

Southern California Edison
RTRP A.15-04-013

DATA REQUEST SET A1504013 ED-SCE-02

To: CPUC
Prepared by: Pat Adams
Title: Principal Advisor
Dated: 03/14/2017

Question PD-01:

Provide GIS and PDF maps indicating any pole removals or new pole placements for distribution line relocation at Location 8.

The 2013 RTRP EIR states the following:

“Some overhead facilities would be removed and relocated underground. The remaining overhead facilities would be relocated by removing the existing overhead facilities and installing equivalent overhead facilities in another location, which would be routed around the substation. Five poles would be removed and backfilled with native soil, and four poles required to accommodate the conflict would be installed.” SCE’s response to Data Request 1, Question #19 stated that an overhead section of existing distribution line would be relocated underground and SCE provided the GIS for the underground modification. SCE’s response did not indicate where the “additional overhead facilities” at the substation location would be routed around the new Wildlife Substation on new overhead poles. Please clarify whether the relocation of the existing line to new overhead structures would still be required for the project. Provide GIS and PDF maps indicating any pole removals or new pole placement locations.

Response to Question PD-01:

Please refer to the attached email from Jeff Thomas of Panorama Environmental indicating the CPUC/Panorama no longer requires a response to this data request question.

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To: CPUC
Prepared by: Pat Adams
Title: Principal Advisor
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Question PD-2 Q.1:

Provide the following details regarding the relocation of distribution lines:

1. Clarify the type of overhead facility (e.g., 12-kV, 66-kV) that will be relocated at each of the modification locations.

Response to Question PD-2 Q.1:

Please see the attached email from Jeff Thomas of Panorama Environmental indicating the CPUC/Panorama no longer requires a response to this data request question.

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To: CPUC

Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question PD-04:

Provide a description of helicopter activities that would be required for project construction along Wineville Avenue. Include the anticipated duration and type of helicopter(s) used for each activity.

Helicopter-assisted construction was proposed in the 2013 RTRP EIR for wire stringing. Additional information about helicopter construction is needed to assess impacts at new receptors along the revised alignment. The following information is required:

- Helicopter height during stringing activities
- Duration of helicopter stringing activities at a single location
- Type of helicopter operations within staging areas

Response to Question PD-04:

Construction Activities – A helicopter will be used to fly the sock line. Please refer to “Conductor Installation”, section 2.5.2 of the 2013 RTRP Final EIR (available here: http://www.cpuc.ca.gov/Environment/info/panoramaenv/RTRP/Riverside_FinalEIR.html).

Helicopter Height – Unknown at this time. Contractor will file necessary flight info prior to construction in satisfaction of all applicable laws and regulations.

Duration – Approximately 2 days for an estimated 6 hours per day at this location.

Type – Please refer to SCE's “Equipment and Workforce Estimates” provided as Attachment DR10 in response to Deficiency Report 4 (available here: http://www.cpuc.ca.gov/environment/info/panoramaenv/RTRP/PDF/Deficiency4/Attachments/D4Q.10Table2.5-1_EquipWorkforceEstimates.pdf) for a description of the type of helicopter anticipated to be used. Consistent with applicable laws and regulations, the types of helicopter operations anticipated to occur within the staging areas include hovering, take offs, and landings in support of conductor installation activities.

Please note that these estimates are based on planning level assumptions, analyses performed to date, and known conditions. Variables which are unknown, unconfirmed, and/or which have not been studied to date, including certain environmental impacts, field conditions, land use and real

property issues (including need for appropriate access and rights-of-way), need for specialized electrical facilities and infrastructure, and the confirmed presence of existing utilities (including existence and depth of underground utilities), could materially affect the estimates provided. These estimates are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

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To: CPUC

Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question PD-06:

Confirm whether nighttime construction activities are proposed along the underground alignment. If proposed, provide a description of anticipated nighttime construction activities and the equipment required for nighttime construction activities. Please include the location, frequency and duration of anticipated nighttime construction activities.

