PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298

March 17, 2017

Pat Adams, Principal Advisor
Southern California Edison Company
8651 Rush St., 2nd Floor
Rosemead, CA 91770
Email: Patricia.Adams@sce.com

RE: Data Request #4 - Certificate of Public Convenience and Necessity for the Riverside Transmission Reliability Project – Application No. A.15-04-013

Dear Ms. Adams,

The California Public Utilities Commission's (CPUC) Energy Division CEQA Unit has completed its review of Southern California Edison's (SCE's) Application (A. 15-04-013) for a Certificate of Public Convenience and Necessity (CPCN) for the Riverside Transmission Reliability Project (RTRP) and SCE's responses to Deficiency Reports and Data Requests.

The CPUC is evaluating alternatives to the revised project in accordance with CEQA Guidelines. The CPUC has identified additional data needs to evaluate the impacts of the alternatives in the Subsequent EIR. These data needs are identified in the attached Request for Additional Data.

Information provided by SCE in response to this Request for Additional Data should be filed as supplements to Application A. 15-04-013. One set of responses should be sent to the Energy Division and one to our consultant, Panorama Environmental, in both hardcopy and electronic format. We request that SCE respond to this request no later than April 14, 2017. Please let us know if you cannot provide the information by this date. Delays in responding to these data needs will result in associated delays in preparation of the Subsequent EIR.

The Energy Division reserves the right to request additional information at any point in the application proceeding and during subsequent construction of the project should SCE's CPCN be approved.

Please direct questions related to this application to me at (415) 703-5484 or Jensen.Uchida@cpuc.ca.gov.

Sincerely,

Jensen Uchida
Project Manager
Energy Division, CEQA Unit

cc: Mary Jo Borak, Supervisor
Jack Mulligan, CPUC Attorney
Jeff Thomas, Panorama Environmental, Inc.

REQUEST FOR ADDITIONAL DATA: DATA NEEDS #4 FOR THE RIVERSIDE TRANSMISSION RELIABILITY PROJECT - APPLICATION (A. 15-04-013)

REPORT OVERVIEW

The California Public Utilities Commission (CPUC) has identified several areas where more information is needed to analyze alternatives to the proposed project in accordance with the requirements of the California Environmental Quality Act (CEQA), as follows:

Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013 Data Needs #4

Number	Data Need
Alternatives	
ALT-1	**The CPUC requests preliminary engineering for potential alternatives listed below** 1. Alternative 1: Bellegrave – Pats Ranch Road Underground (see Figure 2). The alternative would transition to an underground position adjacent to the tie-in to Mira Loma – Vista 230 kV #1 Line. The transmission lines would travel south under Wineville Road to Bellegrave Avenue. From this intersection, the lines would travel west under Bellegrave to Pats Ranch Road. At Pats Ranch Road, the lines would turn south and remain underground within the right-of-way for Pats Ranch Road to Limonite Avenue. 2. Alternative 2: Wineville - Limonite Underground (see Figure 3). The alternative would transition to an underground position adjacent to the tie-in to Mira Loma – Vista 230 kV #1 Line. The transmission lines would travel south under Wineville Road to Limonite Avenue. The transmission lines would turn west at Limonite Avenue and remain underground within Limonite Avenue to Pats Ranch Road. 3. Alternative 3: Riser Pole Relocation and Wineville - Landon Underground (see Figure 4). The alternative would transition to an underground position adjacent to the tie-in to Mira Loma – Vista 230 kV #1 Line. The transmission lines would travel south under Wineville Avenue to Landon Drive. The lines would head west under Landon Drive. Just west of the terminus of Landon Drive the lines would transition to overhead. The transmission lines would follow the location of the revised project overhead lines adjacent to the I-15 freeway. Near Limonite Avenue, the riser pole would be relocated approximately 0.25 mile north-northwest of the proposed position and within the revised project alignment. The underground transmission line would follow the revised project alignment underground from the relocated riser pole. **The following details shall be provided for each alternative:** 1. Layout of each alternative: a. Indicate approximate location and height of riser poles (transition from overhead to underground).

