

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 continued for new Project personnel every Tuesday and Thursday. 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 Rangewide 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 and concurrence. 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.
- Staked, flagged, and refreshed work areas near CP15-1, CP43-1, CP55, CP56-1, CP71, CP72, CP75-1, CP87-1, CP88-1, CP95-1 to CP100, EP11 to EP12, EP26 to EP27, EP35 to EP36, EP22, EP337 to EP352, GS-DOD-1, GS-NF-1 to GS-NF-10, GS-USFS-2 to GS-USFS-4, GS-NF-14 to GS-NF-18, GS-NF-20 to GS-NF-27, GS-NF-33 to GS-NF-36, GS-BLM-1, GS-BLM-1A, GS-BLM-2, GS-NF-43, and GS-NF-44.
- Topographic surveys at Manzanita Road.
- 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. The ESA Team conducted the following activities during this reporting period:
 - Repaired, refreshed, replaced, and maintained the previously installed project signs and ESAs at CP1 to CP26, CP29-1 to CP31, CP44, CP55 to CP56, CP69 to CP88, CP90 to CP99, EP9, EP11 to EP12, EP26 to EP27, EP70 to EP73, EP89 to EP99, EP103-2 to EP105, EP170 to EP210, EP250 to EP252, EP254 to EP261, and EP 269.
 - Installed ESAs and project signs at EP202.

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. On average, the following number of monitors were on the Project throughout the week:

- 120 Biological monitors.
 - 3 Archaeological monitors.
 - 3 Native American monitors.
 - 2 Paleontological monitors.
 - 8 SWPPP monitors.
- 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.
 - Meetings were held between the avian teams and the construction teams to determine the best methods and locations for deterrents at various sites and yards.
 - The table below demonstrates the construction progress to date:

OVERHEAD			
Agency	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	131 of 169	86 of 169	46 of 169
Bureau of Land Management	156 of 179	116 of 179	95 of 179
Miramar	14 of 14	13 of 14	1 of 14
U.S. Forest Service	31 of 76	17 of 76	17 of 76
UNDERGROUND			
Agency	Vaults Installed	Trenches Excavated & Backfilled	
Non-Federal	40 of 40	42 of 42	
SUBSTATION UPGRADES			
3 of 7 Completed			
SUNCREST SUBSTATION			
90 Percent Complete			

Overhead Construction

- Link 1
 - Vegetation maintenance at EP221-2 and EP221A.
 - Driveway installation at EP226-1-PS-E.
 - Gate and fence installation at EP237-1-PS-A, EP243-N, EP244-N, and EP245-1-E.
 - Final grading at EP210, EP211, EP214, EP215 pull site, EP219-N, EP220-1 pull site, EP323-1 pull site, EP326 to EP329-1, and EP331 to EP341.
 - Micropile drilling at EP233-1, EP234-1, and EP254-3.
 - Grouting at EP144, EP146, and EP233-1.
 - Trimming at EP145, EP147, EP149-1, EP150, and EP151.
 - Pull test prep at EP144 and EP146.
 - Pull test at EP145, EP147, and EP151.
 - Micropile cap work at EP148-1 and EP152-2.
 - Conventional drilling at EP170.
 - Concrete pouring at EP170.
 - Removal of poured concrete at EP170.
 - Foundation anomalies repaired at EP203-3, EP204-3, EP209-1, EP211, EP213, EP215, EP244, EP331, EP337, EP338, and EP339.
 - Demobilization at/from EP186-1 and EP200-3 to EP203-3.
 - Tower assembly at/from EP174, EP175, EP176, EP178, EP179, EP180, EP181, EP183, EP186-1, EP187-2, EP199-3, EP221-2, EP226-1, EP227, EP239-1, and EP242.
 - QA/QC at EP186-1 and EP199-3.
 - Anchors set at EP224-1 and EP225-1 prior to approved variance, waiting for approval to continue.
 - Jumpers installed at EP215.
 - Insulator work at/from EP178 to EP187-2, EP198-3, EP200-3 to EP203-3, EP211, and EP244 to EP255-2.
 - Traveler work at/from EP178 to EP187-2, EP197-3, and EP199-3.
 - Traveler removal at EP201-3 and EP202-3.
 - Sagging, clipping in, and spacing from EP200-3 pull site to EP215 pull site.
 - Fiber training at EP215.
 - BMP installation/maintenance at/from:
 - EP146, EP148, EP149, EP150 to EP152-2, EP170 to EP226-1, EP226-1-PS-E, EP231A, EP238/EP239 guard structure, EP239-1 to EP254-3, EP313 to EP333, and GS-NF-31.
 - BMPs removed at EP322-1 and EP323-1 pull site.
 - Seeding at EP255-2 and EP314 pull sites.
 - Hydromulching at EP314 pull site.
 - Trained FTHL monitors and Visible Emission Evaluators (VEEs) were onsite as required.
- Link 2
 - During this reporting period, the PAL Levels were as follows: Tuesday-B, Wednesday-C, Thursday-Ev, Friday-C, and Saturday-A. Work activities ended each day in accordance with the fire plan and the approved Ev letter as appropriate.

