

**PUBLIC UTILITIES COMMISSION**

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



Ms. Rebecca Giles  
Regulatory Case Administrator  
San Diego Gas & Electric  
(via email: RGiles@semprautilities.com)

February 25, 2015

***Subject: San Diego Gas & Electric Company – Master Special Use Permit (MSUP) and Permit to Construct (PTC) Power Line Replacement Projects, PTC Application No. 12.10.009 – Data Request No. 10***

Dear Ms. Giles:

The California Public Utilities Commission (CPUC) and United States Forest Service (Forest Service) reviewed the San Diego Gas & Electric (SDG&E) Response dated January 30, 2015 to Date Request No.9 (DR9) dated January 22, 2015 and supporting GIS data provided on February 13, 2015. Based on review of the information provided, SDG&E has made revisions to the MSUP/PTC Power Line Replacement Projects that accomplished a reduction in impact acreages as described in DR9. Specifically, temporary work areas described in SDG&E's Revised Plan of Development (April 2013) and evaluated in the Draft EIR/EIS (August 2014) prepared for the subject project have been eliminated from the proposed project or have either been reduced or re-established in apparently disturbed or developed land cover types, such as parking lots or dirt roads.

In order to reflect the revised information provided in DR9 in the Environmental Impact Report/Environmental Impact Statement, the CPUC and Forest Service is requesting updated information as described in Attachment A to complete its environmental assessment as required by CEQA and NEPA for the subject project.

Your response to this data request is requested by **Friday, March 13, 2015**.

If you have any questions or need additional information, please contact me at 415.703.1966 or lisa.orsaba@cpuc.ca.gov

Sincerely,

*MJ Orsaba*

Lisa Orsaba, Project Manager  
Energy Division, California Public Utilities Commission

*Ms. Rebecca Giles*

*Subject: San Diego Gas & Electric Company – Master Special Use Permit (MSUP) and Permit to Construct (PTC) Power Line Replacement Projects, PTC Application No. 12.10.009–  
Data Request No. 10*

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*Attachments: Word file of Exhibit A, EIR/EIS Project Description Tables  
Word file of Exhibit B, EIR/EIS Biological Resources Tables  
Word file of Exhibit C, EIR/EIS Cultural Resources Tables*

*cc: Tim Knowd, SDG&E (TKnowd@semprautilities.com)  
Robert Hawkins, US Forest Service (rhhawkins@fs.fed.us)  
Jeff Heys, US Forest Service (jaheys@fs.fed.us)  
John Porteous, Dudek (jporteous@dudek.com)*

**ATTACHMENT A**  
**Data Request No. 10 – February 25, 2015**  
**Application No. A.12-10-009**  
**SDG&E Master Special Use Permit and**  
**Permit to Construct Power Line Replacement Projects**

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**1 PROJECT DESCRIPTION**

1. Please update the tables provided in **Exhibit A** (project description tables) based on SDG&E's design changes provided in DR9.
2. Please indicate if the design changes presented in DR9 require any further updates to the Project Description presented in the Draft EIR/EIS and previously commented on by SDG&E in SDG&E's November 3, 2014 comment letter on the Draft EIR/EIS.

**2 BIOLOGICAL RESOURCES**

3. Please update the tables provided in **Exhibit B** (Biological Resources tables) based on SDG&E's design changes provided in DR9. In addition, please provide temporary and permanent impacts acreages for the newly proposed work areas shown in **Exhibit C** by habitat type (i.e., vegetation community, land cover type, wetland resources, and jurisdictional resources), as well as biological resources that are known to occur in the newly proposed work areas (i.e., USFWS designated critical habitat and known occurrences of special-status species).
4. The updated proposed project design change maps submitted as part of DR9 (submitted 2/24/15) depict the changes to the proposed project designs since the submission of SDG&E's Revised Plan of Development (April 2013). Please ensure that all the locations identified in Exhibit C are included in these maps.

**3 CULTURAL RESOURCES**

5. Please update the tables provided in **Exhibit D** (Cultural Resources tables) based on SDG&E's design changes provided in DR9.

Please update the following project description tables based on the project design changes provided in SDG&E’s response to data request no.9 (January 30, 2105). Please provide edits in track changes.

**Table B-2**  
**Summary of Applicant’s Proposed Power Line Replacement Projects**

| Project Components  | CNF        | Land Owner Type – Occupied Area (Miles) |   |     |   |         | Description   |
|---|------------|---|---|-----|---|---------|---|
|   |            | State                                   | BIA/Tribal  | BLM | Other Public  | Private |   |
| <b>TL682:</b> Existing 20.2-mile 69 kV power line from Rincon Substation to Warner Substation. Reconstructed TL682 would remain 20.2 miles.   | 1.3 miles  | 2.2                                     | La Jolla Indian Reservation<br>3.1<br>Yuima Indian Reservation<br>0.2 | —   | School<br>0.3<br>Water District<br>6.7  | 6.4     | <ul style="list-style-type: none"> <li>• Replace existing wood poles (40–90 feet in height) with 259 weathered steel poles (max height 110 feet)</li> <li>• 1.1 miles of existing access road would be maintained.</li> </ul>   |
| <b>TL626:</b> Existing 18.8-mile 69 kV power line from Santa Ysabel Substation to Descanso Substation. Reconstructed TL626 would remain 18.8 miles.   | 78.0 miles | 0.2                                     | —   | —   | County of San Diego<br>0.3  | 10.3    | <ul style="list-style-type: none"> <li>• Replace existing wood poles (40–90 feet in height) with 279 weathered steel poles (max height 110 feet)</li> <li>• 10.1 miles of existing access roads would be maintained</li> <li>• Boulder Creek crossing eliminated and turnarounds installed.</li> </ul>                              |
| <b>TL625:</b> Existing 22.5-mile 69 kV power line from Loveland Substation to Barrett Tap and from Barrett Tap north to Descanso Substation and south to Barrett Substation. Reconstructed TL625 would remain 22.5 miles. | 6.7 miles  | 0.3                                     | —   | 0.1 | City of San Diego<br>1.8<br>County of San Diego<br>0.7<br>Water District<br>2.9 | 10.6    | <ul style="list-style-type: none"> <li>• Replace existing wood poles (40–90 feet in height) with 267 weathered steel poles (max height 120 feet)</li> <li>• Convert Loveland Substation to Barrett Tap segment from single-circuit to double-circuit</li> <li>• 11.3 miles of existing access roads would be maintained.</li> </ul> |

**Table B-2**  
**Summary of Applicant’s Proposed Power Line Replacement Projects**

| Project Components   | CNF               | Land Owner Type – Occupied Area (Miles) |   |          |   |             | Description   |
|--|-------------------|---|---|----------|---|-------------|---|
|  |                   | State                                   | BIA/Tribal  | BLM      | Other Public  | Private     |   |
| TL629: Existing 29.8-mile 69 kV power line from Descanso Substation to Cameron Tap and from Cameron Tap South to Cameron Substation and east to Crestwood Substation. Reconstructed TL629 would remain 29.8 miles. | 9.0 miles         | 0.5                                     | Campo Indian Reservation<br>0.6 (includes 792 feet of undergrounding into Crestwood Substation) | 0.7      | County of San Diego<br>4.1<br>School District<br>0.1    | 15.1        | <ul style="list-style-type: none"> <li>• Replace existing wood poles (40–90 feet in height) with 442 weathered steel poles (max height 110 feet)</li> <li>• Convert Cameron Tap to Cameron Substation from single-circuit to double-circuit</li> <li>• Underground 792-foot segment into Crestwood Substation</li> <li>• 7.0 miles of existing access roads would be maintained.</li> </ul> |
| TL6923: Existing 13.4-mile 69 kV power line from Barrett Substation to Cameron Substation. Reconstructed TL6923 would remain 13.4 miles.   | 3.2 miles         | —                                       | —   | 3.2      | City of San Diego<br>0.3<br>County of San Diego<br><0.1 | 6.7         | <ul style="list-style-type: none"> <li>• Replace existing wood poles (40–90 feet in height) with 137 weathered steel poles (max height 110 feet)</li> <li>• 1.4 miles of existing access roads would be maintained.</li> </ul>  |
| <i>Subtotal: 114.78 miles of 69 kV power line replacement</i>  | <i>27.7 miles</i> | <i>13.1</i>                             | <i>3.8</i>  | <i>—</i> | <i>21.1</i>   | <i>49.1</i> | <ul style="list-style-type: none"> <li>• Replace existing wood poles with 1,384 weathered steel poles</li> <li>• Convert (2) segments (5.7) miles from single-circuit to double-circuit</li> <li>• Underground 792 feet of TL629 into Crestwood Substation</li> <li>• Maintain 30.9 miles of existing access roads.</li> </ul>  |

**Table B-2**  
**Summary of Applicant’s Proposed Power Line Replacement Projects**

| Project Components  | CNF                                       | Land Owner Type – Occupied Area (Miles) |   |     |  |                                | Description  |
|---|---|---|---|-----|--|--------------------------------|--|
|   |   | State                                   | BIA/Tribal                                  | BLM | Other Public                           | Private                        |  |
| C79: Existing 2.2 miles overhead 12 kV circuit from TL626 to Cuyamaca Peak. Replace with new 2.84-mile underground circuit.   | Remove 1.86 miles                         | Remove 0.4 Underground 2.8              | —   | —   | —                                      | —                              | <ul style="list-style-type: none"> <li>Remove existing 2.2 miles overhead circuit (64 existing wood poles) and replace with new 2.8-mile underground circuit</li> <li>Remove 4.2 miles of existing access roads. No new access proposed.</li> </ul>                          |
| C78: Existing 12 kV circuit runs 1.8 miles east from Viejas Indian Reservation. Reconstruction of C78 would remain 1.8 miles. | Remove 1.4 miles<br>Reconductor 1.8 miles | —                                       | Reconductor 0.1 (Viejas Indian Reservation) | —   | County of San Diego<br>Reconductor 0.1 | Remove <0.1<br>Reconductor 0.1 | <ul style="list-style-type: none"> <li>Replace existing wood poles (33–47 feet in height) with 44 weathered steel poles (max height 52 feet)</li> <li>Overhead relocation along Viejas Grade Road</li> <li>0.1 mile of existing access roads would be maintained.</li> </ul> |
| C157: Existing 3.5-mile 12 kV circuit from Sky Valley Road to Sky Valley Ranch  | Reconductor 1.7 miles                     | —                                       | —   | —   | City of San Diego<br>Reconductor 1.2   | Reconductor 0.6                | <ul style="list-style-type: none"> <li>Replace wood poles (30–43 feet in height) with 57 weathered steel poles (max height 47.5 feet)</li> <li>0.4 mile of existing access roads would be maintained.</li> </ul>   |
| C442: Existing 6.2-mile 12 kV circuit near the community of Pine Valley. Reconstruction of C442 would remain 6.2 miles.       | Reconductor 3.7 miles                     | —                                       | —   | —   | —                                      | Reconductor 2.5                | <ul style="list-style-type: none"> <li>Replace wood poles (24–49 feet in height) with 129 weathered steel poles (max height 61 feet)</li> <li>4.0 miles of existing access roads would be maintained, of which 0.6 mile to be removed.</li> </ul>                            |

