

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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Title: Power System Planner
Dated: 08/06/2015

Question 02.B (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:

- B. State the additional level of forecasted megawatts that would be imported via the proposed Mesa Substation Project.

Response to Question 02.B (05-01):

The specific amount of power imported via Mesa substation is dependent on a variety of factors such as dispatch in adjacent balancing areas, generation development, and load levels. Though the increase in actual import capability has not been quantified, CAISO estimated that at a minimum, with all other mitigation implemented, the Proposed Project would offset the need for 300-640 MW of new generation which would be located in the Western LA Basin.