USFS Land

- Conventional drilling at EP9-1.

- Micropile drilling at EP120-4, EP121-3, EP129, and EP142-1.
- Arroyo toad fencing installed from EP66-E to EP68-E.
- BMP maintenance at/from:
 - EP11-3-N, EP10-2 to EP64, EP113-5, EP124, EP128, EP130-1, and EP131.

BLM Land

- Site prep at EP63.
- Equipment demobilized from EP51-1 to EP54-1.
- Conventional drilling at EP51-1.
- Micropile cap work at EP72 and EP73-1.
- Arroyo toad fencing installed at/from EP66-E to EP68-E, EP67 pull site, EP75-2, and EP78A.
- Marker ball installation and dead-end work at EP45-1 and EP47-2.
- BMP maintenance at/from:
 - EP10-2 to EP64, EP95, and EP101-2 to EP103-2.

Non-Federal Land

- Site prep at EP62A-1 and EP64.
- Crews stripped forms and built the frame at the regen site adjacent to EP54-1.
- Equipment demobilized from EP51-1 to EP54-1.
- Test drilling at EP65-1.
- Foundation anomalies repaired at EP89-1.
- Arroyo toad fencing installed from EP66-E to EP68-E, EP67 pull site, and EP75-2 to EP78A.
- BMP maintenance at/from:
 - EP11-3-N, EP10-2 to EP64, EP78 pull site, EP83, EP89-1 pull site, EP91 pull site, EP106-3, EP107-3, GS-NF-22, GS-NF-25, and GS-NF-29.

- Link 5

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

USFS Land

- Tower assembly at CP99-2.
- Ground resistance testing at CP99-2.
- Sock line, hardline, and conductor were pulled from CP95/CP96 pull site to CP100-1.

BLM Land

- Micropile drilling at CP60.
- Micropile grouting at CP62A.
- Tower assembly at CP59.

Non-Federal Land

- Access road construction at CP49-1-PS-N.
- Gate installation at CP56-1-PS-E-A.
- Final grading at CP23 pull site north.

- Micropile drilling at CP28-1, CP32-2, CP44-1, CP49-1, and CP62-2.
- Grouting at CP76-1.
- Micropile pull testing at CP54-1 and CP55.
- Micropile cap work at/from CP50-1 to CP55, CP77, CP83, CP84, CP85-1, and CP86.
- Tower assembly at CP29-1, CP31-2, CP57, CP75-1, CP77, CP78-2, CP79-1, CP80-2, CP81-1, CP83, CP84, CP85-1, and CP86.
- Miscellaneous tower work (anti-climbing guards, bird deterrents, and/or signage) at/from CP15-1 to CP23, CP74-2, CP75-1, CP77, and CP84.
- Ground resistance testing at CP95/CP96 pull site and CP98-1.
- Sock line, hardline, and conductor were pulled from CP95/CP96 pull site to CP100-1.
- Spacers installed between CP14 and CP23.
- BMP installation and maintenance at:
 - CP16-1 to CP22-1, CP44 guard structure, CP48-2, CP49-1, CP56-1-PS-E-B, CP56-1 pull site, CP62-2, CP63-3, CP64-2, CP65-1 pull site, CP70-3, CP75-1 pull site, CP76-1 guard structure, CP83, CP95/CP96 pull site, and GS-NF-10.
- Hydromulching at CP95/CP96 pull site.

Miramar

- Guard structure installation at CP6-1.
- Tower assembly at CP9-1.
- Miscellaneous tower work (anti-climbing guards, bird deterrents, and/or signage) from CP15-1 to CP23.
- Ground rod installation at CP3, CP6-1, and CP7.
- Conductor strung from CP14 to CP15-1.
- Spacers installed between CP14 and CP23.
- Insulator work at CP14 and CP15-1.
- BMP installation and maintenance at
 - CP2 to CP12-1, CP14, CP15-1, and CP15-1 pull site north.