**Table B-2**  
**Summary of Applicant’s Proposed Power Line Replacement Projects**

| Project Components   | CNF   | Land Owner Type – Occupied Area (Miles) |            |     |  |   | Description   |
|--|---|---|------------|-----|--|---|---|
|  |   | State                                   | BIA/Tribal | BLM | Other Public   | Private   |   |
| C440: Existing 24-mile circuit from Glenciff Substation to Mt. Laguna. Reconstruction of C440 would be 25 miles.         | Remove<br>5.8 miles<br>Underground<br>4.3 miles<br>Reconductor<br>11.9 miles      | Reconductor<br><0.1                     | —          | —   | County of San Diego remove<br><0.1<br>Underground<br>4.1<br>Reconductor<br>0.4                 | Remove 1.4<br>Reconductor<br>4.7                          | <ul style="list-style-type: none"> <li>• Remove 7.24 miles of existing overhead 12 kV circuit from Glenciff Substation north to Sunrise Highway</li> <li>• Replace with new 8.4-mile underground segment along Sunrise Highway</li> <li>• Replace remaining wood poles (19–52 feet in height) with 4404 weathered steel poles (max height 62 feet)</li> <li>• Remove 4.0 miles of existing access roads</li> <li>• 4.7 miles of existing access roads would be maintained.</li> </ul> |
| C449: Existing 6.7-mile circuit runs from Old Highway 80 south and southwest. Reconstruction of C449 would be 1.5 miles. | Remove<br>5.04.9 miles<br>Underground<br>0.41.5 miles<br>Reconductor<br>1.7 miles | —                                       | —          | —   | City of San Diego remove<br>0.5<br>Reconductor<br>0.4<br>School District<br>Underground<br>0.1 | Remove<br>0.2<br>Underground<br>0.2<br>Reconductor<br>0.2 | <ul style="list-style-type: none"> <li>• Remove 5.67 miles of existing overhead 12 kV circuit and replace with 0.61.8-mile underground segment and 2.3 miles underbuilt along TL629</li> <li>• Replace remaining wood poles (24–48 feet in height) with 48 weathered steel poles (max height 62 feet)</li> <li>• Remove 2.4 miles of existing access roads</li> <li>• 2.8 miles of existing access roads would be maintained.</li> </ul>  |

**Table B-2**  
**Summary of Applicant’s Proposed Power Line Replacement Projects**

| Project Components   | CNF   | Land Owner Type – Occupied Area (Miles)               |                         |     |   |   | Description  |
|--|---|---|-------------------------|-----|---|---|--|
|  |   | State   | BIA/Tribal              | BLM | Other Public                              | Private                                   |  |
| <i>Subtotal:</i><br>31.13 miles of 12 kV distribution circuit replacement        | Underground<br>4.7 miles<br>Reconductor<br>20.8 miles | New 2.8-mile underground and reconductor<br>0.1 miles | Reconductor<br>0.1 mile | —   | Underground<br>4.2<br>Reconductor<br>2.2  | Underground<br>0.2<br>Reconductor<br>8.0  | <ul style="list-style-type: none"> <li>• Remove total of 16.4 miles of 12 kV overhead circuit</li> <li>• Replace with total of <del>44.8</del><u>44.813.0</u> miles of underground circuit</li> <li>• Replace existing wood poles with a total of <del>720</del><u>718</u> weathered steel poles</li> <li>• Remove 11.2 miles of access roads</li> <li>• Maintain 12 miles of access roads.</li> </ul> |
| <b>Total:</b><br>145.91 Miles of Power Line and Distribution Circuit Replacement | Underground<br>4.7 miles<br>Reconductor<br>48.5 miles | 0.9<br>Existing<br>2.8 New<br>(underground)           | 3.9                     | —   | Underground<br>4.2<br>Reconductor<br>23.2 | Underground<br>0.2<br>Reconductor<br>57.2 | <ul style="list-style-type: none"> <li>• Replace existing wood poles with <del>2,102</del><u>2,1024</u> weathered steel poles</li> <li>• Remove 16.4 miles of 12 kV overhead circuit</li> <li>• Replace with <del>44.8</del><u>44.813</u> miles of underground</li> <li>• Remove 11.2 miles of access roads</li> <li>• Maintain <del>42.9</del><u>42.9</u> miles of access roads</li> </ul>            |

**Source:** SDG&E 2013a and 2013b.

Note that all mileages are approximately based on SDG&E engineering data and Forest Service-provided GIS layer depicting administrative boundary of the CNF. Information may vary depending on which GIS layer is used for these calculations. For purposes of the analysis conducted in this EIR/EIS information presented in SDG&E’s revised Plan of Development (POD) (SDG&E 2013a) and updated in response to CPUC Data Request No. 3 (SDG&E 2013b) are used.



**Table B-5**  
**Underground Trenching Summary**

| <b>Distribution Line</b> | <b>Approximate Length (Miles)</b> |                    |              | <b>Approximate Width (Feet)</b> | <b>Approximate Footprint (Acres)</b> |                    |              | <b>Approximate Number of Vaults</b> |                    |              |
|--------------------------|-----------------------------------|--------------------|--------------|---------------------------------|--------------------------------------|--------------------|--------------|-------------------------------------|--------------------|--------------|
|                          | <i>Within CNF</i>                 | <i>Outside CNF</i> | <i>Total</i> |                                 | <i>Within CNF</i>                    | <i>Outside CNF</i> | <i>Total</i> | <i>Within CNF</i>                   | <i>Outside CNF</i> | <i>Total</i> |
| C79                      | 0.0                               | 2.8                | 2.8          | 2.5                             | 0.0                                  | 0.9                | 0.9          | 0                                   | 19                 | 19           |
| C440                     | 7.5                               | 0.8                | 8.4          | 2.5                             | 2.3                                  | 0.3                | 2.5          | 51                                  | 4                  | 55           |
| C449                     | 1.5                               | 0.3                | 1.8          | 2.5                             | 0.4                                  | 0.1                | 0.5          | 10                                  | 2                  | 12           |
| <b>Total</b>             | <b>9.0</b>                        | <b>4.0</b>         | <b>13.0</b>  | <b>—</b>                        | <b>2.7</b>                           | <b>1.2</b>         | <b>3.9</b>   | <b>61</b>                           | <b>25</b>          | <b>86</b>    |

Source: SDG&E 2013a.

**Table B-7**  
**Temporary Work Area Summary**

| Work Area Type          |                                     | Approximate Quantity |             |       | Required Improvements  | Approximate Dimensions (Feet) | Total Approximate Area (Acres) |             |       |
|-------------------------|-------------------------------------|----------------------|-------------|-------|--|-------------------------------|--------------------------------|-------------|-------|
|                         |                                     | Within CNF           | Outside CNF | Total |  |                               | Within CNF                     | Outside CNF | Total |
| <i>69 kV Power Line</i> |                                     |                      |             |       |  |                               |                                |             |       |
| TL682                   | Direct-Bury Steel Pole Work Area    | 23                   | 169         | 192   | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.7                            | 4.9         | 5.6   |
|                         | Self-Supported Steel Pole Work Area | 7                    | 60          | 67    | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.2                            | 1.7         | 1.9   |
|                         | Staging Area                        | 0                    | 3           | 3     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.0                            | 4.1         | 4.1   |
|                         | Stringing Site                      | 4                    | 31          | 35    | Vegetation clearing may be required.                                   | Varies                        | 2.1                            | 12.2        | 14.3  |
|                         | Fly Yard                            | 0                    | 2           | 2     | Vegetation clearing may be required.                                   | Varies                        | 0.0                            | 5.2         | 5.2   |
|                         | Guard Structure                     | 2                    | 27          | 29    | Vegetation clearing may be required.                                   | 3-foot diameter               | <0.1                           | <0.1        | <0.1  |
| TL626                   | Direct-Bury Steel Pole Work Area    | 93                   | 114         | 207   | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 2.7                            | 3.3         | 6.0   |
|                         | Self-Supported Steel Pole Work Area | 27                   | 45          | 72    | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.8                            | 1.3         | 2.1   |
|                         | Wood Pole Removal Area              | 0                    | 1           | 1     | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.0                            | <0.1        | <0.1  |
|                         | Staging Area                        | 0                    | 2           | 2     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.0                            | 0.9         | 0.9   |
|                         | Stringing Site                      | 8                    | 20          | 28    | Vegetation clearing may be required.                                   | Varies                        | <u>3.0</u>                     | <u>9.1</u>  | 12.1  |
| TL625                   | Direct-Bury Steel Pole Work Area    | 48                   | 124         | 172   | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 1.4                            | 3.5         | 4.9   |
|                         | Self-Supported Steel Pole Work Area | 24                   | 71          | 95    | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.7                            | 1.9         | 2.6   |
|                         | Wood Pole Removal Area              | 6                    | 7           | 13    | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.2                            | 0.2         | 0.4   |

