

Proceeding Number: A.15-03-003
Proceeding Name: MESA PTC

Date: 05/16/2016

Responses Due: 05/31/2016

To: Lisa Orsaba
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Data Request No: A1503003-SCE-ED-01

In September 2015, Energy Division provided SCE with powerflow data (specifically, PowerWorld models) via CD which served to provide clarity to facilitate SCE's response to CPUC Data Request #5.

It is SCE's understanding that these models were representative of the analysis performed by ELCON (on behalf of the ED) at that time. It is also SCE's understanding that these models were updated and utilized to evaluate the alternatives presented in the DEIR. Based on this understanding, SCE would like to request the following information.

Questions:

1. Re the One 1600 MVA Transformer Alternative
 - a. Please provide the PowerWorld Simulator model utilized to evaluate this alternative and arrive at the results contained in Appendix B.
 - b. Does the proposed 1600 MVA transformer consist of three 533 MVA single phase transformers or is it a single 3-Phase 1600 MVA transformer?
 - c. Please confirm the normal and emergency rating of the 1600 MVA Transformer used by ELCON in performing the analysis.
 - d. The DEIR states that the transformer assessed in this alternative is a "1600 MVA 500/220 kV transformer with greater than 10% impedance." Was a system study performed to determine the impedance for the 1600 MVA transformer represented in the PowerWorld Simulator model? If not, how was the impedance determined?
2. Re the Two 1120 MVA Transformer Alternative

- a. Please provide the PowerWorld Simulator model utilized to evaluate this alternative and arrive at the results contained in Appendix B.

Provide electronic responses if possible, and set of hard copy responses with your submittal, and the data request originator. All data responses need to have each page numbered, referenced, and indexed so worksheets can be followed. If any number is calculated, include a copy of all electronic files so the formula and their sources can be reviewed.

If you have any questions regarding this DR, please call originator at above phone number.