

Southern California Edison
SBCRP A.12-10-018

DATA REQUEST SET A1210018 SBCRP-CPUC Deficiency Ltr-SCE-02 Supplemental

To: CPUC

Dated: 02/08/2013

Question Q.01:

Cumulative A (Per January 11, 2013, Letter from L. Payne/CPUC)

In light of the unique history of this project, as well as the amount of work that has taken place within the area in the last several months, the Energy Division requests a complete list of all SCE projects currently under construction within the Electrical Needs Area or that SCE anticipates will be constructed within the Electrical Needs Area in the next five years. In addition to a list of projects, the Energy Division requests that the location of these projects be identified on a map in order to enable the Energy Division to understand where these projects are located in relation to the Santa Barbara County Reliability Project.

Cumulative A - Clarified (Per January 24, 2013, Email from R.Wilkinson/E&E)

Cumulative Clarification

1. CPUC requests that SCE disclose all reasonably foreseeable construction that would be completed with respect to the following circuits in the next five years (such as replacement of towers, replacement of conductor, or construction of access roads):

Santa Clara-Casitas-Tayshell
Santa Clara-Getty
Santa Clara-Ojai-Santa Barbara
Santa Clara-Ojai
Santa Clara-San Marcos
Santa Clara-Carpinteria

2. Any planned construction within 5 miles of the centerline of any of the following proposed lines should also be disclosed, regardless of whether or not it is considered to be related to the project. Minor modifications of existing infrastructure (such as minor modifications to existing distribution poles in the City of Ventura) need not be included; however, any activity that would create ground disturbance should be disclosed. For example, activities that should be disclosed include construction of new access roads or improvements to access roads, tower or pole construction or replacement, conductor removal or installation (via ground construction or helicopter), or telecom removal or installation (via ground construction or helicopter):

New Santa Clara-Ojai-Santa Barbara

New Santa Clara-Carpinteria-Getty
New Santa Clara-Casitas-Santa Barbara

3. Any component that would be partially installed on the previously constructed or proposed structures identified as Segment 1, 2, 3A, 3B, or 4 should also be identified (such as telecom installation).
4. Any reasonably foreseeable construction proposed within the California Coastal Zone within Ventura or Santa Barbara counties that would serve the Electrical Needs Area should be identified (tower removal or replacement, telecom installation, or access road construction).
5. Any planned construction on the Santa Clara-Casitas No 1 & No 2 (220-kV line) within 5 miles of the centerline of the previously constructed or proposed structures identified as Segment 1, 2, 3A, 3B, or 4 should also be disclosed (such as replacement of towers, replacement of conductor, or access road construction).
6. Reasonably foreseeable upgrades connected with the Getty Substation, Tayshell Substation, and Ventura Substation; SCE access roads connected with these substations; or SCE structures supporting lines that serve these substations should be disclosed.

Cumulative B (Per January 11, 2013, Letter from L. Payne/CPUC)

In order to assess the cumulative impact of past projects, the Energy Division also requests that SCE submit photos of the structures that were removed and replaced during construction of Segment 1 and Segment 2 between 1999 and 2004. Specifically, the Energy Division requests clarification regarding whether the original structures were single-circuit or double-circuit, as well as the specific type of tower or pole (wood hframe, lattice steel tower, etc.).

Response to Question Q.01:

Cumulative A Response:

Please refer to the enclosed table entitled “New Additions to Southern California Edison Projects List (As of February 22, 2013) - Identified Per CPUC’s Revised January 2013 Cumulative Project Request” which shows additions to the cumulative project list previously provided in the PEA. This table includes projects meeting the scope and/or timeline requested by the CPUC in R. Wilkinson’s revised cumulative request email dated January 24, 2013. The table also includes clarification that a Caltrans project identified in the PEA also involves relocation of SCE facilities. The table also provides an update to include the anticipated construction date for a previously identified Caltrans project involving SCE facilities (Arroyo Parida Creek Bridge). These clarifications are depicted in a separate section in the table and specifically shown as red underlined text.