**Table B-7**  
**Temporary Work Area Summary**

| Work Area Type                             | Approximate Quantity |             |       | Required Improvements  | Approximate Dimensions (Feet) | Total Approximate Area (Acres) |             |       |
|--|----------------------|-------------|-------|--|-------------------------------|--------------------------------|-------------|-------|
|  | Within CNF           | Outside CNF | Total |  |                               | Within CNF                     | Outside CNF | Total |
| Staging Area                               | 0                    | 14          | 14    | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.0                            | 14.9        | 14.9  |
| Stringing Site                             | 12                   | 34          | 46    | Vegetation clearing may be required.                                   | Varies                        | 6.1                            | 14.7        | 20.8  |
| Fly Yard                                   | 2                    | 4           | 6     | Vegetation clearing may be required.                                   | Varies                        | 0.4                            | 6.5         | 6.9   |
| Guard Structure                            | 8                    | 30          | 38    | Vegetation clearing may be required.                                   | 3-foot diameter               | <0.1                           | <0.1        | <0.1  |
| TL629 Direct-Bury Pole Work Area           | 88                   | 187         | 275   | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 2.5                            | 5.4         | 7.9   |
| TL629 Self-Supported Pole Work Area        | 49                   | 118         | 167   | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 1.4                            | 3.3         | 4.7   |
| TL629 Wood Pole Removal Area               | 0                    | 2           | 2     | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.0                            | 0.1         | 0.1   |
| TL629 Staging Area                         | 0                    | 5           | 5     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.0                            | 9.7         | 9.7   |
| TL629 Stringing Site                       | 6                    | 48          | 54    | Vegetation clearing may be required.                                   | Varies                        | 3.1                            | 23.8        | 26.9  |
| TL629 Fly Yard                             | 0                    | 3           | 3     | Vegetation clearing may be required.                                   | Varies                        | 0.0                            | 1.3         | 1.3   |
| TL629 Guard Structure                      | 4                    | 4           | 8     | Vegetation clearing may be required.                                   | 3-foot diameter               | <0.1                           | <0.1        | <0.1  |
| TL6923 Direct-Bury Steel Pole Work Area    | 18                   | 63          | 81    | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | 0.4                            | 1.7         | 2.1   |
| TL6923 Self-Supported Steel Pole Work Area | 1                    | 55          | 56    | Vegetation removal and minor grading may be required.                  | 40-foot diameter              | <0.1                           | 1.4         | 1.5   |
| TL6923 Stringing Site                      | 4                    | 29          | 33    | Vegetation clearing may be required.                                   | Varies                        | 0.5                            | 5.2         | 5.7   |
| TL6923 Guard Structure                     | 0                    | 1           | 1     | Vegetation clearing may be required.                                   | 3-foot diameter               | 0.0                            | <0.1        | <0.1  |

**Table B-7**  
**Temporary Work Area Summary**

| Work Area Type                 |                                  | Approximate Quantity |             |       | Required Improvements  | Approximate Dimensions (Feet) | Total Approximate Area (Acres) |             |       |
|--------------------------------|----------------------------------|----------------------|-------------|-------|--|-------------------------------|--------------------------------|-------------|-------|
|                                |                                  | Within CNF           | Outside CNF | Total |  |                               | Within CNF                     | Outside CNF | Total |
| <i>12 kV Distribution Line</i> |                                  |                      |             |       |  |                               |                                |             |       |
| C79                            | Wood Pole Removal Area           | 46                   | 18          | 64    | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.3                            | 0.1         | 0.4   |
|                                | Staging Area                     | 1                    | 4           | 5     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.3                            | 0.2         | 0.5   |
|                                | Fly Yard                         | 1                    | 0           | 1     | Vegetation clearing may be required.                                   | Varies                        | <0.1                           | 0.0         | <0.1  |
|                                | Stringing Site                   | 2                    | 23          | 25    | Vegetation clearing may be required.                                   | Varies                        | <0.1                           | 0.2         | 0.3   |
|                                | Underground Duct Bank            | 0                    | 1           | 1     | Vegetation removal and minor grading may be required.                  | <12-foot width                | 0                              | 4.1         | 4.1   |
| C78                            | Direct-Bury Steel Pole Work Area | 30                   | 14          | 44    | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.2                            | 0.1         | 0.3   |
|                                | Wood Pole Removal Area           | 21                   | 0           | 21    | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.2                            | 0.0         | 0.2   |
|                                | Stringing Site                   | 0                    | 4           | 4     | Vegetation clearing may be required.                                   | Varies                        | 0.0                            | 0.1         | 0.1   |
| C157                           | Direct-Bury Steel Pole Work Area | 28                   | 29          | 57    | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.2                            | 0.2         | 0.4   |
|                                | Staging Area                     | 1                    | 1           | 2     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.1                            | 0.2         | 0.3   |
|                                | Stringing Site                   | 1                    | 2           | 3     | Vegetation clearing may be required.                                   | Varies                        | <0.1                           | 0.1         | 0.2   |
| C442                           | Direct-Bury Steel Pole Work Area | 82                   | 47          | 129   | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.6                            | 0.3         | 0.9   |
|                                | Staging Area                     | 1                    | 1           | 2     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | <0.1                           | 0.3         | 0.4   |
|                                | Stringing Site                   | 6                    | 4           | 10    | Vegetation clearing may be required.                                   | Varies                        | 0.1                            | 0.1         | 0.2   |

**Table B-7**  
**Temporary Work Area Summary**

| Work Area Type |                                  | Approximate Quantity |             |       | Required Improvements  | Approximate Dimensions (Feet) | Total Approximate Area (Acres) |             |       |
|----------------|----------------------------------|----------------------|-------------|-------|--|-------------------------------|--------------------------------|-------------|-------|
|                |                                  | Within CNF           | Outside CNF | Total |  |                               | Within CNF                     | Outside CNF | Total |
| C440           | Direct-Bury Steel Pole Work Area | 323                  | 117         | 440   | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 2.3                            | 0.8         | 3.1   |
|                | Wood Pole Removal Area           | 81                   | 18          | 99    | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.6                            | 0.1         | 0.7   |
|                | Staging Area                     | 10                   | 0           | 10    | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.8                            | 0.0         | 0.8   |
|                | Stringing Site                   | 107                  | 13          | 120   | Vegetation clearing may be required.                                   | Varies                        | 1.7                            | 0.3         | 2.0   |
|                | Underground Duct Bank            | 3                    | 1           | 4     | Vegetation removal and minor grading may be required.                  | <12-foot width                | 10.9                           | 1.3         | 12.2  |
| C449           | Direct-Bury Steel Pole Work Area | 35                   | 13          | 48    | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.2                            | 0.1         | 0.3   |
|                | Wood Pole Removal Area           | 87                   | 15          | 102   | Vegetation removal and minor grading may be required.                  | 20-foot diameter              | 0.6                            | 0.1         | 0.7   |
|                | Staging Area                     | 0                    | 1           | 1     | Vegetation removal, minor grading, and gravel laydown may be required. | Varies                        | 0.0                            | 0.2         | 0.2   |
|                | Stringing Site                   | 22                   | 8           | 30    | Vegetation clearing may be required.                                   | Varies                        | 0.3                            | 0.1         | 0.4   |
|                | Underground Duct Bank            | 1                    | 1           | 2     | Vegetation removal and minor grading may be required.                  | <12-foot width                | 2.2                            | 0.4         | 2.6   |

Source: SDG&E 2013a.

Please update the following biological resources tables based on the project design changes provided in SDG&E's response to data request no.9 (January 30, 2105). Please provide edits in track changes.

**Table D.4-5**  
**Power Line Replacement Projects**  
**Temporary and Permanent Impacts to Vegetation Communities and Land Cover Types**

| Vegetation Community/Land Cover Types      | Existing Vegetation Community <sup>4</sup><br>(square feet/acres) | Temporary Impact <sup>1,4</sup><br>(square feet/acres) | Permanent Impact <sup>2,4</sup><br>(square feet/acres) | Total Impact <sup>3, 4</sup><br>(square feet/acres) |
|--|---|--|--|---|
| <b>Vegetation Communities</b>              |   |  |  |   |
| Chamise Chaparral                          | 17,681,335 SF / 405.91 ac   | 476,776 SF / 10.95 ac                                  | 1,687 SF / 0.04 ac                                     | 478,463 SF / 10.98 ac                               |
| Diegan Coastal Sage Scrub                  | 18,247,430 SF / 418.90 ac   | 313,614 SF / 7.20 ac                                   | 1,968 SF / 0.05 ac                                     | 315,582 SF / 7.24 ac                                |
| Freshwater Seep/Open Water                 | 638,486 SF / 14.66 ac   | 22,772 SF / 0.52 ac                                    | 9 SF / < 0.01 ac                                       | 22,782 SF / 0.52 ac                                 |
| Mixed Oak Woodland                         | 23,944,877 SF / 549.70 ac   | 419,225 SF / 9.62 ac                                   | 2,129 SF / 0.05 ac                                     | 421,474 SF / 9.68 ac                                |
| Montane Forest                             | 26,453,218 SF / 607.28 ac   | 157,856 SF / 3.62 ac                                   | 981 SF / 0.02 ac                                       | 158,908 SF / 3.65 ac                                |
| Montane Wet Meadow                         | 4,221,945 SF / 96.92 ac   | 37,778 SF / 0.87 ac                                    | 201 SF / < 0.01 ac                                     | 38,099 SF / 0.87 ac                                 |
| Native Grassland                           | 5,385,386 SF / 123.63 ac  | 82,090 SF / 1.88 ac                                    | 335 SF / 0.01 ac                                       | 82,425 SF / 1.89 ac                                 |
| Non-native Grassland                       | 16,454,376 SF / 377.74 ac   | 553,921 SF / 12.72 ac                                  | 1,209 SF / 0.03 ac                                     | 555,131 SF / 12.74 ac                               |
| Oak Savanna                                | 11,842,107 SF / 271.86 ac   | 307,214 SF / 7.05 ac                                   | 898 SF / 0.02 ac                                       | 308,150 SF / 7.07 ac                                |
| Scrub Oak Scrub                            | 6,301 SF / 0.14 ac  | 0 SF / 0 ac  | 0 SF / 0 ac  | 0 SF / 0 ac   |
| Semi-desert Chaparral                      | 11,047,093 SF / 253.61 ac   | 262,121 SF / 6.02 ac                                   | 1,219 SF / 0.03 ac                                     | 263,541 SF / 6.05 ac                                |
| Southern Mixed Chaparral                   | 101,951,081 SF / 2,340.47 ac                                      | 1,860,457 SF / 42.71 ac                                | 6,267 SF / 0.14 ac                                     | 1,867,124 SF / 42.86 ac                             |
| Southern Riparian Forest                   | 9,092,223 SF / 208.73 ac  | 136,121 SF / 3.12 ac                                   | 671 SF / 0.02 ac                                       | 136,792 SF / 3.14 ac                                |
| <i>Subtotal</i>                            | <i>246,9665,858 SF / 5,669.58 ac</i>                              | <i>4,629,945 SF / 106.29 ac</i>                        | <i>17,574 SF / 0.40 ac</i>                             | <i>4,648,471 SF / 106.69 ac</i>                     |
| <b>Land Cover Types</b>                    |   |  |  |   |
| Disturbed (Ruderal/Barren)                 | 3,381,501 SF / 77.63 ac   | 382,940 SF / 8.79 ac                                   | 429 SF / 0.01 ac                                       | 383,529 SF / 8.80 ac                                |
| Pastureland/Cultivated Agriculture         | 11,240,905 SF / 258.06 ac   | 907,644 SF / 20.84 ac                                  | 516 SF / 0.01 ac                                       | 908,184 SF / 20.85 ac                               |
| Urban and Developed/Ornamental Landscaping | 15,927,426 SF / 365.64 ac   | 942,845 SF / 21.64 ac                                  | 2,485 SF / 0.06 ac                                     | 945,419 SF / 21.70 ac                               |
| <i>Subtotal</i>                            | <i>30,549,832SF / 701.33 ac</i>                                   | <i>2,233,429 SF / 51.27 ac</i>                         | <i>3,430 SF / 0.08 ac</i>                              | <i>2,237,132 SF / 51.35 ac</i>                      |
| <b>Grand Total</b>                         | <b>277,515,690 SF / 6,212.86 ac</b>                               | <b>6,863,374 SF / 157.56 ac</b>                        | <b>21,004 SF / 0.48 ac</b>                             | <b>6,885,603 SF / 158.04 ac</b>                     |

**Sources:** SDG&E 2012, 2013b.

**Notes:**

<sup>1</sup> Temporary construction impacts involve the following: direct bury, fly yard and staging areas, micropile, removal, and stringing sites (for a detailed description see Section B, Project Description).

