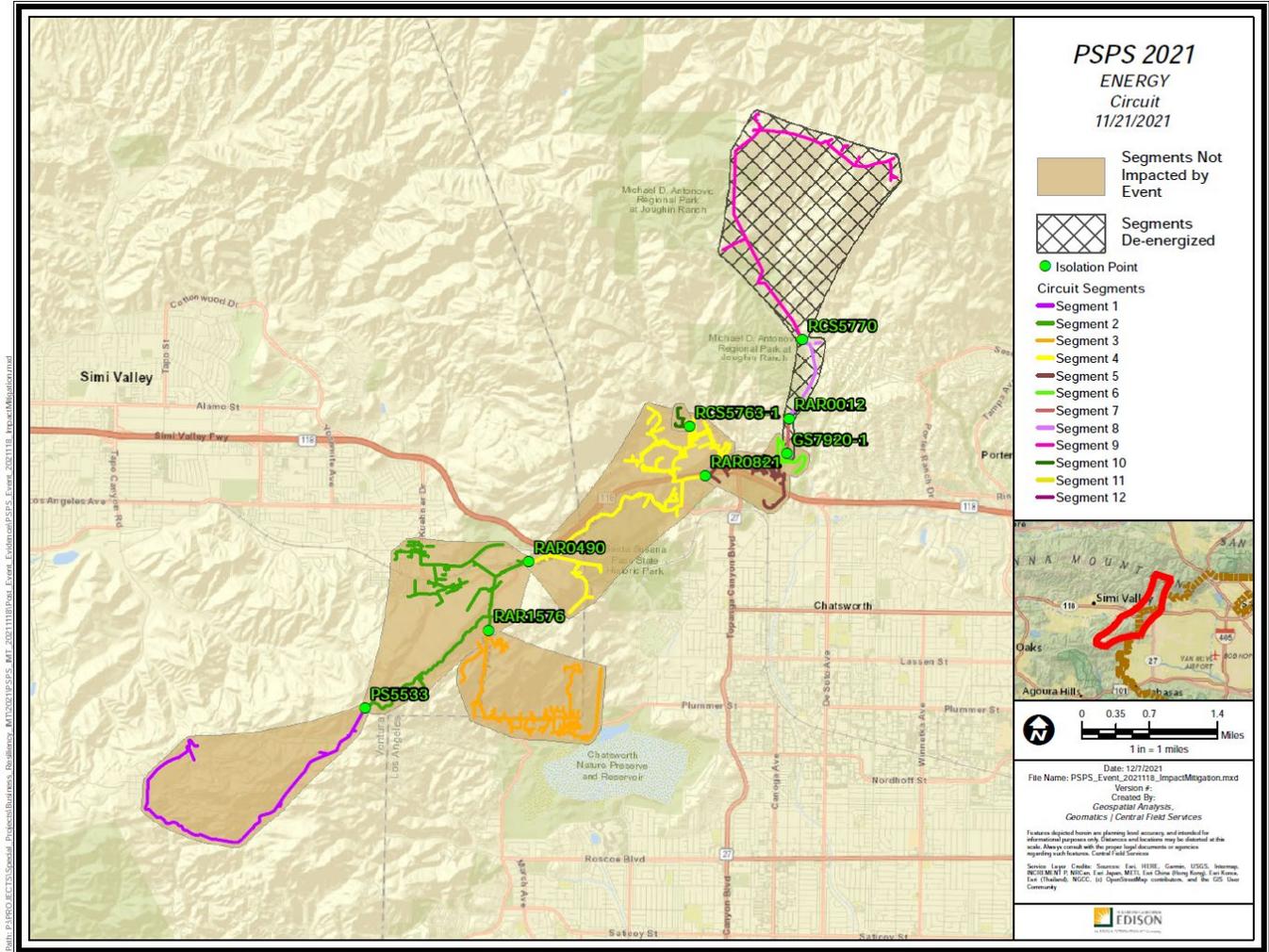
As an additional note, the customers picked up by backup generation are labeled in the graph below as mitigated due to shortened duration of an outage that was experienced but are also shown in orange to depict that they were de-energized for a brief time. These 428 customers and the respective outage are reported throughout the document as an outage due to the timeframe between the initial de-energization and the time the generator was online.

