Southern California Edison
WSD-011 – WSD-011

DATA REQUEST SET C a l A d v o c a t e s - S C E - 2 0 2 1 W M P - 0 4

To: Cal Advocates
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Response Date: 2/19/2021

Question 002:
a) What is the duration of the weather scenarios used in the WRRM consequence model?
b) In these weather scenarios, do the attributes evolve over the duration of the scenario (for example, if the weather scenario lasts 48 hours, temperature and wind speed would rise and fall over the course of the 48-hour period)?

Response to Question 002:

a. Wildfire consequences are calculated based on the spread of a fire over an eight (8) hour period for each ignition point. Fire spread predictions are run for each of the 41 weather scenarios extracted from the SCE 20-year climatology. This results in 41 different risk values for each variable (acres, structures, population) for each ignition point.

   SCE utilizes the maximum fire consequences predicted out of the 41 scenarios for each individual ignition point over an eight (8) hour burn period. Use of a consistent duration for each simulation allows for comparison and interpretation of outputs when comparing all simulations.

b. Yes, each of the 41 weather scenarios contains hourly weather data, which evolve over the eight (8) hour burn period.