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

DATA REQUEST SET A.15-03-003 ED-SCE-01

To: ENERGY DIVISION
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Title: Transmission Engineer
Dated: 05/22/2015

Question Q.20:

Relative Heights of Existing and New Structures

In the assessment of impacts for views with visual simulations for KOPs 1 through 13, a number of references are made to new or replacement structures being relatively (i.e., "somewhat") shorter or taller than existing structures. Where these references occur, identify the heights of the existing and new structures or the relative height differences (e.g., "three LSTs and one TSP replace five existing towers that range between 10 and 20 feet shorter than the replacement structures" or "the three new LSTs will be approximately 20 feet taller than the five existing LSTs they are replacing"). In addition to heights of LSTs and TSPs, provide approximate or relative heights of the other major elements discussed, including the switchracks, transformer racks, operations building, test and maintenance building, and perimeter wall.

Response to Question Q.20:

The heights of the existing 500 kV lattice steel towers (LSTs) range from approximately 150 feet to 181 feet. The heights of the proposed 500kV LSTs will range from approximately 140 feet to 200 feet.

The heights of the existing 220 kV LSTs range from approximately 114 feet to 150 feet. The heights of the proposed 220kV LSTs will range from approximately 113 feet to 190 feet. The heights of the proposed tubular steel poles (TSPs) will range from approximately 100 feet to 180 feet.

The heights of the remaining Project elements are as follows:

500 kV line dead end structures: 135 feet
500/220 kV transformer dead end structures: 135 feet
220 kV line dead end structures (proposed and existing): 65 feet
220/66 kV transformer dead end structures (proposed and existing): 65 feet
Operations Building: 30 feet
Test and maintenance Building: 25 feet
Perimeter Wall: 10 feet