



Shivani Ballesteros
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May 1, 2015

Reg.12-10/A.12-10-009
SDG&E CNF PTC Application

Sent Via Sempra EDT System

Lisa Orsaba California Public Utilities Commission Energy Division 505 Van Ness Avenue San Francisco, CA 94102	Rica Nitka Dudek 605 Third Street Encinitas, CA 92024
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Subject: CNF ED10-SDGE CONSOLIDATED RESPONSE – Q1-5.

Dear Ms. Orsaba and Ms. Nitka:

Attached please find SDG&E's Consolidated Response to Energy Division's (ED) Data Request 10 issued on February 27, 2015. This submittal **supersedes** previous response submittals and completes the utility's response to Data Request 10.

Included in this submittal are the following:

1. CNF ED10-SDGE Consolidated Response
2. CNF Project Components and Veg.gdb
3. CNF TL625 Mapbook
4. CNF TL626 Mapbook
5. CNF TL629 Mapbook

Specifically, the tables in Exhibit A have been updated based on additional information and discussion with the wildlife agencies, the Exhibit B tables have not previously been submitted, and the Exhibit D tables are being resubmitted but have not changed. Information pertaining to Exhibit C is provided in the mapset and database that is submitted along with the text response.

In Rebecca Giles' absence, please feel free to contact me by phone at (858) 637-7914 or e-mail: SBallesteros@semprautilities.com if you have any questions or require additional information.

Sincerely,

Signed

Shivani Ballesteros
Regulatory Case Manager

Enclosures

cc: Allen Trial – SDG&E
Elizabeth Cason – SDG&E
Tim Knowd – SDG&E
Central Files - SDG&E
Fred Bauermeister – Insignia

John Porteous – Dudek
Bob Hawkins – US Forest Service
Jeff Heys – Cleveland National Forest, USFS
Kelli Taylor - Cleveland National Forest, USFS

ED10-SDGE 04/30/2015 Consolidated Response
A. 12-10-009 Cleveland National Forest (CNF) Power Line Replacement Projects PTC
ED Data Request 10 Dated February 27, 2015

1. PROJECT DESCRIPTION	Q1-2	Ref Exh A
2. BIOLOGICAL RESOURCES	Q3-4	Ref Exh B-C
3. CULTURAL RESOURCES	Q5	Ref Exh D

Question 1:

Please update the tables provided in **Exhibit A** (project description tables) based on SDG&E's design changes provided in DR9.

Response to Q1:

As requested, SDG&E has updated the tables provided in Exhibit A to include the design changes that have occurred since the April 2013 submission of the Revised Plan of Development. Please note that SDG&E used the October 2014 parcel layer provided by SanGIS to evaluate the number of miles of the Proposed Projects' lines that cross the various land owner types provided in Table B-2. This accounts for the minor incremental changes shown in the attached table.



ExhibitA_FEIR.EIS -
Project Description Ta

[Exhibit A attached]

ED10-SDGE 04/30/2015 Consolidated Response
A. 12-10-009 Cleveland National Forest (CNF) Power Line Replacement Projects PTC
ED Data Request 10 Dated February 27, 2015

Question 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.

Response to Q2:

SDG&E has reviewed the Project Description in the Draft EIR/EIS. Aside from updates to data included in the Project Description as shown in the Exhibit A tables, SDG&E has not identified the need for additional updates to the Project Description based on the updated dataset provided in response to CPUC Data Request #9.

ED10-SDGE 04/30/2015 Consolidated Response
A. 12-10-009 Cleveland National Forest (CNF) Power Line Replacement Projects PTC
ED Data Request 10 Dated February 27, 2015

Question 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).

Response to Q3:

SDG&E has updated the tables provided in Exhibit B to include the design changes that have occurred since the April 2013 submission of the Revised Plan of Development. Available information requested for those areas shown in Exhibit C, excepting Locations #1 and #4 which have since been removed from the design, is provided in the updated Proposed Projects GIS database which has been included as a separate file with this response.



ExhibitB_FEIR.EIS -
Biological Resources *[Exhibit B attached]*

ED10-SDGE 04/30/2015 Consolidated Response
A. 12-10-009 Cleveland National Forest (CNF) Power Line Replacement Projects PTC
ED Data Request 10 Dated February 27, 2015

Question 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.

Response to Q4:

All locations included in Exhibit C have been included in the updated dataset provided as a separate attachment to this response. Please note that two areas identified in Exhibit C, Locations #1 and #4, have since been removed from the design. Additionally, all design changes have been included in the updated map sets for TLs 625, 626, and 629 provided as separate attachments to this response. [*Links to separate Exhibit C attachments provided below*]

[\[CNF_TL625Mapbook_04-29-15\]](#)

[\[CNF_TL626Mapbook_04-29-15\]](#)

[\[CNF_TL629Mapbook_04-29-15\]](#)

ED10-SDGE 04/30/2015 Consolidated Response
A. 12-10-009 Cleveland National Forest (CNF) Power Line Replacement Projects PTC
ED Data Request 10 Dated February 27, 2015

Question 5:

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

Response to Q5:

SDG&E has updated the tables provided in Exhibit D to include the design changes that have occurred since the April 2013 submission of the Revised Plan of Development.



