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March 9, 2015

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

Sent Via Sempra EDT

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 ED07-SDGE REVISED RESPONSE.

Dear Ms. Orsaba and Ms. Nitka:

Attached please find SDG&E's **REVISED** response to ED's Data Request 7 issued on November 14, 2014. This submittal includes SDG&E's updated text responses and visual simulations including responses to Rica Nitka's questions sent via email on Thursday, March 5, 2015.

Please note that this submittal supersedes SDG&E's previous responses associated to ED07 Data Request and also completes the utility's response to this request.

If you have any questions, please contact me either by phone: (858) 636-6876 or email: RGiles@semprautilities.com.

Sincerely,

Signed

Rebecca W. Giles
Regulatory Case Manager

Enclosures

cc: Allen Trial – SDG&E
Tim Knowd – SDG&E
Adrianna Kripke – SDG&E
Fred Bauermeister – Insignia

John Porteous – Dudek
Bob Hawkins – US Forest Service
Jeff Heys – US Forest Service
Kelli Taylor – US Forest Service

Central Files - SDG&E

SDGE 03/09/15 REVISED Response

A.12-10-009 Cleveland National Forest Power Line Replacement (CNF) Projects PTC

ED Data Request 7 Dated November 14, 2014 and

Rica Nitka's Email Follow up Questions Dated March 5, 2015

ED07-SDGE: Question 1

Question 1:

1.1 VISUAL SIMULATIONS - TL6931 AND TL629 (NEAR THE CRESTWOOD SUBSTATION)

The Campo Kumeyaay Nation requested that visual simulations be prepared to portray the anticipated visual change that would result from proposed wood-to-steel replacement of TL6931 and TL629 support poles and undergrounding of a short-segment of TL629 into the Crestwood Substation. In addition, based on public comment, viewpoints for visual simulations of the TL6931 alignment located on private lands are also requested.

Please prepare visual simulations that characterize the anticipated visual change associated with proposed upgrades to TL6931 and TL629 for use in the MSUP/PTC Power Line Replacement Projects Final EIR/EIS. Based on review of the photographs provided by SDG&E on October 13, 2014, the Forest Service, Bureau of Indian Affairs, California Public Utilities Commission, request the following photographs be used for visual simulations (photographs are identified by the photo file name submitted by SDG&E on October 13, 2014):

- Crestwood Sub Facing SE from Casino (2) .jpg (Crestwood Sub KOP Map # 3)
- TL 629 and 6931 facing NW from Old Hwy 80 (3) .jpg (Crestwood Sub KOP Map # 6)
- TL 629 Facing NW from BIA Rd 10.jpg (Crestwood Sub KOP Map # 13)
- TL 6931 Facing SE from Old Hwy 80.jpg. (Crestwood Sub KOP Map # 16)

Further, based on public comments, please prepare visual simulations from viewpoints of the TL6931 alignment located on private lands. The first location listed below is from the photographs submitted by SDG&E on October 13, 2014. The other two locations are based on review of SDG&E's TL6931 Fire Hardening/Wind Interconnect PEA (December 2012) representative viewpoint locations that are shown in PEA Figure 4.1-2.

- Blvd Sub Facing SE from Old Hwy 80.jpg (SDG&E October 13, 2014 photograph – Blvd. Sub KOP Map #1)
- Viewpoint location #4 (SR-94 looking west; December 2012 PEA)
- Viewpoint location #7 (Jewel Valley Road looking northeast; December 2012 PEA).

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SDG&E Response to Q1:

Please find the requested visual simulations attached.

Please note that the following information is what was used for preparing the visual simulations only—no engineering design for this requested alternative has yet been completed. The pole heights and sizes used for the simulations is based on existing available data for the affected power lines and distribution lines, pole types and heights/sizes proposed elsewhere as part of the Proposed Project, and preliminary desktop-level analysis conducted for this exercise. Final pole types, heights/sizes, and locations may vary from what is displayed in the visual simulations according to final engineering design and local conditions at the time of construction.