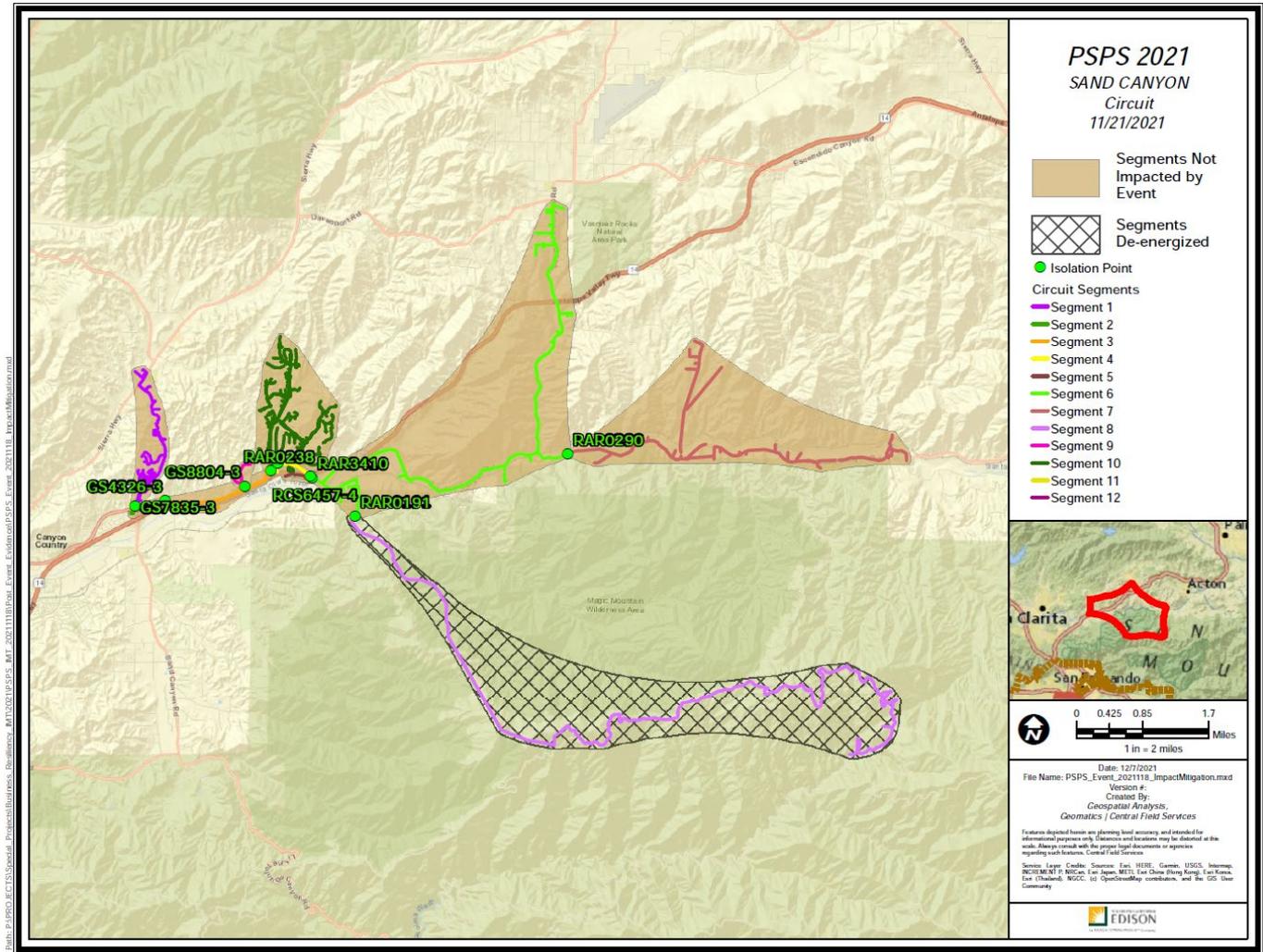


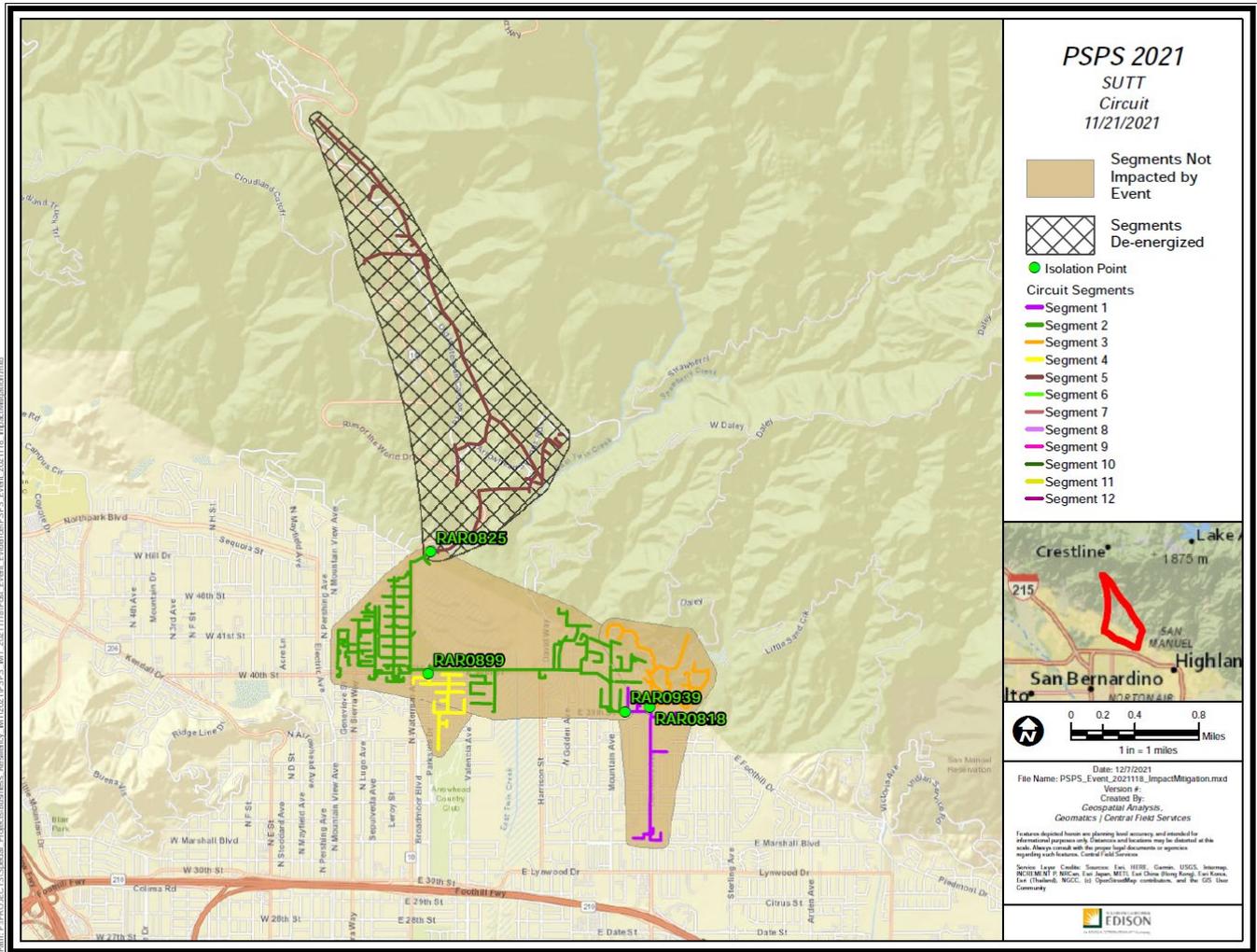
The maps below show the impacts of the above-described mitigation actions on each circuit where some form of mitigation was successfully deployed to limit the scope of de-energization. The shaded areas identify segments of each circuit that remained safely energized as a result of mitigation measures such as sectionalization. The circuit segments that had to be de-energized are identified by the crosshatched overlay.











Section 11. Lessons Learned

1. Threshold analysis and the results of the utility’s examination of whether its thresholds are adequate and correctly applied in the de-energized areas.

SCE believes our thresholds are adequate and correctly applied in de-energized areas as detailed in Attachment B - Quantitative and Qualitative Factors in PSPS Decision-Making Technical Paper.

2. Any lessons learned that will lead to future improvement for the utility.

Table 17: Lessons Learned

Lessons Learned		
Issue	Discussion	Resolution
To minimize potentially notifying customers who were not likely to be de-energized, SCE did not send pre-event notifications for covered conductor circuits unless the forecast was expected to meet or exceed the de-energization threshold.	This process minimizes unnecessarily notifying customers who will not be de-energized if their circuits do not meet de-energization criteria. However, those customers could potentially need to be de-energized with no prior notification if actual wind speed conditions in the field exceed forecasted values.	SCE continues to assess options for striking the right balance between providing sufficient notice for customers to prepare for potential de-energizations with not unnecessarily notifying customers who are unlikely to be de-energized. These options include potentially adding a buffer to help account for forecast bias and minimize the need to de-energize customers with short or no notice.
Access to situational awareness data was delayed during this event, which in some cases resulted in inconsistent notifications and reporting to public safety partners during external briefings	SCE experienced delays processing updated weather forecasts and determining real-time circuits status and associated customer counts, which are required inputs for supporting in-event notification, external reporting, and briefing requirements.	As described in its Action Plan, SCE continues to work with Palantir to reduce processing time through automation of core PSPS processes ahead of 2022 PSPS events.

Section 12. Other Relevant Information

1. This section includes any other relevant information determined by the utility.

SCE has instituted an engagement survey process to capture feedback from State and county public safety partners and critical infrastructure customers during PSPS events. SCE encourages these stakeholders to provide survey feedback in daily coordination calls and emails links to the engagement survey once the event has concluded. One participant completed SCE's engagement survey; they rated the engagement with SCE as positive as detailed in the tables below.

Agency Type (Single Choice)

What type of agency do you represent?

Total: 1 response

	Total
Total	1
1 Emergency Management	0%
2 Fire	0%
3 Law	0%
4 Local government	0%
5 State government	0%
6 Telecommunications	0%
7 Tribal government	0%
8 Waste-Water	0%
9 Water	0%
10 Other type of agency	100%

Overall Engagement Rating (Single Choice)

How would you rate our overall engagement with you during this PSPS event?

By engagement we mean all our interactions with you (i.e., across all briefings, your SCE emergency management contact(s), and the SCE portal) and the information we shared with you during all those interactions.

Total: 1 response

	Total
Total	1
1 Poor	0%
2 Fair	0%
3 Average	0%
4 Good	100%
5 Excellent	0%

Appendix

Attachment A-Public Safety Partner and Customer Notification Scripts

Initial (72-hour) LNO Notification

Description:

Sent one time per county, preferably starting 72 hours in advance of a possible PSPS event, when possible, alerting contacts that our weather specialists forecast potential extreme weather ahead. Includes the Situational Awareness (SA) spreadsheet with information about weather event timing and circuits and locations that could be impacted. Sent to all impacted jurisdictions and other LNO contacts, grouped by county.

Notification Subject Line and Message

SCE Initial Notice for PSPS Event in COUNTY NAME on [start POC DATE].

Public Safety Power Shutoff initial notification for official use: Due to projected fire weather conditions, we may need to shut off power in high fire risk areas in COUNTY NAME. Please refer to the attached spreadsheet for status and periods of concern for specific circuits.

We are working to reduce the number of customers affected and weather patterns might change, so **not all circuits on the watch list will have their power shut off.**

Customers on the affected circuits will be notified starting two days before the forecasted start date, however the maps on sce.com/pmps will reflect this information today.

We have set up an incident management team for this event including in-house meteorologists, fire scientists, liaison and public information officers, and other technical staff.

Recommended Language to Share with the Public: *SCE is forecasting dangerous wind-driven fire conditions starting in the next three days and might need to shut off power during this time. For more information, visit sce.com/PSPS.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at [sce.com/PSPS](https://www.sce.com/PSPS) starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at [sce.com/outages](https://www.sce.com/outages).

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: [sce.com/maps](https://www.sce.com/maps).

Weather conditions: [sce.com/fireweather](https://www.sce.com/fireweather).

Post-PSPS reports: [sce.com/psps](https://www.sce.com/psps).

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please DO NOT share with the public)

First Responders and Emergency Managers:

Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--

Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please DO share this information via web and social media).

