Southern California Edison

WSD-011 – Resolution implementing the requirements of Public Utilities Code Sections 8389(d)(1), (2) and (4) related to catastrophic wildfire caused by electrical corporations subject to the Commission's regulatory authority

DATA REQUEST SET M G R A - S C E - 0 0 8

To: MGRA
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Response Date: 3/22/2021

Question 003:
Regarding the use of the Technosylva fire spread model and its use to calculate wildfire consequences:
How are weather and fuel inputs determined for risk calculations used to prioritize circuit risks for mitigation?

Response to Question 003:
SCE has chosen 41 historical weather events to represent fire consequence across the SCE service area. These scenarios are used to inform the prioritization of wildfire mitigation efforts for circuits. These weather events were chosen based on the magnitude and duration of each weather event over the past 20 years. Technosylva uses the following weather and fuels inputs for fire spread modeling:

Wind speed
Relative humidity
Temperature
Dead fuel moisture
Live fuel moisture

The above weather and fuel variables were used to calculate fire spread and consequence for each of the weather events which were then aggregated to provide a risk single score along each circuit.