Data Requested	SDGE Response
Height of new angled poles in KOP 1	The modeled simulation heights of these angle poles are 65 and 92.5 feet
Height of riser pole in KOP 3	The modeled simulation height of this pole is 130 feet
Approximate height of poles in KOP 13 (we can assume non-riser poles in KOP 3 will be same height)	The modeled simulation heights of these poles ranges from 85 to 105 feet
Does new pole located east of SR-94 have adequate clearance from the existing lines? (TL6931 VP 4). New pole appears to be located “in front” of existing lines but then disappears behind roadside vegetation.	The two-dimensional image provided for TL6931 VP 4 does appear to place the new pole in a position where these lines would cross but, according to the modeled data used for the visual simulation, this appears to be a perspective issue only. If this alternative is selected, SDG&E will design adequate clearance and use appropriate pole heights and types to ensure no conflict exists between these lines.
Height of new pole (TL6931 VP 7)	The modeled simulation height of this pole is 101.5 feet
(New item) Height and circumference of the riser pole in KOP 16	The modeled simulation height of this pole is 130 feet; the modeled circumference used for this pole is approximately 15 feet (based on an approximately 5- foot pole diameter). The actual constructed diameter and circumference of this pole may vary, however, depending on local conditions and engineering requirements.

The attached visual simulations depict a slightly different configuration for TL6931 and TL629—according to the engineering design for the requested alternative—than what was included for the

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Proposed Project, which results in the discrepancy between the simulations and the Revised Plan of Development (POD) Attachment B-3. Based on the additional engineering design work conducted as part of evaluating the requested alternative, the preferred design for this alternative is to connect TL629 to Crestwood Substation via underground conductors using the shortest path across Old Highway 80 between the proposed riser pole for TL629 (to be located near existing pole Z44234) and Crestwood Substation to avoid potential construction constraints and environmental resource impacts that could potentially result during undergrounding activities of the route proposed in the Revised POD. The Proposed riser pole for TL6931, which will be located near existing pole Z489535 (shown in the foreground of KOP 6) would utilize the existing underground getaway from Crestwood Substation. If this alternative is selected, SDG&E currently anticipates that the existing underground conduits crossing under Old Highway 80 would be used for the new TL6931 cables to be installed. The proposed riser pole would be positioned to allow the existing conduits to be intercepted and connected to the proposed riser pole conduits.

KOP 3 Visual Simulation Questions

- a. **As the pole heights appear different in the simulation, please confirm the modeled heights of the two riser poles in KOP3 (proposed TL6931 and proposed TL629 on right side of photo).**

SDG&E Response: The modeled pole height for both riser poles shown in KOP 3 is 130 feet.

- b. **Please confirm these are riser poles.**

SDG&E Response: Both of these poles are modeled as riser poles, as shown in the simulation.

- c. **Please provide the .jpg of simulation without annotations.**

SDG&E Response: The .jpg file of this simulation without annotations is attached.



ED07 CNF Visual
Simulation KOP 3 (03-

[Image provided in attached KOP 3 simulation]

KOP 16 Visual Simulation Questions

- a. **Existing Photo (see image below): In order to know which TL the unlabeled pole is associated with in the photo, please label the pole located between the Existing TL629 pole and Existing TL6931 pole (marked in red below).**

SDG&E Response: The unlabeled pole shown in the existing conditions photograph for KOP 16 is not associated with either particular line, but contains a nonstandard tie switch to connect the two tie

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lines together. Because the lines entering Crestwood Substation at this location share an underground conduit package and due to the current configuration of the substation itself, this tie switch is necessary to allow the 69 kV power lines to stay online while the substation is offline for maintenance. The attached simulation includes the label "TL629/TL6931" for this pole.

- b. Visual Simulation (see second image below): depicts a single new TL6931 riser pole where these 3 existing poles are located. Please confirm if the third pole is removed and replaced with a single, larger steel pole associated with TL6931 or TL629.**

SDG&E Response: The tie switch pole will be removed along with the two existing riser poles at this location; one steel riser pole, which will be associated with TL6931, will be constructed in their place.



