

*Southern California Edison*  
**Moorpark-Newbury A.13-10-021**

**DATA REQUEST SET A1310021 Moorpark-Newbury-ED-SCE-05**

**To:** ENERGY DIVISION

**Prepared by:** Kevin Darney

**Title:** Project Mgr, Transmission Project Delivery L&E

**Dated:** 03/20/2015

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**Question Q.01:**

The construction noise estimates presented in the PEA for “conductor install” activities assumes the operation of many pieces of equipment in the immediate vicinity each other, including several trucks, pullers, a tensioner, and a backhoe. Please confirm that activities associated with these noise sources would be limited to the various stringing locations identified in the PEA.

**Response to Question Q.01:**

These assumptions are correct for activities related to "conductor install" at stringing locations. Please refer to the PEA, Table 3.7-8b: Subtransmission Construction Equipment and Workforce Estimates, Future Activities.

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**Question Q.02:**

Provide an estimate of the construction equipment types and amounts that would operate at a single Tubular Steel Pole (TSP) location during conductor installation.

**Response to Question Q.02:**

The types of construction equipment that could operate at any given TSP location would be as few as one bucket truck to install and remove rollers on the TSP arms before and after conductor installation to the amounts and types as described in the PEA, Table 3.7-8b: Subtransmission Construction Equipment and Workforce Estimates, Future Activities (page 3-84 “Remove Existing Conductor & Ground Wire” and pages 3-85 & 3-86 “Install Conductor”).

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**Question Q.03:**

Provide an estimate for the maximum amount of time (e.g., days or weeks) that would be required for construction activities at each of the stringing locations and at each TSP location to install conductor.

**Response to Question Q.03:**

The estimated time required for conductoring one section of spans would be approximately one week at the wire/tensioner site and at the puller site. Conductor installation (wire stringing activities) would be conducted in accordance with SCE common practices and similar to process methods detailed in the IEEE Standard 524-2003 (Guide to the Installation of Overhead Transmission Line Conductors) and as mentioned in the PEA Section 3.7.2.3 "Conductor/Cable Installation." Typically, the wire reel and tensioning machine is set up at the "conductor payout" location, while the puller is set up at the end of the section being strung. Currently, no conductoring plan has been developed but normally the conductoring sequencing would be from the wire payout site 1 to the wire puller site 2. The next conductoring section would then occur from sites 2 to 3, and so on. Therefore, because site 2 is used for conductoring two sections, the estimated time onsite at site 2 would actually be approximately 2 weeks as site 2 is used for pulling in the first section and would also be used for pulling in the second section between sites 2 to 3.

At each TSP location, rollers would be installed on each arm prior to stringing and then removed after stringing is completed. The time required to install the rollers at each TSP location would take approximately 1 hour and approximately 2-3 hours to clip-in the conductors and remove the rollers at each TSP location.

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**Question Q.04:**

Provide an estimate of the equipment types and amounts that would be required to improve the access road off Ventavo Road near Hitch Road, as well as the access road near Ternez Drive and Ventavo Road. Also, provide an estimate of the maximum amount of days that would be required to complete each of these road improvements.

**Response to Question Q.04:**

The equipment that would be used to improve the two access points at Ventavo and Hitch Roads to the ROW would be two to three string trimmers, one backhoe, one flatbed 1-ton stake truck (brush haul), and one 8-10 yard dump truck & trailer (for backhoe). The amount of time required to improve this location would be approximately 2-4 hours of brushing with string trimmers and about 2 hours for light blading with the backhoe. Should any brushing, and/or light blading be required at the Ternez Drive access road (unpaved section) that heads east off of Ventavo Road, the same equipment listed above would be used for a lesser period of time as this road is maintained fairly well by the property owner/grove operator.

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**Question Q.05:**

Provide an estimate of the number of days that would be required for TSP foundation installation for a single TSP site.

**Response to Question Q.05:**

The estimated time to install a TSP foundation would be approximately two days; one day to auger the hole and set the reinforcement cage and a second day to pour concrete. Although not necessarily likely, some additional time may be involved if hard rock or caving is encountered during augering.