

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

**DATA REQUEST SET O E I S - S C E - 2 2 - 0 0 3**

**To: Energy Safety**  
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**Received Date: 3/22/2022**

**Response Date: 3/25/2022**

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**Question 03:**

Program Targets – Fire Science SA-8:

- a. In table 5.3 SA-8 SCE describes a missed target for SA-8 “evaluating current wildfire events in context of 40-year history of wildfires.” In 2021 SCE planned to run the FPI 2.0 in parallel with the current FPI and compare outputs for the 2021 fire season.
- i. Please further explain the reason for the missed 2021 SA-8 target (page 128).
- ii. Did the SA-8 missed target prevent the ability to run the FPI 2.0 in parallel with its current FPI during the 2021 PSPS events?
- iii. If the SA-8 missed target did not prevent the ability to run the FPI 2.0 in parallel with its current FPI during the 2021 PSPS events, please provide an update on the evaluation of the FPI 2.0.

**Response to Question 03:**

i – In 2021, SCE sought to accelerate several key enhancements to its modeling efforts to improve its weather forecast accuracy, which impacts PSPS. SCE relied on its modeling vendor to perform all major workstreams related to this effort, which meant that other projects with a lower priority could potentially be delayed. “Evaluating current wildfire events in context of 40-year history of wildfires” was one such project that SCE’s modeling vendor had to postpone in order to prioritize the mission-critical model enhancement work in 2021. This project was deemed “lower priority” than enhancements to weather forecast accuracy because it had no impact on in-event PSPS decision-making. SA-8’s project included the development of a “gridded” climatology for different weather and fuel moisture elements, which utilized SCE’s 40-year historical data. This portion of the project was completed. The second part of the project involved the development of a product which would take the forecast for the selected elements and compare them to their respective climatologies at each grid cell to show how the forecasted event related to past weather and fuel conditions. This portion of the project will be completed in 2022.

ii – No. While SA-8’s project relied on SCE’s 40-year historical data set, it had no impact on the FPI 2.0 project.

iii – FPI 2.0 has been in development and is now being evaluated against the current FPI at both the Fire Climate Zone level and at the circuit level. While FPI 2.0 still needs to be calibrated against historical fire data to develop breakpoints and PSPS thresholds, SCE can still compare its output with the current FPI on a daily basis. Initial results show FPI 2.0 is more sensitive than the current FPI as it is more responsive to changes in windspeed. SCE is also in the process of creating a

number of metrics which will allow for more side-by-side comparisons of the two indices prior to implementation.