

Southern California Edison

WSD-001 – Resolution WSD-001 to Establish Procedures for the Wildfire Safety Division's Review of 2020 Wildfire Mitigation Plans Pursuant to PUC Sections 8386 and 8386.3

DATA REQUEST SET W S D - S C E - 0 0 2

To: WSD

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Job Title: Director Advanced Analytics

Received Date: 3/5/2020

Response Date: 3/9/2020

Question 002 (SCE-43895-Y-273):

A. Item Index [For CPUC tracking purposes. Please reference this item index with the response provided.]

SCE-43895-Y-273

B. Request Type

Request for additional specificity or clarification regarding information submitted in WMP or maturity survey

C. Relevant section of WMP (if applicable)

6.4: Current baseline state of service territory and utility equipment

D. Relevant question in Maturity Survey (if applicable)

NA

E. Relevant meeting or call (if applicable)

From WMP: Summarized risk map: Operation wildfire risk reduction model used to prioritize long-term hardening efforts. Referred to on page 48, section 5.3.1.1. From the section:

“SDG&E leveraged 30 years of high-resolution weather data to establish a climate scenario and failure rates of its assets. SDG&E then simulated virtual wildfires to assess, quantify and prioritize risk mitigation efforts. SDG&E also updated risk algorithms to better capture weather effects on failure modes, and how existing hardware is impacted through the integration of wind factors that are applied at higher wind speeds.”

F. Specific Data request

Provide the most recent map of overhead distribution, transmission, and substation facilities (as was provided earlier) in high-fire threat regions with additional fields for...

1. Ignition probability – projected likelihood of target asset causing an ignition in the next year (0.0 – 1.0)

2. Failure probability – projected likelihood of target asset failing in the next year (0.0 – 1.0)

3. Wildfire spread and consequence score (normalized from 0.0 – 1.0) – relative ability ignition spread and quantity of homes or timber affected if ignition occurs

4. Prioritization ranking of assets for maintenance – calculated ranking of assets for prioritizing asset maintenance, upgrades, and equipment replacement. This is a percentile ranking with 99th percentile being highest priority and 0th percentile being lowest priority for asset maintenance

Response to Question 002 (SCE-43895-Y-273):

It is SCE's understanding that SDG&E is using the Technosylva tool to provide the type of information requested. SCE is currently in the process of implementing Technosylva and therefore the requested maps are not yet available. After implementation of Technosylva, SCE expects to be able to provide similar information provided by SDG&E.