

This report provides a summary of environmental monitoring and compliance activities conducted by Burns and McDonnell (BMcD) staff and BMcD subconsultants for the San Diego Gas & Electric (SDG&E) Sunrise Powerlink Project during the above weekly time period.

Training

- SWEAP and PBS training was held for new Project personnel on Tuesday. Additional trainings were provided as requested.
- Flat-tailed horned lizard (FTHL) trainings were provided to any new crew members or monitors prior to construction per mitigation measure B-7b and in accordance with the FTHL Rangeland Management Strategy. During morning tailboard meetings, guidelines were provided about recognizing, protecting, and notification requirements for FTHL. FTHL information cards were made available to any crew members or monitors as needed.

Pre/Post Construction

- Avian biologists surveyed for nesting birds prior to work commencing in inactive areas. For sites off of USFS lands, the results of those surveys were submitted to the CPUC/BLM biologist for review and concurrence. For USFS lands, the results of those surveys were submitted to the USFS for review. For any active nests found, a buffer was established and no construction activities were permitted within the buffer area without consultation with the CPUC/BLM/USFS biologist. Active nests were mapped and monitored for success or failure and updated on the nest monitoring log.
- Post-construction impact surveys occurred at Sycamore Substation, EP256 to EP263A, EP263B to EP269, EP273 to EP281, EP282 to EP295, and EP296 to EP300.
- Additional signs and stakes were repaired as needed. Due to traffic and narrow access roads, broken stakes and run over signs were replaced. Maintenance (e.g., writing over faded signs, reinforcing signs/stakes in the ground, replacing zip ties, and adding additional signs) was performed as needed.

Construction

- Monitors were present during construction activities to ensure compliance with mitigation measures as identified in the Final EIR/EIS Mitigation Monitoring, Compliance, and Reporting Program. Archaeologists, Paleontologists, and Native American Monitors were present at sites where required as identified prior to construction activity and as approved in the NTPs.
- Project staff carpooled to site reviews, kick-off tailgates, and off-site meetings. Construction and traffic control crews were observed carpooling from yards to work areas.
- Deterrents were utilized to discourage bird nest building activities throughout the Project. Deterrents are determined depending upon the location and type of possible nesting areas and may include metallic flagging, compact discs, plastic owls, and the presence of biological monitors.

The table below demonstrates the construction progress to date:

OVERHEAD			
Agency	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	169 of 169	169 of 169	169 of 169
Bureau of Land Management	179 of 179	179 of 179	179 of 179
Miramar	14 of 14	14 of 14	14 of 14
U.S. Forest Service	76 of 76	76 of 76	76 of 76
UNDERGROUND			
Agency	Vaults Installed	Trenches Excavated & Backfilled	
Non-Federal	40 of 40	42 of 42	
SUBSTATION UPGRADES			
4 of 7 Completed			
SUNCREST SUBSTATION			
100 Percent Complete			

Overhead Construction

- Link 1
 - § Miscellaneous tower work at EP266-1.
 - § QA/QC at EP226-1, EP236-1, and EP254-3.
 - § Punch list work at EP263B-1 and EP291.
 - § BMP maintenance at EP170, EP205-2, EP207, EP209-1, EP210 to EP214, EP225-1, EP226-1, EP239-1, EP240, EP244, EP245-1, EP247, EP248-1, EP255-2 to EP258-3, EP264-4 to EP269-1, EP274-1, EP279-1, EP305-3, and EP311-1.
- Link 2
 - § During this reporting period, the PAL levels were as follows: Monday-D, Tuesday-C, Wednesday-Ev, Thursday-Ev, Friday-D, and Saturday-D. Work activities ended each day in accordance with the fire plan and the approved Ev letter as appropriate.

USFS Land

- § Final grade at EP105-2-E-B, EP112A-1-E to EP113-5-E, EP124/EP125 pull site, EP126-E to EP127-N, EP127, EP130-1, and EP131-N.



