

Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A1504013 ED-SCE-01

To: ENERGY DIVISION
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Question 19:

Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013 Data Needs

GIS

The preliminary engineering design that SCE provided in response to Deficiency Report #2, Question 1 on February 9, 2016 is inadequate because it does not include all project components and adequate details regarding project structures. Provide updated GIS that includes the following elements:

- Boundary for the Wildlife Substation (excluding the RPU Wilderness Substation area)
- 230-kV conductor field snub areas
- Telecommunication lines between:
 - Mira Loma Substation – Wildlife Substation
 - Pedley Substation – Wildlife Substation
 - Vista Substation – Wildlife Substation
- Distribution lines that will be relocated as a result of the proposed project (included in Figure 2.3-8 of the 2013 RTRP FEIR).
 - Identify the location of additional ROW that will be acquired to accommodate the relocation, if needed.
 - Identify the voltages of all distribution lines that need to be relocated.
- All proposed temporary work areas including
 - Conductor stringing pull and tension areas
 - Storage yards
 - Marshalling yards
 - Helicopter fly yards
 - Guard structures
- Updated metadata for transmission line structures that identifies structure type and proposed (approximate) height for each structure.
- Updated access roads identifying the entire road to be utilized from paved city roadway to project feature. Include metadata that identifies each road as a permanent or temporary access road.

Response to Question 19:

Attached please find a Geographic Information System (GIS) map package presenting the information requested. Please note, for all aspects of the information requested, the GIS data presented here is based on planning level assumptions, analyses performed to date, and known conditions. The precise design and/or location of RTRP project components are subject to change in response to various factors, including the CPUC's final approval of RTRP's CPCN, completion of final engineering, changes to and/or verification of existing field conditions, identification of new field conditions, system outage constraints, availability of labor, material, and equipment, and compliance with applicable environmental and/or permitting requirements.

The GIS map package specifically includes the following:

- A. Boundary for Wildlife Substation (excluding the RPU Wilderness Substation Area). The current Wildlife Substation boundaries as reflected in the attached documentation was provided by the customer, Riverside Public Utilities (RPU). (*See* page 01 of the attached file "20160518_DataRequest1_Num19_StripMap.pdf").
- B. Field snub area is included with the stringing info presented in response to subpart "E" (temporary work areas) below.
- C. Telecommunication lines. The Telecommunications path from the Wildlife Substation to the Mira Loma and Vista Substations will be created using new fiber optic cable (Optical Ground Wire) to be installed on the new proposed 220 kV line from Wildlife Substation to the existing Mira Loma-Vista 220 kV line. From this intercept point, SCE's telecommunications will run on the existing Mira Loma-Vista Fiber Optic Cable.
 - a. Pedley Substation to Wildlife Substation and Mira Loma Substation to Vista Substation. (*See also* Path 1 in Section 2.3.6 *New Telecommunication Facilities of RTRP* , Final EIR at page 2-41.)
 - b. New proposed Fiber Optic cable from Wildlife Substation to Pedley Substation. (*See also* Path 2 in Section 2.3.6 *New Telecommunication Facilities of RTRP* , Final EIR at 2-41.)
 - c. SCE intends to utilize a planned RPU fiber optic cable to connect the Vista Substation to the Wildlife Substation. (*See also* Path 3 in Section 2.3.6 *New Telecommunication Facilities of RTRP* , Final EIR at 2-43.)
- D. Distribution Lines. Please note, the distribution lines at the locations identified below that are to be relocated and/or removed are all 12 kV with the exception of Location 5 where there is one span of 66 kV. The designations for each of the following distribution line locations are the same designations provided in the RTRP Final EIR beginning at page 2-33 of Section 2.3.5 SCE Relocation of Distribution Lines. *See also* Figure 2.3-8 *Relocation of Distribution Lines (Revised)* at page 2-39 of the Final EIR. RTRP's Final EIR can be found at the following website:

<https://www.riversideca.gov/utilities/files/2012/RTRP%20Final%20Volumes%201-2.zip>

 - a. Location 1: This overhead section will be removed and the facilities relocated underground within franchise on Wineville Ave. No additional right-of-way

(ROW) is anticipated to be required. (*See* page 15 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf").