Table 1: SCE Riverside Transmission Reliability Project Application 15-04-013 Data Needs #4	
Number	**Data Need**
	b. General duct bank alignment and minimum lateral spacing between duct banks. c. Indicate preliminary location of splice vaults. 2. Number of underground cables per circuit. 3. Number of duct banks per circuit. 4. Duct bank configuration: a. Height, b. Width c. Number of ducts d. Depth of burial e. Phase arrangement f. Include approximate size of trench excavation. 5. Type of splice vault, e.g. Pre-cast or CIP. 6. Splice vault size including approximate size of excavation necessary to place vaults. 7. For cut and cover construction method, identify the average and maximum width and length of area to be under construction at a given time. 8. Identify if there are any possible locations where jack and bore or horizontal directional drilling construction methods would be used. If these are to be used, provide construction details such as location and length, size of excavations, etc. 9. EMF modeling for proposed underground circuit configuration for a width of 200 feet. Include any proposed low-cost or no-cost EMF measures consistent with CPUC requirements. 10. Any additional construction staging areas or yards necessary for the identified alternatives. 11. Anticipated total construction duration for the underground portion of alternatives.

Figure 1: Bellegrave - Pats Ranch Road Underground

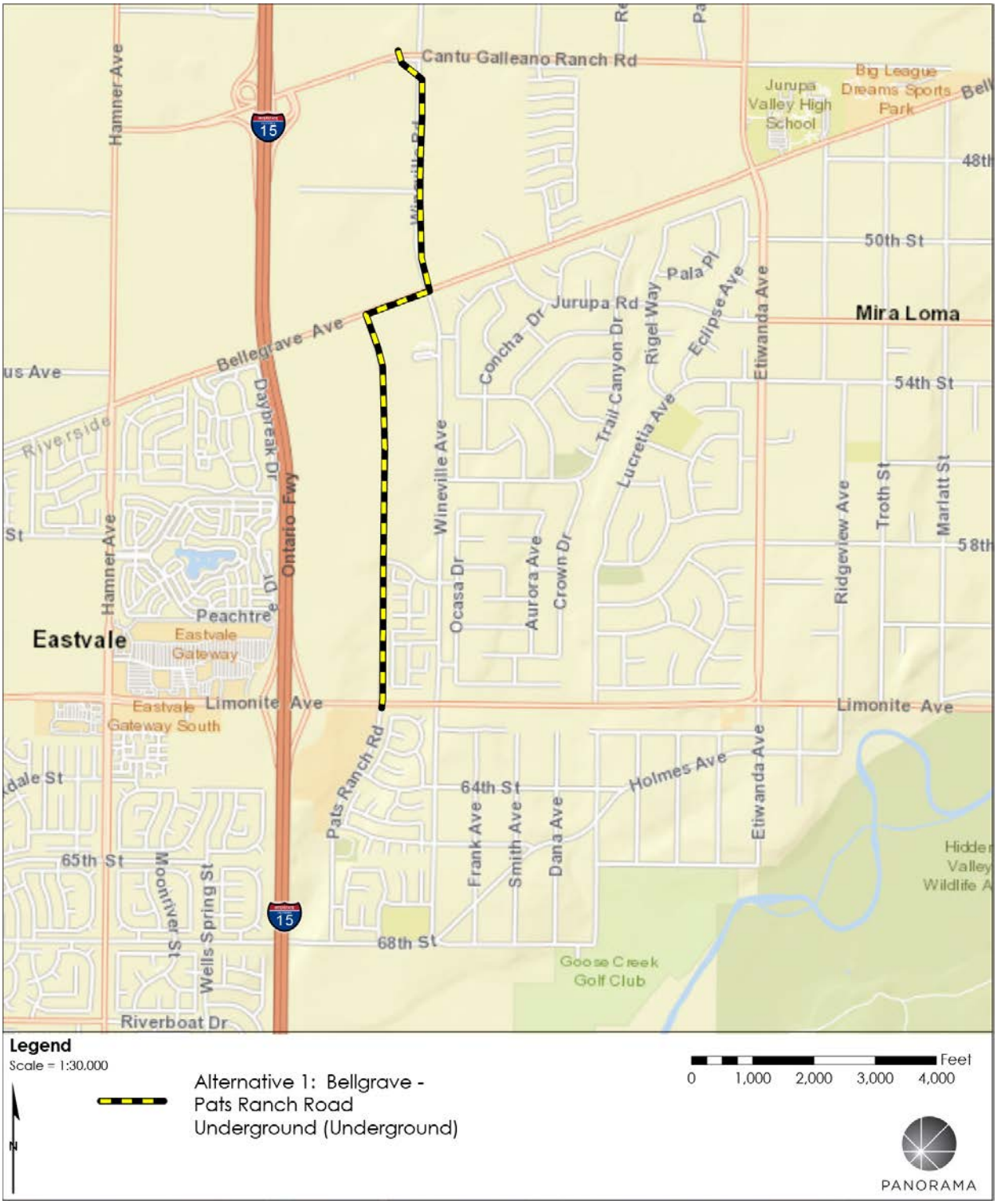

Figure 2: Wineville – Limonite Underground

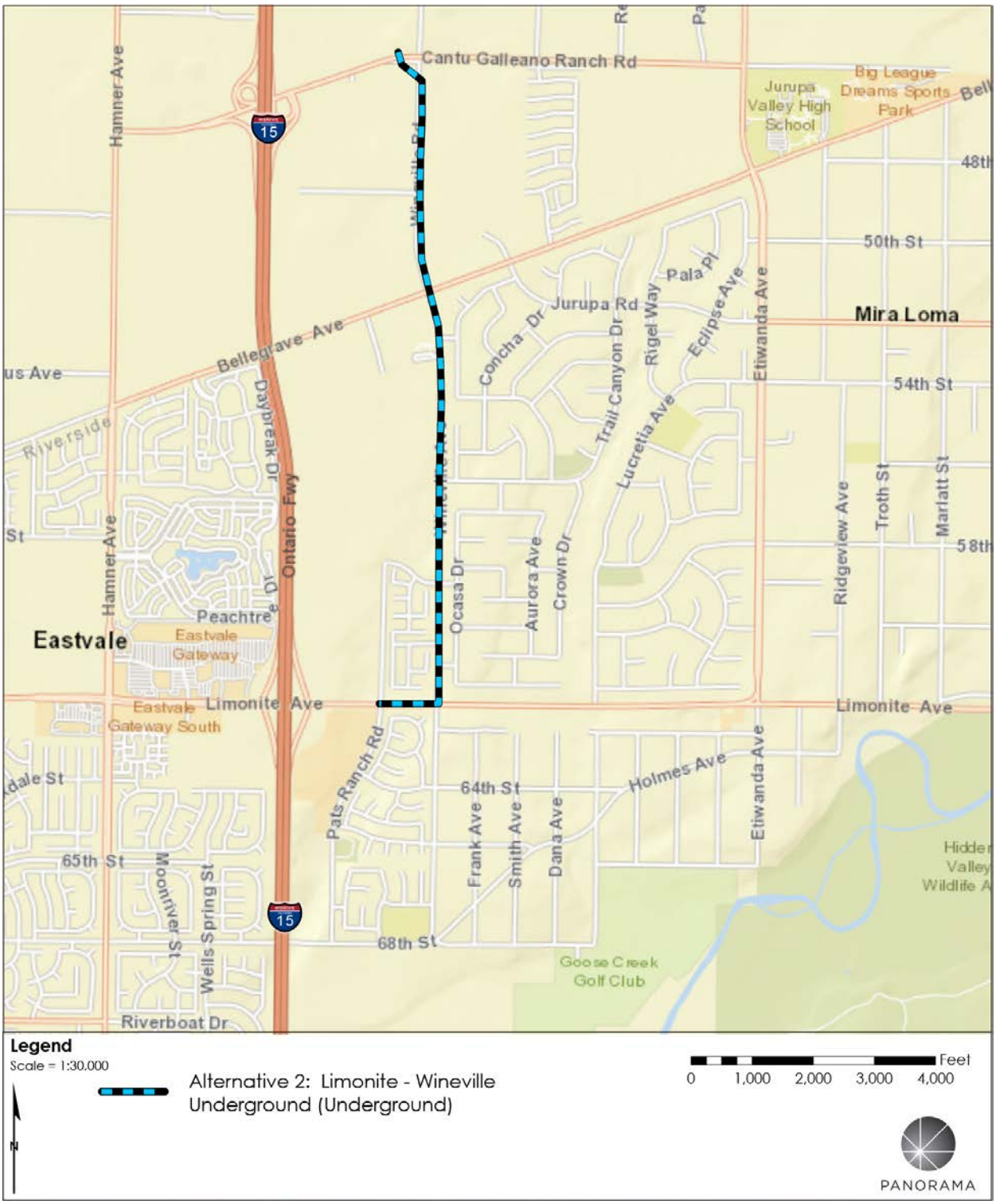

Figure 3: Riser Pole Relocation and Wineville - Landon Underground