

Southern California Edison

WSD-011 – Resolution implementing the requirements of Public Utilities Code Sections 8389(d)(1), (2) and (4) related to catastrophic wildfire caused by electrical corporations subject to the Commission’s regulatory authority

DATA REQUEST SET W S D - S C E - 0 0 6

To: WSD

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Job Title: Manager

Received Date: 6/21/2021

Response Date: 6/24/2021

Question 002:

Relating to Figure SCE 9.10-4 of SCE’s Redlined 2021 WMP Update:

- a. What circuit mileage and percentage of the 1,883 miles of planned covered conductor projects are within SCE’s first 1,250 mile risk tranche?
- b. What circuit mileage and percentage of the 1,883 miles of planned covered conductor projects are within SCE’s second 2,500 mile risk tranche?
- c. Provide the same graph broken down by planned date of installment (i.e. when SCE intends to install the scoped CC indicated within the graph, broken down by year of installation). Include the associated circuit mileage numbers.
- d. Provide the number of circuit segments that fall under each of the circuit mile tranches.

Response to Question 002:

a. As explained in WSD-SCE-006 Q1c, SCE’s planned mileage could change due to the various factors mentioned, and this varies from month to month. Currently, the available miles scoped for 2021 is approximately 2,200 miles. Of those, approximately 550 circuit miles is in the first 1,250 mile risk tranche (25% of the approximately 2,200 circuit miles). It should be noted that prior to 2021, SCE has already completed installation of approximately 240 circuit miles in the first risk tranche.

b. Similarly, approximately 450 circuit miles is in the second 1,250 risk tranche (~20% of the approximately 2,200 circuit miles). It should be noted that prior to 2021 SCE has already completed installation of installation of approximately 210 circuit miles in the second risk tranche.

c. As of June 23, 2021 the covered conductor installation and scope¹ is shown in the graph below. The graph is broken out as requested by scope year. Changes made to this graph, aside from the requested visual representation, reflect the increased amounts of installed covered conductor circuit miles since SCE’s Revised 2021 WMP was submitted. As shown in the graph, the majority of the highest wildfire risk circuit segment miles have been prioritized for installation first. Nonetheless,

¹ By “scoped” SCE means circuit mile segments that are available and executable for installation. For example, “Scoped for 2021” means circuit mile segments available for construction in 2021.

this plan data represents a point in time,² and the plan is regularly reevaluated based on risk model updates and conditions in the field. SCE expects to complete a refreshed analysis within the next month to assess how much of the currently modeled highest wildfire risk circuit segment miles currently shown to be scoped for later than 2022 can potentially be accelerated for covered conductor installation in 2022. If those efforts prove viable, SCE will evaluate postponing the installation of relatively lower risk circuit segment miles currently scoped for 2022 until later years.

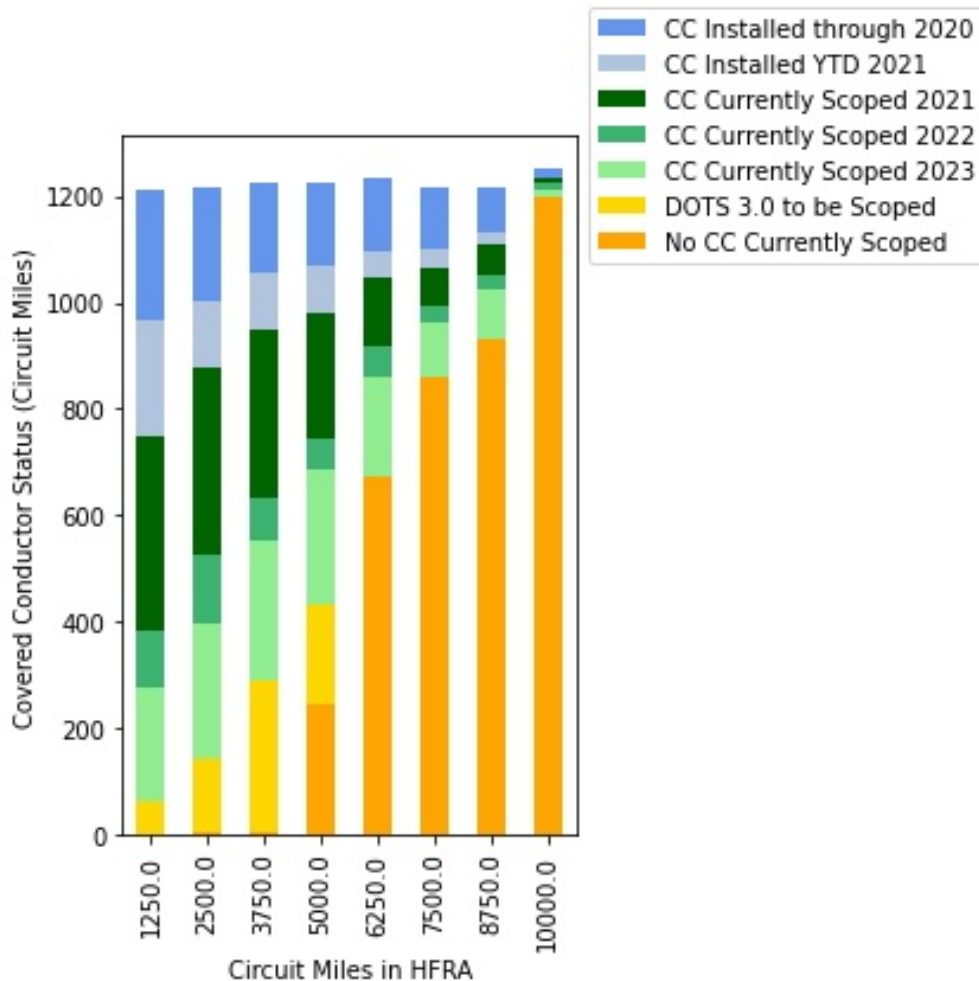


Figure 1: Covered Conductor Scope/Installation Status Relative to Circuit Mile Risk Tranches in HFRA³

² There are several valid reasons that explain why relatively lower wildfire risk circuit segment miles have been completed in advance of relatively higher wildfire risk circuit segment miles, including SCE's initial GSRP approach aimed at entire circuits (whereas SCE now focuses on circuit segments), the shift from Reax to Technosylva consequence modeling, updated conditions in the field (e.g., recent burn scars which reduce the probability of ignition for a previously installed segment), PSPS-driven grid hardening acceleration, and operational considerations (e.g., extending installation to the nearest dead-end structure). Lastly, it should be noted that SCE's risk model is typically updated approximately every six months, while the covered conductor life installation cycle is approximately 16 to 22 months. Accordingly, SCE's risk-informed strategy also considers operational efficiency constraints.

³ The graph shows the miles by tranche and actual and/or projected installation dates as of 6/23/21.

d. The requested information is provided below.

Circuit Miles Tranches in HFRA	Number of Circuit Segments per Tranche
1,250	15,481
2,500	17,157
3,750	17,040
5,000	17,528
6,250	18,239
7,500	19,513
8,750	24,159
10,000	14,188