

Southern California Edison
R.18-10-007 – SB 901

DATA REQUEST SET T U R N - S C E - 0 0 5

To: TURN
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Response Date: 3/8/2019

Question 01.b: 1. Re. Recloser disabling as discussed in WMP in Sections 4.1.1.1.1 and 4.3.2:
b. With respect to the list of “faults” shown in Table IV-8 on p. 50 of GS&RP testimony, and the list of fires as shown in Table III-1 in the WMP, please provide the number of faults “associated with fires.”

Response to Question 01.b:

As described in SCE’s amended GSRP workpapers (page 1), over the three-year period 2015-2017, there were 16,973 distribution fault events in HFRA, and 9,169 of such faults were associated with contact from object and equipment/facility failure – or an expected average of 3,056 per year.

Furthermore, as described in SCE’s amended GSRP workpapers (page 3), of the 9,169 distribution faults in HFRA, 132 were associated with fire ignition events in years 2015-2017, an annual average of 44 fire ignition events per year.

The association between faults and fire ignition events was calculated in the “Fault-to-Fire Mapping Analysis” and the results are summarized in Table 3 on page 6 of SCE’s amended GSRP workpapers. For example, Contact From Object (CFO) faults were found to have a 2.4% likelihood of being associated with a fire, and Equipment/Facility Failure (EFF) faults were found to have a 0.9% likelihood of being associated with a fire.