ExhibitD_FEIR.EIS -
Cultural Resources Ta ***[Exhibit D attached]***

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ATTACHMENTS

Exhibit A, Exhibit B, and Exhibit D

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	
TL682: Existing 20.2-mile 69 kV power line from Rincon Substation to Warner Substation. Reconstructed TL682 would remain 20.2 miles.	1.3 miles	0.2	La Jolla Indian Reservation 3.1 Yuima Indian Reservation 0.2	—	County of San Diego 2.4 Water District 6.6	6.4	<ul style="list-style-type: none"> • Replace existing wood poles (40–90 feet in height) with 253 weathered steel poles (max height 110 feet) • 1.1 miles of existing access roads within the CNF would be maintained. •
TL626: Existing 18.8-mile 69 kV power line from Santa Ysabel Substation to Descanso Substation. Reconstructed TL626 would remain 18.8 miles.	7.9 miles	--	—	—	County of San Diego 0.6	10.3	<ul style="list-style-type: none"> • Replace existing wood poles (40–90 feet in height)with 279 weathered steel poles (max height 110 feet) • 9.8 miles of existing access roads within the CNF would be maintained • Boulder Creek crossing eliminated and turnarounds installed.

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	
TL625: 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.	6.3 miles	0.1	—	0.1	City of San Diego 1.8 County of San Diego 0.8 Water District 2.9	10.5	<ul style="list-style-type: none"> • Replace existing wood poles (40–90 feet in height) with 273 weathered steel poles (max height 125 feet) • Convert Loveland Substation to Barrett Tap segment from single-circuit to double-circuit • 5.5 miles of existing access roads within the CNF would be maintained. •
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 will be 30.1 miles.	9.1 miles	<0.1	Campo Indian Reservation 0.5 (includes 0.1 mile of undergrounding into Crestwood Substation)	0.7	County of San Diego 4.8 School District 0.1	15.0	<ul style="list-style-type: none"> • Replace existing wood poles (40–90 feet in height) with 440 weathered steel poles (max height 130 feet) • Convert Cameron Tap to Cameron Substation from single-circuit to double-circuit • Underground 0.1 mile segment into Crestwood Substation • 5.0 miles of existing access roads within the CNF would be maintained. •

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	
TL6923: Existing 13.4-mile 69 kV power line from Barrett Substation to Cameron Substation. Reconstructed TL6923 would remain 13.4 miles.	2.4 miles	—	—	3.4	City of San Diego 0.3 County of San Diego <0.1	7.4	<ul style="list-style-type: none"> • Replace existing wood poles (40–90 feet in height) with 128 weathered steel poles (max height 110 feet) • 3.4 miles of existing access roads within the CNF would be maintained. •
<i>Subtotal: 105.0 miles of 69 kV power line replacement</i>	<i>26.9 miles</i>	<i>10.4</i>	<i>3.8</i>	<i>4.2</i>	<i>20.0</i>	<i>49.5</i>	<ul style="list-style-type: none"> • Replace existing wood poles with 1,392 weathered steel poles • Convert (2) segments (5.7) miles from single-circuit to double-circuit • Underground 0.1 mile of TL629 into Crestwood Substation • Maintain 24.7 miles of existing access roads within the CNF. •
C79: Existing 2.2 miles overhead 12 kV circuit from TL626 to Cuyamaca Peak. Replace with new 2.8-mile underground circuit.	Remove 1.8 miles	Remove 0.4 Underground 2.8	—	—	—	—	<ul style="list-style-type: none"> • Remove existing 2.2 miles overhead circuit (64 existing wood poles) and replace with new 2.8-mile underground circuit • Remove 4.2 miles of existing access roads. No new access proposed.

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	
C78: Existing 12 kV circuit runs 1.8 miles east from Viejas Indian Reservation. Reconstruction of C78 will be 2.1 miles.	Remove 1.4 miles Reconductor 1.8 miles	—	Reconductor 0.1 (Viejas Indian Reservation)	—	County of San Diego Reconductor 0.1	Remove <0.1 Reconductor 0.1	<ul style="list-style-type: none"> • Replace existing wood poles (33–47 feet in height) with weathered steel poles (max height 52 feet) • Overhead relocation along Viejas Grade Road • 0.1 mile of existing access roads would be maintained.
C157: Existing 3.5-mile 12 kV circuit from Sky Valley Road to Sky Valley Ranch	Reconductor 1.7 miles	—	—	—	City of San Diego Reconductor 1.2	Reconductor 0.6	<ul style="list-style-type: none"> • Replace wood poles (30–43 feet in height) with 57 weathered steel poles (max height 47.5 feet) • 1.1 miles of existing access roads would be maintained.
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"> • Replace wood poles (24–49 feet in height) with 129 weathered steel poles (max height 61 feet) • 5.9 miles of existing access roads would be maintained; 0.6 mile will be removed.

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 25.4 miles.	Remove 5.8 miles Underground 4.2 miles Reconductor 11.9 miles	--	—	—	County of San Diego remove <0.1 Underground 4.1 Reconductor 0.5	Remove 1.4 Reconductor 4.6	<ul style="list-style-type: none"> • Remove 7.2 miles of existing overhead 12 kV circuit from Glenciff Substation north to Sunrise Highway • Replace with new 8.4-mile underground segment along Sunrise Highway • Replace remaining wood poles (19–52 feet in height) with 440 weathered steel poles (max height 62 feet) • Remove 4.0 miles of existing access roads • 4.7 miles of existing access roads would be maintained.
C449: Existing 6.7-mile circuit runs from Old Highway 80 south and southwest. Reconstruction of C449 would be 1.5 miles.	Remove 5.3 miles Underground 0.4 miles Reconductor 1.3 miles	—	—	—	City of San Diego remove 0.5 Reconductor 0.4 School District Underground 0.1	Remove 0.2 Underground 0.2 Reconductor 0.2	<ul style="list-style-type: none"> • Remove 6.1 miles of existing overhead 12 kV circuit and replace with 1.8-mile underground segment and 2.3 miles underbuilt along TL629 • Replace remaining wood poles (24–48 feet in height) with 41 weathered steel poles (max height 62 feet) • Remove 2.4 miles of existing access roads • 3.2 miles of existing access roads would be maintained.

