

*Southern California Edison*  
*2023-WMPs – 2023-WMPs*

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

**To: Energy Safety**  
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**Job Title: Senior Advisor**  
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**Response Date: 5/11/2023**

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**Question 06:**

"Regarding the SCE Framework for PSPS Risk

The sections that relate to models PSPS-Likelihood (PSPS-L), PSPS-Consequence (PSPS-C), PSPS-Vulnerability (PSPS-V) and PSPS-Risk (PSPS-R) do not sufficiently describe the calculations that ultimately result in a PSPS Risk Score.

The Guidelines for section 6.2 Risk Analysis Framework require a detailed discussion of likelihood, consequence, exposure potential and vulnerability for Public Safety Power Shutoffs (PSPS) Risk:

6.1.1 Overview The electrical corporation must provide a brief narrative describing its methodology for quantifying its overall utility risk of wildfires and Public Safety Power Shutoff (PSPS).

6.2.2.1 Likelihood The electrical corporation must discuss how it calculates the likelihood that its equipment (through normal operations or failure) will result in a catastrophic wildfire and the resulting likelihood of issuing a PSPS.

6.2.2.2 Consequence The electrical corporation must discuss how it calculates the consequences of a fire originating from its equipment and the consequence of implementing a PSPS event.

In order to understand SCE's step-by-step calculations that ultimately result in the PSPS Risk Score, please provide the following, including via Excel file as applicable:

Regarding PSPS Likelihood:

Provide details on the inputs to the PSPS-L model, and calculation.

a. Explain how PSPS protocols, FPI, and any data flow from other models (RDF, HWW) and/or risk frameworks (MARS) are combined to produce the likelihood of a PSPS event. This could be through a schematic supported by a narrative explanation.

i. In particular, explain how the historical backcast is used to predict future likelihood of a PSPS event.

Regarding PSPS Consequence:

b. Provide details on the inputs to the PSPS-C model.

c. Provide a schematic for the PSPS-C model, including process steps similar to Figure SCE-7.02.

i. Describe the output of the PSPS lookback, if utilized

d. Does Customer Classification & Weighting affect the results?

i. If so, please explain how."

**Response to Question 06:**

a. Please refer to diagrams provided in response to Question 8.

i. See also Section 6.2.2.1. Likelihood, IRC 4: "PSPS Likelihood," as well as Appendix B, IRC 4: PSPS Likelihood (pg. 47) of SCE's 2023-2025 WMP.

b. Please refer to diagrams provided in response to Question 8.

- i. See Section 6.2.2.2 “Consequence” IRC5 “PSPS Consequence,” as well as Appendix B, IRC 4: PSPS Consequence (pg. 52) of SCE’s 2023-2025 WMP.
- c. See response to part b.
- d. Yes.
  - i. SCE uses an AFN/NRCI multiplier as a weighting mechanism. See Section 6.2.2.2 “Consequence” FRC9 “PSPS Vulnerability” of SCE’s 2023-2025 WMP, for additional information.

SCE welcomes further discussion with OEIS to help understand and facilitate the communication of any outstanding information necessary for OEIS’s evaluation of SCE’s WMP, in addition to the references above.