

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 5

To: MGRA
Prepared by: Jose Ramon Goizueta
Job Title: Director Advanced Analytics
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Response Date: 3/23/2020

Question 007:

On page 4-12, SCE states that it currently “assumes a 100% conversion rate from spark to fire.”. Please explain the apparent inconsistency between this figure and the ignition rates provided in Table 11 and Table 31

Response to Question 007:

The data in tables 11 and 31 represent the ratio of observed ignitions to observed faults. This ratio provides a rough estimate of how ignitions vary by fault type but does not provide information specific to where an ignition is more likely to occur which is what is needed for mitigation prioritization. To do that, we must consider that any fault that can create a spark can turn into a fire under a high enough fire potential index (FPI). Because FPI varies throughout the year, we assume any spark (100%) can turn into a fire and mitigate the equipment most likely to create a spark and with the highest consequence as defined by probability of ignition multiplied by REAX data. In the future, better historical information on localized FPI distributions will allow us to adjust this from 100% to a more accurate spark to fire values.