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> 43.8 miles of 12 kV distribution circuit replacement	Underground 4.6 miles Reconductor 20.4 miles	New 2.8-mile underground and	Reconductor 0.1 mile	—	Underground 5.4 Reconductor 2.3	Underground 0.2 Reconductor 8.0	<ul style="list-style-type: none"> • Remove total of 16.4 miles of 12 kV overhead circuit • Replace with total of 13.0 miles of underground circuit • Replace existing wood poles with a total of 711 weathered steel poles • Remove 11.2 miles of access roads • Maintain 12 miles of access roads.
Total: 148.8 Miles of Power Line and Distribution Circuit Replacement	Underground 4.6 miles Reconductor 47.3 miles	0.9 Existing 2.8 New (underground)	3.9	—	Underground 5.5 Reconductor 22.4	Underground 0.2 Reconductor 57.5	<ul style="list-style-type: none"> • Replace existing wood poles with 2,102 weathered steel poles • Remove 16.4 miles of 12 kV overhead circuit • Replace with 13 miles of underground • Remove 11.2 miles of access roads • Maintain 42.9 miles of access roads

Source: SDG&E 2015.

Note that all mileages are approximately based on SDG&E engineering data, Forest Service-provided GIS layer depicting administrative boundary of the CNF, and October 2014 SanGIS parcel data. 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. 10 (SDG&E 2015) are used.

Table B-5
Underground Trenching Summary

Distribution Line	Approximate Length (Miles)			Approximate Width (Feet)	Approximate Footprint (Acres)			Approximate Number of Vaults		
	<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	20	20
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
Total	9.0	4.0	13.0	—	2.7	1.2	3.9	61	26	87

Source: SDG&E 2015.

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	20	166	186	Vegetation removal and minor grading may be required.	40-foot diameter	0.6	4.8	5.4
	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	2	31	33	Vegetation clearing may be required.	Varies	0.2	5.2	5.4
	Fly Yard	0	2	2	Vegetation clearing may be required.	Varies	0	4.9	4.9
	Guard Structure	14	56	70	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	4	4	Vegetation removal, minor grading, and gravel laydown may be required.	Varies	0.0	5.6	5.6
	Stringing Site	7	18	25	Vegetation clearing may be required.	Varies	0.6	2.2	2.8
		1		1			0.5		0.5
TL625	Direct-Bury Steel Pole Work Area	54	124	178	Vegetation removal and minor grading may be required.	40-foot diameter	1.6	3.6	5.2
	Self-Supported Steel Pole Work Area	27	72	99	Vegetation removal and minor grading may be required.	40-foot diameter	0.8	2.1	2.9
	Wood Pole Removal Area	7	10	17	Vegetation removal and minor grading may be required.	40-foot diameter	0.2	0.3	0.5

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	11	11	Vegetation removal, minor grading, and gravel laydown may be required.	Varies	0.0	10.0	10.0
Stringing Site	7	30	37	Vegetation clearing may be required.	Varies	0.5	5.4	5.9
Fly Yard	1	4	5	Vegetation clearing may be required.	Varies	0.3	7.4	7.7
Guard Structure	14	62	76	Vegetation clearing may be required.	3-foot diameter	<0.1	<0.1	<0.1
TL629 Direct-Bury Pole Work Area	91	192	283	Vegetation removal and minor grading may be required.	40-foot diameter	2.6	5.5	8.1
TL629 Self-Supported Pole Work Area	53	119	172	Vegetation removal and minor grading may be required.	40-foot diameter	1.5	3.4	4.9
TL629 Wood Pole Removal Area	6	15	21	Vegetation removal and minor grading may be required.	40-foot diameter	0.2	0.4	0.6
TL629 Staging Area	0	5	5	Vegetation removal, minor grading, and gravel laydown may be required.	Varies	0.0	9.5	9.5
TL629 Stringing Site	13	69	82	Vegetation clearing may be required.	Varies	2.1	13.1	15.2
TL629 Fly Yard	0	3	3	Vegetation clearing may be required.	Varies	0.0	1.2	1.2
TL629 Guard Structure	16	13	29	Vegetation clearing may be required.	3-foot diameter	<0.1	<0.1	<0.1
TL6923 Direct-Bury Steel Pole Work Area	22	54	76	Vegetation removal and minor grading may be required.	40-foot diameter	0.6	1.5	2.1
TL6923 Self-Supported Steel Pole Work Area	14	40	54	Vegetation removal and minor grading may be required.	40-foot diameter	0.4	1.2	1.6
TL6923 Wood Pole Removal Area	0	4	4	Vegetation removal may be required.	40-foot diameter	0	0.1	0.1
TL6923 Staging Area	0	3	3	Vegetation removal, minor grading, and gravel laydown may be required.	Varies	0	22.5	22.5
TL6923 Stringing Site	5	21	26	Vegetation clearing may be required.	Varies	0.5	2.1	2.6
TL6923 Guard Structure	0	4	4	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	47	17	64	Vegetation removal and minor grading may be required.	20-foot diameter	0.3	0.1	0.4
	Staging Area	1	6	7	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	33	11	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	1	3	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
	Fly Yard	3	0	3	Vegetation removal, minor grading, and gravel laydown may be required.	Varies	0.1	0	0.1
	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	324	116	440	Vegetation removal and minor grading may be required.	20-foot diameter	2.3	0.8	3.1
	Wood Pole Removal Area	82	17	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	29	12	41	Vegetation removal and minor grading may be required.	20-foot diameter	0.2	0.1	0.3
	Wood Pole Removal Area	83	14	97	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	23	7	30	Vegetation clearing may be required.	Varies	0.6	0	0.6
	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 2015

