

Southern California Edison
WODUP A.13-10-020

DATA REQUEST SET A.13-10-020 WODUP ED-SCE-01

To: ENERGY DIVISION
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Question PD-06:

Project Description

PD-6 In Segment 1, between San Bernardino Junction and the area of Barton Road, the proposed 220 kV towers have spans that are roughly one-half of the length of the existing spans, resulting in a doubling of the number of structures in this area. What predicated the use of additional structures? Please explain whether this is an operational or a construction-based design decision.

Response to Question PD-06:

There are currently 21 sets of towers located in Segment 1 between the San Bernardino Junction and San Bernardino Substation. Based on SCE's current design, the Project will require approximately 26 sets of new structures to be installed in their place. While this is an increase in total number, it is not double.

In addition, the average span length in this Segment is shorter than the span lengths in other Segments due to the fact that this corridor is significantly more narrow than the others, with many locations where houses have been built near their back fence lines. SCE transmission engineers have elected to reduce the span lengths in this area to minimize the calculated blow-out distance that the phase conductors would travel during extreme wind events, which is an operational consideration.