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- § Miscellaneous tower work at EP33-1, EP34-1, and EP37-2.
- § QA/QC at EP7-1, EP14-1, EP21-1, EP33-1, EP34-1, EP37-2, and EP118-2.
- § Splicing work at EP12-3, EP22-1, EP125, and EP130-1.
- § Punch list work at EP1-3, EP14-1, EP21-1, EP29-2, EP33-1, EP34-1, and EP37-2.
- § Cleanup at EP13-3 to EP15, EP17, EP19-1 to EP21-1, EP25-2, EP28-3, EP29-2, EP31-1, EP34-1, EP37-2, EP48, EP56-4, EP57-2, and EP108-2 to EP111-4.
- § BMP maintenance at EP19-1, EP21-1, EP23-2, EP33-1, EP111-4 to EP113-5, EP118-2, EP123-1, EP124/EP125 pull site, EP126-1, EP130-1, EP131, EP134-1, EP135, EP137, EP138-2, EP141, and EP144.
- § BMPs removed from EP2-3, EP3-3, EP5-2 to EP7-1, EP10-2, EP14-1, EP15, EP17, and EP29-1.
- § Restoration at EP3-N, EP112-3-E to EP113-5-E, EP127, EP130-1, EP131, and EP131 pull site.
- § Hydromulching at EP11-3, EP12-3, EP24-1, EP35-1, EP36-1, EP112-3, EP112A-1, and EP113-5.

BLM Land

- § Final grading at EP47-2-PS-N to EP50-N.
- § Miscellaneous tower work at EP99-2.
- § QA/QC at EP43-1, EP76-2, and EP99-2.
- § BMP installation/maintenance at EP36-1, EP39-1, EP40-2, EP42, EP42 pull site, EP43-1, EP47-2 pull site, EP48 to EP51-1, EP68, EP73, EP75-2, EP103-2, and EP103A.
- § Restoration at EP47-2 pull site, EP49, and EP50.
- § Hydromulching at EP47-2 and EP47-2 pull site.
- § Cleanup at EP47-2, EP47-2 pull site, EP47-2-PS-E, EP47-2-PS-N, EP53, EP80, EP102-3, EP102A-1, and EP144 to EP147.

Non-Federal Land

- § Gate installation at EP104-2 and EP105-2-E-B.
- § Final grading at EP54-1, EP67-E, and EP80.
- § Miscellaneous tower work at EP67.
- § QA/QC at EP27-1, EP67, EP76-2, EP90-1, EP106-3, and EP107-3.
- § Punch list work at EP1-3, EP27-1, and EP30-2.
- § Cleanup at EP22-1 and EP30-2.
- § BMP installation/maintenance at EP30-2, EP32-1, EP54-1, EP67, EP67 pull sites, EP78-E to EP79-E-C, EP79, EP90-1, EP93, EP104-2, and EP105-2.
- § BMP removal at EP25-2, EP31-1, EP52-1, and EP58-2-E to EP67-E.

Link 5

- During this reporting period, the PAL levels were as follows: Monday-D, Tuesday-C, Wednesday-Ev, Thursday-Ev, Friday-D, and Saturday-D. Work activities ended each day in accordance with the fire plan and the approved Ev letter as appropriate.

USFS Land

- § Miscellaneous tower work at CP69-2.
- § QA/QC at CP69-2, CP101-1, CP103-2, and CP105-1.
- § Punch list work at CP101-1, CP103-2, and CP105-1.
- § BMP maintenance at CP101-1.



BLM Land

- § QA/QC at CP58-1, CP61-1, CP62A, CP65-1, and CP68-1.
- § BMP maintenance at CP58-1, CP65-1, and CP68-1.
- § Punch list and cleanup at CP58-1, CP61-1, CP62A, CP65-1, and CP68-1.