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 (square feet/acres)	Temporary Impact ¹ (square feet/acres)	Permanent Impact ² (square feet/acres)	Total Impact ³ (square feet/acres)
Vegetation Communities				
Chamise Chaparral	17,681,335 SF / 405.91 ac	232,048 SF / 5.33 ac	1,611 SF / 0.04 ac	233,659 SF / 5.36 ac
Diegan Coastal Sage Scrub	18,247,430 SF / 418.90 ac	157,052 SF / 3.61 ac	2,024 SF / 0.05 ac	159,076 SF / 3.65 ac
Freshwater Seep/Open Water	638,486 SF / 14.66 ac	3,255 SF / 0.07 ac	9 SF / < 0.01 ac	3,264 SF / 0.07 ac
Mixed Oak Woodland	23,944,877 SF / 549.70 ac	237,992 SF / 5.46 ac	2,213 SF / 0.05 ac	240,205 SF / 5.51 ac
Montane Forest	26,453,218 SF / 607.28 ac	145,847 SF / 3.35 ac	979 SF / 0.02 ac	146,826 SF / 3.37 ac
Montane Wet Meadow	4,221,945 SF / 96.92 ac	38,102 SF / 0.87 ac	203 SF / < 0.01 ac	38,305 SF / 0.88 ac
Native Grassland	5,385,386 SF / 123.63 ac	23,462 SF / 0.54 ac	356 SF / 0.01 ac	23,819 SF / 0.55 ac
Non-native Grassland ⁴	16,454,376 SF / 377.74 ac	964,680 SF / 22.15 ac	1,253 SF / 0.03 ac	965,933 SF / 22.17 ac
Oak Savanna	11,842,107 SF / 271.86 ac	146,293 SF / 3.36 ac	906 SF / 0.02 ac	147,198 SF / 3.38 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	100,180 SF / 2.30 ac	1,271 SF / 0.03 ac	101,451 SF / 2.33 ac
Southern Mixed Chaparral	101,951,081 SF / 2,340.47 ac	791,601 SF / 18.17 ac	6,217 SF / 0.14 ac	797,818 SF / 18.32 ac
Southern Riparian Forest	9,092,223 SF / 208.73 ac	65,653 SF / 1.51 ac	667 SF / 0.02 ac	66,321 SF / 1.52 ac
<i>Subtotal</i>	<i>246,9665,858 SF / 5,669.58 ac</i>	<i>2,906,164SF / 66.72 ac</i>	<i>17,710 SF / 0.41 ac</i>	<i>2,923,874 SF / 67.12 ac</i>
Land Cover Types				
Disturbed (Ruderal/Barren)	3,381,501 SF / 77.63 ac	702,672 SF / 16.13 ac	1,168 SF / 0.03 ac	703,840 SF / 16.16 ac
Pastureland/Cultivated Agriculture	11,240,905 SF / 258.06 ac	1,587,423 SF / 36.44 ac	526 SF / 0.01 ac	1,587,949 SF / 36.45 ac
Urban and Developed/Ornamental Landscaping	15,927,426 SF / 365.64 ac	779,842 SF / 17.90 ac	3,244 SF / 0.07 ac	783,085 SF / 17.98 ac
<i>Subtotal</i>	<i>30,549,832SF / 701.33 ac</i>	<i>3,069,936 SF / 70.48 ac</i>	<i>4,938 SF / 0.11 ac</i>	<i>3,074,874 SF / 70.59 ac</i>
Grand Total	277,515,690 SF / 6,212.86 ac	5,976,100 SF / 137.19 ac	22,648 SF / 0.52 ac	5,998,749 SF / 137.71 ac

Sources: SDG&E 2015.

Notes:

¹ 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).

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

³ Totals may not add due to rounding.

Non-native Grassland includes 9.81 acres of Pastureland/Cultivated Agriculture that are currently functioning as non-native grassland.

