

*Southern California Edison*  
**RTRP A.15-04-013**

**DATA REQUEST SET A1504013 ED-SCE-09**

**To:** ENERGY DIVISION  
**Prepared by:** Roman Vazquez III, P.E.  
**Title:** Project Engineer  
**Dated:** 09/29/2017

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**Question PD-1:**

Verify the dimensions of project structures and work spaces included in Attachment A and Attachment B.



Attachment A\_Detailed Comparison Table.docx



Attachment B\_Project Description Table\_092117.docx

**Response to Question PD-1:**

Please see the attached files for response.

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**Question PD-2:**

**Verify the size (length x width x depth) of each vault structure, dimensions of manholes (length x width), and number of individual manholes per vault for each of the vault types listed below:**

- **Transmission Line Vault**
- **Distribution Line Vault**
- **Telecommunication Vault**

The information will be used to verify the permanent disturbance impact acreage that was provided in the Project Description (Data Request #3). Please clarify If the manhole dimensions or number would vary depending on site conditions (natural area or road).

**Response to Question PD-2:**

Regarding the transmission vaults, SCE has not made changes to the transmission and telecommunications vault dimensions since it provided data request response to question 14 in the "A.15-04-013 RTRP-CPUC Deficiency Report-SCE-004 Supplemental" response. The transmission vault length is currently anticipated to be approximately 50 feet in length but could change after final engineering. SCE interprets Panorama's use of the word "manhole" to mean the same as a "concrete lid" to access the vaults. Each transmission vault will likely have two (2) 8 feet x 5 feet concrete lids. When the surrounding ground surface is asphalt or concrete, only the 8 feet x 5 feet concrete lid will be visible. When the surrounding ground surface is soil or grass, an additional 3 feet wide sloping concrete apron may be incorporated around the perimeter of each 8 feet x 5 feet concrete lid.

Each distribution vault is anticipated to be approximately 10 feet x 6 feet x 6 feet with either one (1) 30-inch diameter cast iron lid or one (1) 4 feet x 4 feet concrete lid with an incorporated 30-inch diameter cast iron lid.

Each telecommunications vault, also referred to as manholes in prior data requests, will have either one (1) 30-inch diameter cast iron lid or one (1) 4 feet x 4 feet concrete lid with an incorporated 30-inch diameter cast iron lid.

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**Question PD-3:**

**Clarify excavation dimensions for the telecommunications vaults and whether or not the dimensions are for a vault with attached manhole.**

The excavation dimensions for installation of the telecommunications manholes in the area of the underground 230-kV transmission line (8 feet long by 5 feet wide by 5 feet deep excavation) conflict with the dimensions provided for the telecommunications manholes in the area of the distribution lines (4-foot-long by 4-foot-wide by 6-foot-deep manhole structure). Please clarify the excavation dimensions and verify that the appropriate dimensions include the telecommunications vault with attached manhole (not just a manhole).

**Response to Question PD-3:**

The anticipated excavation dimensions for the standard telecommunications manhole/vault, including the lid and necking is 7 feet x 7 feet x 9 feet deep. This includes a 1 ft excavation buffer around the perimeter of the 5 foot x 5 foot vault plus additional depth for soil compaction below.