Non-Federal Land

- § Gate work at CP49-1-PS-E.
- § QA/QC at CP16-1, CP18-1, CP21, CP22-1, CP24-1, CP26, CP28-1, CP29-1, CP32-2, CP33A, CP36-1 to CP43-1, CP47-2, CP49-1 to CP52, CP56-1, CP64-2, CP87-1, CP88-1, CP95-1, CP96-1, CP98-1, and CP107 to CP109.
- § Punch list work at CP16-1, CP18-1, CP20 to CP26, CP29-1 to CP33-2, CP36-1, CP39, CP40-2 to CP43-1, CP45-1, CP46-2 to CP48-2, CP51-2 to CP53-1, CP55, CP56-1 pull site, CP56-1, CP63-3, CP106-1, and CP107.
- § Cleanup at CP16-1 to CP26, CP23 pull site west, CP29-1 to CP33-2, CP36-1, CP39, CP40-2 to CP43-1, CP45-1, CP46-2 to CP48-2, CP51-2 to CP53-1, CP55, CP56-1-PS-E-B, CP56-1 pull site, CP56-1, CP63-3, CP106-1, and CP107.
- § BMP installation and maintenance at CP16-1 to CP19-1, CP22-1, CP25-2, CP26, CP27, CP31-2, CP32-2 to CP35-2, CP49-1, CP50-1, CP55, CP56-1, CP71 to CP75-1, and CP77 to CP81-1.
- § Hydromulching at CP16-1, CP17-1, CP20, and CP23.

Miramar

- § Final grade and restoration at CP6-1, CP6-1-E, CP7, CP10, and CP11-1.
- § Fence installation at CP10 and CP11-1.
- § QA/QC at CP13-2 and CP15-1.
- § Punch list work at CP15-1.
- § Cleanup at CP3 to CP15-1 and CP15-1 pull sites.
- § BMP installation and maintenance from CP2 to CP15-1.
- § Hydromulching at CP8-2 and CP12-1 to CP15-1.

69kV

- § No work was performed on the 69kV during this reporting period.

Underground Construction (Link 4)

- No work was performed on Link 4 during this reporting period.

Suncrest Substation Construction (Link 3)

- No work was performed on Link 3 during this reporting period.

Substation Upgrades

San Luis Rey:

- Bird sweeps/surveys ongoing to identify and deter nest building.
- SDG&E crew began removing and replacing circuit breakers in the 230kV yard.

Encina:

- Bird sweeps ongoing to identify and deter nest building.
- No Sunrise-related work. Planned work was cancelled as the power plant could not take the generating unit offline. Work will be rescheduled.

Scripps:

- No Sunrise-related work.

Pomerado:

- No Sunrise-related work.

Sycamore:

- Bird sweeps ongoing to identify and deter nest building.
- No Sunrise-related work.

IV:

- Bird sweeps/surveys are ongoing to identify and deter nest building.
- No Sunrise-related work.

Construction Yards

- Sycamore Yard – No activity.
- Helix Yard – Helicopter flights; BMP crews dropping off material.
- El Monte Yard – No activity.
- Alpine Yard – Hub for equipment/materials staging and weed wash station.
- Wilson Yard – No activity.
- SWAT Yard – Helicopter flights.
- Barrett Canyon Yard – No activity.
- Kreuzkamp Yard – Water truck fill ups.
- Bartlett Hauser Yard – Tailboard site for BMP and grading crews.
- Thing Valley Yard – Tailboard location, water supply, and start of restoration.
- McCain Valley Yard – Restored.
- Rough Acres Yard – Bundling steel.
- Jacumba Valley Ranch (JVR) Yard – Helicopter flights.

NOTE: In addition, all active yards typically have miscellaneous activities throughout the day such as materials delivery and staging, equipment mobilization/demobilization, water supply and dust control, and porta-potty maintenance.

Wildlife Reporting

The following listed or Species of Special Concern were found dead in Project construction limits during this reporting period:

- No listed or Species of Special Concern were found dead in Project construction limits during this reporting period.

The following listed or Species of Special Concern were relocated during construction activities this reporting period:

- Coast Horned Lizard (*Phrynosoma coronatum blainvillii*) – Three (3) coast horned lizards were relocated; one (1) from EP63, one (1) from EP62A-1, and one (1) from EP130/EP131 pull site.

Spills/Hazardous Waste

- No spills were reported during this reporting period.



Customer Complaints

- No customer complaints were received during this reporting period.

Non-Compliances

- No non-compliances were received during this reporting period.