Table D.4-6
Power Line Replacement Projects
Temporary and Permanent Vegetation Impacts by TL/Circuit¹

Vegetation Community by TL/Circuit	Permanent Impact ² (Acres)			Temporary Impact ³ (Acres)					Total Impact ⁴ (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	-	-	-	0.53	-	0.54	1.08
Disturbed (Ruderal/Barren)	-	-	-	-	-	-	-	1.86	1.86
Mixed Oak Woodland	-	0.02	-	-	0.06	1.53	-	0.62	2.23
Non-native Grassland	-	0.02	-	-	0.03	2.47	-	6.95	9.46
Oak Savanna	-	<0.01	-	-	-	0.03	-	-	0.03
Pastureland/Cultivated Agriculture	-	0.01	-	-	-	0.65	-	2.03	2.69
Southern Mixed Chaparral	-	0.01	-	-	-	1.41	-	0.37	1.79
Southern Riparian Forest	-	<0.01	-	-	-	0.05	-	-	0.05
Urban and Developed/Ornamental Landscaping	-	< 0.01	-	-	-	0.50	-	0.70	1.20
<i>TL682 Total</i>	-	<i>0.07</i>	-	-	<i>0.09</i>	<i>7.17</i>	-	<i>13.06</i>	<i>20.39</i>
<i>TL626</i>									
Disturbed (Ruderal/Barren)	-	<0.01				0.08		4.52	4.61
Freshwater Seep/Open Water	-	-	-	-	0.03	< 0.01	-	-	0.03
Mixed Oak Woodland	-	0.01	-	-	-	0.91	-	0.27	1.18
Non-native Grassland	-	0.01	-	-	-	0.55	-	1.76 ⁵	2.31
Oak Savanna	-	0.01	-	-	-	0.98	-	0.29	1.28
Pastureland/Cultivated Agriculture								0.14	0.14
Southern Mixed Chaparral	-	0.04	-	-	-	4.01	-	<0.01	4.06

Table D.4-6
Power Line Replacement Projects
Temporary and Permanent Vegetation Impacts by TL/Circuit¹

Vegetation Community by TL/Circuit	Permanent Impact ² (Acres)			Temporary Impact ³ (Acres)					Total Impact ⁴ (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	
Southern Riparian Forest	-	0.01	-	-	-	0.71	-	-	0.72
Urban and Developed/Ornamental Landscaping	-	0.01	-	-	-	0.58	-	0.52	1.11
<i>TL626 Total</i>	-	0.07	-	-	0.03	7.84	-	7.50	15.44
<i>TL625</i>									
Chamise Chaparral	-	0.01	-	-	0.07	0.81	-	2.22	3.11
Diegan Coastal Sage Scrub	< 0.01	0.02	-	0.06	0.05	0.75	-	0.06	0.94
Disturbed (Ruderal/Barren)	-	< 0.01	-	-	0.02	0.15	-	4.94	5.11
Mixed Oak Woodland	<0.01	0.02	-	0.03	0.24	0.66	-	0.17	1.12
Native Grassland	-	< 0.01	-	-	0.03	0.05	-	-	0.08
Oak Savanna	-	< 0.01	-	-	-	0.02	-	-	0.03
Pastureland/Cultivated Agriculture	-	< 0.01	-	-	-	0.29	-	4.89	5.17
Southern Mixed Chaparral	-	0.03	-	-	0.04	3.59	-	0.97	4.63
Urban and Developed/Ornamental Landscaping	<0.01	0.01	-	0.03	-	1.24	-	3.19	4.47
<i>TL625 Total</i>	< 0.01	0.10	-	0.11	0.45	7.55	-	21.82	30.04
<i>TL629</i>									
Chamise Chaparral	-	0.02	-	-	-	1.32	-	0.15	1.50
Diegan Coastal Sage Scrub	<0.01	< 0.01	-	0.08	-	0.14	-	-	0.22
Disturbed (Ruderal/Barren)	-	0.02	-	-	0.01	1.33	-	0.30	1.65
Mixed Oak Woodland	<0.01	0.01	-	0.03	-	0.44	-	-	0.48
Native Grassland		<0.01				0.09			0.09
Non-native Grassland	<0.01	<0.01		0.06		0.22		4.30 ⁷	4.59
Oak Savanna		0.01			0.03	1.00		0.72	1.76

Table D.4-6
Power Line Replacement Projects
Temporary and Permanent Vegetation Impacts by TL/Circuit¹

Vegetation Community by TL/Circuit	Permanent Impact ² (Acres)			Temporary Impact ³ (Acres)					Total Impact ⁴ (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	
Pastureland/Cultivated Agriculture		<0.01				0.39		5.46	5.85
Semi-Desert Chaparral	<0.01	0.03		0.05	0.25	1.55		0.32	2.21
Southern Mixed Chaparral	<0.01	0.02		0.17	0.20	2.88		0.30	3.58
Southern Riparian Forest		0.01			0.06	0.60			0.66
Urban and Developed/Ornamental Landscaping	<0.01	0.04		0.03	0.05	2.41		7.07	9.60
<i>TL629 Total</i>	<i>0.01</i>	<i>0.16</i>	<i>-</i>	<i>0.42</i>	<i>0.60</i>	<i>12.37</i>	<i>-</i>	<i>18.63</i>	<i>32.19</i>
<i>TL6923</i>									
Chamise Chaparral		<0.01				0.55			0.55
Diegan Coastal Sage Scrub		0.02			0.11	0.97		0.08	1.19
Disturbed (Ruderal/Barren)								0.27	0.27
Freshwater Seep/Open Water		<0.01				0.03			0.03
Mixed Oak Woodland		<0.01				0.03			0.03
Native Grassland		<0.01				0.18			0.18
Non-native Grassland		<0.01				0.15			0.15
Oak Savanna		<0.01				0.05			0.05
Pastureland/Cultivated Agriculture								22.27	22.27
Southern Mixed Chaparral		0.02				1.48		<0.01	1.50
Urban and Developed/Ornamental Landscaping		<0.01			<0.01	0.18		0.76	0.94
<i>TL6923 Total</i>	<i>-</i>	<i>0.05</i>	<i>-</i>	<i>-</i>	<i>0.11</i>	<i>3.61</i>	<i>-</i>	<i>23.38</i>	<i>27.17</i>
<i>C79</i>									
Disturbed (Ruderal/Barren)					<0.01			0.35	0.35