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: [sce.com/PSPS](https://www.sce.com/PSPS)

Non-PSPS outages: [sce.com/outages](https://www.sce.com/outages)

Update customer contact information: [sce.com/pspsalerts](https://www.sce.com/pspsalerts).

Updated Conditions (Update) Notification

Description:

Sent once daily after the Initial Notification to provide updates as the period of concern approaches. Includes the Situational Awareness (SA) spreadsheet with information about weather event timing and circuits and locations that could be/are impacted. Sent to all impacted jurisdictions, grouped by county.

Notification Subject Line and Message:

SCE Update Notice for PSPS Event in [County Name].

Public Safety Power Shut-Off update notification for official use: We are providing ongoing information and periods of concern for PSPS circuits in [County Name], based on updated weather reports. A complete list, including both the forecasted start and end times for all circuits is attached.

Customers on the affected circuits are being updated if they are within two days of the period of concern, or if there has been a change to their status. The map on sce.com/psps is being continually updated to reflect current status.

Information about Community Resource Centers and Community Crew Vehicles will be available one day in advance of the period of concern at sce.com/psps.

Recommended Language to Share with the Public: *SCE is forecasting dangerous wind-driven fire conditions and might need to shut off power. For more information, visit sce.com/PSPS.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at sce.com/PSPS starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at sce.com/outages.

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: sce.com/maps.

Weather conditions: sce.com/fireweather.

Post-PSPS reports: sce.com/psps.

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please DO NOT share with the public)

First Responders and Emergency Managers:

Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--
Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please DO share this information via web and social media).

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: sce.com/PSPS

Non-PSPS outages: sce.com/outages

Update customer contact information: sce.com/pspsalerts.

Expected De-Energize Notification (previously: Imminent De-Energization)

Description:

Sent up to 4 hours in advance of expected power shut off, when possible, for specific circuit(s). No spreadsheet attachment, all content is on the body of the notification. Sent to all impacted jurisdictions.

Note: as of 5/15/2021 we still don't have a way to eliminate duplicate notifications when a circuit crosses county lines – all jurisdictions are included with each notification sent for a circuit.

Notification Subject Line and Message:

SCE Expected Shutoff Notice for PSPS Event in County Name.

Public Safety Power Shutoff update notification for official use: SCE may need to shut off power in the next 4 hours to reduce the risk of wildfire ignition. Areas that may be impacted include:

Circuit: [CIRCUIT name]

County:

Segment: [if listed]

Incorporated City of:

Unincorporated County Area:

Shutoffs may occur earlier or later depending on actual weather conditions.

This notice expires after 4 hours; however, the listed circuit(s) will remain on the watch list and will be subject to PSPS until the conclusion of this weather event.

Customers on the affected circuits are being notified. Information about Community Resource Centers and Community Crew Vehicles is available at sce.com/psps.

Recommended Language to Share with the Public: *Due to current weather conditions increasing the risk of wildfires, SCE may shut off power on specific circuits within the next 4 hours to protect public safety. Visit sce.com/PSPS for more information about the shutoffs and SCE's available customer care options.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at sce.com/PSPS starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a

weather-related or repair outage in the same area. These are mapped and listed at [sce.com/outages](https://www.sce.com/outages).

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: [sce.com/maps](https://www.sce.com/maps).

Weather conditions: [sce.com/fireweather](https://www.sce.com/fireweather).

Post-PSPS reports: [sce.com/psp](https://www.sce.com/psp).

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please DO NOT share with the public)

First Responders and Emergency Managers:

Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--

Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please DO share this information via web and social media).

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: [sce.com/PSPS](https://www.sce.com/PSPS)

Non-PSPS outages: [sce.com/outages](https://www.sce.com/outages)

Update customer contact information: [sce.com/pspsalerts](https://www.sce.com/pspsalerts).

Shutoff Notification (De-energization notification)

Description:

Sent after a PSPS power shut off has been authorized for specific circuit(s). No spreadsheet attachment, all content is on the body of the notification. In 2021 these no longer include the official date/time of the de-energization. Sent to all impacted jurisdictions, grouped by County.

Notification Subject Line and Message:

SCE Shutoff Notice for PSPS Event on [CIRCUIT NAME] Circuit in [COUNTY NAME].

Public Safety Power Shutoff update notification for official use: SCE is shutting off power to reduce the risk of wildfire ignition.

Impacted circuits and locations are:

Circuit: [CIRCUIT name]

County: [COUNTY NAME].

Segment: *If entered in Pega*

Incorporated City of: [Incorporated City]

Unincorporated County Area: [unincorporated area description]

SCE is notifying customers who are being shut off. The map on sce.com/pmps are being updated to reflect the current PSPS outages. [Information about Community Resource Centers and Community Crew Vehicles is available at sce.com/pmps.](#)

When weather conditions improve, crews will inspect and repair the lines and restore power. Typically power is restored 3 to 8 hours after the end of the weather event.

Recommended Language to Share with the Public: *Power has been shut off as part of public safety power shutoffs in our area. Please remember that all non-working traffic lights should be considered 4-way stop signs. Visit sce.com/PSPS for more information about the shutoffs and SCE's available customer care options.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at sce.com/PSPS starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at sce.com/outages.

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: [sce.com/maps](https://www.sce.com/maps).

Weather conditions: [sce.com/fireweather](https://www.sce.com/fireweather).

Post-PSPS reports: [sce.com/psps](https://www.sce.com/psps).

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please DO NOT share with the public)

First Responders and Emergency Managers:

Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--

Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please DO share this information via web and social media).

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: [sce.com/PSPS](https://www.sce.com/PSPS)

Non-PSPS outages: [sce.com/outages](https://www.sce.com/outages)

Update customer contact information: [sce.com/pspsalerts](https://www.sce.com/pspsalerts).

Patrol and Inspection (formerly: imminent re-en)

Description:

Sent once inspections are underway and with 1-hour advance notice of expected power restoration, when possible, for specific circuit(s). No spreadsheet attachment, all content is on the body of the notification. Sent to all impacted jurisdictions, grouped by County.

Notification Subject Line and Message:

SCE is inspecting [CIRCUIT NAME] Circuit in [COUNTY NAME] for PSPS restoration.

Public Safety Power Shutoff update notification for official use: Our crews are inspecting the following circuits or circuit segments to restore power as soon as it is safe to do so:

Circuit: [CIRCUIT name]

Segment(s): *if entered in Pega*

Incorporated City: [incorporated city]

Unincorporated County Area: [unincorporated area description]

Typically, power is restored in 3-8 hours. Exceptions include circuits in remote areas and circuits that have sustained significant damage.

SCE is notifying customers. The map on sce.com/psps will be updated to reflect the current status.

Recommended Language to Share with the Public: *SCE is inspecting its lines and, in most cases, will restore power within 3-8 hours. Exceptions include circuits in remote areas and circuits that have sustained significant damage. Please remember to treat all traffic lights that are out as 4-way stops. Visit sce.com/PSPS for more information.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at sce.com/PSPS starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at sce.com/outages.

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: sce.com/maps.

Weather conditions: sce.com/fireweather.

Post-PSPS reports: sce.com/psp.

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please DO NOT share with the public)

First Responders and Emergency Managers:

Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--

Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. Note: Only monitored during emergency activations.

SCE Contact Information for the Public: (Please DO share this information via web and social media).

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: sce.com/PSPS

Non-PSPS outages: sce.com/outages

Update customer contact information: sce.com/pspsalerts.

Restore Notification (formerly: RE-ENERGIZE)

Description:

Sent after a PSPS re-energization has occurred for specific circuit(s). No spreadsheet attachment, all content is on the body of the notification. Sent to all impacted jurisdictions, grouped by County.

Notification Subject Line and Message:

Important: SCE Restoration Notice for PSPS Event on [CIRCUIT NAME] Circuit in [COUNTY NAME].

Public Safety Power Shutoff update notification for official use:

SCE crews have restored power on the following circuit or circuit segments:

Circuit: [CIRCUIT name]

Segment(s): *if entered in Pega*

Incorporated City: [incorporated city]

Unincorporated County Area: [unincorporated area description]

SCE is also notifying customers that power has been turned back on.

Recommended Language to Share with the Public: *SCE has restored power that was shut off during the PSPS event. Visit [sce.com/PSPS](https://www.sce.com/PSPS) for more information. If your power is out, visit [sce.com/outages](https://www.sce.com/outages).*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at [sce.com/PSPS](https://www.sce.com/PSPS) starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at [sce.com/outages](https://www.sce.com/outages).