ED07 CNF SDGE
Simulations (03-09-15)

[Simulations are attached]



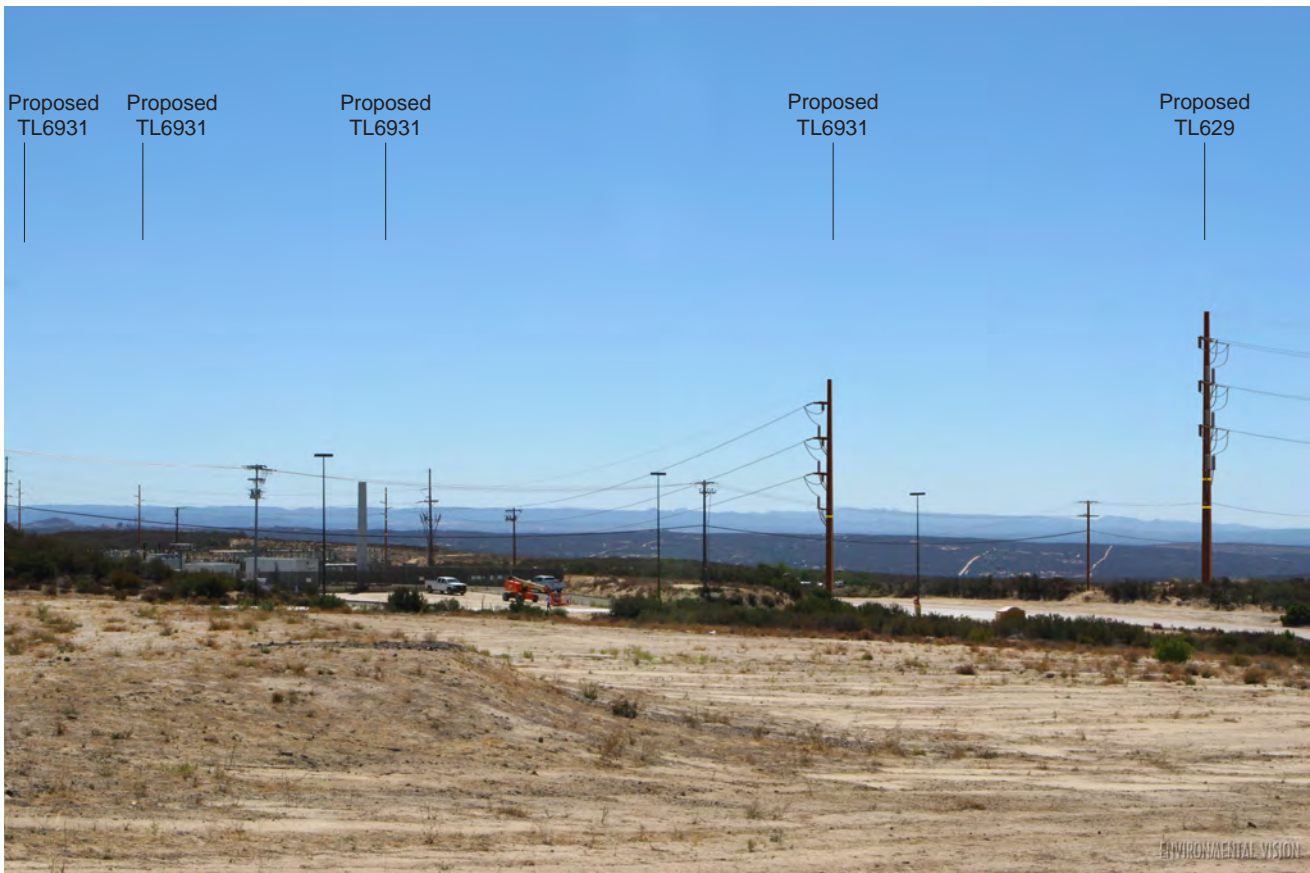
Existing view from Old Highway 80 at Boulevard Substation looking southeast (KOP 1)



Visual Simulation of the project (TL6931)



Existing view from Golden Acorn Casino (KOP 3)