<sup>2</sup> Permanent construction impacts involve the following: direct bury and micropile (for a detailed description see Section B, Project Description).

<sup>3</sup> Totals may not add due to rounding.

<sup>4</sup> Totals do not include "Areas Not Surveyed" (as shown on SDG&E 2012 GIS layer "Vegetation") which accounts for approximately 17.8 acres of temporary and 0.04 acres of permanent impacts.

**Table D.4-6**  
**Power Line Replacement Projects**  
**Temporary and Permanent Vegetation Impacts by TL/Circuit<sup>1</sup>**

| Vegetation Community by TL/Circuit         | Permanent Impact <sup>2,5</sup> (Acres) |                           |                                      | Temporary Impact <sup>3,5</sup> (Acres) |         |                           |                                      |              | Total Impact <sup>4,5</sup> (Acres) |
|--|---|---------------------------|--------------------------------------|---|---------|---------------------------|--------------------------------------|--------------|-------------------------------------|
|  | New Steel                               | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | New Steel                               | Removal | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | Work Area    |                                     |
| <i>TL682</i>                               |   |                           |                                      |   |         |                           |                                      |              |                                     |
| Diegan Coastal Sage Scrub                  | -                                       | 0.01                      | -                                    | -                                       | -       | 0.55                      | -                                    | 1.16         | 1.72                                |
| Disturbed (Ruderal/Barren)                 | -                                       | -                         | -                                    | -                                       | -       | -                         | -                                    | 0.98         | 0.98                                |
| Mixed Oak Woodland                         | -                                       | 0.02                      | -                                    | -                                       | -       | 1.57                      | -                                    | 2.55         | 4.14                                |
| Non-native Grassland                       | -                                       | 0.02                      | -                                    | -                                       | -       | 2.47                      | -                                    | 6.58         | 9.07                                |
| Oak Savanna                                | -                                       | < 0.001                   | -                                    | -                                       | -       | 0.03                      | -                                    | -            | 0.03                                |
| Pastureland/Cultivated Agriculture         | -                                       | 0.01                      | -                                    | -                                       | -       | 0.64                      | -                                    | 2.26         | 2.91                                |
| Southern Mixed Chaparral                   | -                                       | 0.01                      | -                                    | -                                       | -       | 1.52                      | -                                    | 2.99         | 4.52                                |
| Southern Riparian Forest                   | -                                       | < 0.001                   | -                                    | -                                       | -       | 0.06                      | -                                    | 0.67         | 0.73                                |
| Urban and Developed/Ornamental Landscaping | -                                       | < 0.01                    | -                                    | -                                       | -       | 0.44                      | -                                    | 0.77         | 1.21                                |
| <i>TL682 Total</i>                         | -                                       | <i>0.07</i>               | -                                    | -                                       | -       | <i>7.28</i>               | -                                    | <i>17.95</i> | <i>25.30</i>                        |
| <i>TL626</i>                               |   |                           |                                      |   |         |                           |                                      |              |                                     |
| Freshwater Seep/Open Water                 | -                                       | -                         | -                                    | -                                       | 0.03    | < 0.01                    | -                                    | 0.45         | 0.48                                |
| Mixed Oak Woodland                         | -                                       | 0.01                      | -                                    | -                                       | -       | 0.90                      | -                                    | 1.34         | 2.25                                |
| Non-native Grassland                       | -                                       | 0.01                      | -                                    | -                                       | -       | 0.50                      | -                                    | 0.74         | 1.25                                |
| Oak Savanna                                | -                                       | 0.01                      | -                                    | -                                       | -       | 0.95                      | -                                    | 1.04         | 2.00                                |
| Southern Mixed Chaparral                   | -                                       | 0.04                      | -                                    | -                                       | -       | 4.07                      | -                                    | 6.22         | 10.33                               |
| Southern Riparian Forest                   | -                                       | 0.01                      | -                                    | -                                       | -       | 0.71                      | -                                    | 1.01         | 1.73                                |
| Urban and Developed/Ornamental Landscaping | -                                       | 0.01                      | -                                    | -                                       | -       | 0.48                      | -                                    | 0.97         | 1.46                                |

**Table D.4-6**  
**Power Line Replacement Projects**  
**Temporary and Permanent Vegetation Impacts by TL/Circuit<sup>1</sup>**

| Vegetation Community by TL/Circuit         | Permanent Impact <sup>2, 5</sup> (Acres) |                           |                                      | Temporary Impact <sup>3, 5</sup> (Acres) |             |                           |                                      |              | Total Impact <sup>4, 5</sup> (Acres) |
|--|--|---------------------------|--------------------------------------|--|-------------|---------------------------|--------------------------------------|--------------|--------------------------------------|
|  | New Steel                                | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | New Steel                                | Removal     | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | Work Area    |                                      |
| <i>TL626 Total</i>                         | -  | 0.07                      | -                                    | -  | 0.03        | 7.63                      | -                                    | 11.78        | 19.51                                |
| <i>TL625</i>                               |  |                           |                                      |  |             |                           |                                      |              |                                      |
| Chamise Chaparral                          | -  | 0.01                      | -                                    | -  | 0.07        | 0.78                      | -                                    | 5.04         | 5.90                                 |
| Diegan Coastal Sage Scrub                  | < 0.01                                   | 0.02                      | -                                    | 0.06                                     | 0.03        | 0.75                      | -                                    | 1.63         | 2.49                                 |
| Disturbed (Ruderal/Barren)                 | -  | < 0.01                    | -                                    | -  | 0.02        | 0.15                      | -                                    | 5.37         | 5.54                                 |
| Mixed Oak Woodland                         | < 0.001                                  | 0.01                      | -                                    | 0.03                                     | 0.18        | 0.67                      | -                                    | 1.14         | 2.03                                 |
| Native Grassland                           | -  | < 0.01                    | -                                    | -  | 0.03        | 0.06                      | -                                    | 0.49         | 0.58                                 |
| Non-native Grassland                       | -  | -                         | -                                    | -  | -           | -                         | -                                    | < 0.01       | < 0.01                               |
| Oak Savanna                                | -  | < 0.01                    | -                                    | -  | -           | 0.02                      | -                                    | 0.39         | 0.41                                 |
| Pastureland/Cultivated Agriculture         | -  | < 0.01                    | -                                    | -  | -           | 0.21                      | -                                    | 9.27         | 9.48                                 |
| Southern Mixed Chaparral                   | -  | 0.03                      | -                                    | -  | 0.04        | 3.55                      | -                                    | 10.60        | 14.22                                |
| Urban and Developed/Ornamental Landscaping | < 0.001                                  | 0.01                      | -                                    | 0.03                                     | -           | 1.13                      | -                                    | 4.85         | 6.01                                 |
| <i>TL625 Total</i>                         | <i>&lt; 0.01</i>                         | <i>0.09</i>               | <i>-</i>                             | <i>0.11</i>                              | <i>0.37</i> | <i>7.31</i>               | <i>-</i>                             | <i>38.78</i> | <i>46.67</i>                         |
| <i>TL629</i>                               |  |                           |                                      |  |             |                           |                                      |              |                                      |
| Chamise Chaparral                          | -  | 0.02                      | -                                    | -  | -           | 1.33                      | -                                    | 2.98         | 4.32                                 |
| Diegan Coastal Sage Scrub                  | -  | < 0.01                    | -                                    | -  | -           | 0.11                      | -                                    | -            | 0.11                                 |
| Disturbed (Ruderal/Barren)                 | -  | 0.01                      | -                                    | -  | -           | 0.22                      | -                                    | 1.03         | 1.25                                 |
| Mixed Oak Woodland                         | -  | 0.01                      | -                                    | -  | -           | 0.46                      | -                                    | 0.29         | 0.75                                 |
| Native Grassland                           | -  | < 0.01                    | -                                    | -  | -           | 0.08                      | -                                    | -            | 0.08                                 |
| Non-native Grassland                       | -  | < 0.01                    | -                                    | -  | -           | 0.25                      | -                                    | 1.73         | 1.99                                 |
| Oak Savanna                                | -  | 0.01                      | -                                    | -  | -           | 0.98                      | -                                    | 3.34         | 4.34                                 |
| Pastureland/Cultivated Agriculture         | -  | < 0.01                    | -                                    | -  | -           | 0.37                      | -                                    | 7.79         | 8.16                                 |