Please also refer to the enclosed map, which for clarification includes all SCE projects previously identified in the PEA as well as those listed in the enclosed table (including the two Caltrans projects mentioned above). Note, the map includes a 5-mile boundary around the SBCRP 66 kV subtransmission

line routes as envisioned by and discussed with R. Wilkinson on January 30, 2013, after the recent site visit with the CPUC and E&E. The map does not include a 5-mile boundary around certain ancillary SBCRP-related substations outside of the 5-mile SBCRP 66 kV subtransmission line boundary (e.g., Santa Barbara Substation and Goleta Substation, which only involve minor work for the SBCRP project). The map, however, does show projects and/or work identified in the Santa Barbara and Ventura County Coastal Zones, both within the 5-mile boundary and also beyond it per Question 5.

The majority of entries in the table are substation modification projects affecting substations either involved with the SBCRP or substations that are within 5 miles of the SBCRP. The table also lists a project that was inadvertently omitted from SCE's PEA table, namely the Carpinteria-Ventura FOC Project (note, however, that SCE has not included this project on the enclosed map; maps associated with the Carpinteria-Ventura FOC Project were previously provided with SCE's initial response to CPUC Deficiency Letter #2). Also listed in the table are various maintenance or remediation programs, including SCE's Deteriorated Pole Replacement Program (66 kV) and SCE's Transmission Line Rating Remediation (TLRR) Program. The currently identified TLRR locations are depicted by a yellow circle on the map. The currently identified 66 kV deteriorated pole replacement locations are represented by a Field Inventory Map (FIM) grid with a number, which indicates how many deteriorated pole locations are within each FIM. Due to the scale of the map, and the number of deteriorated poles, the pole locations themselves are not identified. Please note, SCE has determined that there are three poles that are located on lines that are associated with SBCRP Segment 4; once more information about these poles is available, the SCE SBCRP team will discuss with CPUC Energy Division Staff involved with the SBCRP.

With regard to the TLRR Program, two locations near the SBCRP "Y" have been identified; however, the TLRR work is identified on the adjacent 220 kV transmission lines and not the SBCRP 66 kV subtransmission lines. Once more information about the potential scope and timing for the TLRR work is determined, the SCE SBCRP team will discuss with the CPUC Energy Division Staff involved with the SBCRP.

Please note that the table and map do not include certain maintenance activities including but not limited to ongoing maintenance of the access roads, which may be performed on a periodic or as needed basis.

The responses provided in response to this request are accurate as of the date of this response (i.e. February 22, 2013). As discussed with CPUC and E&E staff SCE often performs maintenance and repair work on an as needed and irregular basis. Because SCE cannot predict when such work would occur the information in this response does not include work that may be identified at a future date. In addition, as discussed with CPUC and E&E personnel during the January 2013 site visit, the information in this response does not include routine work on the distribution system performed to provide and maintain service to SCE's customers.

Please note the following comments in response to the specific enumerated requests from the CPUC. The numbers below correspond to the numbers in R. Wilkinson's revised cumulative request email dated January 24, 2013:

1. CPUC requests that SCE disclose all reasonably foreseeable construction that would be completed with respect to the following circuits in the next five years (such as replacement of towers, replacement of conductor, or construction of access roads):

Santa Clara-Casitas-Tayshell
Santa Clara-Getty
Santa Clara-Ojai-Santa Barbara

Santa Clara-Ojai
Santa Clara-San Marcos
Santa Clara-Carpinteria

SCE response: Besides general access road maintenance as discussed above, the only currently identified work on these lines would be related to the three aforementioned deteriorated poles on Segment 4. One pole is on the Santa Clara-Carpinteria 66 kV Subtransmission Line, one pole is on the Santa Clara-Ojai-Santa Barbara 66 kV Subtransmission Line, and the third pole is on the idle Santa Clara-San Marcos 66 kV Subtransmission Line.

2. Any planned construction within 5 miles of the centerline of any of the following proposed lines should also be disclosed, regardless of whether or not it is considered to be related to the project. Minor modifications of existing infrastructure (such as minor modifications to existing distribution poles in the City of Ventura) need not be included; however, any activity that would create ground disturbance should be disclosed. For example, activities that should be disclosed include construction of new access roads or improvements to access roads, tower or pole construction or replacement, conductor removal or installation (via ground construction or helicopter), or telecom removal or installation (via ground construction or helicopter):

New Santa Clara-Ojai-Santa Barbara
New Santa Clara-Carpinteria-Getty
New Santa Clara-Casitas-Santa Barbara

SCE response: There is no “New Santa Clara-Ojai-Santa Barbara” line that would be created as a result of the SBCRP. The Santa Clara-Ojai-Santa Barbara 66 kV Subtransmission Line is already in existence and operational today.

