



Brittney Lee
Regulatory Case Administrator
San Diego Gas and Electric Company
8330 Century Park Court
San Diego, CA 92123-1530

October 21, 2016

Sent via FedEx and electronic mail

Will Maguire
Regulatory Analyst
Energy Division | Market Structure and Design
California Public Utilities Commission
505 Van Ness Avenue, San Francisco, CA 94102

Re: SDG&E's Response to Data Request No. 1; Ocean Ranch Substation Project (Application No. A.16-07-016)

Dear Mr. Maguire:

Enclosed please find San Diego Gas & Electric Company's (SDG&E's) Response to Energy Division's Data Request No. 1, issued on October 5, 2016. Review of the Proponent's Environmental Assessment (PEA) for San Diego Gas & Electric Company's Ocean Ranch Substation Project was based on the California Public Utilities Commission (CPUC) PEA Checklist for Transmission and Substation Projects, October 7, 2008. The application was deemed complete on October 6, 2016. The data request identified additional information needed from SDG&E to assist in preparation of the California Environmental Quality Act (CEQA) documentation.

As noted in the enclosed response, SDG&E will provide follow-up responses to the following items:

- PD-5 and PD-5d, revised Figure 3-5 and Figure 3-2 by October 28, 2016
- BIO-12, Jurisdictional Delineation Report by November 4, 2016

In the enclosed response, shaded rows indicate responses that have attachments containing confidential information. The text in this matrix is not confidential. Confidential attachments have been omitted and will be submitted under confidential cover.

Please do not hesitate to contact me via email at Blee2@semprautilities.com or phone at (858) 637-7995, should you have any questions.

Thank you,

\s\Brittney Lee

Brittney L. Lee
Regulatory Case Administrator

Enclosure

cc:

Molly Sterkel, Program Manager, Infrastructure Planning and Permitting
Mary Jo Borak, CPUC Supervisor CEQA Unit
Darcie Houck, Administrative Law Judge
Greg Heiden, CPUC Attorney
Fritts Golden, Aspen Environmental Group
Beth Moisan, Cardno

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

Ocean Ranch Substation Data Request No. 1 includes data requests for the following topics:

- General
- Project Description
- Aesthetics
- Biological Resources
- Cultural Resources
- Geology and Soils
- Noise

