

Southern California Edison
2023-WMPs – 2023-WMPs

DATA REQUEST SET Cal Advocates - SCE - 2023 WMP - 05

To: Cal Advocates
Prepared by: Jonathan Morales
Job Title: Sr. Advisor Wildfire Safety Data Hub
Received Date: 2/10/2023

Response Date: 3/17/2023

Question 02:

Provide an Excel table of all distribution circuit-segments that traverse HFTD areas (i.e., the segment has greater than zero circuit-miles in HFTD) existing as of January 1, 2023. The Excel table should list each such circuit-segment as a row and include the following information in separate columns:

For items (n) and (r), please include all relevant risk scores. For example, include vegetation risk score, conductor risk score, and any other driver-specific risk scores you have developed. Please insert additional columns as needed to accommodate this.

- a) Circuit name for the circuit that each segment is part of
- b) Circuit ID for the circuit that each segment is part of
- c) Name or ID number of each circuit segment
- d) Nominal voltage
- e) Total circuit-miles on the circuit-segment
- f) Overhead circuit-miles on the circuit-segment in non-HFTD Areas
- g) Overhead circuit-miles on the circuit-segment in HFTD Tier 2
- h) Overhead circuit-miles on the circuit-segment in HFTD Tier 3
- i) Underground circuit-miles on the circuit-segment in non-HFTD Areas
- j) Underground circuit-miles on the circuit-segment in HFTD Tier 2
- k) Underground circuit-miles on the circuit-segment in HFTD Tier 3
- l) Probability of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing
- m) Consequence of ignition score for the circuit-segment, according to the risk model you used for your 2022 WMP filing
- n) Total wildfire risk score(s) for the circuit-segment, according to the risk model you used for your 2022 WMP filing
- o) Power Safety Power Shutoff (PSPS) risk score for the circuit-segment, according to the risk model you used for your 2022 WMP filing
- p) Probability of ignition score for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing
- q) Consequence of ignition score for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing
- r) Total wildfire risk score(s) for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing
- s) Power Safety Power Shutoff (PSPS) risk score for the circuit-segment, according to the risk model you are using for your 2023-2025 WMP filing.

Response to Question 02:

CONFIDENTIAL

**The Attachment(s) Are Marked Confidential In Accordance With Applicable Law and Regulation.
Basis for Confidentiality In Accompanying Confidentiality Declaration.
Public Disclosure Restricted.**

Please see the attached file entitled, “CalAdvocates-2023WMP Set 5 Q2 Response – Final.”

SCE does not attribute risk scores to underground circuit segments; therefore, all risk values for segments labeled UG are left blank.

SCE has provided all circuit segments that traverse HFTD areas with appropriate risk scores used for the pre-submission 2023-2025 WMP filing. The circuit-segment data provided is from SCE’s database that represents the schematic view of circuits. While the miles mostly align with the actual length, there are a few cases where the mileage differs. SCE is currently working on identifying these situations and will update circuit mile length if and where necessary.

SCE has provided 2022 WMP risk information, but as our risk modeling process has been recalibrated (discussed in Section 6.5.5 of the pre-submission 2023-2025 WMP), 2022 and 2023-2025 risk scores cannot be compared.

Risk Scores Provided:

- Overall Utility Risk = Ignition Risk + PSPS Risk
- Ignition Risk = Ignition Likelihood x Wildfire Consequence (MARS)
- Ignition Likelihood = Equipment Likelihood + CFO Veg Likelihood + CFO Other Likelihood
- PSPS Risk = PSPS Likelihood x PSPS Consequence
- Wildfire Vulnerability: This is a multiplier used in both wildfire and PSPS models which measures the vulnerability of a community to a wildfire. The vulnerability score incorporates customers including but not limited Critical Care, Disabled, Medical Baseline, Low Income, Limited English, Pregnant, Children (formerly access and functional need customers)
- Vulnerability of Community to PSPS: Same value as Wildfire Vulnerability score