**Table D.4-6**  
**Power Line Replacement Projects**  
**Temporary and Permanent Vegetation Impacts by TL/Circuit<sup>1</sup>**

| Vegetation Community by TL/Circuit         | Permanent Impact <sup>2, 5</sup> (Acres) |                           |                                      | Temporary Impact <sup>3, 5</sup> (Acres) |             |                           |                                      |              | Total Impact <sup>4, 5</sup> (Acres) |
|--|--|---------------------------|--------------------------------------|--|-------------|---------------------------|--------------------------------------|--------------|--------------------------------------|
|  | New Steel                                | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | New Steel                                | Removal     | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | Work Area    |                                      |
| Semi-Desert Chaparral                      | -  | 0.03                      | -                                    | -  | -           | 1.56                      | -                                    | 4.34         | 5.92                                 |
| Southern Mixed Chaparral                   | < 0.001                                  | 0.02                      | -                                    | 0.03                                     | 0.03        | 2.84                      | -                                    | 4.00         | 6.92                                 |
| Southern Riparian Forest                   | -  | 0.01                      | -                                    | -  | -           | 0.57                      | -                                    | -            | 0.58                                 |
| Urban and Developed/Ornamental Landscaping | -  | 0.03                      | -                                    | -  | 0.03        | 1.63                      | -                                    | 9.91         | 11.60                                |
| <i>TL629 Total</i>                         | <i>&lt; 0.001</i>                        | <i>0.14</i>               | <i>-</i>                             | <i>0.03</i>                              | <i>0.06</i> | <i>10.41</i>              | <i>-</i>                             | <i>35.40</i> | <i>46.03</i>                         |
| <i>TL6923</i>                              |  |                           |                                      |  |             |                           |                                      |              |                                      |
| Chamise Chaparral                          | -  | < 0.01                    | -                                    | -  | -           | 0.55                      | -                                    | -            | 0.56                                 |
| Diegan Coastal Sage Scrub                  | -  | 0.02                      | -                                    | -  | -           | 1.12                      | -                                    | 1.56         | 2.70                                 |
| Freshwater Seep/Open Water                 | -  | < 0.001                   | -                                    | -  | -           | 0.03                      | -                                    | -            | 0.03                                 |
| Mixed Oak Woodland                         | -  | < 0.001                   | -                                    | -  | -           | 0.03                      | -                                    | -            | 0.03                                 |
| Native Grassland                           | -  | < 0.01                    | -                                    | -  | -           | 0.18                      | -                                    | 0.86         | 1.04                                 |
| Non-native Grassland                       | -  | < 0.01                    | -                                    | -  | -           | 0.15                      | -                                    | -            | 0.15                                 |
| Oak Savanna                                | -  | < 0.001                   | -                                    | -  | -           | 0.05                      | -                                    | -            | 0.05                                 |
| Southern Mixed Chaparral                   | -  | 0.02                      | -                                    | -  | -           | 1.57                      | -                                    | 2.50         | 4.10                                 |
| Urban and Developed/Ornamental Landscaping | -  | < 0.01                    | -                                    | -  | -           | 0.18                      | -                                    | 0.77         | 0.95                                 |
| <i>TL6923 Total</i>                        | <i>-</i>                                 | <i>0.05</i>               | <i>-</i>                             | <i>-</i>                                 | <i>-</i>    | <i>3.85</i>               | <i>-</i>                             | <i>5.69</i>  | <i>9.60</i>                          |
| <i>C79</i>                                 |  |                           |                                      |  |             |                           |                                      |              |                                      |
| Montane Forest                             | -  | -                         | -                                    | -  | 0.02        | -                         | -                                    | 0.07         | 0.09                                 |
| Southern Mixed Chaparral                   | -  | -                         | -                                    | -  | 0.44        | -                         | -                                    | 0.35         | 0.79                                 |
| <i>C79 Total</i>                           | <i>-</i>                                 | <i>-</i>                  | <i>-</i>                             | <i>-</i>                                 | <i>0.46</i> | <i>-</i>                  | <i>-</i>                             | <i>0.42</i>  | <i>0.88</i>                          |
| <i>C78</i>                                 |  |                           |                                      |  |             |                           |                                      |              |                                      |

**Table D.4-6**  
**Power Line Replacement Projects**  
**Temporary and Permanent Vegetation Impacts by TL/Circuit<sup>1</sup>**

| Vegetation Community by TL/Circuit         | Permanent Impact <sup>2, 5</sup> (Acres) |                           |                                      | Temporary Impact <sup>3, 5</sup> (Acres) |             |                           |                                      |             | Total Impact <sup>4, 5</sup> (Acres) |
|--|--|---------------------------|--------------------------------------|--|-------------|---------------------------|--------------------------------------|-------------|--------------------------------------|
|  | New Steel                                | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | New Steel                                | Removal     | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | Work Area   |                                      |
| Diegan Coastal Sage Scrub                  | < 0.001                                  | < 0.001                   | < 0.001                              | 0.02                                     | 0.08        | 0.04                      | 0.01                                 | 0.01        | 0.15                                 |
| Native Grassland                           | -  | -                         | -                                    | -  | 0.01        | -                         | -                                    | -           | 0.01                                 |
| Southern Mixed Chaparral                   | < 0.001                                  | < 0.001                   | -                                    | 0.02                                     | 0.03        | 0.01                      | 0.01                                 | -           | 0.07                                 |
| Urban and Developed/Ornamental Landscaping | -  | -                         | -                                    | -  | -           | -                         | -                                    | < 0.01      | < 0.01                               |
| <i>C78 Total</i>                           | <i>&lt; 0.001</i>                        | <i>&lt; 0.001</i>         | <i>&lt; 0.001</i>                    | <i>0.04</i>                              | <i>0.13</i> | <i>0.04</i>               | <i>0.01</i>                          | <i>0.01</i> | <i>0.24</i>                          |
| <i>C157</i>                                |  |                           |                                      |  |             |                           |                                      |             |                                      |
| Mixed Oak Woodland                         | -  | < 0.001                   | -                                    | -  | -           | 0.02                      | -                                    | -           | 0.02                                 |
| Native Grassland                           | < 0.001                                  | < 0.001                   | -                                    | 0.01                                     | -           | 0.09                      | -                                    | 0.06        | 0.16                                 |
| Non-native Grassland                       | < 0.001                                  | < 0.001                   | -                                    | 0.01                                     | -           | 0.01                      | -                                    | 0.18        | 0.19                                 |
| Semi-Desert Chaparral                      | < 0.001                                  | < 0.001                   | -                                    | 0.02                                     | -           | 0.06                      | -                                    | -           | 0.09                                 |
| Southern Mixed Chaparral                   | < 0.001                                  | < 0.01                    | -                                    | 0.01                                     | -           | 0.16                      | -                                    | 0.22        | 0.39                                 |
| Southern Riparian Forest                   | -  | < 0.001                   | -                                    | -  | -           | 0.02                      | -                                    | -           | 0.02                                 |
| <i>C157 Total</i>                          | <i>&lt; 0.001</i>                        | <i>&lt; 0.01</i>          | <i>-</i>                             | <i>0.05</i>                              | <i>-</i>    | <i>0.36</i>               | <i>-</i>                             | <i>0.45</i> | <i>0.87</i>                          |
| <i>C442</i>                                |  |                           |                                      |  |             |                           |                                      |             |                                      |
| Diegan Coastal Sage Scrub                  | -  | < 0.001                   | -                                    | -  | -           | 0.03                      | -                                    | 0.03        | 0.06                                 |
| Disturbed (Ruderal/Barren)                 | -  | -                         | -                                    | -  | -           | -                         | -                                    | 0.27        | 0.27                                 |
| Freshwater Seep/Open Water                 | -  | < 0.001                   | -                                    | -  | -           | 0.01                      | -                                    | < 0.001     | 0.01                                 |
| Mixed Oak Woodland                         | < 0.001                                  | < 0.01                    | -                                    | 0.01                                     | -           | 0.16                      | -                                    | 0.05        | 0.22                                 |
| Montane Forest                             | -  | < 0.01                    | -                                    | -  | -           | 0.15                      | -                                    | 0.05        | 0.21                                 |
| Southern Mixed Chaparral                   | < 0.001                                  | < 0.01                    | -                                    | 0.06                                     | -           | 0.43                      | -                                    | 0.07        | 0.56                                 |

**Table D.4-6**  
**Power Line Replacement Projects**  
**Temporary and Permanent Vegetation Impacts by TL/Circuit<sup>1</sup>**

| Vegetation Community by TL/Circuit         | Permanent Impact <sup>2, 5</sup> (Acres) |                           |                                      | Temporary Impact <sup>3, 5</sup> (Acres) |             |                           |                                      |             | Total Impact <sup>4, 5</sup> (Acres) |
|--|--|---------------------------|--------------------------------------|--|-------------|---------------------------|--------------------------------------|-------------|--------------------------------------|
|  | New Steel                                | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | New Steel                                | Removal     | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | Work Area   |                                      |
| Urban and Developed/Ornamental Landscaping | -  | < 0.001                   | -                                    | -  | -           | 0.01                      | -                                    | -           | 0.01                                 |
| <i>C442 Total</i>                          | <i>0.00</i>                              | <i>0.01</i>               | <i>-</i>                             | <i>0.06</i>                              | <i>-</i>    | <i>0.79</i>               | <i>-</i>                             | <i>0.47</i> | <i>1.34</i>                          |
| <i>C440</i>                                |  |                           |                                      |  |             |                           |                                      |             |                                      |
| Chamise Chaparral                          | -  | < 0.001                   | -                                    | -  | 0.10        | 0.06                      | -                                    | 0.04        | 0.20                                 |
| Diegan Coastal Sage Scrub                  | -  | < 0.001                   | -                                    | -  | -           | 0.01                      | -                                    | -           | 0.01                                 |
| Disturbed (Ruderal/Barren)                 | < 0.001                                  | < 0.001                   | -                                    | 0.01                                     | -           | 0.01                      | -                                    | 0.47        | 0.50                                 |
| Mixed Oak Woodland                         | -  | -                         | -                                    | -  | 0.01        | -                         | -                                    | -           | 0.01                                 |
| Montane Forest                             | < 0.01                                   | 0.02                      | -                                    | 0.15                                     | 0.19        | 1.91                      | -                                    | 1.07        | 3.34                                 |
| Montane Wet Meadow                         | < 0.001                                  | < 0.01                    | -                                    | 0.09                                     | 0.04        | 0.37                      | -                                    | 0.37        | 0.87                                 |
| Native Grassland                           | -  | < 0.001                   | -                                    | -  | -           | 0.01                      | -                                    | -           | 0.01                                 |
| Non-native Grassland                       | < 0.001                                  | < 0.001                   | -                                    | 0.01                                     | -           | 0.06                      | -                                    | 0.01        | 0.08                                 |
| Oak Savanna                                | -  | < 0.001                   | -                                    | -  | -           | 0.01                      | -                                    | -           | 0.01                                 |
| Pastureland/Cultivated Agriculture         | -  | 0.00                      | -                                    | -  | 0.04        | 0.11                      | -                                    | 0.15        | 0.31                                 |
| Southern Mixed Chaparral                   | -  | < 0.001                   | -                                    | -  | 0.27        | 0.04                      | -                                    | 0.12        | 0.43                                 |
| Southern Riparian Forest                   | -  | -                         | -                                    | -  | 0.01        | -                         | -                                    | -           | 0.01                                 |
| Urban and Developed/Ornamental Landscaping | -  | < 0.01                    | -                                    | -  | -           | 0.20                      | -                                    | 0.14        | 0.34                                 |
| <i>C440 Total</i>                          | <i>&lt; 0.01</i>                         | <i>0.03</i>               | <i>-</i>                             | <i>0.26</i>                              | <i>0.66</i> | <i>2.81</i>               | <i>-</i>                             | <i>2.37</i> | <i>6.12</i>                          |
| <i>C449</i>                                |  |                           |                                      |  |             |                           |                                      |             |                                      |
| Disturbed (Ruderal/Barren)                 | -  | -                         | -                                    | -  | -           | -                         | < 0.001                              | 0.25        | 0.25                                 |
| Mixed Oak Woodland                         | -  | < 0.001                   | < 0.001                              | -  | 0.10        | 0.01                      | 0.01                                 | 0.10        | 0.23                                 |
| Non-native Grassland                       | -  | -                         | -                                    | -  | 0.01        | -                         | -                                    | -           | 0.01                                 |