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| General | | |
| Gen-1a | Please confirm: (a) That the area of potential disturbance from the Proposed Project is limited to the substation site property and adjacent roads, and the various yards identified as potential work/storage areas. | Confirmed. |
| Gen-1b | Please confirm: (b) That no work is planned to occur in San Luis Rey, Morrow Hill, and Melrose substations. | Confirmed. |
| Gen-2 | The Project Description identifies an “initial” and “ultimate” configuration. We recognize that the “initial” configuration would be implemented by the near-term construction schedule (shown in SDG&E’s Application Appendix A). Although the timing may be uncertain, the environmental review may need to consider the “ultimate” configuration to be the full scope of the Proposed Project. To clarify the scope of the project, please confirm: | ----- |
| Gen-2a | (a) That the “ultimate” configuration is the scope of the Proposed Project as defined in the Application for a Permit to Construct. | The scope of the Proposed Project includes only what is shown in the initial configuration. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| Gen-2b | (b) That the “ultimate” configuration was considered within in the Application’s Magnetic Field Management Plan (Application Appendix F) and Estimated Project Costs (Application Appendix H). | The ultimate configuration of the substation was considered within the Application’s Magnetic Field Management Plan. The Estimated Project Cost shown in Appendix H is for the initial configuration. |
| Gen-2c | (c) Whether the “ultimate” configuration would likely include any new 69 kV transmission right-of-way or transmission circuit corridors in order interconnect and use the ultimate transformer capacity proposed for the site. If so, where would the new ROW or circuits likely be located? | The ultimate configuration is not part of the Proposed Project as defined in the Application for a Permit to Construct. The ultimate configuration is unlikely to include any new 69 kV power line right-of-way or power line circuit corridors, but that would be finally determined and analyzed if the ultimate configuration were pursued. |
| Project Description | | |
| PD-1 | PEA Section 3.1 (and Section 3.5.2) describes TL 6966 and says the construction of an underground power line duct back will have a length of approximately 1,500 feet. However, the distance between where the TL would depart its current location in the intersection and loop into the substation is much less than 1,500 feet. | ----- |
| PD-1a | (a) Are the new TLs lines between the substation and the existing TL 6966 each approximately 750 feet, with the total length of the duct bank 750 feet and of the new lines (conductor) 1,500 feet (2 x 750 feet)? | The total distance specified in the PEA of approximately 1,500 feet for the duct bank accounts for the distance within the SDG&E property where the power line would traverse (route) into its termination position within the proposed substation. Taking into account this distance within the proposed substation property, and based on preliminary engineering, the duct bank may be up to 1,500 feet in length from the intercept point near the Avenida Del Ora and Avenida De La Plata intersection to the proposed substation termination position. |
| PD-1b | (b) Please confirm there will be one duct bank with 3 conduits on one side occupied by TL6966 and three conduits on the other by the renamed TL 6979, as depicted in Figure 3-10 (page 3-18). | Confirmed. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| PD-1c | (c) Figure 3.2 indicates the 69 kV lines in and out of the substation as being parallel up to a point, then separating within the substation. Please describe what happens with these lines within the substation. Are the lines in a single duct bank and then they are in separate duct banks in the substation? | The 69 kV power lines are initiated by intercepting exiting duct packages in the street. One duct package for the two circuits would be constructed from the intersection of Avenida Del Oro and Avenida De La Plata, continue northerly on Avenida Del Oro and enter into the proposed substation parcel at the proposed southerly (secondary) access road. The duct package would travel up the proposed access road (within the substation property) and would split into two duct packages approximately 50 feet from the outside of the proposed substation screening wall. The two duct packages would then enter into two separate vaults that are located just outside the screening wall, and from there they continue in separate duct packages into the substation. |
| PD-1d | (d) Ultimate build out has (4) 69 kV positions in the substation. The Proposed Project accounts for 2 positions. At ultimate build out, it is assumed that an additional 69 kV line will need to loop into the substation. Please describe whether the duct bank proposed to be installed in Avenida del Oro will have spare capacity to install a future 69 kV line or if new construction would be required in the future to install a second duct bank. It appears from Figure 3-2 that TL 694 shares the existing underground duct bank with TL 6966. Is it anticipated that the existing duct bank position occupied by TL 694 (as shown in Figure 3-2) will be converted to a new line to loop into the substation? | <p>The proposed duct banks extending into the new Ocean Ranch Substation would have enough spare capacity to install two future 69 kV power lines.</p> <p>TL 694 does share the existing duct bank with TL 6966; however, under the Proposed Project, the existing TL 694 would not be looped in to the proposed Ocean Ranch Substation. TL 6966 would be the only power line to be intercepted and looped in to the proposed substation, thus creating two lines: reconfigured TL 6966 from San Luis Rey to Ocean Ranch Substation and new TL 6979 from Ocean Ranch to Melrose Substation. The TL 6966 conduit side of the existing duct bank would be intercepted and routed (looped) into the proposed substation while the existing TL 694 side of the existing duct bank would remain as the current configuration. A second power line has not been identified at this time to loop into the proposed Ocean Ranch Substation.</p> <p>*Please note Figure 3-2 makes no mention of TL 694 because the Proposed Project would not loop in this line. Figure 3-4, Proposed Substations and Power line System Electrical Configuration, shows TL 694 bypassing the Ocean Ranch Substation, not looping into Ocean Ranch Substation.</p> |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| PD-1e | (e) Please confirm that the 69 kV line is single circuit. The text does not explain if it is a single or double circuit. From the alternatives discussion (PEA Summary Section 1.3) it appears that it is a single circuit for the Proposed Project and that at ultimate build out a second 69 kV single circuit would be required from San Luis Rey Substation. Please clarify. | <p>The existing duct bank is a double-circuit configuration that houses two existing power lines, TL 6966 and TL 694, which each contain one cable per phase (three cables per power line and six cables total within the existing duct bank). The Proposed Project would loop in the TL 6966 side of the existing duct bank. Looping in TL 6966 to Ocean Ranch Substation would create two circuits: reconfigured TL 6966 (San Luis Rey to Ocean Ranch Substation) and new TL 6979 (Ocean Ranch to Melrose Substation). Reconfigured TL 6966 and new TL 6979 would each contain one cable per phase (three cables total, which is referred to as “single circuit”). Both powerlines (six cables in total) would be housed within one double-circuit duct bank (six conduit duct package) as described in Figure 3-10 of the PEA.</p> <p>At this time, it is unknown if the ultimate buildout would loop in a second power line from San Luis Rey Substation.</p> |
| PD-2 | Refer to Figure 3-2 (page 3-3). During the field site visit, SDG&E indicated that 12 kV lines from Ocean Ranch Substation would terminate at existing connection points, including on Windansea Street. The figures and description are not consistent. | The current plan is to connect on Windansea Street as stated in PEA, however final engineering is not complete. The preliminary proposed design titled is shown on Figure 3-5: Sheet 2 for 12 kV continuation indicating the route to Windansea Street. Figure 3-5 is being revised and will be provided October 28, 2016. |
| PD-2a | (a) Figure 3-2 has labels at two locations that read: “Trench to existing handhole on Windansea Street”. This suggests that the 12 kV trenching for the Project extends that far. It is not clear if the 12 kV line installations end where shown in the figure, or if lines are extend to Windansea Street as part of the Project. Please clarify. | As mentioned during site visit trenching is no longer planned for Rocky Point Drive, please refer to preliminary proposed design titled Figure 3-5: Sheet 2 for 12 kV continuation. Figure 3-5 is being revised and will be provided October 28, 2016. Note that final engineering is not complete. |
| PD-2b | (b) The figure indicates a 12 kV line extending into Rocky Point Drive, but text in Section 3.5.3 (page 3-19, paragraph 5) says there are 4 circuits and describes these | As mentioned during site visit, trenching is no longer planned for Rocky Point Drive. The line locations of the Proposed Project were provided within the PEA. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | 4 circuits as all in Avenida del Oro. It is silent about a circuit in Rocky Point Drive. The text also discusses “ultimate” connections. Please provide a revised figure that distinguishes what lines are part of the Proposed Project and their end points, what lines are existing lines, and what are future lines that are not part of the project. If the Proposed Project extends lines to Windansea Street or other locations, this should be shown in the figure. | Connections that would be part of the ultimate configuration are not part of the Proposed Project and have not been fully developed, nor designed. |
| PD-2c | (c) If revisions are made regarding the length of trenches and duct banks, be sure that this is accounted for in estimated volumes and truck traffic, and relevant tables are revised and provided. | The preliminary proposed design is included in Figure 3-5: Sheet 2 for 12 kV continuation. Figure 3-5 is being revised and will be provided October 28, 2016. The minor revisions may slightly reduce the estimated volumes and truck traffic, but such reductions would likely be de minimus. The existing estimates provide a conservative basis for the analysis of impacts. |
| PD-2d | (d) Figure 3-2 and Figure 3-5 show somewhat different locations for 12 kV lines. Please verify planned locations and amend figures as needed. | The location of 12 kV lines and manholes in street or outside the curb in the planting strip or sidewalk has not been completed as the final design is still under development. |
| PD-2e | (e) Figure 3-2 indicates that TL 694 and TL 6966 are in Avenida del la Plata and that TL 694 continues to Melrose Substation while TL 6966 loops into Ocean Ranch Substation. However, the text states that TL 693 shares poles with TL 6966 until TL6966 goes underground. The text does not explain what happens to TL 693. Figure 3.3 provides a schematic of the existing system line configuration. This indicates that TL694 runs to Melrose from Morro Hill. Do TL 693 and TL 694 share the overhead structures north of Avenida de la Plata, and does TL 694 join TL 6966 in the duct back at the point where TL 693 heads north? (This is an assumption that needs clarification.) If TL694 shares a duct bank with TL 6966, and a short duct bank segment at the intersection of Avenida de la Plata and Avenida del Oro is abandoned because of the loop in to the substation, what becomes of TL 694? | There is an existing overheard double-circuit span running west to east along Avenida De La Plata (west of the Avenida De La Plata & Avenida Del Oro intersection) where it is bounded by two existing 69 kV cable poles. The westerly 69 kV cable pole contains and carries two overhead circuits, TL 6966 and TL 693, from San Luis Rey substation. At this cable pole, TL 6966 transitions underground and proceeds into Avenida De La Plata while TL 693 bypasses (passes through) and continues overhead to the east cable pole mentioned. The easterly 69 kV cable pole contains and also carries two circuits, TL 693 and TL 694 (TL 694 from Morro Hill Tap). At this east cable pole, TL 694 transitions underground and proceeds into Avenida De La Plata while TL 693 continues overhead north and easterly towards Melrose Substation. Looking from the east cable pole position towards the northeast, TL 693 and TL |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | | <p>694 do share common overhead pole structures for approximately 1,700 feet towards Morro Hill Tap. TL 693 then transitions into its own overhead pole structures and runs easterly to Melrose Substation. TL 693 remains overhead for the entire way to Melrose Substation and does not share any common underground duct packages with TL 694 or TL 6966.</p> <p>Both TL 694 and TL 6966 transition underground from the aforementioned 69 kV cable poles then join and share a common double-circuit duct package along Avenida De La Plata and travel to Melrose Substation. As part of the Proposed Project, TL 693 and TL 694 would maintain their current configuration and would not be modified. TL 6966 would be looped in to the proposed Ocean Ranch Substation by intercepting the TL 6966 side of the existing TL 6966/TL 694 underground duct bank near the intersection of Avenida Del Oro and Avenida De La Plata.</p> |
