

Southern California Edison
Presidential Substation Project A.08-12-023

DATA REQUEST SET Presidential ED-03 (Part 1)

To: CPUC

Prepared by: Jack Haggemiller

Title: Field Engineering Project Manager

Dated: 05/19/2009

Question 05:

Project Description

The PEA describes constructing one vacant position on the 66 kV switchrack for future use and 15 empty (of the 22 total) positions on the 16 kV switchrack, for ultimate build out. When would ultimate build out be expected and what is involved? Would future use include another 66 kV source line?

Response to Question 05:

SCE's annual planning process forecasts load at individual substations for a 10 year period of time. The current 10 year planning forecast, which includes Presidential Substation being built in 2011, does not show Presidential Substation reaching build out within that period. SCE does not have a forecast of when the ultimate build out would be required, other than it is expected to occur beyond the 10 year planning window. The ultimate build out would involve installation of two additional 28 MVA, 66/16 kV transformers, two additional 4.8 MVAR 16 kV capacitors, and 8 additional 16 kV circuits. To accommodate 8 additional 16 kV circuits, the 16 kV rack would need to be extended and a second 16 kV operating bus would also need to be installed.

The Presidential Substation would be designed to accommodate a future 66 kV source line; however, there are currently no identified projects planned to install another 66 kV source line.