**Table D.4-6**  
**Power Line Replacement Projects**  
**Temporary and Permanent Vegetation Impacts by TL/Circuit<sup>1</sup>**

| Vegetation Community by TL/Circuit         | Permanent Impact <sup>2, 5</sup> (Acres) |                           |                                      | Temporary Impact <sup>3, 5</sup> (Acres) |             |                           |                                      |               | Total Impact <sup>4, 5</sup> (Acres) |
|--|--|---------------------------|--------------------------------------|--|-------------|---------------------------|--------------------------------------|---------------|--------------------------------------|
|  | New Steel                                | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | New Steel                                | Removal     | Wood-to-Steel Replacement | Wood-to-Steel Replacement/Relocation | Work Area     |                                      |
| Oak Savanna                                | -  | -                         | -                                    | -  | 0.16        | -                         | -                                    | 0.07          | 0.23                                 |
| Semi-Desert Chaparral                      | -  | -                         | -                                    | -  | -           | -                         | -                                    | 0.04          | 0.04                                 |
| Southern Mixed Chaparral                   | < 0.001                                  | < 0.001                   | < 0.001                              | 0.02                                     | 0.33        | 0.06                      | 0.07                                 | 0.05          | 0.54                                 |
| Southern Riparian Forest                   | < 0.001                                  | < 0.001                   | -                                    | 0.01                                     | -           | 0.03                      | -                                    | 0.03          | 0.07                                 |
| Urban and Developed/Ornamental Landscaping | -  | -                         | -                                    | -  | 0.03        | -                         | -                                    | 0.09          | 0.12                                 |
| <i>C449 Total</i>                          | <i>&lt; 0.001</i>                        | <i>&lt; 0.01</i>          | <i>&lt; 0.01</i>                     | <i>0.03</i>                              | <i>0.64</i> | <i>0.10</i>               | <i>0.09</i>                          | <i>0.63</i>   | <i>1.49</i>                          |
| <b>Grand Total</b>                         | <b>0.01</b>                              | <b>0.47</b>               | <b>&lt; 0.01</b>                     | <b>0.58</b>                              | <b>2.34</b> | <b>40.58</b>              | <b>0.10</b>                          | <b>113.96</b> | <b>158.04</b>                        |

**Sources:** SDG&E 2012, 2013b.

**Notes:**

- <sup>1</sup> Impacts < 0.001 or < 0.01 acres signify a minute impact to a given vegetation community.
- <sup>2</sup> Permanent construction impacts involve the following: direct bury and micropile (for a detailed description see Section B, Project Description).
- <sup>3</sup> Temporary construction impacts involve the following: direct bury, fly yard, and staging areas, micropile, removal, and stringing sites (for a detailed description see Section B, Project Description). Permanent Impacts
- <sup>4</sup> Totals may not add due to rounding.
- <sup>5</sup> Totals do not include "Areas Not Surveyed" (as shown on SDG&E 2012 GIS layer "Vegetation") which accounts for approximately 17.8 acres of temporary and 0.04 acres of permanent impacts.

**Table D.4-7**  
**Anticipated Temporary and Permanent Impacts for Preserve Areas**

| Preserve Areas by Line                                      | Permanent Impacts (Acres) | Temporary Impacts (Acres) | Grand Total (Acres) <sup>1</sup> |
|---|---------------------------|---------------------------|----------------------------------|
| <i>MSCP East County</i>                                     |                           |                           |                                  |
| <i>TL682</i>  |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone within FCA     | < 0.01                    | 0.02                      | 0.02                             |
| RMS 3 - Land managed as Open Space                          | 0.02                      | 15.34                     | 15.36                            |
| <i>TL682 Total</i>  | <i>0.02</i>               | <i>15.36</i>              | <i>15.38</i>                     |
| <i>TL626</i>  |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone within FCA     | < 0.01                    | 0.71                      | 0.71                             |
| RMS 2 - Land managed with Ecological Protection             | -                         | 0.26                      | 0.26                             |
| RMS 3 - Land managed as Open Space                          | 0.03                      | 5.97                      | 6.00                             |
| <i>TL626 Total</i>  | <i>0.03</i>               | <i>6.93</i>               | <i>6.96</i>                      |
| <i>TL625</i>  |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone outside of FCA | < 0.01                    | 0.29                      | 0.29                             |
| Riparian/Wetland Habitat and Transition Zone within FCA     | < 0.01                    | 0.05                      | 0.05                             |
| RMS 1 - Highest Level of Ecological Protection              | 0.01                      | 0.77                      | 0.77                             |
| RMS 2 - Land managed with Ecological Protection             | < 0.01                    | 0.82                      | 0.82                             |
| RMS 3 - Land managed as Open Space                          | 0.01                      | 6.45                      | 6.46                             |
| <i>TL625 Total</i>  | <i>0.02</i>               | <i>8.37</i>               | <i>8.39</i>                      |
| <i>TL629</i>  |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone outside of FCA | < 0.01                    | 0.72                      | 0.72                             |
| Riparian/Wetland Habitat and Transition Zone within FCA     | 0.01                      | 1.46                      | 1.47                             |
| RMS 3 - Land managed as Open Space                          | 0.03                      | 6.62                      | 6.65                             |
| <i>TL629 Total</i>  | <i>0.04</i>               | <i>8.80</i>               | <i>8.84</i>                      |
| <i>TL6923</i>   |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone within FCA     | < 0.01                    | 0.05                      | 0.05                             |
| RMS 1 - Highest Level of Ecological Protection              | -                         | < 0.01                    | < 0.01                           |
| RMS 2 - Land managed with Ecological Protection             | < 0.01                    | 0.64                      | 0.64                             |
| RMS 3 - Land managed as Open Space                          | 0.03                      | 4.75                      | 4.78                             |
| <i>TL6923 Total</i>   | <i>0.03</i>               | <i>5.43</i>               | <i>5.47</i>                      |

**Table D.4-7**  
**Anticipated Temporary and Permanent Impacts for Preserve Areas**

| Preserve Areas by Line                                  | Permanent Impacts (Acres) | Temporary Impacts (Acres) | Grand Total (Acres) <sup>1</sup> |
|---|---------------------------|---------------------------|----------------------------------|
| <i>C79</i>  |                           |                           |                                  |
| RMS 1 - Highest Level of Ecological Protection          | -                         | 0.46                      | 0.46                             |
| RMS 2 - Land managed with Ecological Protection         | -                         | 0.19                      | 0.19                             |
| RMS 3 - Land managed as Open Space                      | -                         | 0.49                      | 0.49                             |
| <i>C79 Total</i>  | -                         | 1.14                      | 1.14                             |
| <i>C78</i>  |                           |                           |                                  |
| RMS 3 - Land managed as Open Space                      | < 0.01                    | 0.34                      | 0.34                             |
| <i>C78 Total</i>  | < 0.01                    | 0.34                      | 0.34                             |
| <i>C157</i>   |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone within FCA | < 0.01                    | < 0.01                    | < 0.01                           |
| RMS 1 - Highest Level of Ecological Protection          | < 0.01                    | 0.11                      | 0.11                             |
| RMS 3 - Land managed as Open Space                      | < 0.01                    | 0.17                      | 0.17                             |
| <i>C157 Total</i>                                       | < 0.01                    | 0.28                      | 0.28                             |
| <i>C442</i>   |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone within FCA | -                         | 0.06                      | 0.06                             |
| RMS 3 - Land managed as Open Space                      | < 0.01                    | 0.24                      | 0.25                             |
| <i>C442 Total</i>                                       | < 0.01                    | 0.30                      | 0.30                             |
| <i>C440</i>   |                           |                           |                                  |
| RMS 3 - Land managed as Open Space                      | < 0.01                    | 0.58                      | 0.58                             |
| <i>C440 Total</i>                                       | < 0.01                    | 0.58                      | 0.58                             |
| <i>C449</i>   |                           |                           |                                  |
| Riparian/Wetland Habitat and Transition Zone within FCA | < 0.01                    | 0.04                      | 0.04                             |
| RMS 3 - Land managed as Open Space                      | < 0.01                    | 0.85                      | 0.85                             |
| <i>C449 Total</i>                                       | < 0.01                    | 0.89                      | 0.89                             |
| <i>MSCP East County Total</i>                           | 0.15                      | 48.44                     | 48.59                            |
| <i>MSCP North County-</i>                               |                           |                           |                                  |
| <i>TL682</i>  |                           |                           |                                  |
| Preserve Areas  | < 0.01                    | 0.09                      | 0.09                             |

**Table D.4-7**  
**Anticipated Temporary and Permanent Impacts for Preserve Areas**

| Preserve Areas by Line               | Permanent Impacts (Acres) | Temporary Impacts (Acres) | Grand Total (Acres) <sup>1</sup> |
|--------------------------------------|---------------------------|---------------------------|----------------------------------|
| <i>TL682/MSCP North County Total</i> | < 0.01                    | <i>0.09</i>               | <i>0.09</i>                      |
| <b>Grand Total</b>                   | <b>0.15</b>               | <b>48.53</b>              | <b>48.68</b>                     |

**Source:** County of San Diego Planning & Development Services. 2014; SDG&E 2013b

**Notes:**

<sup>1</sup> Totals may not add due to rounding.

**Table D.4-8**  
**Power Line Replacement Projects**  
**Potential Temporary and Permanent Impacts to Riparian Conservation Areas**

| Line         | Temporary Impact <sup>1</sup> (Acres) | Permanent Impact <sup>2</sup> (Acres) | Total Impacts (Acres) <sup>3, 4</sup> |
|--------------|---------------------------------------|---------------------------------------|---------------------------------------|
| TL682        | 0.5                                   | < 0.1                                 | 0.5                                   |
| TL626        | 0.7                                   | 0                                     | 0.7                                   |
| TL625        | 0.5                                   | 0                                     | 0.5                                   |
| TL629        | 3.7                                   | < 0.1                                 | 3.7                                   |
| TL6923       | 0.2                                   | 0                                     | 0.2                                   |
| C79          | 0                                     | 0                                     | 0                                     |
| C78          | < 0.1                                 | 0                                     | < 0.1                                 |
| C157         | < 0.1                                 | 0                                     | < 0.1                                 |
| C442         | 0.4                                   | 0                                     | 0.4                                   |
| C440         | 1.8                                   | < 0.1                                 | 1.8                                   |
| C449         | 0.9                                   | 0                                     | 0.9                                   |
| <b>Total</b> | <b>8.8</b>                            | <b>&lt; 0.1</b>                       | <b>8.8</b>                            |

**Source:** SDG&E 2013a.

**Notes:**

- <sup>1</sup> Temporary construction impacts involve the following: direct bury, fly yard and staging areas, micropile, removal, and stringing sites (for a detailed description see Section B, Project Description).
- <sup>2</sup> Permanent construction impacts involve the following: direct bury and micropile (for a detailed description see Section B, Project Description).
- <sup>3</sup> Impacts to jurisdictional resources are estimates based on current SDG&E proposed project design and information collected to date.
- <sup>4</sup> Both temporary and permanent impacts to RCAs may be further reduced during project design revisions.