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: [sce.com/maps](https://www.sce.com/maps).

Weather conditions: [sce.com/fireweather](https://www.sce.com/fireweather).

Post-PSPS reports: [sce.com/psps](https://www.sce.com/psps).

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please **DO NOT share with the public)**

First Responders and Emergency Managers:

Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--

Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please **DO share this information via web and social media).**

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: sce.com/PSPS

Non-PSPS outages: sce.com/outages

Update customer contact information: sce.com/pspsalerts.

Event Concluded Notification

Example 1: Use when ALL circuits have been restored. If any remain off, use Example 2, below.

Note: this is not a county-specific “all clear.” The automation system figures out all the jurisdictions that were notified during a specific activation and sends to each of them a finaly event all-clear.. **This is a single last activity performed at the end of the activation that includes all involved in the activation that the event is over. DO NOT send this notification while a PSPS activation is still in progress -- it will incorrectly tell ALL jurisdictions that the event is over!**

Notification Subject Line and Message:

SCE PSPS Event Concluded in [COUNTY NAME].

Public Safety Power Shutoff update notification for official use:

Power has been restored to all customers in [county name.] and the PSPS event has concluded,

Recommended Language to Share with the Public: *The public safety power shutoff in your area has concluded. If your power is still out, please visit [sce.com/outages](https://www.sce.com/outages) for more information.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE’s ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCELiaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE’s forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at [sce.com/PSPS](https://www.sce.com/PSPS) starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at [sce.com/outages](https://www.sce.com/outages).

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: [sce.com/maps](https://www.sce.com/maps).

Weather conditions: [sce.com/fireweather](https://www.sce.com/fireweather).

Post-PSPS reports: [sce.com/psps](https://www.sce.com/psps).

REST service (web-based password-protected access to GIS layers), contact: SCERestInfo@sce.com

SCE Contact Information for Public Officials only (Please **DO NOT share with the public)**

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Phone: Business Resiliency Duty Manager 24/7 hotline: **(800) 674-4478**

Email: Business Resiliency Duty Manager/emergencies: BusinessResiliencyDutyManager@sce.com--

Only monitored during emergency activations.

Government/tribal officials:

Phone: Liaison (government relations) 24/7 hotline: 800-737-9811. Only monitored during emergency activations.

Email: SCELiaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please **DO share this information via web and social media).**

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: sce.com/PSPS

Non-PSPS outages: sce.com/outages

Update customer contact information: sce.com/pspsalerts.

Example 2: Use when most circuits have been restored but one or more circuit remains de-energized. **Note: this is not a county-specific "all clear." When the POC has passed but some circuits remain out, most typically because of 1) delays in patrol (for example requiring air-ops), 2) significant repairs required, or 3) access prohibited by fire crews. Those circuits may be transitioned to Operations and closed out from a PSPS standpoint. That information is included in the Event Concluded notification, indicating power is not fully restored for that circuit(s). **DO NOT send this notification while a PSPS activation is still in progress -- it will incorrectly tell ALL jurisdictions that the event is over!****

Notification Subject Line and Message:

SCE PSPS Event Concluded Notice for [COUNTY NAME].

Public Safety Power Shutoff update notification for official use:

The PSPS event has concluded, however some customers in [county name] remain without power.

Repairs and restoration for these customers will be handled by SCE's regular grid operations:

Circuit:

Segments:

Incorporated City of:

Unincorporated County Area:

Reason for continued outage:

Recommended Language to Share with the Public: *The public safety power shutoff in your area has concluded, however some customers remain without power. If your power is still out, please visit sce.com/outages for more information.*

Message cadence: The SCE Liaison Officer provides a rolling three-day advance warning of potential PSPS events, when possible, and sends update notifications every day. We will also notify you with time-sensitive shutoff and restoration information at the circuit level. Sudden weather changes may impact SCE's ability to provide advanced notice: a shutoff could occur sooner than anticipated.

Spreadsheet content: All circuits currently on the watch list in your county are listed in the attached spreadsheet. As the weather forecast becomes more exact, additional circuits could be

added or removed from our watch lists. Circuits marked *Updated Period of Concern* in the Circuit Notification Status column will have new periods of concern or other changed status. Definitions are on the second tab of the spreadsheet. Please email SCEliaisonOfficer@sce.com with concerns or questions about the spreadsheet.

Weather forecasting: SCE's forecasting relies on in-house meteorologists and fire scientists. SCE may notify for a potential PSPS in advance of Red Flag Warnings being declared by the National Weather Service, and weather forecasts on radio and television may provide different information.

Online outage information: Information and maps are available at sce.com/PSPS starting three days before the forecasted start date. If an outage does not appear on the PSPS map, it might be a weather-related or repair outage in the same area. These are mapped and listed at sce.com/outages.

For More Information:

[Public Safety Partner Portal](#) (available June 1, 2021)

PDFs of High Fire Risk Area (HFRA) circuit maps and GIS layers: sce.com/maps.

Weather conditions: sce.com/fireweather.

Post-PSPS reports: sce.com/psps.

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Email: SCEliaisonOfficer@sce.com. **Note: Only monitored during emergency activations.**

SCE Contact Information for the Public: (Please DO share this information via web and social media).

Outage-specific customer service issues: 800-611-1911

Billing and service inquiries: 800-684-8123

PSPS event status: sce.com/PSPS

Non-PSPS outages: sce.com/outages

Update customer contact information: sce.com/pspsalerts.

PSPS Variable Notification Templates-Customers
11/18/2021 Activation

1 | Initial Notification

TEXT/SMS

SCE Safety Outage Alert: High winds and fire conditions are forecasted in your area from ^Day of week^ ^morning/afternoon/evening^ through ^End Day of week^ ^morning/afternoon/evening^. We may have to shut off your power to decrease risk of dangerous wildfires. We are working to reduce the number of customers affected. We'll keep you updated so you know whether your power will be shut off. Visit sce.com/pmps for the latest information. For downed power lines, call 911. View in more languages: www.sce.com/PSPSInitial Please reply with 1 to confirm receipt of this message.

VOICE

Important SCE safety outage alert. To continue in English, press 1. [Spanish press 2], all other languages press 3.... High winds and fire conditions are forecasted in your area from ^Day of week^ ^morning/afternoon/evening^ through ^End Day of week^ ^morning/afternoon/evening^. We may have to shut off your power to decrease risk of dangerous wildfires. We are working to reduce the number of customers affected. We'll keep you updated so you know whether your power will be shut off. Visit [sce dot com slash pmps](http://sce.com/pmps) for the latest information. If you see a downed power line call 911.

EMAIL

Subject: SCE Safety Outage Initial Notification: Public Safety Power Shutoff (PSPS)
From: do_not_reply@scewebservices.com Southern California Edison

For more information on PSPS in your preferred language, click below:

[ESPAÑOL](#)

1-800-441-2233

[한국어](#)

1-800-628-3061

[中文](#)

1-800-843-8343

[TIẾNG VIỆT](#)

1-800-327-3031

[TAGALOG](#)

1-800-655-4555

[MORE LANGUAGES](#)

Important Safety Message from Southern California Edison:

High winds and dangerous fire conditions are forecasted in your area from **^Day of week^ ^morning/afternoon/evening^** through **^End Day of week^ ^morning/afternoon/evening^**. We may have to shut off your power to decrease risk of dangerous wildfires. We are working to reduce the number of customers affected. We'll keep you updated so you know whether your power will be shut off.

This alert applies to the following address(es):

Customer Address

Service Account

Meter Number

Rate

- For the latest updates, outage map, and information about customer care services, visit sce.com/psps.
- For information about preparing for a power outage, visit sce.com/safety/family/emergency-tips.
- REMEMBER: If you see a downed power line call 911 first, and then notify SCE at 1-800-611-1911.

Thank you for your patience as we work to keep your community safe!

4| Imminent Shutdown
PSPS EXPECTED 1-4 HOURS BEFORE SHUTOFF

TEXT/SMS

SCE Safety Outage Alert: It's likely we will need to shut off your power in the next 4 hours due to wind-driven fire conditions in your area. Conditions could last through **^End Day of week^ ^morning /afternoon /evening^**. We'll keep you updated and notify you again at the time of shutoff if we need to shut off your power. Weather could affect shutoff timing and wind-related outages may also occur. Thanks for your patience. Visit sce.com/pmps for the latest information and availability of community resources. For downed power lines, call 911. View in more languages: www.sce.com/PSPSExpected
Please reply with 1 to confirm receipt of this message.

