

## PSPS Forecasted Elevated Fire Weather Conditions

### After Action Report / Improvement Plan

DATE: 09.29.2021

Name	PSPS 9.29.2021 IMT Activation	Activation Dates	09.29.21 - 09.30.21
Type / Category	PSPS Activation - Forecasted Elevated Fire Weather Conditions		
<p><b><u>Activation Summary, Scenario</u></b></p> <p>On the afternoon of September 29th, SCE was alerted to the potential for fire weather in localized portions of the SCE service territory by our meteorologists. We were monitoring a potential mild Santa Ana wind event prior to this date and time, although in-house house weather models were consistently forecasting wind speeds below PSPS activation criteria. SCE’s meteorology and fire science experts were in close communication with the Geographic Area Coordination Center (GACC) and the National Weather Service lead up to the afternoon of 9/29/21, and both agencies indicated that they were not seeing the potential for prolonged elevated fire weather threat conditions associated with this event.</p> <p>On the afternoon of 9/29/21, SCE’s new machine learning model, which was trained using historical weather data from a weather station located on a localized portion of the Sand Canyon circuit. This indicated the potential increased wind speed intensity and indicated a strong probability of exceeding PSPS activation thresholds for the higher elevation areas on this circuit during the period of concern.</p> <p>Given the low relative humidity and fuel moisture levels, there existed potential for a significant fire in the 10,000-acre range in that area during the period of concern. In response, SCE activated its PSPS Dedicated IMT on September 29th at 5:04pm. The period of concern for potential de-energization was 3:00am to 12:00pm on September 30th. SCE ultimately de-energized 9 customers on the Sand Canyon circuit in Los Angeles county at 06:00 am on September 30th. Service to all customers was restored on the same day at 15:51.</p> <p><b><u>Strengths:</u></b></p> <p>1. All PSPS IMT staff were engaged, communicated well, and acted with a strong sense of urgency to ensure successful execution of the PSPS activation process.</p> <p><b><u>Areas for improvement:</u></b></p> <p>1. De-energization may occur at either the circuit activation or de-energization threshold value, contingent on the rules of engagement. For this event, there was confusion on which value to use.</p>			

2. Only a portion of the Sand Canyon was forecast to reach PSPS criteria and subject to monitoring and notifications. The process for limiting notifications to the impacted customers and public safety partners was manual and inefficient.
3. The public safety partner portal and LNO notifications display customer count at the circuit level even when only a portion of a circuit is forecast to reach PSPS criteria.
4. Wind speeds increased abruptly minimizing the timeframe between the imminent de-energization and de-energization notice.
5. The IMT encountered technical challenges with the Public Safety Partner Portal that required escalation to informational technology management.

**Corrective Actions:**

	Area for Improvement	Recommended Solution	Owner	Resolution Date
1.	De-energization may occur at either the circuit activation or de-energization threshold value, contingent on the rules of engagement. For this event, there was confusion on which value to use	Rules of engagement instructions for weather thresholds must be further refined to provide clarity and specificity on which value to use	"employee name removed"	11/30/21
2.	Only a portion of the Sand Canyon was forecast to reach PSPS criteria and subject to monitoring and notifications. The process for limiting notifications to the impacted customers and public safety partners was manual and inefficient	Increase automation and/or refine processes to efficiently address situations where only a portion of a circuit is forecast to reach PSPS criteria and subject to monitoring and notifications due to grid hardening and/or isolated weather conditions	"employee name removed"	11/30/21
3.	The public safety partner portal and LNO notifications display customer count at the circuit level even when only a portion of a circuit is forecast to reach PSPS criteria	Enhance Public Safety Partner Portal and LNO notifications to report the actual number of customers in scope in instances where only a portion of a circuit is under consideration for de-energization or de-energized	"employee name removed"	11/30/21

4.	Wind speeds increased abruptly minimizing the timeframe between the imminent de-energization and de-energization notice	Assess wind speed thresholds for sending imminent notifications to provide a larger window of time between imminent de-energization and de-energization notifications to account for situations where wind speeds increase abruptly	"employee name removed"	12/30/21
5.	The IMT encountered technical challenges with the Public Safety Partner Portal that required escalation to informational technology management	Review existing IT and vendor support models for newly implemented technology enhancements and adjust where necessary to ensure Incident Management Team has access to 24/7 escalated support for critical applications (e.g., Public Safety Partner Portal)	"employee name removed"	11/30/21