| PD-3 | Omitted in the Data Request #1 for the SDG&E Ocean Ranch Substation Project–Application No. A.1607016 letter dated October 5, 2016. | ----- |
| PD-4 | <p>Several figures in the PEA are illegible or do not reproduce well, possibly because they are reductions of larger images. Please provide replacement figures that are clearly legible when they are reproduced at 8.5 x 11 or 11 x 17. If figures are derived from larger images or drawings that lose clarity with reduction, please advise of this in order that we can discuss the best way of obtaining the data to create legible figures. See also Data Requests below regarding figure content. If GIS data previously provided are modified by this data request, please provide revised data.</p> <p>The figures are greatest concern are:</p> <ul style="list-style-type: none"> • Figure 3-5 Proposed Ocean Ranch Substation Ultimate Layout | <p>See attachments: PD-4_Figure 3-6 Proposed Ocean Ranch Substation Initial Arrangement, PD-4_Figure 3-7 Proposed Ocean Ranch Substation Ultimate Arrangement, PD-4_Figure 3-8 Proposed Ocean Ranch Substation Ultimate Arrangement-69 kV Low Profile, PD-4_Figure 3-16 Typical Telecommunication Monopole.</p> <p>Figure 3-5 is being revised pursuant to PD-5 and will be provided by October 28, 2016.</p> |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | <ul style="list-style-type: none"> • Figure 3-6 Proposed Ocean Ranch Substation Initial Arrangement • Figure 3-7 Proposed Ocean Ranch Substation Ultimate Arrangement • Figure 3-8 Proposed Ocean Ranch Substation Ultimate Arrangement 69 kV Low Profile • Figure 3-16 Typical Telecommunication Monopole | |
| PD-5 | Refer to Figure 3-5 Proposed Ocean Ranch Substation Ultimate Layout (page 3-14): | ----- |
| PD-5a | (a) Figure 3-5 should be modified to clearly depict the potential internal facilities, and the facilities that would be installed in the eastern portion of the site. | Figure 3-5 is being revised pursuant to PD-5 and will be provided by October 28, 2016. |
| PD-5b | (b) Facilities shown on Figure 3-5 are not consistent with those shown on the Conceptual Landscape Plan (PEA Appendix B, sheet LC-4). Please ensure that the depictions are consistent, and distinguish the components of the “initial” configuration versus those under the “ultimate” configuration. | See attachment PD-5b_Landscape Concept Plan.pdf. Depictions are consistent with Figure 3-5, as it is being revised. Figure 3-5 is being revised pursuant to PD-5 and will be provided by October 28, 2016. |
| PD-5c | (c) Figure 3-5 references a “Sheet 2 for 12kV continuation.” Please provide this sheet if it includes any elements of the Proposed Project or ultimate buildout. | Figure 3-5 is being revised pursuant to PD-5 and will be provided by October 28, 2016. |
| PD-5d | (d) Reconcile this figure with Figure 3-2 with regard to proposed, existing, and future components. | Figure 3-2 is an overview of the Proposed Project and is being revised to reflect the proposed future components under the initial configuration, also shown on Figure 3-5. Figure 3-2 and Figure 3-5 will be revised to be made consistent, and |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | will be provided by October 28, 2016. The potential ultimate configuration is shown in Figure 3-8 (attachment PD-4_Figure 3-8 Proposed Ocean Ranch Substation Ultimate Arrangement-69 kV Low Profile.pdf). |
| PD-5e | (e) Explain the dashed lines through the center of the figure. From the legend, these appear to represent a 69 kV transmission line, which is not discussed in the text or which does not exist. | The dashed lines indicate existing easements on the property. |
| PD-5f | (f) Please identify the location of equipment in the substation for the ultimate build out to 120 MVA. Include the location of battery storage that is listed on page 3-10 as a future component. If needed for clarity, provide a figure that shows components for the Proposed Project and a figure for ultimate build out of the site. | The location of equipment in the substation for the ultimate build out to 120 MVA is included in revised Figure 3-5, which will be provided by October 28, 2016. Please also reference Figure 3-7 for location of equipment in the substation for ultimate build out to 120 MVA (attachment PD-4_Figure 3-7 Proposed Ocean Ranch Substation Ultimate Arrangement.pdf). The proposed installation of battery storage is now being removed from the ultimate buildout of the site in Application 1607016. At this time, it is unknown if or when battery storage would be installed. With the rapid advancement of technology in energy storage, it would be speculative to provide any physical description of it for this site at this time. |
| PD-5g | (g) In Figure 3-5, the legend identifies the green line on the figure as both TL 693 and TL 6966, but the text discusses only TL 6966 looping into the substation. Figure 3-2 identifies this same line (in purple dashes) as TL 694 and TL 6966. Figure 3-5 also indicates that a section of conduit is abandoned. Please clarify whether the line is TL 694 or TL693, and whether the section of underground conduit shown in Figure 3-5 as "To Be Abandoned" will in fact be retained for this TL. Will there be a new vault installed at this street location (where TL 6966 diverges from its original route and loops into the substation)? | See responses PD-1 and PD-2 above for clarification about TL 693, TL 694, and TL 6966. <ol style="list-style-type: none"> 1. Correct 2. Correct, see PD-2e 3. Correct, see PD-2e 4. Yes as explained above in PD-1d. The TL 694 side of the duct bank would not be abandoned because TL 694 would still be located and |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | <p>Based on Figures 3-3 and 3-4, is it correct that:</p> <ol style="list-style-type: none"> 1. TL 6966 (currently from San Luis Rey to Melrose) will be looped into Ocean Ranch, creating TL 6966 (San Luis Rey to Ocean Ranch) and TL 6979 (Ocean Ranch to Melrose) 2. That TL 693 from San Luis Rey shares overhead structures with TL 6966, but near where TL 6966 transitions underground, TL 693 diverges overhead north, and then east along the north side of the Ocean Ranch Substation site en route to Melrose. 3. TL 694 extends south from Morro Hill overhead and then transitions underground with TL6966 at Avenida de la Plata and continues underground to Melrose. <p>Do TL 6966 and TL 694 share a common underground duct bank? If so, does TL 694 require retention of the duct segment labelled “to be abandoned” in Figure 3-5, or is it in a separate duct bank and the abandoned segment refers only to TL 6966?</p> | <p>energized within to Melrose Substation. The abandoned segment refers only to TL 6966.</p> |
| PD-5h | <p>(h) Label site features on figures that are discussed in the text (e.g., control building, wall, gates, storm water basin(s), communication tower, etc.). Either label on the figure, or use letters or numbers corresponding to a legend. Be careful to distinguish between what is proposed as part of the Project and what is future, ultimate configuration.</p> | <p>Figure 3-5 is being revised and will be provided by October 28, 2016.</p> |
| PD-6 | <p>The “ultimate” configuration would include battery storage that is not described in any detail.</p> | <p>The installation of battery storage is now removed from the ultimate buildout of the site in Application 1607016. At this time it is unknown if or when battery storage would be installed. With the rapid advancement of technology in energy storage, it would be speculative to provide any physical description of it for this site at this time.</p> |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| PD-6a | (a) Please describe the proposed battery storage in more detail. Describe how it would function, its specifications including physical size and housing, and any potential source of noise, such as cooling fans. | See response PD-6. |
| PD-6b | (b) Would the battery storage of the ultimate configuration be suitable as a Distributed Energy Resource or as a partial implementation of the alternative that was considered but rejected (PEA Section 5.3.5.3, p. 5-5)? | See response PD-6. |
| PD-7 | Refer to Figure 3-6 Proposed Ocean Ranch Substation Initial Arrangement (page 3-14) | ----- |
| PD-7a | (a) Please provide a legible figure. | See attachment PD-4_Figure 3-6 Proposed Ocean Ranch Substation Initial Arrangement.pdf. |
| PD-7b | (b) The figure references a Sheet 2 continuation. Please provide this sheet if it has any elements of the Proposed Project or ultimate project. | There is no Sheet 2 continuation for Figure 3-6. As clarified via email on October 17, 2016 from Aspen Environmental Group, the Sheet 2 continuation is included with Figure 3-5. A revised Figure 3-5 is being prepared and will be provided by October 28, 2015. |
| PD-8 | Refer to Figure 3-6 Proposed Ocean Ranch Substation Initial Arrangement and Figure 3-7 Proposed Ocean Ranch Substation Ultimate Arrangement (a) Figures 3-6 and 3-7 are not consistent with what is shown in Figure 3-5. Compare the location of 69 kV and 12 kV end points between these figures and make consistent. | The 69 kV and 12 kV circuit paths and end points in the proposed substation appear to be consistent between Figures 3-5, 3-6, and 3-7. In response to the clarification provided via email on October 17 th , by Aspen Environmental Group, Figure 3-2 and Figure 3-5 will be revised to be made consistent, and will be provided by October 28, 2016. The figures will show the entire extent of the work/disturbance area, the locations of the manholes, and any other preliminary locations where streets or sidewalks may be affected by the Proposed Project construction, as the design is not complete. |
| PD-9 | PEA Section 3.3.3, page 3-8, states that “SDG&E is requesting access rights from | SDG&E has submitted to the City of Oceanside an Access Amendment Request |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | the City of Oceanside to establish the proposed access driveway that will be limited to SDG&E personnel.” (a) Please confirm that Oceanside has granted this access from the street or the status to date. If it is not granted or not at the indicated location, how would that affect the substation design? | Package and processing fees. The City has requested that SDG&E also submit the proposed plans for review by the City. SDG&E is preparing the plans, which will be provided to the City once available. In the event that the City fails to grant the necessary access rights and other cooperative solutions fail, SDG&E has the authority to obtain necessary access via condemnation. Therefore, the substation design would not be affected. |
| PD-10 | PEA Section 3.5.1, second paragraph page 3-11, states that gates “will be constructed from chain-link material and will be designed to accommodate standard brown slats.” | ----- |
| PD-10a | (a) Please confirm that slats will be installed and the material to be used. | Vinyl slats would be installed. |
| PD-10b | (b) Will the color be similar to that of the perimeter wall? | The color of the slats would be similar to the color of the perimeter wall. |
| PD-10c | (c) The wall and slats are described as “brown”, but in simulations in the Aesthetics section it appears to be more sand or sandstone in color. Please confirm the description of the color | The wall and slats would be a lighter brown closer to tan, sand, or sandstone in color, as shown in the simulations (see attachment AES-5_SimulationJPEGS.zip, or Figure 4.1-8 Simulation 1 on page 4.1-16 of the PEA, and Figure 4.1-9 Simulation 2 on page 4.1-18 of the PEA). |