The other above referenced “new” lines are actually existing lines covered in Question 1 above. Their proposed “new” names will not go into effect until after project completion. The corridor for these lines remains the same.

Please note: The correct line name for “New Santa Clara-Casitas-Santa Barbara” will be “Santa Clara-Carpinteria-Casitas”.

3. Any component that would be partially installed on the previously constructed or proposed structures identified as Segment 1, 2, 3A, 3B, or 4 should also be identified (such as telecom installation).

SCE response: The only work proposed on the above mentioned structures is the work identified as part of the SBCRP itself.

4. Any reasonably foreseeable construction proposed within the California Coastal Zone within Ventura or Santa Barbara counties that would serve the Electrical Needs Area should be identified (tower removal or replacement, telecom installation, or access road construction).

SCE response: All such projects for which SCE is currently aware that may occur in the Santa Barbara or Ventura Coastal Zone are depicted on the enclosed map (which shows a

Coastal Zone overlay).

5. Any planned construction on the Santa Clara-Casitas No 1 & No 2 (220-kV line) within 5 miles of the centerline of the previously constructed or proposed structures identified as Segment 1, 2, 3A, 3B, or 4 should also be disclosed (such as replacement of towers, replacement of conductor, or access road construction).

SCE response: SCE assumes the CPUC and E&E meant to refer to the Santa Clara-Goleta No. 1 and No. 2 220 kV lines (there is no Santa Clara-Casitas 220 kV line). The enclosed table and map include work currently anticipated to occur on the Santa Clara-Goleta No. 1 and No. 2 220 kV lines. Such anticipated work includes retaining wall repair/replacement and TLRR remediation work.

6. Reasonably foreseeable upgrades connected with the Getty Substation, Tayshell Substation, and Ventura Substation; SCE access roads connected with these substations; or SCE structures supporting lines that serve these substations should be disclosed.

SCE response: Work at Ventura Substation, which is a SCE system substation, has been added to the table and map. Tayshell Substation is a customer-dedicated substation serving an oil company customer; at this time, no projects are proposed at Tayshell Substation. Getty Substation is a customer-dedicated substation serving an oil company customer. The customer has been in discussions with SCE about possible changes in service to Getty Substation. However, since SCE is still discussing options with the customer, and no agreement or scope of work has been confirmed, it would be speculative and potentially a concern for customer confidentiality for SCE to consider or list any potential work as a “project” at this time. SCE will keep the CPUC Energy Division Staff involved with the SBCRP updated should the customer and SCE agree to any revised method of service affecting Getty Substation or the 66 kV lines serving the substation.

In addition, a separate oil company customer has discussed possible changes in its service, which may potentially result in modifications or additions to distribution lines roughly two miles west of Tayshell Substation. No agreement is yet in place. For the same reasons noted above with respect to customer confidentiality and the concern about providing information that may currently still be speculative, SCE has not included this in the revised cumulative project table. Should an agreement and project be agreed to by the customer, SCE will update the CPUC Energy Division Staff involved with the SBCRP.

Please note, these forecasts are subject to change with only short notice to SCE. The oil industry, which includes multiple customers in the area, is currently one of the most active growth segments on the SCE system. It has been SCE's experience that, due to the competitive nature of their business, such customers typically try to maintain confidentiality of plans as long as possible and once announced, work to execute as quickly as possible due to the volatility of the market and the economy.

Cumulative B Response:

With regard to the original structures in Segments 1 and 2, the original structures replaced in Segments 1 and 2 included a combination of lattice steel towers and wood H-frames. Those structures were originally in double circuit configuration and were replaced with double circuit structures (primarily TSPs were

installed along with a few LSTs).

As discussed on the January 23, 2013, conference call, SCE offered to do research to determine if photos of the original structures were available. The enclosed attachment, "Segment 1 photos", contains representative photos with notes about the structure replaced and segment in which the structures were located. SCE was only able to locate photos showing original structures for Segment 1, no photos for Segment 2 were found.