

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 T U R N - S C E - 0 0 9

To: TURN

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Received Date: 3/18/2021

Response Date: 3/23/2021

Question 002:

In the response to TURN-SCE-006, Q4, SCE indicates that covered conductor will reduce approximately 64% of HFRA wildfire risk. The risk curve provided in response to TURN-SCE-007, Q1 appears to show a risk reduction to approximately less than 20% (.2) at the 4,000 mile mark of HFRA Circuit Mileage.

- a. Please explain this apparent contradiction. Provide all relevant workpapers and calculations
- b. Does SCE contend that mitigation effectiveness for their proposed mitigations can eliminate wildfire risk? If not, why does the curve show a reduction of risk to zero?
- c. Please provide the workpapers that shows the “risk bought down” for each circuit mile in the curve provided in response to TURN-SCE-007, Q1.
- d. If SCE does not expect 100% mitigation effectiveness from its mitigation measures, please provide the expected amount of risk (in percentage terms) that will remain in SCE’s HFRA after covered conductor is deployed. Please explain how this was calculated and provide all workpapers in Excel.

Response to Question 002:

a) The curve in SCE’s response to TURN-SCE-007, Q1 reflects the wildfire risk for each circuit segment in HFRA associated with conductor without any mitigations applied. SCE’s response to TURN-SCE-006, Q4 reflects the deployment of covered conductor in consideration of its mitigation effectiveness and any constructability/feasibility issues associated with the scope. Please note that some of this deployment scope was based on prior risk models.

For workpapers and calculations related to covered conductor mitigation effectiveness, please refer to SCE’s response to TURN-SCE-006, Q4 submitted on March 17, 2021. The requested workpapers may be found in the attachments to SCE’s response, which is the Excel spreadsheet entitled “004_CONFIDENTIAL_TURN-SCE-006_Q3_Q4_workpaper_20210317.xlsx,” and the R programming script entitled “004_01_turn_sce_006_q3_q4_workpaper_script_20210317.R.” For the workpapers on the risk curve, please see SCE’s response to part c) of this Question in this response.

b) No. As discussed in part a), SCE clarifies that the curve in SCE’s response TURN-SCE-007, Q1 reflects the wildfire risk for each circuit segment in HFRA associated with conductor without any mitigations applied.

c) For the risk curve workpapers, please see the Excel spreadsheet entitled “004_CONFIDENTIAL_TURN-SCE-006_Q3_Q4_workpaper_20210317.xlsx” that was attached to SCE’s response to TURN-SCE-006, Q4 submitted on March 17, 2021.

d) SCE estimates the remaining risk to be approximately 36% based on evaluation of the scope of work identified in the 2020-2022 WMP (4,000 miles). This estimate is based on the analysis used to respond to TURN-SCE-006, Q4 and uses the same response’s workpapers.