Table D.4-6
Power Line Replacement Projects
Temporary and Permanent Vegetation Impacts by TL/Circuit¹

Vegetation Community by TL/Circuit	Permanent Impact ² (Acres)			Temporary Impact ³ (Acres)					Total Impact ⁴ (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	
Montane Forest	-	-	-	-	0.02	-	-	0.04	0.06
Southern Mixed Chaparral	-	-	-	-	0.44	-	-	0.36	0.80
Urban and Developed/Ornamental Landscaping								0.10	0.10
<i>C79 Total</i>	-	-	-	-	0.46	-	-	0.84	1.30
<i>C78</i>									
Diegan Coastal Sage Scrub	<0.01	<0.01	<0.01	0.02	0.08	0.04	0.01	0.01	0.15
Disturbed (Ruderal/Barren)	<0.01	<0.01	<0.01	0.07	0.03	0.01	0.14	0.04	0.29
Native Grassland					0.01				0.01
Southern Mixed Chaparral	<0.01	<0.01		0.02	0.03	0.01	0.01		0.06
Urban and Developed/Ornamental Landscaping								0.01	0.01
<i>C78 Total</i>	<0.01	<0.01	<0.01	0.11	0.15	0.05	0.15	0.05	0.53
<i>C157</i>									
Mixed Oak Woodland		<0.01				0.02			0.02
Native Grassland	<0.01	<0.01		0.01		0.09		0.06	0.16
Non-native Grassland	<0.01	<0.01		0.01		0.01		0.18	0.19
Semi-Desert Chaparral	<0.01	<0.01		0.02		0.06			0.09
Southern Mixed Chaparral	<0.01	<0.01		0.01		0.16		0.22	0.39
Southern Riparian Forest		<0.01				0.02			0.02
<i>C157 Total</i>	< 0.01	< 0.01	-	0.05	-	0.36	-	0.45	0.86
<i>C442</i>									
Diegan Coastal Sage Scrub		<0.01				0.03		0.03	0.06

Table D.4-6
Power Line Replacement Projects
Temporary and Permanent Vegetation Impacts by TL/Circuit¹

Vegetation Community by TL/Circuit	Permanent Impact ² (Acres)			Temporary Impact ³ (Acres)					Total Impact ⁴ (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	
Disturbed (Ruderal/Barren)								0.40	0.40
Freshwater Seep/Open Water		<0.01				0.01			0.01
Mixed Oak Woodland	<0.01	<0.01		0.01		0.16		0.05	0.21
Montane Forest		<0.01				0.15		0.06	0.21
Southern Mixed Chaparral	<0.01	<0.01		0.06		0.43		0.07	0.56
Urban and Developed/Ornamental Landscaping		<0.01				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>0.60</i>	<i>1.46</i>
<i>C440</i>									
Chamise Chaparral		<0.01			0.10	0.06		0.04	0.20
Diegan Coastal Sage Scrub		<0.01				0.01			0.01
Disturbed (Ruderal/Barren)	<0.01	<0.01		0.01	0.05	0.03		1.18	1.26
Mixed Oak Woodland					0.01				0.01
Montane Forest	<0.01	0.02		0.15	0.19	1.91		0.83	3.10
Montane Wet Meadow	<0.01	<0.01		0.09	0.04	0.38		0.37	0.88
Native Grassland		<0.01				0.01			0.01
Non-native Grassland	<0.01	<0.01		0.01		0.06		0.01	0.08
Oak Savanna		<0.01				0.01			0.01
Pastureland/Cultivated Agriculture	<0.01	<0.01		0.03	0.04	0.11		0.15	0.33
Southern Mixed Chaparral		<0.01			0.26	0.04		0.12	0.43
Southern Riparian Forest					0.01				0.01
Urban and Developed/Ornamental Landscaping		<0.01				0.22		0.14	0.36

Table D.4-6
Power Line Replacement Projects
Temporary and Permanent Vegetation Impacts by TL/Circuit¹

Vegetation Community by TL/Circuit	Permanent Impact ² (Acres)			Temporary Impact ³ (Acres)					Total Impact ⁴ (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>C440 Total</i>	< 0.01	0.03	-	0.28	0.71	2.84	-	2.84	6.71
<i>C449</i>									
Disturbed (Ruderal/Barren)		<0.01	<0.01		0.02	0.01	0.03	0.29	0.35
Mixed Oak Woodland		<0.01	<0.01		0.12	0.01	0.01	0.10	0.24
Non-native Grassland					0.01				0.01
Oak Savanna					0.16			0.07	0.23
Semi-Desert Chaparral					0.01			0.02	0.03
Southern Mixed Chaparral	<0.01	<0.01	<0.01	0.02	0.32	0.05	0.08	0.04	0.52
Southern Riparian Forest	<0.01	<0.01		0.01		0.03		0.03	0.06
Urban and Developed/Ornamental Landscaping	<0.01	<0.01	<0.01	0.01	0.05	0.00	0.04	0.08	0.18
<i>C449 Total</i>	< 0.01	< 0.01	< 0.01	0.04	0.69	0.11	0.15	0.64	1.62
Grand Total	0.01	0.50	< 0.01	1.08	3.30	42.69	0.30	89.83	137.71

Sources: 2015.