Response to Question PD-06:

No nighttime construction activities are planned in support of the construction of RTRP.

Please also refer to SCE's "Supplemental Noise Technical Report" ("Noise Report") submitted as Attachment DR15 in response to Deficiency Letter 4 (available here: <http://www.cpuc.ca.gov/environment/info/panoramaenv/RTRP/PDF/Deficiency4/Attachments/D4Q.15Attachment9.pdf>). While construction activities are not proposed outside of the "normal" or "daytime" hours described in the Noise Report, SCE may be required to perform construction activities outside of the normal hours. Past examples of after-hours construction included the need to accommodate continuous pours of concrete for foundations and footings, certain directional drilling activities for underground conduits, requests to perform after-hours construction in order to avoid potential traffic impacts near major thoroughfares, and work performed to accommodate scheduled outages of other utilities' facilities.

SCE cannot currently predict the location, frequency, and/or duration of any such after-hours work. In order to account for any after-hours construction, SCE proposes the following Applicant Proposed Measure described in the Noise Report: "NOI-5 (After-Hours Construction) - In the event construction activities are considered necessary on days or hours outside of what is specified by noise ordinance, SCE would provide advanced notification (as required by ordinance or as agreed upon with the local jurisdiction) of such anticipated activity to the CPUC, the local municipality or County where anticipated work is to be performed, and to residents within 300 feet of the anticipated work. This notification would include a general description of the work to be performed, location, and hours of construction anticipated. Additionally, SCE or its contractors would route all construction traffic and/or helicopter flight(s) away from residences, schools, and recreational facilities to the maximum extent feasible."

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To: CPUC

Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question PD-07:

Provide details on if and where blasting and pile driving activities would be required and describe the work activities (i.e., site preparation, foundation installation, etc.) that would require each activity.

The list of construction equipment included as Table 7 of the updated Noise Technical Report (AECOM November 2016) includes blasting, an impact pile driver, and a vibratory pile driver; however, previous documentation of project activities did not include blasting or pile drivers. More information is required regarding the location and construction activities that would require blasting and pile drivers.

Response to Question PD-07:

No blasting is planned. Pile driving may be required along and throughout the underground alignment at each vault location for reinforcement of shoring walls.

Please note that these estimates are based on planning level assumptions, analyses performed to date, and known conditions. Variables which are unknown, unconfirmed, and/or which have not been studied to date, including certain environmental impacts, field conditions, land use and real property issues (including need for appropriate access and rights-of-way), need for specialized electrical facilities and infrastructure, and the confirmed presence of existing utilities (including existence and depth of underground utilities), could materially affect the estimates provided. These estimates are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

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To: CPUC

Prepared by: Roman Vazquez

Title: Project Engineer

Dated: 03/14/2017

Question PD-08:

Provide information on the anticipated frequency and duration of maintenance activities for the proposed underground alignment.

Please specify how often maintenance would be likely to occur (annually, every two years, every three years, etc.) and the length of time needed for maintenance activities. Clarify if underground transmission line maintenance and testing would require traffic lane closures.

Response to Question PD-08:

SCE anticipates that during the first 5 years after energizing the underground circuit, yearly inspections of the cable and splices will be performed. After which, the cycles may be extended to every two or three years.

These inspections would require lane closures when vault lids are located on public roads with likely durations of approximately 5 hours per location. Note that, when feasible, this activity could cover the inspection of immediately adjacent vaults during the same lane closure duration. However, as final vault locations have not been established, the extent to which multiple vaults could be inspected with the same lane closure has not been established yet.

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To: CPUC

Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question PD-11:

Provide a description of how underground construction would be sequenced and completed in the Goose Creek Golf Course. Identify locations where existing structures or vegetation would be removed. Please also identify activities and durations of any proposed nighttime construction.