**Table D.4-10**  
**Temporary and Permanent Impacts to ACOE Jurisdictional Waters<sup>1</sup> and Wetland Resources**

| Project Components (listed from North-South) Feature Type | Temporary Impact <sup>2,3</sup><br>(Acres) | Permanent Impact <sup>2,3</sup><br>(Acres) | Total Impact <sup>2,3</sup><br>(Acres) |
|---|--|--|--|
| <i>TL682</i>  |  |  |  |
| Ephemeral   | 0.01 ac                                    | -  | 0.01 ac                                |
| Intermittent  | 0.07 ac                                    | -  | 0.07 ac                                |
| Wetland Resources   | 0.25 ac                                    | < 0.01 ac                                  | 0.25 ac                                |
| <i>TL682 Total</i>  | <i>0.33 ac</i>                             | <i>&lt; 0.01 ac</i>                        | <i>0.33 ac</i>                         |
| <i>TL626</i>  |  |  |  |
| Ephemeral   | 0.01 ac                                    | < 0.01 ac                                  | 0.01 ac                                |
| Wetland Resources   | 0.04 ac                                    | < 0.01 ac                                  | 0.04 ac                                |
| <i>TL626 Total</i>  | <i>0.05 ac</i>                             | <i>&lt; 0.01 ac</i>                        | <i>0.05 ac</i>                         |
| <i>TL625</i>  |  |  |  |
| Ephemeral   | 0.05 ac                                    | -  | 0.05 ac                                |
| Meadow  | 0.02 ac                                    | -  | 0.02 ac                                |
| Wetland Resources   | 1.41 ac                                    | < 0.01 ac                                  | 1.41 ac                                |
| <i>TL625 Total</i>  | <i>1.48 ac</i>                             | <i>&lt; 0.01 ac</i>                        | <i>1.48 ac</i>                         |
| <i>TL629</i>  |  |  |  |
| Ephemeral   | 0.03 ac                                    | < 0.01 ac                                  | 0.03 ac                                |
| Intermittent  | < 0.01 ac                                  | -  | < 0.01 ac                              |
| Wetland Resources   | 0.06 ac                                    | < 0.01 ac                                  | 0.06 ac                                |
| <i>TL629 Total</i>  | <i>0.09 ac</i>                             | <i>&lt; 0.01 ac</i>                        | <i>0.09 ac</i>                         |
| <i>TL6923</i>   |  |  |  |
| Ephemeral   | < 0.01 ac                                  | < 0.01 ac                                  | < 0.01 ac                              |
| Perennial   | < 0.01 ac                                  | < 0.01 ac                                  | < 0.01 ac                              |
| <i>TL6923 Total</i>                                       | <i>0.01 ac</i>                             | <i>&lt; 0.01 ac</i>                        | <i>0.01 ac</i>                         |
| <i>C79</i>  |  |  |  |
| <i>C79 Total</i>  | <i>-</i>                                   | <i>-</i>                                   | <i>-</i>                               |
| <i>C78</i>  |  |  |  |

**Table D.4-10**  
**Temporary and Permanent Impacts to ACOE Jurisdictional Waters<sup>1</sup> and Wetland Resources**

| Project Components (listed from North-South) Feature Type | Temporary Impact <sup>2,3</sup><br>(Acres) | Permanent Impact <sup>2,3</sup><br>(Acres) | Total Impact <sup>2,3</sup><br>(Acres) |
|---|--|--|--|
| Ephemeral   | < 0.01 ac                                  | -  | < 0.01 ac                              |
| <i>C78 Total</i>  | < 0.01 ac                                  | -  | < 0.01 ac                              |
| <i>C157</i>   |  |  |  |
| <i>C157 Total</i>   | -  | -  | -                                      |
| <i>C442</i>   |  |  |  |
| Ephemeral   | < 0.01 ac                                  | -  | < 0.01 ac                              |
| <i>C442 Total</i>   | < 0.01 ac                                  | -  | < 0.01 ac                              |
| <i>C440</i>   |  |  |  |
| Ephemeral   | < 0.01 ac                                  | < 0.01 ac                                  | < 0.01 ac                              |
| <i>C440 Total</i>   | < 0.01 ac                                  | < 0.01 ac                                  | < 0.01 ac                              |
| <i>C449</i>   |  |  |  |
| Ephemeral   | < 0.01 ac                                  | -  | < 0.01 ac                              |
| <i>C449 Total</i>   | < 0.01 ac                                  | -  | < 0.01 ac                              |
| <b><i>Waters<sup>1</sup> Subtotal</i></b>                 | <b><i>0.21 ac</i></b>                      | <b><i>&lt; 0.01</i></b>                    | <b><i>0.21 ac</i></b>                  |
| <b><i>Wetlands Subtotal</i></b>                           | <b><i>1.75 ac</i></b>                      | <b><i>&lt; 0.01 ac</i></b>                 | <b><i>1.76 ac</i></b>                  |
| <b>Total</b>  | <b>1.96 ac</b>                             | <b>&lt; 0.01 ac</b>                        | <b>1.96 ac</b>                         |

**Source:** SDG&E 2013b.

**Notes:**

<sup>1</sup> Jurisdictional waters include ephemeral, intermittent, and meadow resources.

<sup>2</sup> Estimates of potential project impacts to waters of the U.S. (including wetlands) is based on preliminary jurisdictional delineation data, current SDG&E proposed project design, and information collected to date (SDG&E 2013).

<sup>3</sup> Totals may not add due to rounding.

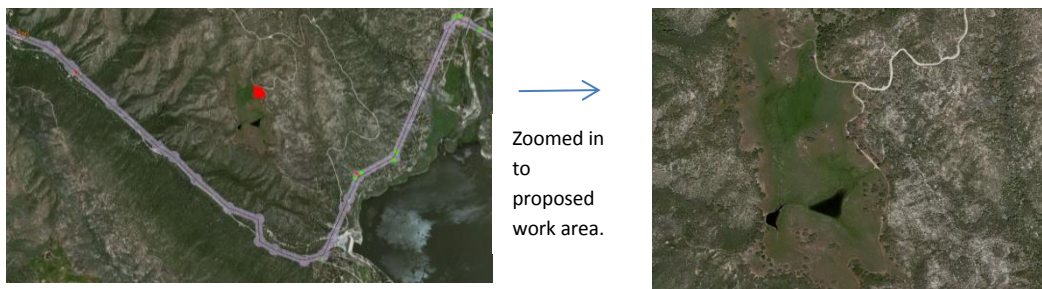
INTENTIONALLY LEFT BLANK

**SDG&E Design Changes (January 2015)**  
**Proposed Work Areas within Potentially Sensitive Biological Resources**

Please provide biological resource data for the new work areas shown in the images below. The snap shots are based on the SDG&E GIS data provided on February 13, 2015 as part of SDG&E's Response to Data Request No. 9 (January 30, 2015).

(Red = newly proposed work areas)

1. TL682 – Approx. 0.76 miles NE of TL682. Proposed fly yard.



2. TL 626 – Approx. 415 feet W of TL626. Proposed staging area.



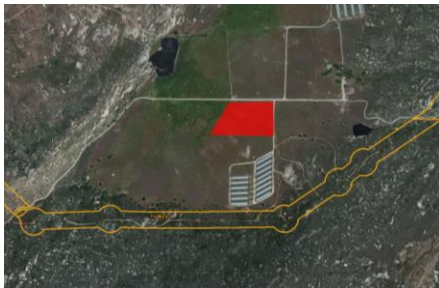
3. TL626 – Approx. 290 feet E of TL626. Proposed staging area.



4. TL625 – Approx. 0.4 miles E of TL625. Proposed stringing site.



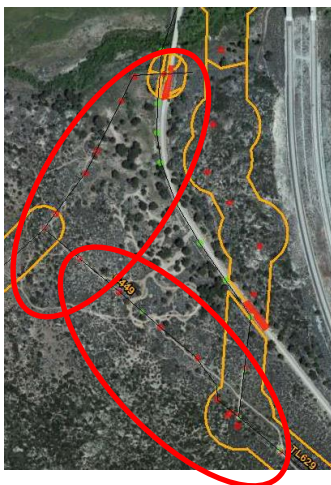
5. TL6923 – Approx. 0.26 miles N of TL6923. Proposed staging area.



6. TL6923 – Approx. 0.07 miles S of TL6923. Proposed staging area.



7. C449 – Previously established work areas that are outside of the vegetation mapping boundaries. The work areas circled in red appear to have an expanded radius from previous GIS layers.



**Exhibit D**  
**Data Request No. 10**

Please update the following cultural resources tables based on the project design changes provided in SDG&E's response to data request no.9 (January 30, 2105). Please provide edits in track changes.