| PD-11 | PEA Section 3.5.1 at page 3-12 notes that a global oil containment system will be installed “inside the substation.” The same page identifies that lights will be located at the entry gates and will be on at night, and that other lighting will be off except when needed for night work or in an emergency. The text also says lighting will be installed on each substation wall. | ----- |
| PD-11a | (a) Containment: Please identify where the containment will be located and include it on project figures showing the site after development. | See attachment PD-12a_Preliminary Civil Development Plan.pdf for the location of the global containment area. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| PD-11b | (b) Lighting: There are 3 gates (2 at the main entry point); is it correct to assume there will be three entry lights, one at each gate? Will they be mounted on the wall or free standing? How tall will light standards be, if poles are used? Will lights proposed “on each substation wall” be on the inside of the wall or outside? Inside. Will any lights be visible above the 10-foot wall height? | There would be one entry light installed near the 30-foot gate in the northwest portion of the substation and it would be free standing. The light pole would extend 7 feet above grade. The lights proposed on each substation wall would be located on the inside of the wall. Lights would not be visible above the 10-foot wall height. |
| PD-12 | PEA page 3-11, bullet list under Site development Includes, identifies a “future use pad directly adjacent to the substation” and “two flow through planter basins | ----- |
| PD-12a | (a) Please describe where the “future use pad” is located and include it on figures. In Appendix B Conceptual Landscape Plan, there are rectangular structures outline to the east of the main substation equipment. Please identify these rectangles. Is this the future use pad? Are the rectangles the future battery storage listed on page 3-10? | See attachment PD-12a_Preliminary Civil Development Plan.pdf. See response PD-6 regarding battery storage. |
| PD-12b | (b) Please label the planter basin locations on figures. Please also provide a description or drawing showing the construction of these basins (slopes, volume, drains, overflows, lining and underlayment material, etc.). | See attachment PD-12a_Preliminary Civil Development Plan.pdf. |
| PD-12c | (c) Please confirm the fate of any overflow or drainage not retained in the basins. Based on the drawings in Appendix B, it appears that they will drain to the public storm sewer system in Avenida del Oro. | As an initial point of clarification, please note that the flow-through planter basins are not retention basins. Rather they are a form of detention basin that does have an outflow (via underground subdrain) and connection to the existing storm drain system. Overflow entering the basins that is greater than the designed water quality capture volume and/or volume required for hydromodification management would be collected through a riser pipe that is designed to capture the 100-year flow rate from those areas that are tributary to each basin. Should an event greater than the 100-year storm occur, flow would overtop the |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | basins and sheet flow down the vegetated slope to Avenida del Oro, where it would then enter the public storm drain system via existing storm drain curb inlets. |
| PD-13 | PEA, Construction Practices, fifth open bullet, page 3-49, Identifies “BMP Manual Measures 1-7” in the construction practices list. (a) Please provide a copy of these measures. | Text should read “BMP Measure 1-07.” which is located in Appendix H of the PEA. |
| PD-14 | PEA Page 3-52, identifies SDG&E Electrical Standard Practice 113.1 as the Project Fire Prevention Plan. (a) Please provide a copy of this document or the relevant sections that comprise the Project Fire Prevention Plan. | See attachment PD-14a_ESP-113.1 SDGE Operations and Maintenance Wildland Fire Prevention Plan.pdf. |
| PD-15 | PEA Section 3, Page 3-53, second open bullet under SF6 mitigation strategies. Second sentence reads “This program includes monthly visual inspections of each geographic information system (GIS).” Please confirm that in this instance GIS refers to gas insulated switchgear and not geographic information system. | This paragraph was initially intended to detail the SF6 leak detection and repair program for Gas Circuit Breakers (GCB). Mention of GIS was a typographical error. All references to GIS should be replaced with GCB in this paragraph. |
| PD-16 | PEA Section 3.8.1.1, Page 3-48, paragraph 3 states that maintenance inspection of the new 69 kV loop-in would require traffic controls for safety; however, the two new vaults are within the substation so it is not clear what traffic controls would be needed. Is there a new vault (unidentified in the PEA) at the point where the new loop-in line departs from and returns to the original underground TL 6966 location at the intersection of Avenida de la Plata and Avenida del Oro? | No, there is no new vault proposed near the loop-in line. Since the vaults are within the proposed substation property area, traffic control is not anticipated to encroach on neither Avenida Del Oro nor any other public street in the vicinity. |
| PD-17 | PEA Section 3.6.4, Page 3-46, includes PEA Table 3-7, which shows that cut and fill material requirements may not be balanced, and that 18,600 cubic yards may be needed for import. Please confirm this amount for the estimated imports and describe the likely origin of the imported material. | Yes, the amount is correct. The imported material is proposed to originate from two SDG&E-approved sources: Vulcan located at 10051 Black Mountain Road, San Diego and Superior located at 28474 N Twin Oaks Valley Road, San Marcos. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| Aesthetics | | |
| AES-1 | See Figure 4.1-8 Simulation 1, page 4.1-16. The monopole to support the microwave dish is substantial and visually prominent. Please confirm the diameter and height of the proposed monopole and that this size (diameter) monopole is required to hold the single 2-foot diameter microwave dish. Does SDG&E anticipate adding additional antennas or other devices to the monopole in the future? | Confirmed. The monopole would be 40 feet tall and the diameter would be 48 inches at the base, 36 inches at the top (typical). At this time, there are no plans to install additional antennas or other devices on the monopole. |
| AES-2 | Figure 4.1-4 depicts the viewshed analysis that identifies surrounding locations from which elements of the substation may be visible. Apparently 16 features were selected for use in determining the number of features visible from offsite. These are represented by dots. The dot locations do not include the proposed site for the microwave pole and antenna; it is not clear whether the pole was one of the features considered. The text says the viewshed was created from data points “in the middle of the site.” Please, confirm whether the pole and dish antenna were considered in the viewshed analysis. | See attachment AES-2_Figure 4.1-4 Substation Viewshed.pdf. The monopole was analyzed in the viewshed analysis. The digital elevation model used does not contain tree or building data and therefore shows an exaggerated footprint of visibility. Field observations remain the authoritative data source in this case; during which a full analysis of potential impacts of the monopole were conducted. The dot for the pole was not properly displayed on Figure 4.1-4; the figure has been revised to show the location of the monopole. |
| AES-3 | Figure 4.1-7 uses an air photo base to show the location and orientation of photographs and simulations provided in the PEA. Please provide the date when the viewpoint photos were taken and the age of the air photo used in this figure, if known. Google Earth historic photos show the Federal Express site on Avenida del Oro being graded in 4/2015, and the facility as largely complete by 3/2016, the date of the most recent Google Earth satellite image. If we know the date or year of the air photo used in the figure, and when the field photos were taken, we can explain this in the text. | The date of the background aerial photo is June 2014, and the existing conditions photos were taken in June 2015. |
| AES-4 | Figure 4.1-8 Simulation 1 shows the proposed microwave monopole. The color specified in the PEA for electrical equipment inside the substation is ANSI 70 grey | See attachment AES-4_Figure 4.1-8 Simulation 1. The monopole would be galvanized steel, and the dish would be painted grey or white. The figure has |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|--|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | with other elements being identified as galvanized steel. Presumably the monopole would be galvanized steel. Please confirm that the color used in the simulation is what is expected for a galvanized steel monopole; it appears to be darker. Also, confirm that the antenna mounted on the pole is grey in color and not galvanized steel color. If necessary, provide a revised simulation. | been revised to display this. |
| AES-5 | Regarding Existing Conditions/Simulations figures (Figures 4.1-8, 4.1-9, and 4.1-10), please provide electronic copies of the three “existing conditions” photos and the three corresponding “simulated conditions” as separate images, rather than as an overlapping composite as provided in the PEA. These should be JPGs of the highest resolution possible. Please advise if these are not available. | See attachment AES-5_ExistingConditionsJPEGS.zip and AES-5_SimulationJPEGS.zip. |
| Biological Resources | | |
| “Project components” as used below means the substation site and adjacent streets and the staging yards. | | |
| BIO-1 | In Section 4.4.3, page 4.4-10, the PEA states that potential suitable habitat for western burrowing owl was identified in the Project study area (the substation site and staging yards) and protocol surveys will be done in 2017. Please identify the specific Project locations where potential suitable habitat for western burrowing owl was identified and indicate if any suitable burrows, surrogate burrows, or other sign was observed during surveys. | Potential suitable habitat for the western burrowing owl was identified at the Ocean Ranch Substation site, USPS Staging Yard, and Corporate Centre Staging Yard. The area outside the San Luis Rey Staging Yard PSA could provide potential habitat for the western burrowing owl. Potential culverts that could be used by the western burrowing owl were observed in the northern portion of the Ocean Ranch Substation. Burrows that could be used by the western burrowing owl were observed within the Corporate Centre Staging Yard. No other signs were observed during surveys. |
| BIO-2 | In Section 4.4.3, page 4.4-15, the PEA states that potential roosting habitat for the western yellow bat occurs within the trees in the Melrose Yard. Please provide additional information on these trees, including approximate number, species, age (mature/young/sapling), and general height estimate. Please indicate if any of | Trees observed within the Melrose Yard include Peruvian pepper tree (<i>Schinus molle</i>), olive tree (<i>Olea</i> sp.), fan palm (<i>Washingtonia robusta</i>), bottlebrush (<i>Callistemon viminalis</i>), and landscape/ornamental pine tree. Eucalyptus was also observed adjacent to the yard. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | these trees will be trimmed or removed and the extent and timing of any planned trimming/removal. | No trimming or removal of the trees are expected for the project. |
| BIO-3 | In Section 4.4.3, page 4.4-16, the PEA states that the San Luis Rey Substation is identified in the City of Oceanside SAP as being in a designated Wildlife Corridor Planning Zone. The Oceanside SAP also identifies local and regional gnatcatcher corridors (Figures 3-6 and 3-7 of the SAP). Please provide information on the location of Project components relative to local and regional gnatcatcher corridors and recent sightings of California gnatcatcher. | According to the Oceanside SAP, no coastal California gnatcatcher (CAGN) corridor occurs within the PSA. The Oceanside SAP shows the nearest CAGN corridors occur approximately 0.6 mile east of the San Luis Rey Staging Yard, approximately 0.4 mile west of the Corporate Centre Staging Yard, approximately 0.4 mile south of the USPS Staging yard, approximately 0.5 mile south of the Ocean Ranch Substation site, and approximately 2 miles west of the Melrose Substation Staging Yard. There have been no recent sightings of California gnatcatcher in or near the PSA. |