Response to Question PD-11:

Please refer to SCE's "Equipment and Workforce Estimates" presented in Attachment DR 10 in response to Deficiency Report 4 (available here: http://www.cpuc.ca.gov/environment/info/panoramaenv/RTRP/PDF/Deficiency4/Attachments/D4Q.10Table2.5-1_EquipWorkforceEstimates.pdf) for a summary of construction activities for underground construction, including at the Goose Creek Golf Course.

Typically, the construction sequence for underground construction involves: (1) excavation and setting of the vaults; (2) trenching/installation of duct banks; and (3) cable installation. Without final engineering, the removal of existing structures and/or vegetation is unknown at this time. However, SCE anticipates that RTRP's construction will not require the demolition of permanent, existing buildings on the Goose Creek Golf Course property.

No nighttime construction activities are planned for the Goose Creek Golf Course. For additional information regarding after-hours construction, please refer to SCE's response to question PD-06 of this Data Request.

Please note that these estimates are based on planning level assumptions, analyses performed to date, and known conditions. Variables which are unknown, unconfirmed, and/or which have not been studied to date, including certain environmental impacts, field conditions, land use and real property issues (including need for appropriate access and rights-of-way), need for specialized electrical facilities and infrastructure, and the confirmed presence of existing utilities (including existence and depth of underground utilities), could materially affect the estimates provided. These estimates are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

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Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question PD-12:

Provide a description of riser pole construction. Identify if helicopters or cranes would be used to place the poles.

Response to Question PD-12:

Riser TSP installation for this project is anticipated to follow the same process as standard TSP installation. Please refer to “230 kV Tubular Steel Pole (TSP) Installation”, section 2.5.2 of the 2013 RTRP Final EIR (available here: http://www.cpuc.ca.gov/Environment/info/panoramaenv/RTRP/Riverside_FinalEIR.html). A crane is expected to be used for the erection of the riser poles. No helicopter usage is planned for this construction activity.

Please note that these estimates are based on planning level assumptions, analyses performed to date, and known conditions. Variables which are unknown, unconfirmed, and/or which have not been studied to date, including certain environmental impacts, field conditions, land use and real property issues (including need for appropriate access and rights-of-way), need for specialized electrical facilities and infrastructure, and the confirmed presence of existing utilities (including existence and depth of underground utilities), could materially affect the estimates provided. These estimates are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

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Prepared by: Roman Vazquez

Title: Project Engineer

Dated: 03/14/2017

Question PD-13:

Provide measurements for the anticipated diameters of the proposed riser poles including the cable shroud.

The riser pole exhibit provided in response to revised Data Request #4, Item #13, provides height dimensions only.

Response to Question PD-13:

Since the riser poles for this project have not yet been designed, their diameters have not yet been established. However, based on preliminary assessments, the bottom pole shaft diameters are expected to be approximately 9 feet. The top pole shaft diameter can be assumed to taper to half of the referenced base diameter.

Similarly, since the cable shroud has not been designed, its dimensions cannot be currently determined with certainty. However, the majority of the shroud as it rises up the pole is expected to have a dimension of approximately 12-18 inches, as measured from the pole face. At the base, as the cables transition out of the duct bank and onto the pole face, the cable shroud is expected to have a dimension of approximately 6 feet as measured from the pole face.

Please note that these estimates are based on planning level assumptions, analyses performed to date, and known conditions. Variables which are unknown, unconfirmed, and/or which have not been studied to date, including certain environmental impacts, field conditions, land use and real property issues (including need for appropriate access and rights-of-way), need for specialized electrical facilities and infrastructure, and the confirmed presence of existing utilities (including existence and depth of underground utilities), could materially affect the estimates provided. These estimates are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

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Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question NO-3:

Provide a list of equipment anticipated to be used for underground construction and their associated noise levels.

