

*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 Cal Advocates - SCE - 2021 WMP - 08**

**To: Cal Advocates**

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**Response Date: 3/3/2021**

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**Question 001:**

What is the timeline for integrating SCE's new Machine Learning model1 into its PSPS decision-making?

- i. How will SCE validate the model?
- ii. What inputs does the model use?

**Response to Question 001:**

SCE, through its vendor, Atmospheric Data Solutions, is expected to have machine learning models completed for 50 site-specific station locations by May 1, 2021. Integration of this model output data into the PSPS decision making is anticipated to occur in Q4 2021.

SCE will validate every model (which is specific for each weather station location) using station observations. Each model will be validated using station observation data from multiple weather events which were not included for the development of the model.

Ultimately, final inputs are determined at the time of model development, but SCE will typically use friction velocity, near surface wind speed, and wind speed from multiple levels above the surface. Data from the outer most and the inner most model domains (regions) are used to provide geographical and meteorological context.