| BIO-4 | In Section 4.4.4, page 4.4-16, the PEA lists Operational Protocols applicable to the Proposed Project, but the text of these protocols is not provided. The SDG&E Subregional Natural Community Conservation Plan (NCCP) includes the text of the referenced operational protocols and we have available a copy of this document dated December 15, 1995. Please indicate if this is the most recent version of the document, and if not, please provide the text of the applicable operational protocols or a current version of the NCCP. | Confirmed. The NCCP document dated December 15, 1995 is the most recent version and it lists the Operational Protocols that are applicable to the Proposed Project. |
| BIO-5 | Section 1.2, page 1-2, of the PEA states that the Proposed Project’s Ocean Ranch Substation will have water quality basins, which are later described as flow-through planter basins. Section 4.9 of the PEA provides information on water quality, but does not address wildlife impacts. Please provide additional information on any water quality issues or other issues associated with these basins that could affect wildlife during the operations and maintenance phase of the Proposed Project. | The flow-through planters have been proposed to comply with the Municipal Storm Water Permit and associated storm water standards adopted by the City of Oceanside. The proposed flow through planters would be landscaped as shown on the Conceptual Landscape Plan (see attachment PD-12a_Preliminary Civil Development Plan.pdf), and would be comprised of a soil matrix that includes well-draining planting soil and layers of pea gravel and crushed rock, underlain by an impermeable liner. Runoff from the site would be directed to the flow through planters and allowed to filter through the layers of soil and gravel, eventually being collected in a perforated subdrain pipe that would connect to the |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | existing storm drain infrastructure. The planters would be gently sloped on at least one side to allow wildlife to exit the facility. The planters would be maintained by SDG&E throughout the life of the Proposed Project. Maintenance includes removal of excessive trash, sediment or debris from within each planter; pruning of overgrowth that interferes with the function of the planters; replacement of mulch as necessary; removal of and replacement of dead vegetation as necessary; and removal of invasive species. |
| BIO-6 | In Section 4.18.8, page 4.18-7, the PEA states that the Proposed Project will involve permanent impacts on less than 0.16 acre of sensitive habitat, which consists entirely of Diegan coastal sage scrub. Section 4.4.3 of the PEA and the Biological Technical Report in Appendix D of the PEA indicate that the only sensitive habitat that will be impacted is disturbed southern riparian scrub. Please confirm the type and acreage of all sensitive habitats that will be impacted. | <p><i>There was an erroneous inconsistency between the PEA and the BTR, which is clarified below.</i></p> <p>No Diegan coastal sage scrub habitat occurs within the PSA for the Proposed Project and no impacts to this habitat are expected to occur. The Biological Technical Report (BTR) located in Appendix D of the PEA is correct. Disturbed southern riparian scrub, disturbed habitat, and urban/developed/landscape/ornamental/bare ground are the three vegetation communities described in the BTR.</p> <p>Tables 6.1 and 6.2 in the BTR, page 28, show the estimated impacts to each vegetation community. The estimated temporary impacts to disturbed habitat and developed/landscape/ornamental/bare ground are 18.21 acres. The estimated permanent impacts to disturbed southern riparian scrub habitat is 0.16 acre. The estimated permanent impacts to disturbed habitat and developed/landscape/ornamental/bare ground are 9.50 acres.</p> |
| BIO-7 | In Section 4.4.3, page 4.4-15, the PEA states that there is no critical habitat located within the Project study area, but it is within 5 miles of critical habitat for several species. Based on Figure 4.4-3, it appears that critical habitat for coastal California gnatcatcher is in very close proximity to some Project components. Please provide additional information on the location of critical habitat for coastal California | No coastal California gnatcatcher critical habitat falls within the PSA. The San Luis Rey Staging Yard is located immediately south of critical habitat for the coastal California gnatcatcher, which is located west of South El Camino Real and north of the San Luis Rey Substation. Other coastal California gnatcatcher critical habitat occurs approximately 0.14 mile west of the Corporate Centre Staging |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | gnatcatcher relative to Project components. | Yard, approximately 0.6 mile northwest of the USPS Staging Yard and the Ocean Ranch Substation site, and approximately 1 mile southwest of the Melrose Substation Staging Yard. |
| BIO-8 | The Biological Technical Report, pages 19-20, in Appendix D of the PEA states that San Diego ambrosia has been reported within 1 mile of the Proposed Project and may occur in disturbed habitat. Although most of the Proposed Project is identified as disturbed habitat, the Biological Technical Report states that there is no suitable habitat for San Diego ambrosia in the Project study area and it has no potential to occur. Please provide additional information to support this determination. Were surveys done during the appropriate blooming period for San Diego ambrosia by a botanist/biologist with experience identifying the species? Were reference populations visited to verify that the species was in flower and could be identified? Please note that the blooming period for San Diego ambrosia is May to October. If it is determined that surveys are needed and have not been done, it may lead to delays while waiting for the plant to come into flower again. | See attachment BIO-8 and BIO-9_Additional Biological Project Information.pdf for the response to this question. |
| BIO-9 | The Biological Technical Report, page 23, in Appendix D of the PEA states that Stephens' kangaroo rat has historically been reported within 1 mile of the Proposed Project and may occur in disturbed habitat. Although most of the Proposed Project is identified as disturbed habitat, the Biological Technical Report states that there is no suitable habitat for Stephens' kangaroo rat in the Project study area and it is not expected to occur. Please provide additional information to support this determination. Were Project components surveyed using approved protocols by a biologist possessing a Section 10(a)1(A) research permit for Stephens' kangaroo rat to determine if suitable habitat was present? | See attachment BIO-8 and BIO-9_Additional Biological Project Information.pdf for additional information related to this question. According to CNDDDB, the nearest Stephens' kangaroo rat population was documented approximately 0.5 mile north of the Corporate Centre Staging Yard. However, the CNDDDB occurrence report mentions that this population was extirpated by development activities. Due to the specific soil requirements of this species, based on the current soils and level of disturbance within the Proposed Project area, and the lack of detection of sign or potential sign for this species during biological surveys, Stephen's kangaroo rat is not expected to occur, and further surveys are not warranted. A USFWS Section 10(a)1(A) permittee for Stephen's kangaroo rat |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | did not survey the PSA because no potential suitable habitat was detected. |
| BIO-10 | In Section 3.6.1, page 3-31, the PEA states that Melrose staging yard is paved. However, in the Google Earth aerial photo (image date 3/22/2016), the yard does not appear to be paved and there may be vegetation present in addition to the trees in the image. Please confirm the substrate and vegetation at the Melrose staging yard, including dominant species actually present. | The Biological Constraints Mapbook in Appendix A of the Biological Technical Report shows that the vegetation communities for the Melrose Substation Staging Yard includes urban/landscape/ornamental/bare ground. A paved road and a gravel road were observed within the Melrose Substation Staging Yard. Maintained landscape/ornamental trees were also observed during the survey. The substrate within the Melrose Substation Staging Yard consists of wood chips. Trees observed within the Melrose Yard include Peruvian pepper tree, olive tree, fan palm, bottlebrush, and landscape/ornamental pine tree. Eucalyptus was also observed adjacent to the yard. |
| BIO-11 | In Section 3.6.1, page 3-31, the PEA states that USPS staging yard is composed of non-native grassland and disturbed non-native grassland. However, in Section 4.4.3, pages 4.4-12 through 4.4-14, the PEA states that only three vegetation communities were identified on the Proposed Project: disturbed southern riparian scrub, urban/developed, and disturbed habitat. The Biological Constraints Mapbook in Appendix A of the Biological Technical Report (Appendix D of the PEA) depicts the USPS staging yard as disturbed habitat. However, the description of disturbed habitat on page 4.4-13 of the PEA specifically excludes non-native annual grassland. Please clarify the vegetation community present in the USPS staging yard, including dominant species actually present. | <i>There was an erroneous inconsistency between the PEA and the BTR, which inconsistency is clarified below.</i> The Biological Constraints Mapbook in Appendix A of the BTR shows the vegetation communities within the PSA for the USPS Staging Yard. The yard has been disturbed by previous development activities and vegetation trimming activities (see attachment BIO-8 and BIO-9_Additional Biological Project Information.pdf). Dominant plant species observed at the USPS staging yard were wild oat (<i>Avena fatua</i>) and riggut grass (<i>Bromus diandrus</i>). These species are located in a small isolated area and lack connectivity to other grassland areas due to the existing and planned development in accordance with the approved Pacific Coast Business Park Master Development Plan. The USPS staging yard was qualified as disturbed habitat due to the previous soil disturbance that occurred for development activities, and due to signs of vegetation trimming activities that were observed during the biological surveys and shown on Google Earth historical aerial photos from 1994 to 2015. |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | | Per the MHCP, lands that have had soils surface disturbance and compaction, and the presence of building foundations and debris should be classified as consisting of disturbed land. Since the site has been graded and has supporting infrastructure for future buildout, the USPS site was classified as disturbed habitat. |
| BIO-12 | In Section 4.4.3, page 4.4-10, the PEA states that no jurisdictional wetlands or non-wetland waters were identified and the Biological Technical Report in Appendix D of the PEA states that a wetland delineation was conducted in 2015. However, a jurisdictional delineation report was not included in the PEA and only a very brief summary of the delineation is included in the Biological Technical Report. This summary states that there are no features that may be considered waters of the U.S., but does not specifically address RWQCB/CDFW jurisdiction. Please provide a jurisdictional delineation report that fully analyzes RWQCB/CDFW jurisdiction, as well as USACE jurisdiction. | A jurisdictional delineation report will be provided by November 4, 2016. |
| BIO-13 | In Section 4.4.4, page 4.4-16, the PEA states that NCCP Operational Protocols will be utilized on the Proposed Project and lists six protocols. Please clarify if all NCCP Operational Protocols will be utilized (as applicable) or only the six protocols listed. | All operational protocols would be utilized (as applicable). |