VOICE

Important SCE safety outage alert. To continue in English, press 1. [Spanish press 2], all other languages press 3.... It's likely we will need to turn off your power in the next 4 hours due to wind-driven fire conditions in your area. Conditions could last through **^End Day of week^ ^morning /afternoon /evening^**. We'll keep you updated and notify you again at the time of shutoff if we need to turn off your power. Weather could affect shutoff timing and wind-related outages may also occur. Thank you for your patience. Visit [sce dot com slash pmps](http://sce.com/pmps) for the latest information and availability of community resources. If you see a downed power line call 911.

EMAIL

Subject: SCE Safety Outage Alert: Expected Public Safety Power Shutoff (PSPS)
From: do_not_reply@scewebservices.com Southern California Edison

For more information on PSPS in your preferred language, click below:

[ESPAÑOL](#)

1-800-441-2233

[한국어](#)

1-800-628-3061

[中文](#)

1-800-843-8343

[TIẾNG VIỆT](#)

1-800-327-3031

[TAGALOG](#)

1-800-655-4555

[MORE LANGUAGES](#)

Important Safety Message from Southern California Edison:

It's likely we will need to turn off your power in the next 4 hours due to wind-driven fire conditions in your area. Conditions could last through **^End Day of week^ ^morning /afternoon /evening^**. We continue working to reduce the number of customers affected. We'll keep you updated and notify you again at the time of shutoff if we need to turn off your power. Weather could affect shutoff timing and wind-related outages may also occur.

We understand this is inconvenient. We appreciate your patience as we work to keep your community safe.

This alert applies to the following address(es):

Customer Address

Service Account

Meter Number

Rate

For the latest updates, outage map, and availability of community resources, visit sce.com/psps.

For information about preparing for a power outage, visit sce.com/safety/family/emergency-tips.

REMEMBER: If you see a downed power line, call 911 first, and then notify SCE at 1-800-611-1911.

Thank you again for your continued patience as we work to keep your community safe!

5 | De-Energized

SMS/TEXT

SCE Start of Shutoff Alert: We are temporarily shutting off your power due to high risk of wind-driven wildfire in your area. These conditions could last through **^End Day of week^ ^morning/ afternoon/ evening^**. We will restore your power as soon as it's safe. Restoration typically takes 3-8 hours but could take longer if there is damage in your area. Remember to turn off or unplug appliances or equipment that may start automatically when power is restored. Thanks for your patience. Visit sce.com/pmps for the latest information and availability of community resources. For downed power lines, call 911. View in more languages: www.sce.com/PSPSshutoff Please reply with 1 to confirm receipt of this message.

VOICE

Important SCE safety outage alert. To continue in English, press 1. [Spanish press 2], all other languages press 3.... We are temporarily shutting off your power due to high risk of wind-driven wildfire in your area. These conditions could last through **^End Day of week^ ^morning/ afternoon/ evening^**. We will restore your power as soon as it's safe. Restoration typically takes 3 to 8 hours but could take longer if there is damage in your area. Remember to turn off or unplug appliances or equipment that may start automatically when power is restored. Thank you for your patience. Visit [sce dot com slash pmps](http://sce.com/pmps) for the latest information and availability of community resources. If you see a downed power line call 911.

EMAIL

Subject: SCE Safety Outage Alert: Start of Public Safety Power Shutoff (PSPS)
From: do_not_reply@scewebservices.com Southern California Edison

For more information on PSPS in your preferred language, click below:

[ESPAÑOL](#)

1-800-441-2233

[한국어](#)

1-800-628-3061

[中文](#)

1-800-843-8343

[TIẾNG VIỆT](#)

1-800-327-3031

[TAGALOG](#)

1-800-655-4555

[MORE LANGUAGES](#)

Important Safety Message from Southern California Edison:

We are temporarily shutting off your power due to high risk of wind-driven wildfire in your area. These conditions could last through **^End Day of week^ ^morning/ afternoon/ evening^**. We will restore your power as soon as it's safe. Restoration typically takes 3-8 hours but could take longer if there is damage in your area. Please remember to turn off or unplug appliances or equipment that may start automatically when power is restored. We will update you as conditions change.

This alert applies to the following address(es):

Customer Address

Service Account
Meter Number
Rate

For the latest information, outage map, and availability of community resources, visit sce.com/psps.

REMEMBER: If you see a downed power line, call 911 first and then notify SCE at 1-800-611-1911.

We understand this is inconvenient. We appreciate your continued patience as we work to keep your community safe.

7 | PREPARING TO RE-ENERGIZE (IMMINENT RESTORATION)

SMS/TEXT

SCE PSPS Safe Restoration Alert: We're working to restore power in your area now that winds have died down. This typically takes 3-8 hours but could take longer if there is damage in your area. We will alert you again when your power comes back on. Please turn off or unplug appliances or equipment that may start automatically when power is restored and inspect your property for downed power lines. Visit sce.com/psps for the latest information and availability of community resources. For downed power lines, call 911. Thank you for your patience as we work to keep your community safe. View in more languages: www.sce.com/PSPSPrepRestore Please reply with 1 to confirm receipt of this message.

VOICE

Important SCE safe restoration alert. To continue in English, press 1. [Spanish press 2], all other languages press 3... We're working to restore power in your area now that winds have died down. This process typically takes 3 to 8 hours but could take longer if there is damage in your area. We will alert you again when your power comes back on. Please turn off or unplug appliances or equipment that may start automatically when power is restored and inspect your property for downed power lines. If you see a downed power line stay away and call 911. For more information on the restoration process and availability of community resources, please visit [sce dot com slash psps](http://sce.com/psps). Thank you for your patience as we work to keep your community safe.

EMAIL

Subject: SCE PSPS Safe Restoration Alert: Power will be Restored Soon
From: do_not_reply@scewebservices.com Southern California Edison

For more information on PSPS in your preferred language, click below:

[ESPAÑOL](#)

1-800-441-2233

[한국어](#)

1-800-628-3061

[中文](#)

1-800-843-8343

[TIẾNG VIỆT](#)

1-800-327-3031

[TAGALOG](#)

1-800-655-4555

[MORE LANGUAGES](#)

Important Safety Message from Southern California Edison:

We're working to restore power in your area now that winds have died down. This process typically takes 3-8 hours but could take longer if there is damage in your area. We will alert you again when your power comes back on. Please turn off or unplug appliances or equipment that may start automatically when power is restored and inspect your property for downed power lines. If you see a downed power line, stay away, and call 911 first, then report it to SCE at 1-800-611-1911.

This alert applies to the following address(es):

Customer Address

Service Account

Meter Number

Rate

For more information on SCE's restoration process and availability of community resources, please visit sce.com/psps.

We understand that Public Safety Power Shutoff events can be disruptive and thank you for your patience as we work to keep your community safe.

9-A | PSPS ENDED - RESTORED & ALL CLEAR [NO MORE RISK OF PSPS]

SMS/TEXT

SCE PSPS Safe Restoration Alert: We were able to restore power in your area and end this Public Safety Power Shutoff due to improved weather conditions. If your power is still off, please call 1-800-611-1911 or visit sce.com/outage. We understand that safety outages are inconvenient and thank you for your patience. View in more languages: www.sce.com/PSPSEnded Please reply with 1 to confirm receipt of this message. Please reply with 1 to confirm receipt of this message.

VOICE

Important SCE safe restoration alert... To continue in English, press 1. [Spanish press 2], all other languages press 3.... We were able to restore power in your area and end this Public Safety Power Shutoff due to improved weather conditions. If your power is still off, please call 1-800-611-1911 or visit [sce dot com slash outage](http://sce.com/slash/outage). We understand that safety outages are inconvenient and thank you for your patience.

EMAIL

Subject: SCE PSPS Safe Restoration Alert: All Power Restored
From: do_not_reply@scewebservices.com Southern California Edison

For more information on PSPS in your preferred language, click below:

[ESPAÑOL](#)

1-800-441-2233

[한국어](#)

1-800-628-3061

[中文](#)

1-800-843-8343

[TIẾNG VIỆT](#)

1-800-327-3031

[TAGALOG](#)

1-800-655-4555

[MORE LANGUAGES](#)

Important Safety Message from Southern California Edison:

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

This alert applies to the following address(es):

Customer Address

Service Account

Meter Number

Rate

For more information about PSPS and wildfire safety, please visit sce.com/psps.

