

*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 M G R A - S C E - 0 0 4**

**To: 151**  
**Prepared by: Tom Rolinski**  
**Job Title: Fire Scientist**  
**Received Date: 3/5/2020**

**Response Date: 3/9/2020**

---

**Question 007:**

Table 10 contains 95th and 99th percentile wind conditions, defined as circuit mile days with wind gusts over the specified percentile. Please describe in some detail how these numbers are derived. For instance, in your analysis, do you calculate - circuit miles for wind speeds above the Xth percentile on that particular circuit given wind speeds at nearest weather station using data from that weather station, or - circuit miles when wind speeds at the nearest weather station exceed the Xth percentile over the entire wind speed history of the entire weather station network, or - some other method to calculate the circuit mile days?

**Response to Question 007:**

To calculate the 95<sup>th</sup> and 99<sup>th</sup> percentiles, SCE's vendor, Atmospheric Data Solutions, used historical wind data at 6-meters, validated against SCE's weather station network, to calculate a daily maximum wind speed and gust value for each gridpoint using a horizontal grid spacing resolution of 2 km. These daily maximum values were used to calculate the 95<sup>th</sup> and 99<sup>th</sup> percentile sustained wind and gust over the historical period for each gridpoint. Each SCE circuit was then mapped to this gridpoint data to calculate the circuit mile days above these 95<sup>th</sup> and 99<sup>th</sup> percentile values.