

Southern California Edison
MESA PTC A.15-03-003

DATA REQUEST SET A1503003 ED-SCE-06

To: ENERGY DIVISION
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Title: Project Engineer
Dated: 10/30/2015

Question 03.c:

Alternatives: Load Shedding and Reconductoring

CPUC is evaluating an alternative that would involve load shedding in Mission Viejo and reconductoring the Serrano – Villa Park #1 and Serrano – Villa Park #2 transmission lines to increase their capacity. Reconductoring would utilize three 1500-ampere conductors per phase. The intent of load shedding in Mission Viejo would be to address the voltage issues following the 500-kV N-1-1 contingency. The intent of reconductoring the Serrano–Villa Park #1 and Serrano–Villa Park #2 transmission lines would be to increase their capacities to prevent overload on either line following the 230-kV contingency. Preliminary analysis indicates this alternative could address the 230-kV contingency and 500-kV contingency.

Provide the following information regarding this potential alternative to allow for full analysis:

- C. If SCE does concur in (A), provide a description of work that would need to be done to implement this alternative, including, if relevant:
 - a. Tower replacement or modification
 - b. Reconductoring
 - c. Access road construction/alteration
 - d. Substation modifications
 - e. Telecommunications work

Response to Question 03.c:

Because the responses provided in Questions 3.a and 3.b indicate that SCE does not concur with the potential alternative, there is no need to provide a description of work for this alternative.