

Southern California Edison
2022-WMPs – 2022 Wildfire Mitigation Plan Updates

DATA REQUEST SET O E I S - S C E - 2 2 - 0 0 8

To: Energy Safety
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Response Date: 5/13/2022

Question 02:

Fuel model granularity

- a. SCE determined that a wider range of both fuel- and wind-driven conditions was needed for its risk modeling. As a result, SCE increased use of weather scenarios and developed a more granular fuel model that accounts for regrowth, to capture a wider range of fuel- and wind-driven climate conditions in risk modeling.
- i. Explain how SCE came to the conclusion that wider ranges for fuel and wind conditions were needed, including an explanation of any analysis performed and related conclusions.

Response to Question 02:

The decision to expand the weather scenarios to include more critical weather days was based on fire science expertise that critical weather days are not experienced uniformly across SCE's territory. The intention was to increase SCE's ability to capture and analyze critical weather scenarios at a higher degree of localization.

Regarding fuels, it is a prudent practice to update with more accurate surface and canopy vegetation layer when available. This data was updated by our vendor, Technosylva, and it serves as a critical input into all fire spread modeling calculations which ultimately affects our risk metrics and scores. This allows mitigations that occur annually to be risk-prioritizing with the latest risk information (e.g. high fire risk inspections).