

*Southern California Edison*  
*2023-WMPs – 2023-WMPs*

**DATA REQUEST SET T U R N - S C E - 0 0 2**

**To: TURN**

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**Job Title: Senior Manager**

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**Response Date: 5/1/2023**

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**Question 02:**

Please provide all reports or studies in SCE's possession prepared from January 1, 2018 to the present that discuss the reliability of underground distribution facilities, overhead distribution facilities with covered conductor, or overhead distribution facilities without covered conductor, including but not limited to a discussion of SAIDI and MAIFI data.

**Response to Question 02:**

SCE has not identified reports or studies that were produced from January 1, 2018, to the present that specifically discusses the reliability of underground facilities and overhead distribution facilities with or without covered conductor. In addition, SCE's reliability reporting system does not have the ability to bifurcate outages on overhead facilities by those with or without covered conductor. Therefore, SCE lacks the ability to produce a report or study to calculate reliability metrics such as SAIDI and MAIFI for areas with and without covered conductor for overhead distribution facilities.

The 2023-2025 Wildfire Mitigation Plan (WMP) includes the Joint IOU Covered Conductor Working Group Report (Appendix F7, page 879). The report includes a chart (Figure CC-1: SCE Faults Per Mile-Day as a Function of Covered Conductor) that indicates a decrease in fault per miles for as circuit coverage increase. The report also states the following on page 887:

“By comparing fault events on fully and partially covered circuits to bare circuits in its HFRA on a per mile-day basis from 2019 to 2022, the data shows that circuits fully covered experience approximately 70% less faults than bare conductor when factoring in all sub-drivers (see Table X below). Additionally, circuits that are in the 75% to less than 100% covered group experience a similar improvement over bare conductor at approximately 69% less faults. The data also shows a predicted trend with an increasing reduction in faults as more of a circuit is covered. Furthermore, on segments where SCE has covered bare wire, there has not been a CPUC-reportable ignition from the drivers that CC is expected to mitigate.”

An increase or decrease in fault events may be a proxy for changes in reliability performance, as fault events can lead to outages.

A link to the 2023-2025 Wildfire Mitigation Plan is below.

[SCE 2023-2025 Wildfire Mitigation Plan](#)