

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

DATA REQUEST SET O E I S - S C E - 2 2 - 0 0 7

To: Energy Safety
Prepared by: Eric X Wang
Job Title: Sr. Manager
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Response Date: 4/15/2022

Question 05:

CC++ Effectiveness

a. Regarding CalAdvocates-SCE-2022-WMP-06 Q5.xlsx:

- i. What is SCE's overall measured effectiveness by percentage of CC++?
- ii. Did these calculations include CC++? If not, provide the same calculations with the added effectiveness of the additional mitigation measures included in CC++.
- iii. Given SCE's 2022 WMP states "Each circuit segment was then assessed to determine the highest delta of mitigated risk between both mitigation options of undergrounding versus covered conductor" does that mean for each of the circuits shown, undergrounding was selected?
- iv. Have there been any instances where covered conductor was selected over undergrounding? If so, provide the circuit, circuit ID, and associated effectiveness calculations for each instance.

Response to Question 05:

- i. SCE would like to clarify that the file "CalAdvocates-SCE-2022-WMP-06 Q5.xlsx" SCE previously provided included data supporting the prioritization process performed in 2020 for the targeted undergrounding 2022 plan year. SCE started evaluating CC++ as an option in the Year 2021. The overall measured effectiveness by percentage of CC++ is approximately 77% based on SCE's 2021 analysis using the latest WRRM model.
- ii. As discussed in response to question (i), these calculations did not include CC++. As SCE's WRRM model is updated each year, there are some changes in the risk calculations. To provide reasonable and comparable results, SCE is providing the updated mitigated effectiveness values for Covered Conductor, Undergrounding, and CC++ using its 2021 WRRM model in attached file entitled "OEIS-SCE-22-007_Q5ii.xlsx" for the same circuits as provided in file "CalAdvocates-SCE-2022-WMP-06 Q5.xlsx."
- iii. The circuits provided in file "CalAdvocates-SCE-2022-WMP-06 Q5.xlsx" were all potential candidate circuits when SCE evaluated and determined its 2022 targeted undergrounding scope in 2020. In determining its 2022 undergrounding scope SCE also considered other factors that may not be captured in our current risk models such as egress, terrain conditions, and installation feasibilities. Only certain portions of the circuits identified will be undergrounded. In 2022, SCE plans to complete 11 miles of targeted undergrounding and will strive to install up to 13 miles in SCE's HFRA. Portions of the circuits identified that are not targeted for undergrounding will have covered conductor installed. As explained in Section 7.1.2.1 of SCE's 2022 WMP Update, SCE has refined its Integrated Grid Hardening Strategy to identify locations that it identifies as Severe Risk Areas, where SCE is likely to

pursue a suite of grid hardening measures in addition to – and sometimes in lieu of – covered conductor. Such measures may include the targeted undergrounding of overhead lines and using other technologies such as REFCL. Additionally, the segments on the Atento, Phyton, Schmidt, and Taiwan circuits that are to be undergrounded in 2022, are also flagged for undergrounding in SCE’s refined Integrated Grid Hardening Strategy.

- iv. Yes, and regarding SCE’s response to CalAdvocates-SCE-2022-WMP-06, Q5, there are portions of the circuits that will be undergrounded and portions that will have covered conductor. The effectiveness values and circuit names are provided in file “OEIS-SCE-22-007_Q5ii.xlsx.”