Southern California Edison
2022-WMPs – 2022 Wildfire Mitigation Plan Updates

DATA REQUEST SET M G R A - S C E - 0 0 4

To: MGRA
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Received Date: 5/31/2022

Response Date: 6/8/2022

Question 06:
In SCE's Reply Comments, SCE states that:
"The utilities agree that covered conductor is effective at mitigating several drivers and early results have been positive, but MGRA's analysis is flawed and its recommendation should be rejected. The Joint IOU Covered Conductor Effectiveness Report provides substantial support for a current overall effectiveness of covered conductor between 60-70%. This is supported by benchmarking, the Phase 1 testing results, utility SMEs, and recorded results."

In the Joint IOU Covered Conductor Effectiveness Report, SCE states that:
"SCE is measuring the overall effectiveness of covered conductor by comparing events (primary wire downs, primary conductor caused ignitions and faults) on fully covered circuits to bare circuits in its HFRA on a per-mile basis in current years. As of November 2021, SCE's wire down and fire data does not show any events occurring on fully covered circuits."

What is the calculated ignition rate for bare circuits in SCE's HFRA for 2019, 2020, 2021, and 2022 to present?
Response to Question 06:

The following table provides the rate of reportable ignitions associated with SCE's distribution system in SCE's bare HFRA circuits. Ignitions associated with SCE's underground facilities are excluded. Note that the number of ignitions and circuit miles used to calculate the ignition rate includes reportable ignitions and associated portions of HFRA circuits located in non-HFRA areas. The ignition rate is calculated using the following formula: Number of reportable ignitions associated with bare HFRA circuits ÷ Total circuit miles of bare HFRA circuits.

Year	Number of Ignitions (HFRA and non-HFRA)	Fully Bare HFRA Circuit Miles (HFRA and non-HFRA)[1]	Ignitions per circuit mile

[1] Circuit miles as of January 1st of each year

2019	58	14546	0.0040
2020	44	8973	0.0049
2021	25	6092	0.0041
2022[2]	4	4135	0.0010

HFRA circuits are circuits that are completely in HFRA or have any portion of circuit miles in HFRA. A circuit is considered bare if covered conductor is not installed on any portion of the circuit.

[2] Uses number of ignitions as of June 1, 2022. Note there are 8 potential reportable ignitions (in both HFRA and non-HFRA) associated with fully bare HFRA circuits still pending review. These ignitions were not included in the table.