

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

**DATA REQUEST SET A1503003 ED-SCE-02 Follow-Up**

**To:** ENERGY DIVISION  
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**Question 02.C (05-01):**

In its response to Data Request #2, SCE stated it could not import additional energy into the Western Los Angeles Basin without the Mesa Project.

It is understood that Lugo Substation provides the main connection between the Western Los Angeles Basin and the PG&E service territory and the Pacific Northwest via the 500-kV bulk transmission system. The Lugo Substation is connected to the Mesa Substation with 220-kV connections.

CPUC's examination of power flow data found that the 220-kV connections between Lugo Substation and Mesa Substation would not experience overloads and therefore would be capable of delivering enough energy to meet load in the Western Los Angeles Basin at SCE's projected need date for the proposed project.

Please provide the following information:

- C. State how much load (in MW) critical lines would carry without implementation of the proposed project.

**Response to Question 02.C (05-01):**

SCE is interpreting the statement "how much load (in MW) critical lines would carry" as referring to the loading after the critical contingency on lines in the Serrano corridor. Under this contingency, the Serrano – Villa Park No. 1 is loaded to 1,622 MW; 113 percent of its 4 hour emergency rating.