69kV

- Various foundation work (curing, cage installation, etc.) at TL6915 location 10.
- BMP installation at TL6924 locations 2 through 13.

Underground Construction (Link 4)

- Revitalization – Alpine Boulevard and Louise Drive to Rock Terrace.
- Fiber Work – V15L, V16L, V17L, V18L, V19L, and V20L.
- Grading – Bauer Bridge.
- Terminating – Slay property.
- Jointing – V1R, V1L, V2L, V4L, V10L, V11R, V18R, and V19R.
- Ground Bars – Loritz property.
- Testing – Caltrans Bore Site.
- Grouting – V3L and V6L.
- Raised Necking – V4L, V4R, V5L, and V5R.
- Paving – V5L, V5R, V6L, and V7L.

Suncrest Substation Construction (Link 3)

- Crushing class 2 base and select fill material.
- Trenching for conduit and ground grid in the southwest quadrant.

- Finish grading north and east of the transformers.
- Installing insulators and conductors in the 500kV yard.
- Oil filling activities on the transformers continued.
- Finish grading and hauling class 2 base to the capacitor area.
- BMP maintenance and repair along Bell Bluff Truck Trail.
- Street sweeping at northern sediment basin.
- Installing roof on maintenance shelter.
- Delivery of potted plants for landscaping.

Substation Upgrades

Encina:

- SDG&E crews performing wiring work on eastern bus inside the northern switchyard.
- Roel Construction, Alcorn, and Chula Vista Electric working on grounding grid and perimeter fence in the southern switchyard.

Imperial Valley:

- SDG&E transmission crew stringing additional wires just outside of substation.

Sycamore:

- SDG&E Kearny Mesa crews building disconnects and bus for 69kV upgrades in southern portion of substation.
- SDG&E crew wiring inside the control house.

Construction Yards

- Sycamore Yard – Weed wash station, water supply, dust suppression, helicopter operations, and staging for road, micropile, erection, QC, and assembly crews.
- Helix Yard – Helicopter operations, water staging, weed wash station, dust suppression, and staging for micropile, erection, assembly, BMP, and QC crews.
- El Monte Yard – Dust suppression, helicopter operations, and staging for erection, QC, and tower hooking crews.
- Alpine Yard – Equipment/materials staging, weed wash station, and staging for road, BMP, QC, and gate crews.
- Wilson Yard – Helicopter operations, dust suppression, water staging, and staging for assembly crew.
- SWAT Yard – Water staging, helicopter operations, dust suppression, weed wash station, and staging for conventional foundation, micropile, and BMP crews.
- Barrett Canyon Yard – Staging for conventional foundation and BMP crews.
- Kreutzkamp Yard – Helicopter operations, weed wash station, water staging, dust suppression, and staging for conventional foundation, micropile, and BMP crews.
- Bartlett-Hauser Yard – Water staging, helicopter operations, weed wash station, dust suppression, and staging for BMP crews.
- Thing Valley Yard – Helicopter operations, water staging, dust suppression, and staging for micropile and BMP crews.
- McCain Valley Yard – Helicopter operations, staging for assembly and micropile crews, dust suppression, and water staging.
- Rough Acres Yard – Helicopter operations, tower assembly, and staging for erection, road, TSAP, QC, assembly, micropile, conventional foundations, wire, and BMP crews.
- Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, water staging, dust suppression, tower assembly, and staging for micropile, QC, driveway, erection, and BMP crews.

- AER Yard – Restored.
- Fromm Yard – Shut down due to end of big horn sheep work window.
- S2 Yard – Demobilizing equipment and some crew staging.
- Plaster City Yard – Equipment storage and water staging.
- Dunaway Yard – Restored.
- Imperial Valley Yard – Restored.

Wildlife Reporting

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

- White Throated Swift (*Aeronautes saxatalis*) – One (1) white throated swift collided with a helicopter in the vicinity of EP34-1.

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

- Silvery Legless Lizard (*Anniella pulchra pulchra*) – Three (3) silvery legless lizards were relocated from EP129.

Spills/Hazardous Waste

- Minor leaks, drips, and releases on USFS lands were submitted to the USFS in a weekly HazMat log.
- No reportable spills occurred outside the USFS 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 variations or TEWS were approved during this reporting period.