Attachment B-Quantitative and Qualitative Factors in PSPS Decision-Making Technical Paper

PUBLIC SAFETY POWER SHUTOFF:

DECISION-MAKING

**PUBLIC SAFETY POWER SHUTOFFS
ARE A TOOL OF LAST RESORT TO
PROTECT OUR COMMUNITIES
FROM THE THREAT OF WILDFIRE.**



**FOR EACH
PSPS**

1 IS THIS SHUTOFF NEEDED TO PROTECT PUBLIC SAFETY?

2 CAN WE SAFELY REDUCE THE NUMBER OF CUSTOMERS WHO LOSE POWER?



We consider PSPS 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 our wires and equipment could cause a fire with the potential to spread rapidly.

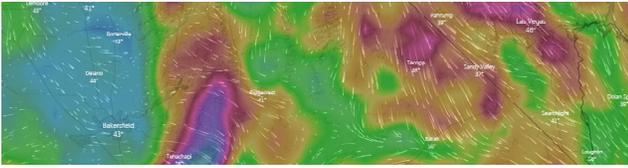


-5 DAYS FORECASTING

-3 DAYS FORECASTING

-2 DAYS FORECASTING

DAY OF THE
PSPS EVENT



Our meteorologists and fire scientists continue to review weather conditions, using both internal and external weather models and National Weather Service forecasts, alerts and warnings.



The PSPS Incident Management Team develops a list of circuits that could be impacted. We speak with county offices of emergency management to discuss any public safety issues.



The team is led by an incident commander. Incident commanders undergo continual training for this role and are responsible for all shutoff decisions.

! DECISION POINT

If the weather report is inconclusive, we will wait for additional weather reports or field assessments before we notify customers. We confer with the National Geographic Area Coordination Center (GACC) about fire danger risk.

! DECISION POINT

The PSPS Incident Management Team reviews options for supplying customers with power from different circuits to keep them energized.



Field crews look for factors that could increase the risk of fire such as existing damage or other hazards to poles and wires.



-5 DAYS FORECASTING

-3 DAYS FORECASTING

-2 DAYS FORECASTING

DAY OF THE
PSPS EVENT

DECISION POINT

The Incident Management Team looks at twice-daily weather reports to see if the weather pattern has shifted. As the forecast becomes more precise, we update the list of circuits that might be impacted. If the weather pattern has weakened, or shifted outside of high fire risk areas, we will cancel the event.

We notify customers. We try to visit our Critical Care and Medical Baseline customers who rely on life-saving medical equipment to confirm they have been informed about the event.



-5 DAYS FORECASTING

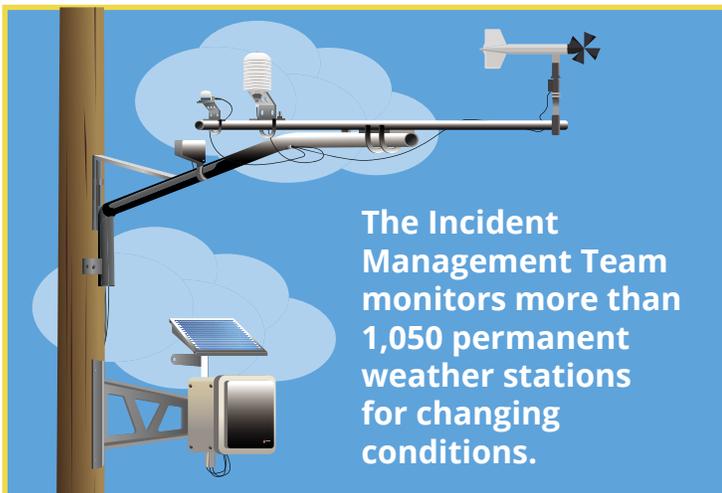
-3 DAYS FORECASTING

-2 DAYS FORECASTING

DAY OF THE
PSPS EVENT

3-6 Hours: Before the winds are forecasted to hit peak speeds, the Incident Management Team begins monitoring conditions. A team, including experts in grid operations, meteorology and fire science, advise the incident commander, who will make the final decisions to shut off power.

The Incident Management Team monitors more than 1,050 permanent weather stations for changing conditions.



As the winds increase, field crews provide mobile weather station reports and report flying debris or other hazards.



-5 DAYS FORECASTING

-3 DAYS FORECASTING

-2 DAYS FORECASTING

DAY OF THE
PSPS EVENT



DECISION POINT

Weather:

Every 10 minutes, weather station readings are updated for each circuit. Meteorologists identify weather trends that could slow or speed up decision-making.



DECISION POINT

Grid Operations:

The team looks for opportunities to turn off individual segments of a circuit to keep the rest of the circuit powered.



DECISION POINT

Recommendation:

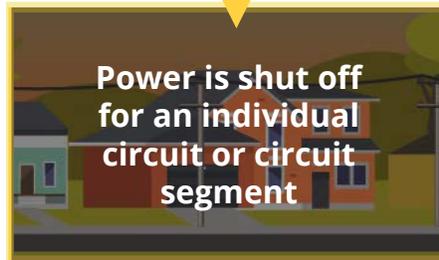
The lead PSPS operator recommends shutting off power to a circuit or segment when wind speeds are about to hit or exceed our predetermined threshold for unsafe conditions, or field crews advise of an urgent hazard in the field.



DECISION POINT

Authorization:

The incident commander reviews the recommendation and asks follow-up questions, if necessary, before approving the decision.



AS THE WINDS DIE DOWN,
POWER IS RESTORED TO
ALL CUSTOMERS

When dangerous winds diminish, field crews inspect the lines that had been shut off. Usually, this is done by crews in utility trucks. If there is no damage to the lines, electricity will be restored immediately. The average time for restoration in 2020 was five to six hours, excluding lines that were damaged or required air or foot patrol. Some of these patrols will take longer because they must be done in daylight hours.

Attachment C-PSPS Event Data Workbook (Excel File Under Separate Cover)

Officer Verification

I am an officer of the applicant corporation herein and am authorized to make this verification on its behalf. I am informed and believe that the matters stated in the foregoing document are true.

I declare under penalty of perjury that the foregoing is true and correct. Executed this 8th day of December 2021 in Cerritos, California

DocuSigned by:

086543934F1F406...

Erik Takayesu
Vice President,
Asset Strategy & Planning

Appendix A

11.21.2021 Public Safety Power Shutoff Post-Event Report Data

FILE DESCRIPTION

This file includes all tables from the Post Event Report submitted following the De-energization Event.

TABLE OF CONTENTS

SECTION 01: Executive Summary

SECTION 02: Decision Making Process

Table 02: Factors Considered in De-Energization

Table 03: Circuit Thresholds

Table 04: PSPS Risk vs. Benefit Comparison Tool

SECTION 03: De-Energized Time, Place, Duration and Customers

Table 05: Circuits De-Energized

SECTION 04: Damage and Hazards to Overhead Facilities

SECTION 05: Notifications

Table 08: Notification Timeline

Table 10: Breakdown of Notification Failures

SECTION 06: Local and State Public Safety Partner Engagement

Table 11: Public Safety Partners Contacted

Table 12: Entities Invited to SCE Emergency Operations Center

SECTION 07: Complaints and Claims

Table 13: Count and Nature of Complaints Received

Table 14: Count and Type of Claims Received

SECTION 08: Power Restoration Timeline

SECTION 09: Community Resource Centers

Table 16: Community Resource Centers Center Address

SECTION 11: Lessons Learned

SECTION 02: Decision Making Process

Factors Considered in De-Energization

Circuit De-energized	Segment	Sustained Wind Speed			Gust Wind Speed			Fire Potential Index (FPI)		Firecast Output Ratio
		Threshold	De-energization Threshold	Actual	Threshold	De-energization Threshold	Actual	Threshold	Actual	
BADGER	2	31	39	34.5	46	50	50.6	13	13.18	65.167969
CALSTATE	2	31	40	39.4	46	58	57.9	12	13.12	439.42613
CASTRO	Partial 4	29	27	33.7	46	41	47.4	12	12.82	85.662148



