

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET M G R A - S C E - W M P 2 5 _ D a t a R e q u e s t 4

To: MGRA
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Job Title: Senior Advisor
Received Date: 4/12/2024

Response Date: 4/17/2024

Question 04:

Regarding Southern California Edison Company's 2023 Wildfire Mitigation Plan Annual Report on Compliance (ARC) Pursuant to PUC Section 8386.3(c)(1)

On page 16 in the section "Re-evaluate existing PSPS windspeed thresholds using engineering-based analysis that considers, among other factors, the effectiveness of covered conductor." SCE notes that "SCE contracted the services of an external vendor to assess the existing PSPS windspeed threshold methodology and to explore a more predictive and data-driven model using asset and equipment failure data to derive the probability of a fault from exposure to wind. The vendor and SCE's subject matter experts concluded that there is an insufficient amount of relevant historical failure data to adequately train an automated model. SCE will evaluate lessons learned from the effort and continue to evaluate alternative windspeed threshold models."

- a. Please provide the document authored by the vendor and any report authored by SCE regarding the third party evaluation of PSPS windspeed thresholds.
- b. What data were used for the analysis?
- c. Was winter data used for the analysis or was only data occurring during fire season used for the analysis?
- d. Was the data used for the analysis inclusive of periods and areas where PSPS was active?
- e. Was damage data collected during post-PSPS patrols used as part of the data analysis?
- f. Was data prior to 2019 used for the analysis?

Response to Question 04:

SCE objects to this data request on the grounds that it seeks information relating to SCE's 2023 Annual Report on Compliance, not the 2025 Wildfire Mitigation Plan Update which is the subject of this proceeding. Subject to that objection, please see below.

a) Please provide the document authored by the vendor and any report authored by SCE regarding the third-party evaluation of PSPS windspeed thresholds.

Attached please find a comprehensive report to the PSPS risk informed threshold analysis. SCE did not author any additional report on the third-party evaluation of PSPS windspeed thresholds.

b) What data was used for the analysis?

The analysis used weather, asset, incident, vegetation, structural, SCADA, circuit and segment, location, and inspection and mitigation data. Descriptions and details of the data sets can be found in the report.

c) Was winter data used for the analysis or was only data occurring during fire season used for the analysis?

Yes, winter data was used in the analysis. The data was used for a range of years from the beginning of 2020 to the end of August 2023. Weather data was aggregated by day on the dates and locations of reported incidents.

d) Was the data used for the analysis inclusive of periods and areas where PSPS was active?

Yes, all data was used to maximize the available training data.

e) Was damage data collected during post-PSPS patrols used as part of the data analysis?

Damage data was collected; however, it was intended for use in back-casting of the model. Back-casting was not completed due to the model performance results. A back-casting plan can be found in the appendix.

f) Was data prior to 2019 used for the analysis?

No. The analysis used data from the beginning of 2020 to the end of August 2023.