Variations and TEWS

- No new variations and TEWS were approved during this reporting period.

Weather

- No rain events occurred during this reporting period.
- BMPs were installed or maintained as needed throughout Project areas. In accordance with the Construction General Permit (CGP), daily site BMP inspections, and photos, appropriate BMPs for stormwater and non-stormwater were implemented. Any sites requiring repairs began within 72 hours of identification.

Appendices

Flat-Tailed Horned Lizard Monitoring Report

Raven Control Monitoring Report

Flat Tailed Horned Lizard Counts - Week Ending 08/04/2012									
Date	Location	Observed		Injured		Relocated		Dead	
		Day	Night	Day	Night	Day	Night	Day	Night
	Post RCLMP*								
5/7/2012	AR btwn EP321 and EP320							1	
4/18/2012	AR btwn EP354-N and EP354	1							
2/23/2012	West side of AR to EP324	1							
11/1/2011	Dunaway CY					1			
10/14/2011	AR to EP356					1			
10/13/2011	AR to EP354							1	
9/20/2011	AR btwn EP357 and EP358							1	
9/19/2011	AR btwn EP352 and EP353	1							
9/12/2011	EP325					1			
9/9/2011	AR to EP363	1							
9/6/2011	AR to EP360/361					1			
9/6/2011	EP360					2			
9/6/2011	EP359					1			
9/3/2011	SWPL AR to EP324					1			
9/3/2011	SWPL AR to EP342					1			
9/3/2011	SWPL AR to EP345							1	
9/2/2011	EP352	1							
8/31/2011	EP324					1			
8/31/2011	SWPL AR to EP325-2					1			
8/30/2011	SWPL AR to EP346 and EP347					1			
8/29/2011	SWPL AR to EP353 and EP354							1	
8/29/2011	SWPL AR to EP324							1	
8/27/2011	EP349					1			
8/25/2011	EP360							1	
8/25/2011	Btwn EP320/321					1			
8/24/2011	SWPL AR near EP346	1							
8/23/2011	EP349					1			
8/21/2011	SWPL AR btwn EP344/345					1			
8/21/2011	SWPL AR to EP345							1	
8/20/2011	SWPL AR to IV Sub							1	
8/20/2011	SWPL AR btwn EP346/347					1			
8/19/2011	SWPL AR to EP339					1			
8/19/2011	EP355/356 Pullsite					1			
8/18/2011	EP347					1			
8/18/2011	SWPL AR to EP353							1	
8/12/2011	EP348/Dunaway CY AR					1			
8/11/2011	SWPL AR btwn EP357/358					1			
8/10/2011	EP347					1			
8/8/2011	SWPL AR to EP351					2			
8/6/2011	BLM AR near EP327							1	
8/1/2011	IV Substation Yard	1							
8/1/2011	W of Plaster City CY					1			
8/1/2011	AR to EP345					1			
7/30/2011	EP323					1			

Flat Tailed Horned Lizard Counts - Week Ending 08/04/2012									
Date	Location	Observed		Injured		Relocated		Dead	
7/28/2011	EP355/EP356 Pullsite					1			
7/27/2011	N of EP325, outside ROW	1							
7/26/2011	SWPL AR to EP344	1							
7/26/2011	EP347					1			
7/26/2011	AR to IV Sub					1			
7/25/2011	AR to IV Sub					1			
7/25/2011	AR to IV Sub					1			
7/25/2011	AR to IV Sub					1			
7/22/2011	AR to IV Sub					1			
7/21/2011	EP360					1			
7/21/2011	AR to EP326					1			
7/19/2011	Near EP346	1							
7/19/2011	EP353					1			
7/19/2011	AR to Dunaway CY					1			
7/18/2011	West of Plaster City CY					1			
7/17/2011	EP355					1			
7/15/2011	EP359	1							
7/15/2011	EP352	1							
7/15/2011	W of Plaster City CY	1							
7/14/2011	Spur Rd to EP355							1	
7/14/2011	Spur Rd to EP355							1	
7/14/2011	EP322	1							
7/13/2011	AR btwn EP355/354	1							
7/12/2011	EP344	1							
7/12/2011	SWPL AR btwn EP348/345							1	
TOTAL POST RCLMP		16	0	0	0	41	0	14	0
Prior to RCLMP		Day		Day		Day		Day	
7/11/2011	EP322-1					1			
7/11/2011	AR to EP352					2			
7/11/2011	AR to EP345					2			
7/10/2011	EP358					1			
7/10/2011	SWPL AR to EP354					2			
7/9/2011	AR to EP330	1							
7/8/2011	Spur Rd. to EP352	1							
7/7/2011	EP324					1			
7/7/2011	EP355					1			
7/6/2011	SWPL AR btwn EP362/363							1	
7/5/2011	EP354					1			
7/1/2011	AR to EP353	1							
6/30/2011	AR between EP310/311							1	
6/30/2011	EP358	1							
6/30/2011	EP360	1							
6/30/2011	AR to EP312							1	
6/30/2011	EP360							1	
6/27/2011	EP350					1			