**Table D.5-12**  
**Power Line Replacement Projects – CUL-1 Impacts**

| <b>Project Components</b> | <b>Historic Built Resource (building, structure, object)</b>   | <b>Description of Impact</b>  | <b>Significance Determination</b>                         |
|---------------------------|--|---|---|
| TL682                     | SDI-9580 (BW-103), historic water basins   | One replacement pole is located within this resource site; however, SDG&E's proposed project does not anticipate impacting this resource. | Class II under CEQA and not adverse under NEPA and NHPA.  |
| TL626                     | SDI-19031, historical lumber mill  | One replacement pole and access road are located within this resource site and could have a direct impact on this resource.               | Class II under CEQA and not adverse under NEPA and NHPA.  |
| TL625                     | None   | None  | No impact under CEQA and not adverse under NEPA and NHPA. |
| TL629                     | None   | None  | No impact under CEQA and not adverse under NEPA and NHPA. |
| TL6923                    | None   | None  | No impact under CEQA and not adverse under NEPA and NHPA. |
| C79                       | P-37-015813, historical structure  | Proposed underground conduit is located near this resource site and could have an indirect impact on this resource.                       | Class II under CEQA and not adverse under NEPA and NHPA.  |
| C78                       | None   | None  | No impact under CEQA and not adverse under NEPA and NHPA. |
| C157                      | None   | None  | No impact under CEQA and not adverse under NEPA and NHPA. |
| C442                      | P-37-014420, P-37-014419, P-37-014427, P-37-014424, P-37-014425, P-37-014417, P-37-014418, P-37-014423, P-37-014422 (historical cabins)  | Overhead lines at nine replacement poles are attached to historic resources and could have a direct impact to these resources.            | Class II under CEQA and not adverse under NEPA and NHPA.  |
| C440                      | P-37-014455, P-37-014457, P-37-014460, P-37-014407, P-37-014402, P-37-014475, P-37-014470, P-37-014482, P-37-014458, P-37-014451, P-37-014463, P-37-014461, P-37-014464, P-37-014458, P-37-014435, P-37-014444 (historical cabins) | 16 new poles are located near these resource sites and could have an indirect impact on these resources.                                  | Class II under CEQA and not adverse under NEPA and NHPA.  |
|                           | P-37-014454, P-37-014448, P-37-014413, P-37-014483, P-37-014465, P-37-014470, P-37-014467, P-37-014490, P-37-014491, P-37-014410, P-   | Overhead lines at 39 replacement poles are attached to these historical resources and could have a direct impact on these resources.      |   |

**Table D.5-12**  
**Power Line Replacement Projects – CUL-1 Impacts**

| Project Components | Historic Built Resource (building, structure, object)   | Description of Impact | Significance Determination                      |
|--------------------|---|-----------------------|---|
|                    | 37-014485, P-37-14487, P-37-14488, P-37-14411, P-37-14489, P-37-014480, P-37-014479, P-37-014478, P-37-014476, P-37-014481, P-37-014408, P-37-014409, P-37-014468, P-37-014456, P-37-014462, P-37-014452, P-37-014472, P-37-014450, P-37-014453, P-37-014459, P-37-014474, P-37-014473, P-37-014396, P-37-014433, P-37-014441, P-37-014437, P-37-014436, P-37-014435, P-37-014434 (historical cabins) |                       |   |
| C449               | None  | None                  | No impact under CEQA and not adverse under NEPA |

Source: ASM 2011

**Table D.5-13**  
**Power Line Replacement Projects – CUL-2 Impacts**

| Project Components | Archaeological Resource   | Description of Impact  | Significance Determination                               |
|--------------------|---|--|--|
| TL682              | SDI-19748 (BW-109), SDI-5987, SDI-19747 (BW-108), SDI-615, P-37-032756 (BW-I-147), SDI-19746 (BW-107), SDI-19744 (BW-105), SDI-19745 (BW-106), SDI-19743 (BW-104), P-37-032754 (BW-I-145), P-37-032755 (BW-I-146), SDI-19739 (BW-98), SDI-789, SDI-791, SDI-10449, SDI-9694, SDI-770, SDI-10663, SDI-19749 (BW-97), SDI-19737 (BW-96), SDI-17883, SDI-19738 (BW-101), SDI-19742 (BW-102), P-37-032751 (BW-I-142), P-37-032752 (BW-I-143), P-37-032753 (BW-I-144), P-37-032750 (BW-I-141), P-37-032749 (BW-I-140), P-37-032748 (BW-I-139), SDI-19741 (BW-100), SDI-19740 (BW-99), P-37-032747 (BW-I-138) | Thirty-five (35) replacement pole locations were identified near an archaeological site. Additionally, 10 facilities and 123 poles were identified in areas of high potential for buried cultural deposits (see Appendix CUL-1 (confidential) of this EIR/EIS for further detail). | Class II under CEQA and not adverse under NEPA and NHPA. |
| TL626              | SDI-17884, SDI-19359 (ASM-626-3), SDI-4592, SDI-5724/W-493, SDI-7102, BW-I-06, SDI-19360, SDI-16880, SDI-7110, SDI-16878, ASM-626-2, SDI-19371, SDI-19025, SDI-19353, SDI-19372 (BW-02), SDI-12950, SDI-7929/SDI-10950, SDI-19354, SDI-5556, SDI-5442, SDI-19362, SDI-19355, SDI-4280, SDI-17877, SDI-19169, SDI-4278, P-037-030457, SDI-17887, SDI-15659, SDI-6650/W-904, SDI-5920, BW-I-01, SDI-12951, SDI-12957, SDI-5557, SDI-19026, SDI-5721   | Six replacement pole locations and three new pole locations were identified near an archaeological site. Additionally, there are 457 poles in areas of high sensitivity for buried cultural deposits.  | Class II under CEQA and not adverse under NEPA and NHPA. |
| TL625              | SDI-19353, SDI-7929/SDI-10950, SDI-19354, SDI-5442, SDI-19362, KM-7iso, SDI-19355, SDI-4280, SDI-4276, SDI-4278, P-037-030457, SDI-6650/W-904, SDI-5920, SDI-19367, SDI-19026, SDI-12106/12107, SDI-12108, SDI-12110, SDI-12109   | Six replacement pole locations were identified near an archaeological site. Additionally, there are 244 poles in areas of high potential for buried cultural deposits.   | Class II under CEQA and not adverse under NEPA and NHPA. |



**Table D.5-13**  
**Power Line Replacement Projects – CUL-2 Impacts**

| Project Components | Archaeological Resource  | Description of Impact   | Significance Determination                               |
|--------------------|--|---|--|
| TL629              | P-37-032757 (EP-4 iso)late, P-37-032758 (EP-5 iso)late, P-37-032759 (EP-6 iso)late, SDI-16503, SDI-18119, SDI-8855, SDI-8302, SDI-8301, SDI-19351 (KM-15), P-37-024023, SDI-19366 (ASM-6), SDI-19352 (ASM-5), P-37-015165, SDI-17212, SDI-11976, KM-16, SDI-9392, P-37-032760 (EP-7 iso)late, P-37-030474 (EP-8), P-37-032761 (EP-9 iso)late, P-37-030472 (KM-21), P-37-030473 (KM-22), P-37-030475 (BW-01), SDI-8239, SDI-4787, SDI-80, SDI-19026, P-37-032762 (EP-10 iso)late, P-37-032746 (BW-I-04), SDI-5500, SDI-17281, SDI-17282, BW-I-250, SDI-21046 (JH-01), SDI-21047 (JH-02), SDI-8951 | Seven replacement pole locations were identified near an archaeological site. However, existing access roads that pass through two pole locations would be eliminated and these poles are proposed to be helicopter set. Additionally, there are 327 poles in areas of high sensitivity for buried cultural deposits. | Class II under CEQA and not adverse under NEPA and NHPA. |
| TL6923             | SDI-11605, SDI-8443, SDI-8444, SDI-8445, SDI-20224 (SPAP-S-4), SDI-20223 (Potrero 2), SDI-20148 (BW-174), SDI-17999, SDI-17998, SDI-17989, SDI-19280, SDI-8439, SDI-19805, SDI-19795, SDI-19279, SDI-10040, SDI-19040, SDI-19039, SDI-4724, SDI-19811, SDI-19813, SDI-16773, SDI-17095, SDI-17093/17096  | Twenty-three (23) replacement pole locations were identified near an archaeological site. Additionally, there are 13 poles in areas of high sensitivity for buried cultural deposits.   | Class II under CEQA and not adverse under NEPA and NHPA. |
| C79                | SDI-9075, SDI-9081, SDI-9082, SDI-9086, SDI-17032, SDI-17041, SDI-20133 (TQ-S-1)   | No replacement pole locations were identified near an archaeological site. However, the proposed underground conduit bisects two cultural resources and runs adjacent to six identified cultural resources. Additionally, there is one pole in an area of high sensitivity for buried cultural deposits.              | Class II under CEQA and not adverse under NEPA and NHPA. |
| C78                | SDI-20131, SDI-20132   | Installation of two new steel poles are located near two cultural resources. Additionally, there are three poles in areas of high sensitivity for buried cultural deposits.   | Class II under CEQA and not adverse under NEPA NHPA.     |
| C157               | SDI-10615  | Three replacement pole locations were identified near the prehistoric habitation. Additionally, 54 replacement poles are located in areas of high sensitivity for buried cultural deposits.   | Class II under CEQA and not adverse under NEPA and NHPA. |

**Table D.5-13**  
**Power Line Replacement Projects – CUL-2 Impacts**

| Project Components | Archaeological Resource   | Description of Impact   | Significance Determination                               |
|--------------------|---|---|--|
| C442               | SDI-9207, SDI-20149, SDI-9207, SDI-12731, SDI-9713, SDI-20140 (ARG-01)  | Five (5) replacement pole locations were identified near archaeological sites, 10 replacement pole locations have overhead facilities attached to historical structures, and 3 poles would occur within bedrock outcrops. Additionally, there are 93 poles in areas of high sensitivity for buried cultural deposits.   | Class II under CEQA and not adverse under NEPA and NHPA. |
| C440               | SDI-116, SDI-9150, SDI-5852, SDI-5865, SDI-8504, SDI-8528, SDI-8529, SDI-8533, SDI-20134 (TQ-01), SDI-11232, SDI-11233, SDI-9402, SDI-9396, SDI-9399, SDI-9395, SDI-20158 (ARG-20), SDI-20135 (TQ-02), SDI-20136 (TQ-3), SDI-8506, SDI-8507, SDI-20137 (TQ-04), SDI-10113, SDI-10114, SDI-10108, SDI-8534, SDI-8512, SDI-8495, SDI-8496, SDI-20139 (TQ-06), SDI-8479, SDI-20138 (TQ-05), SDI-8493, SDI-8492/-15156, SDI-8550, SDI-17878, SDI-8483 | One hundred and two (102) replacement pole locations and the proposed underground conduit were identified near one of the archaeological sites. Of the 102 replacement pole locations, 32 of the pole replacement locations, and 3 new poles are in, or immediately adjacent to cultural resource sites. Thirty-two (32) poles have overhead lines that are attached to historical residences. Additionally, there are 333 poles in areas of high sensitivity for buried cultural deposits. | Class II under CEQA and not adverse under NEPA and NHPA. |
| C449               | SDI-80, SDI-16227/16229, SDI-20144 (BW-179), SDI-20145 (BW-180), SDI-16232, SDI-7885, SDI-20150 (C449-1), SDI-16231, SDI-20143 (ARG-8), SDI-20141 (ARG-5), SDI-7886, P-37-031709 (ARG-6), SDI-20142 (ARG-7)   | Twenty-five (25) replacement pole locations were identified in or near one of the archaeological sites. Additionally, there are 13 poles in areas of high sensitivity for buried cultural deposits.   | Class II under CEQA and not adverse under NEPA and NHPA. |

Source: ASM 2011

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