

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

DATA REQUEST SET A1503003 ED-SCE-05

To: ENERGY DIVISION
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Title: Power System Planner
Dated: 09/18/2015

Question 05.a:

One of SCE's stated purposes of the proposed project is to address a thermal overload on the Serrano–Villa Park No. 2 230-kV Transmission Line caused by an N-1-1 outage of the Lewis–Serrano No. 1 230-kV Transmission Line followed by an outage of the Serrano–Villa Park No. 1 230-kV Transmission Line (“230-kV N-1-1 contingency”). However, the CPUC has insufficient power flow data to substantiate this claim.

Further, the CAISO 2013–14 Transmission Plan states that the Mesa Substation Project would address the N-1-1 scenario involving an outage of the Eco-Miguel 500-kV Transmission Line followed by an outage of the Ocotillo-Suncrest 500-kV Transmission Line, but the Transmission Plan does not state that the Mesa Substation Project would address a 230-kV N-1-1 contingency.

- A. State whether the proposed project is meant to address overloads on the Serrano – Villa Park No. 2 230-kV Transmission Line following the 230-kV N-1-1 contingency.

Response to Question 05.a:

Yes, the Proposed Project is intended to address overloads on the Serrano – Villa Park No. 2 230 kV Transmission Line following an N-1-1 contingency.