Weather

- Rain event occurred on January 15, 2012, and January 17, 2012.
 - Post storm totals for January 15, 2012:
 - Encina Substation – 0.10 inches
 - Post storm totals for January 17, 2012:
 - EP123 to EP131, La Posta Road, and Thing Valley Yard – 0.20 inches
 - EP73 to EP79, EP83 to EP99, EP103 to EP105, EP112 to EP118, and Bartlett Yard – 0.10 inches
 - Suncrest Substation and Wilson Yard – 0.45 inches
 - Link 4 – 0.20 inches
 - CP107 to CP109 – 0.45 inches



Sunrise Powerlink Project
Weekly Report 70 – January 15, 2012 through January 21, 2012



- 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 will begin within 72 hours of identification.

Flat Tailed Horned Lizard Counts - Week Ending 01/21/2012

Date	Location	Observed		Injured		Relocated		Dead	
		Day	Night	Day	Night	Day	Night	Day	Night
	Post RCLMP*								
11/1/2011	Dunaway CY					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	
9/3/2011	SWPL AR to EP344 and EP345					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	
8/19/2011	SWPL AR to EP339					1			
8/20/2011	SWPL AR to IV Sub							1	
8/20/2011	SWPL AR btwn EP346/347					1			
8/19/2011	EP338/339 Pullsite					1			
8/19/2011	EP355/356 Pullsite					1			
8/18/2011	EP347					1			
8/18/2011	SWPL AR to EP353							1	
8/11/2011	SWPL AR by EP348					1			
8/11/2011	EP348/EP349 Pullsite					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	EP325					1			
8/1/2011	AR to EP345					1			
7/30/2011	EP322					1			
7/28/2011	EP355/EP356 Pullsite					1			
7/27/2011	Near EP316-2	1							

Flat Tailed Horned Lizard Counts - Week Ending 01/21/2012

Date	Location	Observed		Injured		Relocated		Dead	
		Day	Night	Day	Night	Day	Night	Day	Night
7/26/2011	SWPL AR to EP344	1							
	Post RCLMP*	Day	Night	Day	Night	Day	Night	Day	Night
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	SWPL AR to IV Sub	1							
7/19/2011	EP353					1			
7/19/2011	AR to Dunaway CY					1			
7/18/2011	EP318					1			
7/17/2011	EP355					1			
7/15/2011	EP359	1							
7/15/2011	EP352	1							
7/15/2011	EP350	1							
7/14/2011	Spur Rd to EP355							1	
7/14/2011	EP322	1							
7/13/2011	EP357	1							
7/12/2011	EP344	1							
7/12/2011	SWPL AR btwn EP348/345							1	
TOTAL POST RCLMP		12	0	0	0	43	0	12	
Prior to RCLMP		Day		Day		Day		Day	
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			
6/27/2011	SWPL AR to IV Substation	2							
6/26/2011	IV Substation					1			

Flat Tailed Horned Lizard Counts - Week Ending 01/21/2012

Date	Location	Observed	Injured	Relocated	Dead
6/25/2011	SWPL AR to EP361	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	EP356	2			
6/20/2011	SWPL AR to EP359	1			
6/20/2011	Near EP356	2			
6/20/2011	AR between EP358/357				1
6/18/2011	AR to Dunaway CY				1
6/17/2011	Near EP322	1			
6/7/2011	Near EP355	1			
6/7/2011	EP361			1	
6/7/2011	AR btwn EP343/EP344				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	SWPL AR to EP316-2				1
6/2/2011	AR east of EP325				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 CY			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			3	
5/19/2011	IV Substation			5	
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				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	EP360	1			

Flat Tailed Horned Lizard Counts - Week Ending 01/21/2012					
Date	Location	Observed	Injured	Relocated	Dead
5/11/2011	Dunaway CY	3			
5/11/2011	Dunaway Yard			4	
5/10/2011	EP322	1			
5/10/2011	AR to Dunaway CY	1			
5/9/2011	Dunaway Yard			4	
5/7/2011	EP322	1			
5/7/2011	Spur Road to EP344	1			
5/7/2011	Dunaway Yard			1	
5/6/2011	AR to EP321-1	1			
5/5/2011	AR to EP321-1	1			
5/5/2011	AR to Dunaway CY	2			
5/5/2011	Dunaway Yard			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			
4/20/2011	Plaster City			1	
4/18/2011	Plaster City			1	
4/14/2011	AR to IV Substation	1			
4/2/2011	Dunaway CY	1			
TOTAL PRIOR TO RCLMP		35	0	60	13
YTD		47	0	103	25

