

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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Question Q.43:

Sensitive Receptors

The updated Localized Significance Threshold (LST) analysis results assume presence of receptors located at a distance of 280 feet from the Mesa Substation site and 100 feet from the transmission and subtransmission. Justify these assumptions and provide the location of these receptors.

Response to Question Q.43:

The distance to the closest receptors for the planned activities at Mesa Substation and transmission and subtransmission work were previously calculated based on parcel lines at Mesa Substation in the Proponent's Environmental Assessment (PEA). However, grading and construction of the perimeter wall, would also take place on adjacent remnant parcels to be acquired by SCE. The nearest sensitive receptor to the Mesa Substation construction activities in this location is a residence located at 527 Potrero Grande Drive in Monterey Park. This residence is located approximately 160 feet from the Mesa Substation site. The closest receptor to the transmission and subtransmission work is located at 956 Coriolanus Drive in Monterey Park. This residence is located approximately 55 feet from planned construction activities in the right-of-way (ROW).

As a result, the localized significance threshold has been recalculated to account for these changes. An updated results table has been developed and is presented in the attachment entitled Revised Localized Significance Threshold (LST) Analysis (06-01-15S). As shown, with the adjusted nearest receptor distance, for construction at Mesa Substation, peak daily emissions of particulate matter less than 2.5 microns in diameter (PM_{2.5}) would exceed the applicable threshold for the nearest sensitive receptor. The results for the remaining pollutants would not change from the results in the final PEA.

As outlined in the South Coast Air Quality Management District's localized significance threshold methods, if the closest receptor to a project is less than 25 meters away, which is the case for construction in the ROWs adjacent to Mesa Substation, the localized significance threshold at 25 meters should be used for the analysis. The table presented in the attachment entitled Revised LST Analysis (06-01-15S) has been updated to reflect these 25-meter localized significance thresholds for construction activities in the ROW. As shown, the proposed construction activities within the ROWs would not exceed the applicable localized significance

thresholds and the analysis presented in the PEA adequately addresses the potential impacts at this location.