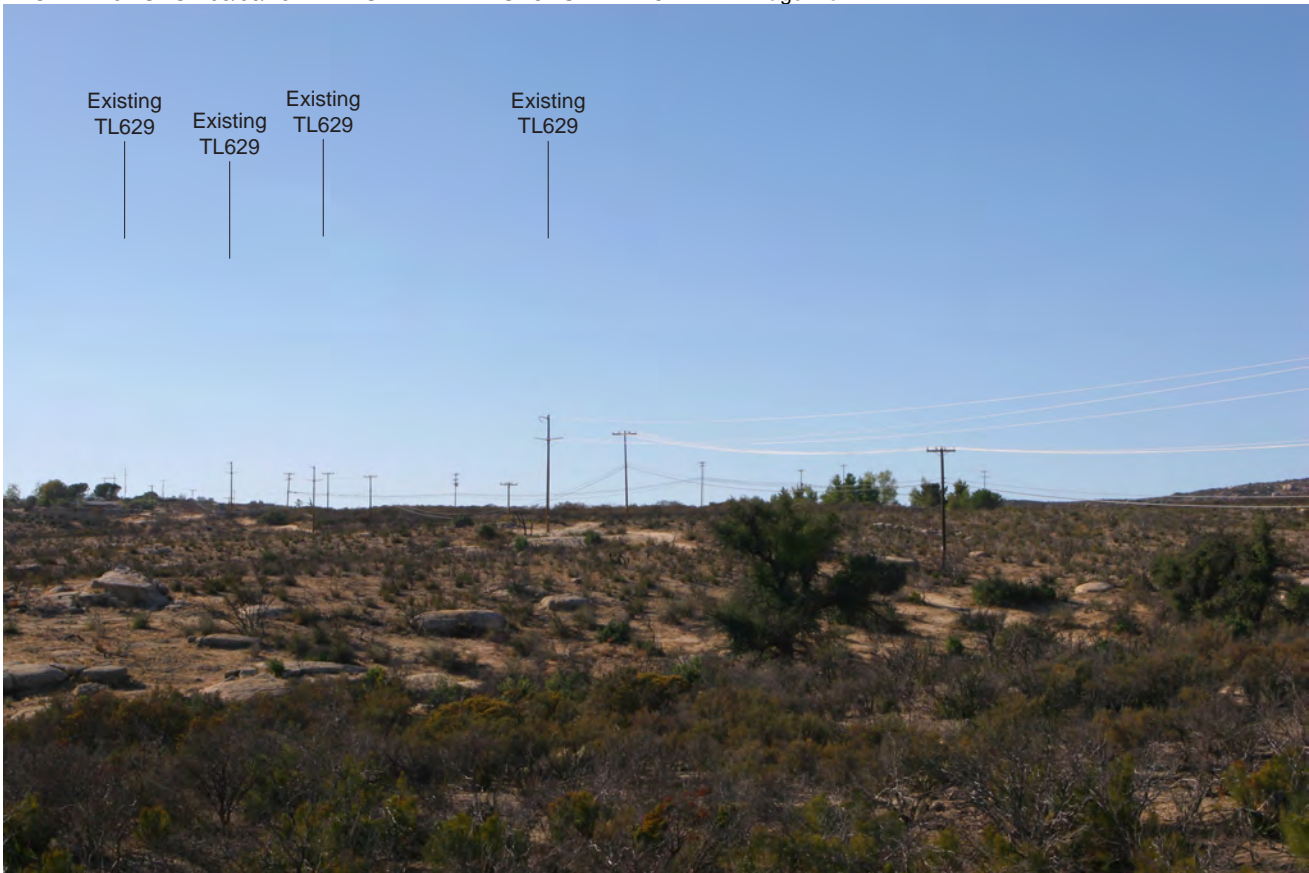
Visual Simulation of the project (TL6931 and TL629)



Existing view from Old Highway 80 at Crestwood Substation looking northwest (KOP 6)



Visual Simulation of the project (TL6931 and TL629)



Existing
TL629

Existing
TL629

Existing
TL629

Existing
TL629

Existing view from BIA Road 10 looking northwest (KOP 13)



Proposed
TL629

Proposed
TL629

Visual Simulation of the project looking northwest (TL629)



Existing view from Crestwood Substation looking southeast (KOP 16)



Visual Simulation of the project (TL6931)



Existing view from State Route 94 looking west (TL6931 VP 4)



Visual Simulation of the project (TL6931)



Existing view from Jewel Valley Road looking northeast (TL6931 VP 7)



Visual Simulation of the project (TL6931)