*RCLMP refers to the Revised Construction Lighting Mitigation Plan

Appendices

Flat-Tailed Horned Lizard Monitoring Report

Raven Control Monitoring Report

Raven Control Monitoring Report - Week Ending 01/21/2012

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
1/21/2012			No ravens observed					
1/20/2012			No ravens observed					
1/19/2012	EP326-EP328	2		2				no
1/18/2012	EP334	1		1				no
1/17/2012	EP329-1	2			2			no
1/16/2012			No ravens observed					
1/15/2012			No ravens observed					
1/14/2012			No ravens observed					
1/13/2012			No ravens observed					
1/12/2012			No ravens observed					
1/11/2012			No ravens observed					
1/10/2012			No ravens observed					
1/9/2012			No ravens observed					
1/8/2012			No ravens observed					
1/7/2012			No ravens observed					
1/6/2012			No ravens observed					
1/5/2012			No ravens observed					
1/4/2012			No ravens observed					
1/3/2012			No ravens observed					
1/2/2012			No ravens observed					
1/1/2012			No ravens observed					
12/31/2011			No ravens observed					
12/30/2011			No ravens observed					
12/29/2011	EP313-EP304 & EP295-EP292	2			2			no
12/28/2011	EP294	20			20			no
12/27/2011	EP292	2			2			
12/26/2011	EP292	2					2	no
12/25/2011			No ravens observed					
12/24/2011	EP281, EP281GS & EP290	5		5				no
12/23/2011			No ravens observed					
12/22/2011	EP300-1, EP301 & EP304	3		3				no
12/21/2011			No ravens observed					
12/20/2011	EP290-EP291/EP292 Pullsite	2			2			no
12/19/2011			No ravens observed					
12/18/2011			No ravens observed					
12/17/2011	EP325	1		1				no
12/17/2011	S2 Yard	3					3	no
12/16/2011			No ravens observed					
12/15/2011	IV Substation	1			1			no
12/15/2011	EP293	2		2				no
12/15/2011	S2 Yard	3					3	no
12/14/2011	S2 Yard	3					3	no
12/13/2011	S2 Yard	2					2	no
12/12/2011	S2 Yard	2					2	no
12/11/2011	S2 Yard	2					2	no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
12/10/2011	EP306 & EP306/EP307 Pullsite	3		3				no
12/9/2011	IV Substation	1		1				no
12/9/2011	EP308 & EP306/EP307 Pullsite	2		2				no
12/9/2011	EP291 & EP291/EP292 Pullsite	2		2				no
12/8/2011	S2 Yard	3					3	no
12/8/2011	IV Substation	1		1				no
12/8/2011	EP301	2		2				no
12/8/2011	EP300-EP309	2		2				no
12/8/2011	EP291/EP292 Pullsite	2	2					no
12/8/2011	EP281	2		2				no
12/7/2011	IV Substation	1		1				no
12/7/2011	EP301	1			1			no
12/7/2011	EP291/EP292 Pullsite	1			1			no
12/7/2011	EP281	7		4	2	1		no
12/7/2011	S2 Yard	2			2			no
12/6/2011	S2 Yard	3				3		no
12/6/2011	EP301	2			2			no
12/6/2011	EP281	5		4		1		no
12/5/2011	S2 Yard	2					2	no
12/5/2011	IV Substation	2		2				no
12/5/2011	EP363	2		2				no
12/5/2011	EP281	6		6				no
12/4/2011	S2 Yard	3				3		no
12/4/2011	IV Substation	2		2				no
12/4/2011	Fromm CY	2				1	1	no
12/4/2011	EP294	1		1				no
12/3/2011	EP281	1		1				no
12/2/2011	IV Substation	1		1				no
12/1/2011	S2 Yard	2					2	no
11/30/2011	S2 Yard	2			2			no
11/29/2011	S2 Yard	2			2			no
11/28/2011	S2 Yard	4			4			no
11/28/2011	EP290-EP301	5		2	3			no
11/27/2011	S2 Yard	1		1				no
11/26/2011	No ravens observed							
11/25/2011	NO WORK: DAY AFTER THANKSGIVING							
11/24/2011	NO WORK: THANKSGIVING							
11/23/2011	Plaster City Yard	3					3	no
11/22/2011	S2 Yard	4			4			no
11/22/2011	IV Substation	1			1			no
11/21/2011	S2 Yard	4					4	no
11/21/2011	IV Substation	1		1				no
11/21/2011	EP281	2			2			no
11/20/2011	EP360	2			2			no
11/20/2011	IV Substation	2		2				no
11/19/2011	No ravens observed							