| BIO-14 | In Section 4.4.3, page 4.4-13, the PEA states that disturbed habitat on the Project site is primarily in the form of areas regularly mowed or maintained and gives general examples of types of physical disturbance to habitat. Please provide information on the actual type, frequency, and extent of maintenance or disturbance that has occurred on the Project components, specifically the substation site, USPS staging yard, and Corporate Center staging yard. | The disturbed habitats appeared to have been previously disturbed by grading and development activities. In addition, the areas are being disturbed by mowing activities, pets, and bicycle activities. The proposed Ocean Ranch Substation site has been mass graded as part of an approved industrial development plan. There is evidence of site disturbance including grading, mowing, and/or agricultural use at the site from 1994 through 2016. During the site visits, it was evident that the public is accessing the site for pet and bicycling activities. The Ocean Ranch site was mowed and litter was |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | | <p>cleaned-up on July 3, 2016, and would continue to be maintained once per year.</p> <p>The proposed Corporate Center and USPS staging yards consist of lots that have been mass graded as part of approved industrial development plans. The Corporate Center parcel is mowed annually with a mower pulled by a tractor, which leaves a fine mulch. Hand work is performed near the desilting basins and where needed. The USPS staging yard has been mowed in October 2016.</p> |
| BIO-15 | <p>In Section 4.4.3, Table 4.4-1 indicates that the majority of the Project site is disturbed habitat and page 4.4-13 provides a general description of this vegetation community, including a list of some species that are typically found in disturbed habitat. Please provide a more detailed description of the vegetation community on each of the Project components identified as disturbed habitat, including the dominant species actually present, soil conditions, and type, level, and extent of past or on-going disturbance.</p> | <p>See attachment BIO-8 and BIO-9_Additional Biological Project Information.pdf and the response provided below to BIO-18. The proposed substation site and the USPS and Corporate staging yards were mass graded for the buildout of development plans for the area and these consist of graded lots with development pads. The Melrose and San Luis Rey staging yard sites are existing substation facilities.</p> <p>The proposed Ocean Ranch Substation site includes disturbed habitat with dominant species that include tumbleweed, brome grass (<i>Bromus</i> sp.), western ragweed (<i>Ambrosia psilostachya</i>), Australian saltbush (<i>Atriplex semibaccata</i>), telegraph weed (<i>Heterotheca grandiflora</i>), crown daisy (<i>Chrysanthemum coronarium</i>), and lavender (<i>Limonium</i> sp.) within the graded pad; disturbed southern riparian scrub habitat that is dominated by mulefat (<i>Baccharis salicifolia</i>), arroyo willow (<i>Salix lasiolepis</i>), iceplant (<i>Mesembryanthemum</i> sp.), and sweet fennel (<i>Foeniculum vulgare</i>) within the developed desiltation basin; and urban/developed areas that consist of bare ground, pavement-asphalt, and landscape/ornamental vegetation. Current maintenance activities at this site consists of mowing and disposal of trash and debris.</p> <p>The Corporate Centre staging yard includes disturbed habitat with dominant species that include tumbleweed, telegraph weed, and wild oat; and urban/developed areas that consist of pavement-asphalt and</p> |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | <p>landscape/ornamental vegetation. Current maintenance activities at this site consists of mowing and disposal of trash and debris.</p> <p>The San Luis Rey staging yard is an existing/developed substation that is paved. The PSA for this proposed staging yard includes disturbed habitat with dominating species that include eucalyptus (<i>Eucalyptus</i> sp.), tumbleweed, oxalis (<i>Oxalis</i> sp.) and foxtail chess (<i>Bromus madritensis</i> ssp. <i>rubens</i>); urban/develop areas that consist of pavement-asphalt and landscape/ornamental vegetation. The San Luis Rey Substation staging yard consists of pavement and therefore no maintenance activities occur at this site.</p> <p>The Melrose staging yard includes urban/developed areas that consist of pavement-asphalt, bare ground, and landscape/ornamental vegetation. The landscape/ornamental vegetation species include Peruvian pepper tree (<i>Schinus molle</i>), olive tree (<i>Olea europea</i>), bottlebrush (<i>Callistemon viminalis</i>), fan palm (<i>Washingtonia</i> sp.), date palm (<i>Phoenix</i> sp.), oleander (<i>Nerium oleander</i>), and ornamental pine trees (<i>pinus</i> sp.). Current maintenance activities at this site consists of vegetation trimming twice per month, and trees that may encroach the minimum clearance required from the power lines are trimmed once per year.</p> <p>The USPS staging yard includes disturbed habitat with its dominant plant species described in BIO-11, and urban/developed areas that consist of pavement-asphalt and landscape/ornamental vegetation. Current maintenance activities at this site consists of mowing and disposal of trash and debris.</p> |
| BIO-16 | Section 4.4.6, page 4.4-19 of the PEA states that the impact analysis is focused only on construction activities and does not consider impacts related to operations and maintenance. Please provide an analysis of the impacts of the Proposed Project on birds and nesting birds, including but not limited to electrocution hazards, during the operations and maintenance phase. Please include information on adherence | SDG&E has incorporated the APLIC’s Suggested Practices for Avian Protection into SDG&E’s Avian Protection Plan and SDG&E’s standard for both transmission and distribution substations (Section 520.33). The following avian protection measures have been implemented into the project design: phase to phase and phase to ground separation, perch guards, and cover-ups with |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | to SDG&E avian protection procedures and APLIC guidelines for substations (see Suggested Practices for Avian Protection on Power Lines: The State of the Art in 2006; pp. 105-106). | protective devices for the proposed Ocean Ranch substation. SDG&E's Avian Protection Program is corporate policy and SDG&E implements the measures in the avian protection program as their standard procedures. SDG&E has incorporated the APLIC's Suggested Practices for Avian Protection into SDG&E's Avian Protection Plan and SDG&E's standard for both transmission and distribution substations (Section 520.33).The following avian protection measures have been implemented into the project design: phase to phase and phase to ground separation, perch guards, and cover-ups with protective devices for the proposed Ocean Ranch substation. SDG&E's Avian Protection Program, in addition to the APLIC guidelines, would significantly reduce electrocution risks associated with transmission and distributions lines as well a substation facilities associated with this project. The Electrical Standards (1600) for avian protection were updated in January 2016 and new transmission Standards (1800) are in the process of being finalized. |
| BIO-17 | Section 4.4.5, pages 4.4-18 and 19 of the PEA provide Applicant Proposed Measures (APMs) for Biological Resources. Please specify if the APMs will be implemented during the operations and maintenance phase as well as the construction phase of the Project. | The APM measures described on pages 4.4-18 and 4.4-19, are measures that are proposed for the construction phase of the Proposed Project. During the operational phase of the Proposed Project, SDG&E would utilize the standard operational protocols. |
| BIO-18 | Section 4.4.6, page 4.4-26, of the PEA states that the Proposed Project will not use the take authority granted by the USFWS and the CDFW in the SDG&E NCCP for impacts to covered species, and potential take of state species will be handled, as necessary, through consultation with the CDFW in accordance with applicable sections of the CESA. If potential take of federal species is identified, how will it be handled? Does SDG&E have the option to apply for participation under the San Diego Multiple Habitat Conservation Program? | See attachment BIO-8 and BIO-9_Additional Biological Project Information.pdf and refer to response to BIO-9. No suitable habitat for the federally listed species, San Diego ambrosia and Stephens' kangaroo rat, or other federally listed species occurs within the PSA. The Proposed Project site has been approved for development as part of the Rancho Del Oro Specific Plan and the Pacific Coast Business Park Master Development Plan. The Pacific Coast Business Park project was approved and its Environmental Impact Report was certified in August 2005. Per that plan, the |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---------|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | | <p>entire project site has been graded to pads, and all infrastructure was installed including roads, drainages, and utilities. The Supplemental Environmental Impact Report for the Pacific Coast Business Park Master Development Plan Revision project stated that the entire Master Development Plan area has been graded and divided into large parcels, with streets and infrastructure in place to facilitate pending buildout of the Rancho del Oro Specific Plan area. The proposed Ocean Ranch Substation is located within the southern portion and the proposed USPS staging yard is located within the southeastern portion of the Pacific Coast Business Park Master Development Plan. The Supplemental EIR, prepared by Affinis in 2009, concluded that impacts to biological resources would be less than significant based on the findings of the Initial Study. The Initial Study (dated 2009) concluded that due to the graded and partially developed nature of the site, the proposed redistribution of land uses on site would not have an effect, either directly or indirectly, on biological resource habitats or sensitive species; and that no impacts to biological resources would result from the project.</p> <p>Pangea Biological conducted surveys to assess the potential biological impacts that would be associated with the proposed Ocean Ranch Substation project in 2015 and 2016. Pangea’s survey results concluded that the Proposed Project site has been graded and infill material was brought to the site to create the existing development pads. The site was documented as consisting of disturbed habitat and landscaped vegetation.</p> <p>The proposed Corporate staging yard is part of the Ocean Ranch Corporate Centre and has also been previously graded as part of the approval for the Ocean Ranch Corporate Centre Master Plan. Furthermore, the site for the corporate staging yard was approved for industrial development (the Windstar Project). The Windstar project was approved by the City of Oceanside Planning Commission on 10/6/08. The Mitigated Negative Declaration that was prepared</p> |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | <p>for the Windstar Project concluded the project, which proposed industrial development, would not result in substantial changes to the circumstances for which the project was originally undertaken and no new information of substantial importance was known at the time of the initial CEQA review, therefore, it was determined that further environmental review was not required of the project.</p> <p>Due to the previous grading and site preparation activities that were conducted for the Pacific Coast Business Park Master Development Plan and the Ocean Ranch Corporate Centre Master Plan, no sensitive biological resources have the potential to occur on the Proposed project site. No potential habitat exists for state or federally listed species; therefore, take of such species would not occur.</p> <p>The San Luis Rey staging yard and the Melrose staging yard are existing active substation facilities. No development associated with the Proposed Project is proposed at these facilities. No vegetation or tree trimming would occur at the staging yards as part of the Proposed Project. Due to the disturbed and developed nature of these staging yards, the storage of construction equipment would not result in the “take” of state or federal species.</p> |