Notes:

¹ Impacts < 0.01 acre signify a minute impact to a given vegetation community.

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

³ 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

⁴ Totals may not add due to rounding.

Includes 0.6 acre of Pastureland/Cultivated Agriculture currently functioning as non-native grassland.⁶

Includes 5.38 acres of Pastureland/Cultivated Agriculture currently functioning as non-native grassland.

⁷ Includes 3.83 acres of Pastureland/Cultivated Agriculture currently functioning as non-native grassland.

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) ¹
<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	10.64	10.66
<i>TL682 Total</i>	<i>0.02</i>	<i>10.66</i>	<i>10.68</i>
<i>TL626</i>			
Riparian/Wetland Habitat and Transition Zone within FCA	< 0.01	0.28	0.29
RMS 2 - Land managed with Ecological Protection	-	0.11	0.11
RMS 3 - Land managed as Open Space	0.03	3.53	3.56
<i>TL626 Total</i>	<i>0.03</i>	<i>3.93</i>	<i>3.95</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	0.04	0.04
RMS 1 - Highest Level of Ecological Protection	0.01	0.35	0.35
RMS 2 - Land managed with Ecological Protection	< 0.01	0.17	0.17
RMS 3 - Land managed as Open Space	0.01	1.34	1.35
<i>TL625 Total</i>	<i>0.03</i>	<i>2.18</i>	<i>2.20</i>
<i>TL629</i>			
Riparian/Wetland Habitat and Transition Zone outside of FCA	< 0.01	0.38	0.38
Riparian/Wetland Habitat and Transition Zone within FCA	0.01	0.89	0.90
RMS 3 - Land managed as Open Space	0.03	5.12	5.15
<i>TL629 Total</i>	<i>0.05</i>	<i>6.38</i>	<i>6.43</i>
<i>TL6923</i>			
Riparian/Wetland Habitat and Transition Zone within FCA	< 0.01	0.05	0.05
	-		
RMS 2 - Land managed with Ecological Protection	< 0.01	0.27	0.28
RMS 3 - Land managed as Open Space	0.03	3.10	3.13
<i>TL6923 Total</i>	<i>0.03</i>	<i>3.43</i>	<i>3.46</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) ¹
<i>C79</i>			
RMS 1 - Highest Level of Ecological Protection	-	0.51	0.51
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>	-	1.19	1.19
<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	0.37	0.37
<i>C442 Total</i>	< 0.01	0.43	0.43
<i>C440</i>			
RMS 3 - Land managed as Open Space	< 0.01	0.60	0.60
<i>C440 Total</i>	< 0.01	0.60	0.60
<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	0.76	0.76
<i>C449 Total</i>	< 0.01	0.80	0.80
<i>MSCP East County Total</i>	0.15	30.21	30.36
<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) ¹
<i>TL682/MSCP North County Total</i>	< 0.01	<i>0.09</i>	<i>0.09</i>
Grand Total	0.15	30.30	30.45

Source: County of San Diego Planning & Development Services. 2014; SDG&E 2015

Notes:

¹ 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 ¹ (Acres)	Permanent Impact ² (Acres)	Total Impacts (Acres) ^{3, 4}
TL682	0.4	< 0.1	0.4
TL626	0.4	0	0.4
TL625	0.1	0	0.1
TL629	2.8	0	2.8
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	1.0	0	1.0
Total	7.2	< 0.1	7.3

Source: SDG&E 2015.

Notes:

- ¹ 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).
- ² Permanent construction impacts involve the following: direct bury and micropile (for a detailed description see Section B, Project Description).
- ³ Impacts to jurisdictional resources are estimates based on current SDG&E proposed project design and information collected to date.
- ⁴ 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 Waters¹ and Wetland Resources

Project Components (listed from North-South) Feature Type	Temporary Impact ^{2,3} (Acres)	Permanent Impact ^{2,3} (Acres)	Total Impact ^{2,3} (Acres)
<i>TL682</i>			
Ephemeral	<0.01 ac	-	<0.01 ac
Intermittent	<0.01 ac	-	<0.01 ac
Wetland Resources	0.26 ac	< 0.01 ac	0.26 ac
<i>TL682 Total</i>	<i>0.26 ac</i>	<i>< 0.01 ac</i>	<i>0.26 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>0.04 ac</i>	<i>< 0.01 ac</i>	<i>0.04 ac</i>
<i>TL625</i>			
Ephemeral	0.03 ac	-	0.03 ac
Meadow	0.02 ac	-	0.02 ac
Wetland Resources	1.41 ac	< 0.01 ac	1.41 ac
<i>TL625 Total</i>	<i>1.46 ac</i>	<i>< 0.01 ac</i>	<i>1.46 ac</i>
<i>TL629</i>			
Ephemeral	0.02 ac	< 0.01 ac	0.02 ac
Intermittent	< 0.01 ac	-	< 0.01 ac
Wetland Resources	0.01 ac	< 0.01 ac	0.01 ac
<i>TL629 Total</i>	<i>0.03 ac</i>	<i>< 0.01 ac</i>	<i>0.03 ac</i>
<i>TL6923</i>			
Ephemeral	< 0.01 ac	-	< 0.01 ac
Perennial	0.01 ac	-	0.01 ac
<i>TL6923 Total</i>	<i>0.01 ac</i>	<i>-</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 Waters¹ and Wetland Resources