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
11/18/2011	EP358 and IV Substation	2		2				no
11/17/2011	No ravens observed							
11/16/2011	S2 Yard	5			5			no
11/15/2011	EP330-1	2					2	no
11/15/2011	EP304; EP330	1			1			no
11/14/2011	S2 Yard	6			6			no
11/13/2011	No ravens observed							
11/12/2011	Dunaway CY	1			1			no
11/11/2011	Dunaway CY	4					4	no
11/11/2011	S2 Yard	5					5	no
11/10/2011	Fromm CY	2					2	no
11/10/2011	EP355	1		1				no
11/9/2011	Dunaway CY	1			1			no
11/8/2011	S2 Yard	5			5			no
11/8/2011	Dunaway CY	2			2			no
11/7/2011	S2 Yard	3					3	no
11/7/2011	EP308-EP310	1					1	no
11/7/2011	EP301 Pullsite	7		6	1			no
11/6/2011	No ravens observed							
11/5/2011	S2 Yard	7			7			no
11/5/2011	IV Substation	1			1			no
11/4/2011	S2 Yard	5			5			no
11/3/2011	S2 Yard	5			3		2	no
11/3/2011	IV Substation	1			1			no
11/3/2011	Fromm CY	1				1		no
11/3/2011	EP303 and EP302	2			2			no
11/3/2011	EP281	2			2			no
11/2/2011	S2 Yard	4			4			no
11/2/2011	IV Substation	1		1				no
11/2/2011	EP305, EP310, EP311	1		1				no
11/1/2011	S2 Yard	2			2			no
11/1/2011	IV Substation	1		1				no
11/1/2011	EP305 and EP312	1			1			no
10/31/2011	S2 Yard	5			5			no
10/31/2011	AER and Fromm CY	1				1		no
10/30/2011	No ravens observed							
10/29/2011	IV Substation	3		3				no
10/28/2011	IV Substation	1		1				no
10/28/2011	EP256, EP357 & EP358	5		5				no
10/27/2011	EP356, EP358 & EP362	2		2				no
10/27/2011	EP305, EP307, EP310-EP312	1		1				no
10/26/2011	EP306, EP307 & EP310	2		2				no
10/25/2011	IV Substation	1		1				no
10/25/2011	EP310	1		1				no
10/24/2011	S2 Yard	3					3	no
10/24/2011	EP305	1			1			no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
10/23/2011	S2 Yard	3			3			no
10/22/2011	No ravens observed							
10/21/2011	Dunaway CY	1			1			no
10/20/2011	S2 Yard	2					2	no
10/20/2011	Dunaway CY	5					5	no
10/19/2011	EP314	1		1				no
10/19/2011	EP290	5		5				no
10/18/2011	No ravens observed							
10/17/2011	EP301	3		3				no
10/16/2011	No ravens observed							
10/15/2011	S2 Yard	2					2	no
10/15/2011	Dunaway CY	1				1		no
10/15/2011	EP315	2					2	no
10/15/2011	EP301	3			3			no
10/14/2011	Fromm CY	3				3		no
10/14/2011	EP305	2		2				no
10/14/2011	EP301	3			3			no
10/13/2011	S2 Yard	2					2	no
10/13/2011	Dunaway CY	5					5	no
10/13/2011	Fromm CY	1					1	no
10/13/2011	EP354-EP363	2			2			no
10/13/2011	EP301	4		4				no
10/12/2011	EP300-EP301	2		2				no
10/11/2011	Plaster City Yard	2			2			no
10/11/2011	IV Substation	2					2	no
10/10/2011	Fromm CY	2				2		no
10/10/2011	EP359-EP360	2		2				no
10/10/2011	EP355-EP363	2		2				no
10/10/2011	EP301	3		3				no
10/9/2011	S2 Yard	3					3	no
10/9/2011	EP300	6		6				no
10/8/2011	EP357	2			2			no
10/8/2011	EP306	3					3	no
10/7/2011	Dunaway CY	1		1				no
10/7/2011	EP291-EP301	3		3				no
10/6/2011	Fromm CY	2					2	no
10/5/2011	Dunaway CY	2		2				no
10/5/2011	EP303-2	2		2				no
10/4/2011	EP310 & EP311	2		2				no
10/4/2011	EP301	3					3	no
10/4/2011	EP293	2		2				no
10/3/2011	S2 Yard	2					2	no
10/3/2011	Dunaway CY	2			2			no
10/2/2011	EP356-EP363	2		1	1			no
10/1/2011	Plaster City Yard	2					2	no
10/1/2011	EP360	2			2			no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
9/30/2011	S2 Yard	2					2	no
9/30/2011	EP355	1		1				no
9/30/2011	EP314	2		2				no
9/30/2011	EP301	2		1	1			no
9/29/2011	EP291/EP292 Pullsite	1			1			no
9/28/2011	EP361	1			1			no
9/27/2011	EP315	2		1	1			no
9/27/2011	EP309	1		1				no
9/27/2011	EP301 & EP304	4		3	1			no
9/27/2011	EP290	1			1			no
9/26/2011	EP362	2			2			no
9/26/2011	Fromm CY	1				1		no
9/25/2011	No ravens observed							
9/24/2011	Plaster City Yard	2					2	no
9/24/2011	EP317	1		1				no
9/24/2011	EP309	1		1				no
9/23/2011	EP362	4			4			no