- b. Location 2: This overhead section adjacent to the I-15 freeway (below proposed structure JD19) will be removed. These facilities are no longer required and would not be relocated. No additional ROW is anticipated to be required. (*See* page 14 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf").
- c. Location 3: This overhead section along Bellegrave Ave. crossing Interstate 15 (below proposed structure JD16) is currently expected to be removed and no longer be required. However, if upon final engineering these facilities are determined to be necessary, SCE anticipates that they will be placed underground within franchise as depicted in the attached strip map (*see* page 14 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf"). For purposes of analyzing the potential disturbance, Table 2.5-3a. *Land Disturbance Estimates* and the air emission calculations conservatively reflect the disturbance that would result from undergrounding these lines, given that undergrounding is anticipated to create relatively greater disturbances than simply removing the overhead facilities. Table 2.5-3a is being separately submitted in response to Deficiency Report No. 4, Question 4, and the air emission calculations are being separately submitted in response to Deficiency Report No. 4, Question 18. No additional ROW is anticipated to be required.
- d. Location 4: Distribution facilities that once existed near proposed structures V12 and V13 were removed for the construction of the Riverbend residential development (south of 68th Street in Jurupa Valley, California) by Lennar Homes of California, Inc. These facilities are not depicted in the attached stripmap. (*See* page 10 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf").
- e. Location 5: Two distinct areas between structures I5 and I6/JA1 (*See* page 9 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf")
 - i. One overhead span will be addressed during final engineering. Initially this conflict was expected to be addressed by converting the existing facilities to underground. However, preliminary engineering suggests such undergrounding may not be feasible due to the slope of the terrain. SCE currently anticipates that the existing overhead facilities will be lowered on the existing poles or would be relocated approximately 20 feet to the north and remain overhead. For purposes of analyzing the potential disturbance, Table 2.5-3a. *Land Disturbance Estimates* and the air emission calculations conservatively reflect the disturbance that would be represented by undergrounding these facilities, which SCE anticipates to be greater than the disturbance due to the relocation of the overhead facilities. Additional ROW is anticipated to be required.
 - ii. A second overhead section contains 12 kV facilities that are on shared poles with idle 66 kV facilities. The 66 kV facilities will be removed and the distribution facilities are anticipated to be lowered in-place on the existing structures or, if this is found to infeasible during final

engineering, such facilities would be removed and relocated overhead on the north side of the proposed 220 kV line within existing SCE fee-owned property. No additional ROW is anticipated to be required.

- f. Location 6: This overhead section will be removed and the facilities relocated overhead to the north of structure AX21/D1. Additional ROW is anticipated to be required. (*See* page 04 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf")
 - g. Location 7: This overhead section will be removed and the facilities relocated underground between structures AX17 and AX19. Additional ROW is anticipated to be required. (*See also* page 03 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf")
 - h. Location 8: This overhead section will be removed and the facilities relocated underground between structures AX1 and AX4. Additional ROW is anticipated to be required. (*See* page 01 of attached file "RTRP_CPUC_DataRequest1_Num19.pdf")
- E. All proposed temporary work areas:
- a. Conductor stringing pull and tension areas
 - b. Storage yards are the same yards as the marshalling yard.
 - c. Marshalling yards already identified.
 - d. There are no helicopter fly yards identified for this project.
 - e. Guard structures are preliminary and subject to change with updated information.
- F. Updated metadata for transmission line structures that identifies structure type and proposed (approximate) height for each structure. Updated metadata for the proposed transmission line is also included in the map package.
- G. Updated access road data identifying roads SCE intends to utilize to access each project feature from paved roadways. Included is metadata that identifies each road as a permanent or temporary access road. The access roads are preliminary and subject to change with updated information. Dirt roads identified will be for temporary construction access at this time.
- H. Updated GDAD Strip Map ("RTRP_CPUC_DataRequest1_Num19.pdf") showing areas of potential temporary or permanent construction.