| BIO-19 | Are any components of the Proposed Project located in or near any preserves or preserve planning areas under the San Diego Multiple Habitat Conservation Program (MHCP) or SAP? If so, please provide maps and details. | <p>The MHCP designates the proposed Ocean Ranch substation site and associated staging yards as developed/disturbed land. The City of Oceanside’s SAP is the City’s implementing conservation plan under the MHCP. No Proposed Project features are located within any designated “softline” or “hardline” preserve areas as delineated on Figure 4-1 of the City of Oceanside SAP. The San Luis Rey staging yard is located to the south of a hardline preserve; however this is an existing developed SDG&E substation. The San Luis Rey staging yard is within a Wildlife Corridor Planning Zone (WCPZ). The SAP provides development standards for projects that are located within the WCPZ; however, the Proposed Project does not propose any development at the San Luis Rey staging yard.</p> |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | | Storage of materials and equipment within this existing facility would not consist of development and the project’s use of this facility would be consistent with the SAP and the WCPZ. According to the SAP, the proposed Ocean Ranch Substation site, and the following staging yards: Melrose, Corporate, and USPS are located within an Off-site Mitigation Zone. The Off-site Mitigation Zone is described as “nonpreserve parcels within the City that support natural vegetation outside of the wildlife corridor planning zone (WCPZ), agricultural exclusion zone, and coastal zone.” Natural vegetation in the Off-site Mitigation Zone may be removed subject to SAP guidelines which include offsite mitigation. As documented in the BTR and stated in response to BIO-18, the proposed Ocean Ranch Substation site and associated staging yards have been disturbed from past grading and/or development and would not result in the removal any natural vegetation. |
| BIO-20 | Section 4.4.6, page 4.4-26, of the PEA states that some of the Project components are located in an area designated as Off-site Mitigation Zone in the City of Oceanside SAP, but construction will be conducted within disturbed or developed lands or paved roads, which do not contain suitable habitat for sensitive wildlife species. The SAP does not require mitigation for impacts to these land types. However, the disturbed riparian scrub on the substation site may be subject to mitigation under the SAP. Please provide additional information to address this issue and support the PEA’s determination of “no impact” to CEQA checklist item f (Would the project conflict with the provisions of an adopted Habitat Conservation Plans, NCCP, or other approved local, regional, or state habitat conservation plan?). | See response to BIO-19. As part of the mass grading effort for the Pacific Coast Business Park Master Development Plan, a temporary desiltation basin was constructed to collect sediment originating from the Proposed Project site in its current rough graded state. Desiltation basins are typical Best Management Practices in accordance with the requirements of the State Water Resources Control Board General Construction Permit for construction sediment control where a rough graded pad/site would remain until final development takes place. The siltation device consists of corrugated metal to prevent silt from going into a water way. The purpose is sediment control, not provision of habitat, and the basin is intended to be a temporary management provision. As stated in the BTR, the Ocean Ranch Substation site primarily consists of disturbed vegetation. The area around the basin is described as disturbed southern riparian scrub habitat based solely on the plant species composition observed at this disturbed location during the biological surveys. However, it is expected that the riparian plant species observed in the vicinity of the basin only exist as a result of the water |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| | | runoff generated and diverted to the basin. As the jurisdictional report (to be provided by November 4, 2016) will show, this feature was evaluated and was determined not to fall under ACOE, RWQCB, CDFW, or CCC jurisdiction. Due to the highly disturbed and isolated nature of the site, the vegetation immediately surrounding the basin is not functioning as riparian habitat, it is not located within a jurisdictional feature, and it only exists due to a human-made feature; therefore, the ecological value of the disturbed southern riparian scrub is considered to be low. |
| BIO-21 | The MHCP provides specific definitions of disturbed land versus non-native grasslands. Based on Google Earth images, it appears that the USPS staging yard, substation site, and possibly the Corporate Center staging yard include a significant component of non-native grasses. Please verify that the habitat types at all project components have been correctly characterized consistent with the definitions in the MHCP. | The Biological Constraints Mapbook in Appendix A of the Biological Technical Report shows that the vegetation communities for the USPS staging yard consist of disturbed, landscaped, and developed areas. The Corporate staging yard consists of disturbed and landscaped areas. The proposed substation site includes disturbed, landscaped/ornamental, and developed vegetation communities. According to the MHCP, these sites would be classified as developed/disturbed land. The MHCP classifies disturbed land as “an area in which the vegetation cover comprises less than 10 percent of the surface area and where there is evidence of soil surface disturbance and compaction (e.g. grading); or where the vegetative cover is greater than 10 percent, there is soil surface disturbance and compaction, and the presence of building foundations and debris (e.g., irrigation piping, fencing, old wells, abandoned farming or mining equipment) resulting from legal activities (as opposed to illegal dumping).” The proposed substation site has been previously graded, and has BMP storm water basins; therefore, this site was classified as disturbed land. The USPS and Corporate staging yards were both previously graded and have BMP storm water basins; therefore these sites were classified as disturbed land. |
| Cultural Resources | | |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| CULT-1 | <p>In Appendix J-1, page 5, it is stated in the Archival Research section that a records search was conducted at the South Coastal Information Center (SCIC) and that a search of the SCIC’s GIS Inventory database was completed. Seven (7) resources are reported, including CA-SDI-645, CA-SDI-1280, CA-SDI-6136, CA-SDI-8090, CA-SDI-10445, CA-SDI-10446 and CA-SDI-14323. Also, in Appendix J-2, page 13, it is stated that previous project information and surveyed areas at the SCIC were examined, however, no mention of the number of previous surveys or titles of reports was included. Therefore, please provide:</p> <ul style="list-style-type: none"> • PDF copies of all seven (7) site records; • PDF copies of all previous archaeological and ethnographic reports identified within 500 meters of the proposed project APE; • Map(s) at 1:24000 scale showing the locations of known cultural resources within 500 meters of the proposed project APE that were identified during the SCIC search; and • Maps at 1:24000 scale showing the exact location of all areas surveyed by staff of NWB Environmental Services, LLC, as described in the reports titled, “Archaeological Constraints Survey for the SDG&E Ocean Ranch Substation Project, Oceanside/North Vista, San Diego County, California (SDG&E eTS #28537)” (2015), and “Archaeological Resources Report for the SDG&E Ocean Ranch Substation Project, Oceanside/North Vista, San Diego County, California (SDG&E eTS#28537)” (2016). • GIS data including polygon, point, and line data for all known site locations, previous survey and ethnographic report coverages, and new survey coverage of the project GIS data including polygon, point, and line data for all known site locations, previous survey and ethnographic report coverages, and new survey coverage of the project. | <p><u>Confidential attachments have been omitted and will be submitted under confidential cover.</u></p> <ol style="list-style-type: none"> 1) See attachment CULT-1 Bullet 1 CONFIDENTIAL Site Records.zip. PDF copies of the seven (7) site records, including records for CA-SDI-645, CA-SDI-1280, CA-SDI-6136, CA-SDI-8090, CA-SDI-10445, CA-SDI-10446 and CA-SDI-14323 are provided with this response (CULT-1 Bullet 1). 2) See attachment CULT-1 Bullet 2a CONFIDENTIAL Reports within 500m Buffer of AEP. A total of 26 report survey areas fall within 500 meters of the proposed project APE. Of the 26, there are 12 report survey areas that intersect with the project APE and study area. The 12 reports that intersect the APE primarily include linear survey areas that cross through a sliver of the Proposed Project APE. Of the 12 reports, 4 reports appear to spatially overlap the APE and provide either ethnographic or archaeological information relevant to the sites within the Proposed Project area. A table listing these reports, indicating which report survey areas fall within the 500 meter buffer, which reports intersect the APE, and the relevant reports that are included in this response is provided with this response (CULT-1 Bullet 2a). See attachment CULT-1 Bullet 2b CONFIDENTIAL Reports Reviewed.pdf. PDF copies of the four (4) reports that were reviewed as part of this effort are provided with this response (CULT-1 Bullet 2b). 3) See attachment CULT-1 Bullet 3 CONFIDENTIAL Cultural Resources Map.pdf. A map at 1:24000 scale showing the locations of known cultural resources within 500 meters of the proposed project APE that were identified during the SCIC search is provided with this response (CULT-1 Bullet 3). 4) See attachment CULT-1 Bullet 4 CONFIDENTIAL Area Surveyed Map.pdf. Maps at 1:24,000 scale showing the exact location of all areas surveyed by staff |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | | <p>of NWB Environmental Services, LLC, as described in the reports titled, “Archaeological Constraints Survey for the SDG&E Ocean Ranch Substation Project, Oceanside/North Vista, San Diego County, California (SDG&E eTS #28537)” (2015), and “Archaeological Resources Report for the SDG&E Ocean Ranch Substation Project, Oceanside/North Vista, San Diego County, California (SDG&E eTS#28537)” (2016) are provided with this response (CULT-1 Bullet 4).</p> <p>5) See CD for CULT-1 Bullet 5 CONFIDENTIAL GIS data.zip. GIS data including polygon, point, and line data for all known site locations, previous survey and ethnographic report coverages, and new survey coverage of the project GIS data including polygon, point, and line data for all known site locations, previous survey and ethnographic report coverages, and new survey coverage of the project is provided with this response (CULT-1 Bullet 5).</p> |
| CULT-2 | <p>In Appendix J-1, Native American Consultation section, page 6, it is stated that on June 19, 2015, letters were sent to all contacts provided by the Native American Heritage Commission (NAHC). Please provide PDF copies of the request to search the NAHC Sacred Lands File database and request for tribal contacts. Please also provide PDF copies of all letters sent to tribes. Also, please provide evidence confirming that the San Luis Rey Band of Mission Indians, Pala Band of Mission Indians, and La Jolla Band of Mission Indians did, or did not, wish to consult on the project. If letters were received from any of these three (3) tribes, please provide PDF copies of those letters. In addition, please provide PDF copies of telephone and/or email conversation records documenting any follow-up efforts made with tribes identified by the NAHC, including the name of the person who called/emailed, name of the tribal person contacted, date, time of call/email, and a description of topics discussed.</p> | <p>See attachment CULT-2 NAHC Request and Project Map.pdf.</p> <p>A PDF copy of the request to search the NAHC Sacred Lands File database and request for tribal contacts is provided with this response (CULT-2). The map included in the attachment contains an early design of the Proposed Project, which changed as engineering has progressed. However, the changes do not affect the list of tribes contacted, due to the fact that the substation and staging yards all remained in the same general area. Therefore, the tribes provided in response to the first request for tribal contacts remains sufficient. Please refer to Appendix E of the PEA for PDF copies of all letters sent to tribes, and responses from Pauma, Soboba, Rincon and Pechanga are provided with this response. As indicated in Table 1 of the Supplemental Report, no responses have been received to date from the San Luis Rey Band of Mission Indians, Pala Band of Mission Indians, or the La Jolla Band of Mission Indians.</p> |
| Geology and Soils | | |

SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential

Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|---|--|--|
| Data Request No. | Request | SDG&E RESPONSE |
| GEO-1 | Please provide copies of the following documents/reports that are referenced in the geotechnical study by Kleinfelder (Appendix F of the PEA). <ul style="list-style-type: none"> • Kleinfelder Inc., 2012, Geotechnical Siting Study, San Diego Gas & Electric, Proposed Ocean Ranch Substation, Pacific Coast Business Park - Parcels 7, 16 and 17, Oceanside, California. • San Diego Gas & Electric Company, 2012, Concept Layout Plan for Ocean Ranch Substation. | See attachments GEO-1_Geotechnical Siting Study.pdf and PD-12a_Preliminary Civil Development Plan.pdf. |
| GEO-2 | Please provide a copy of the proposed Grading Plan for the site to help evaluate slope stability and erosion. | See attachment PD-12a_Preliminary Civil Development Plan.pdf. |
| GEO-3 | Please provide the Geology GIS files used to produce Figure 4.6-1 and a full reference for these files. | See CD for GEO-3_Geology GIS Files.zip. <u>Full references:</u> USGS. 2015. Faults: Quaternary Fault and Fold Database of the United States. Website (http://earthquake.usgs.gov/hazards/qfaults/) accessed April 29, 2016. SANDAG. 2014. Maps and GIS. Website (http://sandag.org/index.asp?classid=21&fuseaction=home.classhome) accessed December 12, 2014. State of California Department of Conservation. 2015. Geologic Map of the Oceanside Quadrangle. Website (http://www.quake.ca.gov/gmaps/rgm/oceanside/oceanside.html) accessed April 28, 2015. |
| Noise | | |
| NOISE-1 | No data are provided in support of the noise level forecast embodied in PEA Figure 4.12-2 (Noise Generated by Electrical Substation, p. 4.12-13). Please | SDG&E's transformer specification requires a maximum noise limit of 61dB. As a result, a conservative noise level of 61dB generated by each transformer was |

**SDG&E Ocean Ranch Substation Project – A.16-07-016
SDG&E Data Request Response No. 1 to CPUC Data Request No. 1
Privileged and Confidential**

**Shaded rows below identify responses that include attachments containing confidential information.
The text in this matrix is not confidential.**

| SDG&E Ocean Ranch Substation Project – A.1607016 Data Request No. 1 | | |
|--|---|---|
| Data Request No. | Request | SDG&E RESPONSE |
| | describe the transformer noise specifications that were assumed to apply in the analysis of developing the contours in the figure, in terms of the equivalent noise source level (Leq) and A-weighted decibels (dBA). Please identify the operating conditions assumed in creating the contours, including whether fan noise is included in the forecast. | assumed to assist in developing the contours in the figure. The noise study assumes all four transformers are simultaneously operating at maximum capacity (61dB) and does include fan noise. |