9/23/2011	EP303	2		2				no
9/22/2011	Fromm CY	1				1		no
9/22/2011	EP303	2		2				no
9/22/2011	EP301	2		2				no
9/22/2011	EP295-EP322	3		3				no
9/21/2011	S2 Yard	3			3			no
9/21/2011	Fromm CY	1					1	no
9/21/2011	EP303	1		1				no
9/20/2011	S2 Yard	2			2			no
9/20/2011	Fromm CY	1				1		no
9/19/2011	S2 Yard	3			3			no
9/19/2011	EP304, EP307, EP309	1		1				no
9/18/2011	S2 Yard	3				3		no
9/18/2011	EP281	1		1				no
9/17/2011	S2 Yard	3					3	no
9/17/2011	EP362	1			1			no
9/17/2011	Fromm CY	3				3		no
9/16/2011	EP363	2			2			no
9/16/2011	Fromm CY	1					1	no
9/16/2011	EP304	2		2				no
9/16/2011	EP290	1		1				no
9/15/2011	S2 Yard	4			4			no
9/15/2011	Fromm CY	3					3	no
9/15/2011	EP296	1		1				no
9/15/2011	EP306	2					2	no
9/15/2011	EP304	1		1				no
9/15/2011	EP301	2		2				no
9/14/2011	Plaster City Yard	1			1			no
9/14/2011	EP361	2			2			no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
9/14/2011	Fromm CY	1				1		no
9/14/2011	EP308	1					1	no
9/14/2011	EP301	5		4	1			no
9/14/2011	EP292	3		3				no
9/13/2011	S2 Yard	10			10			no
9/13/2011	EP348	3		3				no
9/13/2011	EP345	2		2				no
9/13/2011	EP326	1					1	no
9/13/2011	EP325	2		2				no
9/13/2011	EP326	1		1				no
9/13/2011	EP304	7		7				no
9/13/2011	EP291	7		7				no
9/12/2011	S2 Yard	3			3			no
9/12/2011	EP350	1		1				no
9/12/2011	EP304	1		1				no
9/12/2011	EP301	1		1				no
9/11/2011	S2 Yard	2				2		no
9/10/2011	S2 Yard	2					2	no
9/9/2011	EP304	1			1			no
9/8/2011	S2 Yard	3					3	no
9/7/2011	S2 Yard	3					3	no
9/6/2011	No ravens observed							
9/5/2011	No ravens observed							
9/4/2011	No ravens observed							
9/3/2011	No ravens observed							
9/2/2011	EP348	1		1				no
9/2/2011	S2 Yard	1		1				no
9/2/2011	EP303	1		1				no
9/2/2011	EP363	2		2				1 at IV Sub
9/1/2011	EP303	2					2	no
9/1/2011	EP293	1					1	no
9/1/2011	EP304	2					2	no
8/31/2011	S2 Yard	1		1				no
8/31/2011	EP308	1		1				no
8/31/2011	EP305-3	2					2	no
8/31/2011	EP303	2		2				no
8/30/2011	EP303	1		1				no
8/29/2011	S2 Yard	1		1				no
8/29/2011	EP303	1		1				no
8/28/2011	No ravens observed							
8/27/2011	EP305	3			3			no
8/26/2011	EP301	2		2				no
8/25/2011	S2 Yard	2					2	no
8/25/2011	EP301	2		2				no
8/24/2011	S2 Yard	3				3		no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
8/23/2011	EP292-1	3		3				no
8/22/2011	No ravens observed							
8/21/2011	No ravens observed							
8/20/2011	S2 Yard	2				2		no
8/20/2011	EP312	2		2				no
8/20/2011	S2 Yard	2					2	no
8/20/2011	EP312	2		2				no
8/19/2011	EP307	2			2			no
8/19/2011	EP296	1		1				no
8/18/2011	S2 Yard	2				1	1	no
8/18/2011	EP301	Flock		x				no
8/17/2011	S2 Yard	2				1	1	no
8/17/2011	EP301	3			3			no
8/16/2011	S2 Yard	1					1	no
8/16/2011	EP301	1		1				no
8/15/2011	No ravens observed							
8/14/2011	No ravens observed							
8/13/2011	S2 Yard	2					2	no
8/12/2011	IV Substation	2				2		no
8/12/2011	S2 Yard	3				3	3	no
8/11/2011	EP294	4			4			no
8/11/2011	S2 Yard	3				3	3	no
8/10/2011	S2 Yard	3				2	1	no
8/9/2011	S2 Yard	not specified						no
8/8/2011	EP294	2			2			no
8/8/2011	S2 Yard	1						no
8/7/2011	No ravens observed							
8/6/2011	S2 Yard	1						no
8/5/2011	EP301	3		3				no
8/4/2011	S2 Yard	not specified						no
8/3/2011	S2 Yard	2		2				no
8/3/2011	S2 Yard	1						no
8/2/2011	S2 Yard	3					3	no
8/1/2011	EP314	not specified		x				no
7/31/2011	No ravens observed							
7/30/2011	EP314	3		2			1	no
7/30/2011	S2 Yard	1					1	no
7/29/2011	S2 Yard	1						no
7/28/2011	EP319	4	1	2	1			no
7/28/2011	S2 Yard	not specified						no
7/27/2011	S2 Yard	not specified						no
7/26/2011	No ravens observed							
7/25/2011	EP290	1			1			no
7/24/2011	No ravens observed							
7/23/2011	No ravens observed							
7/22/2011	EP290	2		1	1			no