Response to Question NO-3:

Please refer to the "Equipment and Workforce Estimates" provided as Attachment DR10 in response to Deficiency Report 4 (available here:

http://www.cpuc.ca.gov/environment/info/panoramaenv/RTRP/PDF/Deficiency4/Attachments/D R4Q.10Table2.5-1_EquipWorkforceEstimates.pdf) for the requested list of equipment. Noise levels for this equipment are presented in Table 7 of SCE's "Supplemental Noise Technical Report" submitted as part of Attachment DR15 in response to Deficiency Report 4 (available here:

<http://www.cpuc.ca.gov/environment/info/panoramaenv/RTRP/PDF/Deficiency4/Attachments/D R4Q.15Attachment9.pdf>).

Please note that the referenced estimates are based on planning level assumptions, analyses performed to date, and known conditions. Variables which are unknown, unconfirmed, and/or which have not been studied to date, including certain environmental impacts, field conditions, land use and real property issues (including need for appropriate access and rights-of-way), need for specialized electrical facilities and infrastructure, and the confirmed presence of existing utilities (including existence and depth of underground utilities), could materially affect the estimates provided. These estimates are subject to change following completion of final engineering, identification and/or verification of field conditions, completion of underground surveys, availability of labor, material, and equipment, compliance with applicable environmental and permitting requirements, and other factors.

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Prepared by: Dana Cunningham

Title: Project Manager, Transmission Project Delivery

Dated: 03/14/2017

Question TR-3:

Identify the AM and PM peak hour and daily trips needed for construction of the revised project components, specifically the overhead alignment (starting at Limonite/ I-15 and ending near Cantu-Galleano Ranch Rd./ Wineville Rd.).

Response to Question TR-3:

Please refer to the attached table "RTRP Data Request 2 TR-3 Transmission Construction Traffic Estimates by Activity Overhead Alignment - Limonite/I-15 to Cantu-Galleano Ranch Rd./Wineville Rd."

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Question AR-1:

Provide details of all public outreach (i.e., open house events) that SCE has held since the Final EIR was certified in 2013.

The RTRP administrative record that was included with SCE's application provides details, including dates and meeting materials for various public outreach meetings conducted by SCE. The most recent public open house event was held in October 2009. The administrative record indicates that public open house events were not held between 2009 and the end of the record in 2013. Please provide details of additional meetings that occurred since the 2013 Final EIR was certified.

Response to Question AR-1:

Attached hereto and as summarized below, please find information regarding outreach by Southern California Edison Co. (SCE), Riverside Public Utilities (RPU), and/or the City of Riverside (Riverside) regarding the Riverside Transmission Reliability Project (RTRP) since the 2013 RTRP Final Environmental Impact Report (EIR) was certified:

SCE Outreach

- Local Public Affairs (LPA) posted Frequently Asked Questions (FAQs) on Project website (August 2015)
- LPA (M. Castro-Salvati) meeting with Andy Okoro, Norco City Manager, to discuss the Project (June 2016)
- LPA (L. Roman) discussed Project with Kirk Swanson, 171 Grulla Court, Norco (August 2016)
- LPA updated Project website with proposed Hybrid Alternative map (August 2016)
- LPA (L. Roman) email and phone calls with Ross Fisher, General Manager Goose Creek Golf Course, regarding impacts of proposed Hybrid Alternative (September - November 2016)
- LPA updated Project website with Answers to Common Questions section (November 2016)
- LPA (L. Roman) emailed Notice of Preparation (NOP) and details of scoping meeting to Sarah Rah in response to her email (February 2017)
- SCE maintains a general communication log covering communications with all individuals contacting SCE regarding the Project.

RPU Outreach

Please see the attached files from RPU regarding RTRP project outreach, press, and communications.

- RTRP_Post-FEIR_Public-Outreach.xlsx
- Post-FEIR_Public-Outreach 1 of 2.zip
- Post-FEIR_Public-Outreach 1 of 2.zip
- Letter of Transmittal_NODs.zip
- Other relevant County Records.zip