Project Components (listed from North-South) Feature Type	Temporary Impact ^{2,3} (Acres)	Permanent Impact ^{2,3} (Acres)	Total Impact ^{2,3} (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
<i>Waters¹ Subtotal</i>	<i>0.09 ac</i>	<i>< 0.01 ac</i>	<i>0.09 ac</i>
<i>Wetlands Subtotal</i>	<i>1.72 ac</i>	<i>< 0.01 ac</i>	<i>1.72 ac</i>
Total	1.81 ac	< 0.01 ac	1.81 ac

Source: SDG&E 2013b.

Notes:

¹ Jurisdictional waters include ephemeral, intermittent, perennial, and meadow resources.

² 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 2015).

³ Totals may not add due to rounding.

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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

Project Components	Historic Built Resource (building, structure, object)	Description of Impact	Significance Determination
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, P-37-014421 (historical cabins)	Overhead lines at ten 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-37-014435, P-37-014444, P-37-014436 (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-	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
	37-014491, P-37-014410, P-37-014485, P-37-014487, P-37-14488, P-37-14411, P-37-014489, 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-5987, SDI-19747 (BW-108), SDI-19746 (BW-107), SDI-19744 (BW-105), SDI-19745 (BW-106), SDI-19743 (BW-104), SDI-19739 (BW-98), SDI-789, SDI-791, SDI-10449, SDI-9694, SDI-770, SDI-19749 (BW-97), SDI-19737 (BW-96), SDI-19738 (BW-101), SDI-19742 (BW-102), SDI-19741 (BW-100), SDI-19740 (BW-99), , SDI-19713, SDI-21058	Thirty-two (32) replacement pole locations were identified in or 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, SDI-16880, SDI-7110, SDI-16878, SDI-19358 (ASM-626-2), SDI-19371, SDI-19025, SDI-19353, SDI-19372 (BW-02), SDI-12950, SDI-5556, SDI-19355, SDI-4280, SDI-17877, SDI-19169, P-37-030457, SDI-17887, SDI-15659, SDI-12951, SDI-12957, SDI-5557, SDI-13060, SDI-20243, SDI-20241, P-37-018658, P-37-029760	Twenty-nine (29) replacement pole locations were identified in or 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-7929/SDI-10950, SDI-19354, SDI-5442, SDI-19362, SDI-19355, SDI-4276, SDI-4278, SDI-6650/W-904, SDI-5920, SDI-19026, SDI-12106/12107, SDI-12108, SDI-12110, SDI-12109, SDI-19356, SDI-19782	Thirty-one (31) replacement pole locations were identified in or 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.
TL629	SDI-16503, SDI-18119, SDI-8855, SDI-8302, SDI-8301, SDI-19351 (KM-15), SDI-19366 (ASM-6), SDI-19352 (ASM-5), SDI-17212, SDI-11976, SDI-19365 (KM-16), SDI-9392, P-37-030474 (EP-8), P-37-030472 (KM-21), P-37-030473 (KM-22), P-37-030475 (BW-01), SDI-8239, SDI-4787, SDI-80, SDI-5500, SDI-17281, SDI-17282, SDI-20146 (JH-01), SDI-20147 (JH-02), SDI-8951, SDI-19350, SDI-19306, SDI-20238, SDI-19966, SDI-19022, SDI-6777, P-37-029776, SDI-21262, SDI-21388, SDI-21389	Seventy (70) replacement pole locations were identified in or 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-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-	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.

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

Project Components	Archaeological Resource	Description of Impact	Significance Determination
	19813, SDI-16773, SDI-17095, SDI-17093/17096, SDI-19810,		
C79	SDI-9075, SDI-9081, SDI-9082, SDI-9086, SDI-17032, SDI-17041, SDI-20133 (TQ-S-1)	No pole removal 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 three 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	Four 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.
C442	SDI-12731, SDI-9713, SDI-20140 (ARG-01)	Four (4) replacement pole locations were identified in or near archaeological sites, 10 replacement pole locations have overhead facilities attached to historical structures, and two poles would occur within bedrock milling sites. 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-116/9150, SDI-5852, SDI-5865, SDI-8504, SDI-8528, SDI-8529, SDI-8533, SDI-20134 (TQ-01), SDI-11233, SDI-9402, SDI-9396, SDI-9395, SDI-20158 (ARG-20), SDI-20135 (TQ-02), SDI-8506, SDI-8507, SDI-20137 (TQ-04), SDI-10113, SDI-10114, SDI-10108, SDI-8534, SDI-8512, SDI-8496, SDI-20139 (TQ-06), SDI-8479, SDI-20138 (TQ-05), SDI-8493, SDI-8492/-15156, SDI-8550, SDI-17878, SDI-8483, SDI-9136, SDI-777/4804	Sixty-nine (69) replacement and new pole locations and the proposed underground conduit were identified in or near archaeological sites. 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-16231, SDI-20143 (ARG-8), SDI-20141 (ARG-5), SDI-7886, P-37-031709 (ARG-6), SDI-20142 (ARG-7), SDI-19022	Thirty-seven (37) 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