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
7/21/2011	S2 Yard	1		1				no
7/20/2011	Ocotillo, CA	5						no
7/19/2011	Ocotillo, CA	1						no
7/18/2011	CP40-2	not specified						no
7/18/2011	CP41-2	not specified						no
7/18/2011	CP42-1	not specified						no
7/17/2011	No ravens observed							
7/16/2011	CP42-1	not specified						no
7/15/2011	No ravens observed							
7/14/2011	EP357	not specified						no
7/14/2011	EP358	not specified						no
7/14/2011	EP359	not specified						no
7/14/2011	Plaster City Yard	2		2				no
7/13/2011	EP313-EP314 PS	not specified						no
7/13/2011	S2 Yard	3					3	no
7/12/2011	CP18-1	not specified						no
7/12/2011	CP19-1	not specified						no
7/12/2011	CP22-1	not specified						no
7/11/2011	EP304-EP314	not specified						no
7/10/2011	No ravens observed							
7/9/2011	EP351	not specified						no
7/9/2011	EP353	not specified						no
7/9/2011	EP354	not specified						no
7/9/2011	EP355	not specified						no
7/9/2011	not specified	not specified						no
7/9/2011	S2 Yard	3					3	no
7/8/2011	EP303	2			1		1	no
7/8/2011	EP303	1		1				no
7/8/2011	S2 Yard	3					3	no
7/1/11-7/7/11	No ravens observed							
6/30/2011	EP300	3		3				no
6/21/11-6/29/11	No ravens observed							
6/20/2011	S2 Yard	2					2	no
6/1/11-6/19/11	No ravens observed							
5/1/11-5/31/11	No ravens observed							
4/22/11-4/30/11	No ravens observed							
4/21/2011	EP341	1	1					no
4/1/11-4/20/11	No ravens observed							
3/1/11-3/31/11	No ravens observed							
2/1/11-2/28/11	No ravens observed							
1/21/11-1/31/11	No ravens observed							
1/21/2011	Rough Acres Yard	not specified						no