

Southern California Edison
2023-WMPs – 2023-WMPs

DATA REQUEST SET O E I S - P - W M P _ 2 0 2 3 - S C E - 0 0 3

To: Energy Safety
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Job Title: Consulting Engineer
Received Date: 5/11/2023

Response Date: 5/16/2023

Question 03:

Regarding SCE's Branch Line Protection Strategy:

- a. In Table 8-3, SCE provides two target numbers for 2023 for installing or replacing fusing, with a base target of 500 and a strive target of 570. Given SCE does not provide targets past 2023, and given any of the 570 fuses are not completed in 2023, will SCE install or replace these fuses in future years?
- b. Why is SCE sunsetting this program in 2023?
- c. What does SCE mean by "completed via opportunity work"? How many fuses does SCE estimate this would relate to per year?

Response to Question 03:

a. In Table 8-3, SCE provides two target numbers for 2023 for installing or replacing fusing, with a base target of 500 and a strive target of 570. Given SCE does not provide targets past 2023, and given any of the 570 fuses are not completed in 2023, will SCE install or replace these fuses in future years?

SCE expects to complete the fusing mitigation installation or replacement targets of between 500-570 locations as identified in the WMP. If there is select fuse scope that is not completed in 2023, it would then be evaluated for targeted or opportunity replacement in future years. SCE's fusing mitigation efforts were initiated in 2018 with the main focus on application of branch line fuses where fusing did not exist through 2019. SCE's WMP strategy from 2020-2023 has been mainly focused on replacement of existing fuses through targeted scope work efforts. During the years 2018-2023, and prior years, SCE has additionally completed opportunity-based fuse replacements, and is shifting the fusing mitigation program primarily to this approach for 2024+ in the WMP.

b. Why is SCE sunsetting this program in 2023?

SCE is sunsetting the targeted wildfire mitigation effort where the fuse installation replacements are the primary driver for the scope of work at a given location. The fusing replacements have historically been selected where the fusing work is the primary driver for work at the specific location. The fusing installation locations are selected based on the fuse type and ignition risk at the installation. Please see the response for part c of this question for further details on the shift in replacement strategy for the remaining installations of fuse types of interest, such as fuse links.

c. What does SCE mean by “completed via opportunity work”? How many fuses does SCE estimate this would relate to per year?

The reference to Table 8-3 for quoted text “completed via opportunity work” is meant to provide recognition that fuses will continue to be replaced after 2023 via methods other than pre-defined scope, as has been conducted in prior years, for the targeted replacements. Opportunity work for fuse replacement includes various operational activities such as bundling fuse replacement with covered conductor, replacement of fuses which operate (melt) to isolate a fault, or replacement of a car hit pole which also contained fuses. SCE has not conducted detailed analysis to quantify opportunity fuse replacement quantities. However, SCE estimates the selective HFRA fuse applications for opportunity replacements likely range from several hundred to potentially up to a thousand or more installations annually.