SCE Post-Event Report Data

November 18, 2021 to November 22, 2021

SECTION 02: Decision Making Process

Circuit Thresholds

Circuit	FPI Threshold Rating	Wind Speed Thresholds		De-Energization Thresholds	
		Sustained Wind	Gust Wind	Sustained Wind	Gust Wind
BADGER	13	31	46	39	50
CALSTATE	12	31	46	40	58
CASTRO	12	29	46	27	41
CUTHBERT	12	31	46	29	44
ENERGY	12	31	46	28	41
GUITAR	13	31	46	30	45
HONEYCRISP	13	29	42	25	37

SECTION 02: Decision Making Process

PSPS Risk vs. Benefit Comparison Tool

Circuit	All Customers	Population	AFN/NRCI Multiplier	24 Hour CMI (24 x 60)	Firecast Acres	Firecast Buildings	Firecast Population	PSPS Risk (24 hr Impact-PSPS Model)	Wildfire Risk (24hr Impact-PSPS Model)	Firecast Output Ratio
ACOSTA	1227	3681	1.25	1440	6010.11	1477	5566	0.00025974	0.100434876	386.672
AMETHYST	1516	4548	1.1	1440	1748.5	1593	5197	0.00031743	0.10231353	322.323
ANTON	298	894	1.21	1440	7351.65	856	1676	0.00006292	0.047502741	755.03

SECTION 03: De-Energized Time, Place, Duration and Customers

Circuits De-Energized

County	Circuit Name	Segment Number	De-energization Date	De-energization Time (2400)	All Clear Declaration Date	All Clear Declaration Time (2400)	Restoration Date	Restoration Time (2400)	GO 95, Tier HFTD Tier(s) 1,2,3	Distribution / Transmission Classification
Ventura	Castro	Partial 4	11/21/21	0541	11/21/21	1352	11/21/21	1451	Tier 3	Distribution
Ventura	Morganstein	1	11/21/21	1047	11/21/21	1236	11/21/21	1321	Tier 3	Distribution
Ventura	Morganstein	2,3	11/21/21	1047	11/21/21	1236	11/21/21	1545	Tier 3	Distribution
Ventura	Ricardo	2	11/21/21	1113	11/21/21	1622	11/21/21	1928	Tier 2,3	Distribution
Ventura	Ricardo	Partial 2	11/21/21	1113	11/21/21	1622	11/21/21	2322	Tier 2,3	Distribution
San Bernardino	Badger	2	11/21/21	0922	11/21/21	1432	11/21/21	1517	Tier 2	Distribution
San Bernardino	Calstate	2	11/21/21	0920	11/22/21	0437	11/22/21	0705	Tier 2,3	Distribution
San Bernardino	Impala	Partial 4	11/21/21	0940	11/21/21	0950	11/21/21	1210	Tier 2,3	Distribution
San Bernardino	Impala	3	11/21/21	0940	11/22/21	0437	11/22/21	1235	Tier 2,3	Distribution
San Bernardino	Impala	4	11/21/21	0940	11/22/21	0437	11/22/21	1345	Tier 2,3	Distribution
San Bernardino	Sutt	5	11/21/21	0718	11/22/21	0437	11/22/21	0908	Tier 2,3	Distribution
San Bernardino	Sutt	Partial 5	11/21/21	0718	11/22/21	0437	11/22/21	1306	Tier 2,3	Distribution
Riverside	Honeycrisp	1, Partial 2	11/21/21	1255	11/21/21	2045	11/21/21	2215	Tier 2	Distribution
Riverside	Steel	1	11/21/21	0951	11/21/21	2257	11/22/21	0233	Tier 2,3	Distribution
Los Angeles/Ventura	Energy	7,8,9	11/21/21	0612	11/22/21	0538	11/22/21	1221	Tier 3	Distribution
Los Angeles/Ventura	Guitar	6	11/21/21	2012	11/22/21	0538	11/22/21	1113	Tier 3	Distribution
Los Angeles	Cuthbert	3	11/21/21	0943	11/21/21	1103	11/21/21	1147	Tier 3	Distribution
Los Angeles	Cuthbert	2,4,5,6,7,8,9	11/21/21	0943	11/21/21	1103	11/21/21	1517	Tier 3	Distribution
Los Angeles	Cuthbert	1	11/21/21	0943	11/21/21	1103	11/21/21	1938	Tier 3	Distribution
Los Angeles	Cuthbert	Partial 3	11/21/21	0943	11/21/21	1103	11/22/21	1230	Tier 3	Distribution
Los Angeles	Sand Canyon	8	11/21/21	2132	11/22/21	0538	11/22/21	1106	Tier 3	Distribution

Customers De-Energized

County	Circuit Name	Segment Number	Residential Customers De-energized	Commercial / Industrial customers De-energized	Medical Baseline customers De-energized	AFN other than MBL customers De-energized	Total customers De-energized	GO 95, Tier HFTD Tier(s) 1,2,3	Other Customers
Ventura	Castro	Partial 4	3	1	0	0	4	Tier 3	N/A
Ventura	Morganstein	1, 2, 3	1844	92	91	0	2027	Tier 3	N/A

Ventura	Ricardo	2	507	12	11	0	532	Tier 2,3	N/A
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SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
Pre-De-Energization (prior)	Initial Notice for PSPS Event	72-48 hours	Public Safety Partners to include State Agencies through the CalOES State Warning Center	11/18/21 17:58	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/18/21 16:24	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/18/21 16:24	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/18/21 16:25	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/18/21 16:25	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/18/21 16:55	N/A
	Update	As Needed	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	N/A	No Notification sent. Not forecasted in scope by 72 hours before de-energization to Enchanted, Morganstein Circuits



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/19/21 16:29	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/19/21 16:30	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/19/21 16:30	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/19/21 16:30	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/20/21 13:54	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/20/21 13:55	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/20/21 13:55	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/20/21 13:56	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/20/21 13:56	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 15:39	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 15:43	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 15:46	N/A
	Initial Notice for PSPS Event	48-24 hours	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/19/21 16:40	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/19/21 16:39	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/19/21 16:38	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	N/A	No Notification sent. Not forecasted in scope by 48 hours before de-energization to Enchanted, Morganstein Circuits
		24-12 Hours	Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	N/A	Notification not sent
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/21 14:30	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/21 14:31	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/21 14:32	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/21 14:33	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/2021 14:38	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/21 14:42	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/21 20:09	N/A
	Imminent De-Energize	4-1 hour (imminent de-energization)	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	N/A	No Notification sent. Not forecasted in scope by 24 hours before de-energization to Enchanted, Morganstein Circuits



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 4:16	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 4:51	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 5:00	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 5:18	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 5:25	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 5:35	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 5:49	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 5:58	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 6:10	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 6:20	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 7:21	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 7:32	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 8:02	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 8:07	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 8:32	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:04	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:04	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:22	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:26	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:00	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:07	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:07	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:08	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:25	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:29	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:29	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:46	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:56	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 11:19	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 11:30	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 11:33	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 11:36	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 11:48	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 13:00	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 22:55	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 4:32	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 6:18	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 7:35	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 8:01	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 8:04	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 8:32	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 9:15	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:01	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:06	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:14	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:26	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:32	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:50	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:56	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 11:24	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 11:35	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 11:40	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 11:45	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 13:04	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 13:03	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 5:17	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 18:18	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 5:26	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 9:02	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 5:58	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 5:02	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 9:32	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 5:41	N/A
In-Event (during)	De-Energized	De-energization Notification	Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:22	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:22	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:43	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:51	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 9:56	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:51	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 11:14	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 13:31	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 20:12	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 21:41	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 6:14	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 6:23	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 6:33	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 7:22	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 9:18	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 9:19	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 9:42	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 9:46	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 9:56	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:45	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 11:19	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 12:55	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 21:03	N/A
	Update	As Needed	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 21:43	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 13:38	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 13:39	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 13:39	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 20:04	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 20:05	N/A
	Imminent Re-Energize	Notification of Inspection for PSPS restoration	Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 20:05	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 12:43	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 13:59	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 14:38	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 16:10	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population		