Flat Tailed Horned Lizard Counts - Week Ending 08/04/2012					
Date	Location	Observed	Injured	Relocated	Dead
6/27/2011	Near EP362-1	2			
6/26/2011	IV Substation Yard			1	
6/25/2011	Near EP359	1			
6/24/2011	EP359			1	
6/23/2011	SWPL AR to EP360			2	
6/22/2011	SWPL AR to EP355			1	
6/20/2011	Near EP355/356	1			
6/20/2011	SWPL AR to EP359			1	
6/20/2011	Near EP353	2			
6/20/2011	AR between EP358/357				1
6/18/2011	AR to Dunaway CY				1
6/17/2011	Near EP335	1			
6/11/2011	SWPL AR btwn EP360/361	1			
6/7/2011	Near EP355	1			
6/7/2011	EP361			1	
6/7/2011	Near EP321				1
6/7/2011	AR between EP324/325				1
6/6/2011	SWPL AR btwn EP344/EP345			1	
6/3/2011	EP359	1			
6/3/2011	SWPL AR EP362			1	
6/2/2011	AR to EP358			1	
6/2/2011	AR east of EP325				1
6/1/2011	SWPL AR btwn EP320-1/322-1	1			
6/1/2011	SWPL AR btwn EP358/359	1			
6/1/2011	SWPL AR btwn EP319/EP320			1	
6/1/2011	SWPL AR to EP318			1	
5/31/2011	SWPL AR btwn EP359/EP360			1	
5/31/2011	SWPL AR to EP320			1	
5/31/2011	EP360				1
5/27/2011	EP357	1			
5/26/2011	SWPL AR to EP359			1	
5/25/2011	Spur Rd to EP321			1	
5/23/2011	EP323			1	
5/21/2011	EP324	1			
5/20/2011	IV Substation Yard			1	
5/20/2011	AR to EP362			1	
5/20/2011	AR btwn EP324/EP325			1	
5/20/2011	SWPL AR btwn EP326/EP327			1	
5/20/2011	IV Substation Yard			3	
5/19/2011	IV Substation Yard			5	
5/19/2011	EP317	1			
5/19/2011	EP324			1	
5/18/2011	IV Substation Yard			1	
5/18/2011	IV Substation Yard				1
5/17/2011	AR to IV Substation (EP363)				1

Flat Tailed Horned Lizard Counts - Week Ending 08/04/2012					
Date	Location	Observed	Injured	Relocated	Dead
5/16/2011	IV Substation Yard	1			
5/16/2011	IV Substation Yard			1	
5/13/2011	SWPL AR Near EP362-1	1			
5/12/2011	AR to EP355			1	
5/11/2011	AR to Dunaway CY			1	
5/11/2011	EP360	1			
5/11/2011	Dunaway CY	3			
5/11/2011	Dunaway CY			4	
5/10/2011	EP322	1			
5/10/2011	AR to Dunaway CY	1			
5/9/2011	EP344	1			
5/9/2011	Dunaway CY			4	
5/8/2011	EP334	1			
5/7/2011	EP322	1			
5/7/2011	Spur Road to EP344	1			
5/7/2011	Dunaway CY			1	
5/6/2011	AR to EP321-1	1			
5/5/2011	AR to EP321-1	1			
5/5/2011	Dunaway CY			2	
5/4/2011	AR btwn EP343/EP344			1	
5/3/2011	SWPL AR btwn EP320/EP321	1			
4/27/2011	AR to EP322	2			
4/26/2011	EP322	1			
4/25/2011	Plaster City CY	1			
4/23/2011	EP322-1	1			
4/22/2011	EP328-1	1			
4/18/2011	Plaster City CY			1	
4/14/2011	AR to IV Substation	1			
4/8/2011	EP324				1
4/5/2011	IV Sub AR	1			
4/2/2011	Dunaway CY	1			
TOTAL PRIOR TO RCLMP		44	0	59	13
YTD		60	0	100	27

