

Southern California Edison
2025-WMPs – 2025-WMPs

DATA REQUEST SET CalAdvocates-SCE-2025WMP-09

To: Cal Advocates
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Job Title: Sr. Manager, Data Science
Received Date: 4/23/2024

Response Date: 4/26/2024

Question 08:

Referring to SCE's response to Cal Advocates data request CalAdvocates-SCE-2025WMP-01 Question 1 (specifically WMP tables 1-1 and 1-2, provided as Excel file "2025 WMP Update Chapter 1 Tables 1-1 and 1-2.xlsx"):

- a. Please explain how SCE calculates "Circuit-Mile-Weighted Ignition Risk Score" in Table 1-1
- b. Please explain how SCE calculates "Circuit-Mile-Weighted PSPS Risk Score" in Table 1-2.
- c. Please explain how SCE aggregates all circuit segment-level probability of ignition to the circuit level in Table 1-1.
- d. Please explain how SCE aggregates all circuit segment-level maximum consequence to the circuit level in Table 1-1.
- e. Please explain how SCE aggregates all circuit segment-level probability of PSPS event to the circuit level in Table 1-2.
- f. Please explain how SCE aggregates all circuit segment-level consequence scores to the circuit level in Table 1-2.

Response to Question 08:

- a. Please explain how SCE calculates "Circuit-Mile-Weighted Ignition Risk Score" in Table 1-1.*

SCE sums segment level ignition risk scores at the circuit level and divides by the number of circuit miles within HFRA for that circuit.

- b. Please explain how SCE calculates "Circuit-Mile-Weighted PSPS Risk Score" in Table 1-2.*

SCE assigns PSPS risk scores to the circuit level and divides by the number of circuit miles within HFRA for that circuit.

- c. Please explain how SCE aggregates all circuit segment-level probability of ignition to the circuit level in Table 1-1.*

SCE sums circuit segment level probability of ignition values to the circuit level.

- d. Please explain how SCE aggregates all circuit segment-level maximum consequence to the circuit level in Table 1-1.*

Technosylva consequences are at the FLOC level, and SCE calculates MARS consequence components at the FLOC level. The FLOCs are mapped and aggregated to the segment level by taking the mean value of each of those components (safety, reliability, & financial). SCE does not sum the consequences of the FLOCs as taking the mean values of the mapped FLOCs is a representation of that segment's consequence. Using max values could skew the consequences of longer segments. SCE then sums the MARS consequences of all the segments to the circuit level.

e. Please explain how SCE aggregates all circuit segment-level probability of PSPS event to the circuit level in Table 1-2.

SCE's methodology for calculating probability of a PSPS event is done at the circuit level. There is no aggregation of circuit segment-level probability of a PSPS event to the circuit level.

f. Please explain how SCE aggregates all circuit segment-level consequence scores to the circuit level in Table 1-2.

SCE's methodology for calculating consequences of a PSPS event is done at the circuit level.