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 16:30	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 18:13	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 20:54	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 23:01	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 5:27	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 5:28	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 5:28	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 5:28	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 5:53	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 5:55	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 6:11	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:10	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 11:54	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 12:47	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 13:59	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 14:37	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 16:06	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 16:32	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 21:18	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 23:14	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 5:17	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 5:22	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 5:53	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 6:06	N/A
	Re-Energized	Re-energization Notification	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 6:16	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 10:20	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 12:05	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 12:46	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 15:06	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 15:31	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 15:41	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 15:55	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 19:52	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/21/21 22:28	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 2:51	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 8:14	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 9:48	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 11:15	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 11:26	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 12:33	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 12:51	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 13:30	N/A
			Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 13:58	N/A
	Event Ended	Restored and All Clear	Local and Tribal governments and other stakeholders including Public Safety Partners, CCAs and CBOs serving the AFN population	11/22/21 17:09	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 20:47	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 20:53	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 8:26	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 12:14	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 13:00	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 14:02	N/A
	Temporary Restored	Restored and Risk Remains	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 18:46	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 10:22	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 12:11	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 12:54	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 15:05	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 15:29	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/21 15:36	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 15:55	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 19:32	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 19:34	N/A
	Event-Concluded-All Clear	All Clear Notification	Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 19:54	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/19/2021 16:57	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/2021 14:29	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/2021 14:30	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/2021 14:31	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/2021 14:32	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/21/2021 15:49	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 18:56	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/22/21 19:28	N/A
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	11/20/2021 14:31	N/A



SECTION 05: Notifications

Notification Timeline

Event Order	Notification Type	Requirement Timeline	Notification Sent To	Approximate Time Sent	Notes
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	N/A	Notification not sent
			Critical Facilities and Infrastructure customers, including water, wastewater, telcos, and hospitals (a subset of Public Safety Partners) and all other impacted customers	N/A	All clear notification not provided as circuit listed in next event event.

SECTION 05: Notifications

Breakdown of Notification Failures

Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts	Explanation
Public Safety Partners excluding Critical Facilities and Infrastructure	Entities who did not receive 48-to 72-hour advance notification.	17	Not forecasted in scope by 48 hours before de-energization
	Entities who did not receive 1–4-hour imminent notification.	19	Rapidly escalating weather conditions required immediate de-energization, which resulted in notification being sent less than 1 hour before de-energization or (in the case of one circuit) did not receive one at all
	Entities who did not receive any notifications before de-energization.	1	
	Entities who were not notified immediately before re-energization.	0	
	Entities who did not receive cancellation notification within two hours of the decision to cancel.	0	
	Facilities who did not receive 48–72-hour advance notification.	0	

SECTION 05: Notifications

Breakdown of Notification Failures

Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts	Explanation
Critical Facilities and Infrastructure	Facilities who did not receive 1-4 hour of imminent notifications.	5	
	Facilities who did not receive any notifications before de-energization.	0	
	Facilities who were not notified at de-energization initiation.	0	
	Facilities who were not notified immediately before re-energization.	0	
	Facilities who were not notified when re-energization is complete.	0	
	Facilities who did not receive cancellation notification within two hours of the decision to cancel.	0	

SECTION 05: Notifications

Breakdown of Notification Failures

Notifications sent to	Notification Failure Description	Number of Entities or Customer Counts	Explanation
All other affected customers	Customers who did not receive 24–48-hour advance notifications.	2,117	Morganstein not on POC,
	Customers who did not receive 1–4-hour imminent notifications.	21	Steel Circuit - Not requested by OPS
	Customers who did not receive any notifications before de-energization.	0	
	Customers who were not notified at de-energization initiation.	0	
	Customers who were not notified immediately before re-energization.	0	
	Customers who were not notified when re-energization is complete.	0	
	Customers who did not receive cancellation notification within two hours of the decision to cancel.	0	



SCE Post-Event Report Data

November 18, 2021 to November 22, 2021

SECTION 06: Local and State Public Safety Partner Engagement

Public Safety Partners Contacted

Jurisdiction / Organization	Title	HFTD Tier	Date/Time Contacted
CalOES Warning Center		N/A	11/18/2021 17:58
California Public Utilities Commission		N/A	11/18/2021 15:42
211 California Network		2;3	11/18/2021 16:24
211 California Network		2;3	11/18/2021 16:24
211 California Network		2;3	11/18/2021 16:24
211 California Network		2;3	11/18/2021 16:24
211 California Network		2;3	11/18/2021 16:24
211 California Network		2;3	11/18/2021 16:24



SCE Post-Event Report Data

November 18, 2021 to November 22, 2021

SECTION 06: Local and State Public Safety Partner Engagement

Entities Invited to SCE Emergency Operations Center

Entity	Type
CalOES Warning Center	Public Safety Partner
California Public Utilities Commission (CPUC)	Public Safety Partner
Cal Fire	Public Safety Partner
California Governor's Office of Emergency Services (CalOES)	Public Safety Partner
California Health and Human Services (CHHS)	Public Safety Partner
California Public Utilities Commission (CPUC)	Public Safety Partner
Energy Safety	Public Safety Partner

SECTION 07: Complaints and Claims

Count and Nature of Complaints Received

Nature of Complaints	Number of Complaints
PSPS Frequency/Duration Including, but not limited to complaints regarding the frequency and/or duration of PSPS events, including delays in restoring power, scope of PSPS and dynamic of weather conditions.	5
Safety/Health Concern Including, but not limited to complaints regarding difficulties experienced by AFN/MBL populations, traffic accidents due to non-operating traffic lights, inability to get medical help, well water or access to clean water, inability to keep property cool/warm during outage raising health concern	2
Communications/Notifications Including, but not limited to complaints regarding lack of notice, excessive notices, confusing notice, false alarm notice, problems with getting up-to-date information, inaccurate information provided, not being able to get information in the prevalent languages and/or information accessibility, complaints about website, Public Safety Partner Portal, REST/DAM sites (as applicable)	0
Outreach/Assistance Including, but not limited to complaints regarding community resource centers, community crew vehicles, backup power, hotel vouchers, other assistance provided by utility to mitigate impact of PSPS	1
General PSPS Dissatisfaction/Other Including, but not limited to complaints about being without power during PSPS event and related hardships such as food loss, income loss, inability to work/attend school, plus any PSPS-related complaints that do not fall into any other category.	25
Total	33



SCE Post-Event Report Data

November 18, 2021 to November 22, 2021

SECTION 07: Complaints and Claims

Count and Type of Claims Received

Description of Claims	Number of Claims
Food loss only	0
Property Damage	0
Food loss and property damage	0
Evacuation Cost	0
Business Interruption / Economic Loss	0
Unspecified	1
Total	1

SECTION 09: Community Resource Centers

Community Resource Centers

Address	Location Type	Describe the assistance available	Hours of Operations ¹ (Date / Time)	Number of Visitors
Michael Landon Community Center parking lot 24250 Pacific Coast Hwy Malibu, 90265	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	17
Agua Dulce Women's Club parking lot 33201 Agua Dulce Canyon Rd. Agua Dulce, 91390	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	0
Chatsworth Lake Church parking lot 23449 Lake Manor Dr. Chatsworth, 91311	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	33
Library of the Canyons parking lot 7531 E. Santiago Canyon Rd. Silverado, 92676	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	2
Riverside County Fire Station #3 parking lot 30515 10th St. Nuevo, 92567	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	18

SECTION 09: Community Resource Centers

Community Resource Centers

Address	Location Type	Describe the assistance available	Hours of Operations ¹ (Date / Time)	Number of Visitors
Holiday Inn Express & Suites 1864 Oak Valley Village Beaumont, 92223	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	6
Centennial Park 7330 Jurupa Rd. Jurupa Valley, 92509	CCV	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	0
Jessie Turner Community Center 15556 Summit Ave. Fontana, 92336	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM	1
Santa Paul Community Center 530 W. Main Street Santa Paula, 93060	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	0
Ventura Beach Marriott 2055 Harbor Blvd. Ventura, 93001	CRC	Small portable device charging (such as a cell phone, laptop, and small medical devices), seasonal heating and cooling, ice vouchers or ice, water, snacks, blankets, and wood as needed, and customer resiliency kits	11/21/21: 8AM to 10PM 11/22/21: 8AM to 3PM	0

Appendix B

**PSPS_Event_2021121_DeEnergized_CircuitOutageAreas.gdb and
PSPS_Event_2021121_DamagedLocations.gdb**

This appendix will be filed via mixed media with Commission's Docket office and can be accessed at:

https://library.sce.com/?10000_group.propertyvalues.property=jcr%3Acontent%2Fmetadata%2Fcq%3Atags&10000_group.propertyvalues.operation>equals&10000_group.propertyvalues.0_values=sce-document-library%3APSPS-Reports-to-the-CPUC%2FEvent-Reporting%2F2021