*RCLMP refers to the Revised Construction Lighting Mitigation Plan. Nighttime construction began the night of July 11, 2011.



August 9, 2012

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**Subject: Sunrise Powerlink Transmission Line: Raven Control Plan
Report for Communal Roost Survey 1, July 16, 2012**

Introduction

Per the Raven Control Plan (RCP), SDG&E is required to conduct at least two surveys outside of raven nesting season (late June - January) for communal raven roosts in Flat-tailed Horned Lizard (*Phryosoma mcallii*; FTHL) habitat, including the designated management area (Yuha Desert Management Area), coordinate with the wildlife agencies to potentially discourage any communal roosting behaviors on SDG&E transmission line structures, and submit detailed findings of these surveys to the wildlife agencies and other parties as necessary or requested.

SDG&E contracted biologists conducted surveys for raven roosts and perches along the existing Southwestern Powerlink (SWPL) transmission line and newly installed Sunrise Powerlink (SRPL) structures between EP363 and EP281. Surveys were conducted along the existing SWPL access road and spur roads between MP-0 and MP-23. This report summarizes RCP roost surveys for said area on July 16, 2012.

Survey

The first of at least two non-breeding season roost surveys was conducted by FTHL-trained and qualified raptor biologist Ian Maunsell on July 16, 2012. The survey was conducted following protocols outlined in the RCP and Sunrise Powerlink documents and mitigation measures relevant for FTHL.

The survey began at approximately 1545 and was conducted over approximately 4.5 hours. The biologist slowly drove the existing SWPL access road and surveyed the existing SWPL, as well as the newly constructed SRPL transmission line. Using binoculars, the towers were searched for scavenging, flying, or roosting ravens, as well as signs of roosting such as heavy whitewashing on towers. When necessary spur roads associated with specific SWPL and SRPL structures were walked. Information collected for perching/roosting ravens included tower number, transmission line, specific location on the tower, behavior, and whether deterrents were present. Full visual coverage of all structures was obtained.

This survey was conducted beginning at the eastern end of the alignment and progressing west. Specifically, the sections of the line were surveyed in the following order: 1) Dunaway Road west to Interstate 8; 2) Dunaway Road east to Imperial Valley Substation; 3) Plaster City east to Interstate 8; 4) Plaster City west to Painted Gorge Road; and 5) Painted Gorge Road west to Interstate 8.

Results

All surveys were conducted along the existing SWPL access road between MP-0 and MP-23. No Common Ravens were observed during the survey.

No FTHL were observed.

Species observed

Desert Iguana (*Dipsosaurus dorsalis*), Great Basin Tiger Whiptail (*Aspidoscelis tigris tigris*), Mourning Dove (*Zenaida macroura*), and Lesser Nighthawk (*Chordeiles acutipennis*).

Follow-up and Monitoring

The next communal roosting survey during the 2012 season will be conducted in reverse order from this initial survey. Conducting the future survey(s) in this manner will provide complete coverage of all areas of the transmission lines during later portions of the evening when ravens would be expected to be more active.

Please let me know if you have any questions or concerns regarding this survey report. I can be reached at imaunsell@chambersgroupinc.com or 206-920-3266.

Respectfully,

CHAMBERS GROUP, INC.



Ian Maunsell
Staff Biologist/Project Manager