

*Southern California Edison*  
*2022-WMPs – 2022 Wildfire Mitigation Plan Updates*

**DATA REQUEST SET Cal Advocates - SCE - 2022 WMP - 17**

**To: Cal Advocates**  
**Prepared by: Tom Rolinski**  
**Job Title: Fire Scientist**  
**Received Date: 9/15/2022**

**Response Date: 9/29/2022**

---

**Question 01:**

The IE was unable to verify that SCE met its 2021 goal of developing a methodology and strategy to test FireCast/FireSim for implementation into PSPS decision making by Q3 2021.

However, in response to the IE's ARC, SCE states,

As mentioned in SCE's response to the IE Data Request, Question 8, SCE provided the purchase order with Technosylva as evidence of completion but did not have Technosylva's permission to share the results of the PSPS Asset Risk Analysis during the IE review. SCE has since received approval to present the evidence through an oral presentation from both Technosylva and SCE Fire Science team.

- a) Please explain in detail SCE's methodology and strategy to test FireCast/FireSim for implementation into PSPS decision making.
- b) What data sources is SCE using to validate the FireCast/FireSim model before implementation into PSPS decision making?
- c) When did SCE begin and finish validating the FireCast/FireSim model for use in PSPS decision-making? (Please specify the months and years.)
- d) When did SCE begin using the FireCast/FireSim model for use in PSPS decision-making? (Please specify the month and year.)

**Response to Question 01:**

To be clear, SCE is not using FireCast/FireSim in PSPS decision-making. SCE is evaluating these tools for potential future use in PSPS decision-making.

a) SCE's Fire Science team employs a simple strategy to test the potential implementation of FireCast/FireSim in PSPS decision making: The team has been reviewing wildfire consequence output (potential number of buildings impacted and potential number of fatalities) from Technosylva on a regular basis to determine how well it aligns with internal metrics such as fuel moisture, wind speed, relative humidity, and other metrics that are components of the Fire Potential Index (FPI). The team also reviews Technosylva's output file prior to the onset of PSPS events to determine how many circuits would meet consequence criteria. See an example of the output file attached (PSPS\_Candidates\_20211203\_00.csv)

b) Based on the data described in the response to subpart (a), Technosylva provides a list of circuits, to the Fire Science team that are meeting consequence criteria (potential number of buildings impacted and potential number of fatalities). This information is then compared to SCE's internal circuit-level fire potential forecast data.

- c) SCE began validating FireCast/FireSim in November of 2021, and the process is ongoing.
- d) SCE is not using FireCast/FireSim in PSPS decision-making.