

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 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 EP62A-1 and EP243.
- Removed stakes at TL6924 location 10.
- Topographic surveys at CP95-1/CP96-1 access road.
- Work area flagging clean-up at TL639 location 64 to location 81 and location 84.
- Post construction impact surveys at work areas near EP170, EP187-2, EP192-2 to EP194-3, EP214 to EP215, EP219-1, EP220-1, EP225-1, EP226-1, EP236-1 to EP237-1, EP242, and EP243 to EP244.
- 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 JVR Yard, CP9 to CP11, CP38, CP44, CP99, EP35, EP36, EP71, EP89, EP90, EP105, EP200 to EP220, EP248, EP294 to EP295, EP299, EP301-E-A access road, Shell Canyon Road towards EP304, and EP313.
 - Installed ESAs and project signs at EP36 and EP245.

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:

- 4 Archaeological Monitors.
 - 118 Biological Monitors.
 - 4 Native American 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	130 of 169	79 of 169	46 of 169 CP16-1 to EP23
Bureau of Land Management	154 of 179	116 of 179	95 of 179
Miramar	14 of 14	12 of 14	1 of 14 CP15-1
US Forest Service	31 of 76	16 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			
85 Percent Complete			

Overhead Construction

- Link 1
 - Vegetation clearing and maintenance at EP150, EP186-1, EP188-1, EP195-2, EP196-2, GS-NF-32 to GS-NF-33, EP221-2, EP221A, EP223-1, EP224-1, EP225-1, EP226-1, EP227, EP231A, EP233-1, and EP243.
 - Grading at EP187-2.
 - Driveway installation at EP226-1-PS-E.
 - Blasting at EP170.
 - Gate installation at EP179 and EP185-1.
 - Fence installation for the regen site at EP215.
 - Final grading at EP254/EP255 pull site and EP314 pull site.
 - Micropile drilling at EP146, EP150, EP151, EP233-1, EP234-1, and EP254-3.
 - Grouting at EP144, EP145, EP147, EP149-1, and EP150.
 - Trimming at EP148-1, EP152-2, and EP183.
 - Pull test at EP148-1, EP150, EP151, EP152-2, EP183, EP188-1, EP189-3, and EP194-3.
 - Micropile cap work at EP149-1, EP183, EP188-1, EP189-3, EP195-2, EP196-2, EP249-1, and EP252A-1.
 - Concrete pouring at EP187.
 - Form removal and cleanup at EP187-2.
 - Tower assembly at/from EP178 to EP185-1, EP187-2, EP190-2, EP197-3, EP198-3, EP199-3, EP226-1, EP229-2, EP230-1, EP231-1, EP231A, EP232-1, EP235-1, EP238-1, EP240, EP245-1, EP248-1, EP252-1, and EP253-3.
 - Miscellaneous tower work (anti-climbing guards, bird deterrents, and/or signage) at/from EP 204-3 and EP356 to EP363-1.
 - QA/QC at EP181, EP182, EP193-2, EP197-3, EP199-3, EP230-1, EP231-1, EP231A, and EP238-1.
 - Ground rod installation at EP247.
 - Ground resistance testing at EP229-1, EP231A, EP238-1, EP247, and EP248-1.
 - Cleanup at EP215.
 - OPGW pulled from EP200-3 pull site to EP215 pull site.
 - Dead end work occurred at EP205-2, EP206-1, EP210, and EP211.
 - Clipping in from EP200-3 to EP208, EP213, and EP214.
 - Sleeve repair at EP149-1.
 - Jumpers installed from EP210 and EP215.
 - Traveler work at/from EP201-3 to EP204-3, EP207, EP208, and EP213.
 - Sagging from EP200-3 pull site to EP215 pull site.
 - Spacers installed from EP200-3 to EP215.
 - Marker ball installation between EP205-2 and EP206-1.
 - Equipment demobilized from EP215 pull site.
 - BMP installation/maintenance at/from:
 - EP150, EP188-1 to EP254/EP255 pull site, EP316-2, EP318-1, EP320-1, EP321-1, EP322-1, EP323-1-PS-N, EP324, EP325-2, EP326, EP327, EP328-1, EP329-1-N, EP330-1, GS-NF-31, GS-NF-34, and GS-NF-36.
 - Trained FTHL monitors and Visible Emission Evaluators (VEEs) were onsite as required.

- Link 2

USFS Land

- No work occurred on the USFS during this reporting period.

BLM Land

- A gate and barrier were set at EP99-2-N-B.
- Blasting at EP51-1.
- Site prep at EP40-1, EP41, and EP48.
- Conventional drilling at EP39-1, EP49, and EP51-1.
- Micropile cap work at EP73-1 and EP74-1.
- Arroyo toad surveys conducted during a simulated rain event at EP50 transposition site and from EP53 to EP69.
- Arroyo toad fencing installed between EP50 transposition site, EP66-E, EP68-E, EP75-2, and EP79.
- Hydromulching at EP50, EP51-1, EP103-2-N, and EP103A-2-N.
- BMP maintenance at/from:
 - EP42, EP56-4 to EP64, EP58-2-E to EP65-1-E, EP70 to EP78, EP88-2 to EP99-2, EP101-2, EP102-3, EP102A-1, and EP103-2.

Non-Federal Land

- Vegetation clearing at EP62A-1 guard structure, EP80, and GS-NF-29.
- Driveway work at EP89-1-E.
- Fence repairs at GS-NF-24.
- Site prep at EP25, EP31-1, EP62A-1, EP87-1, and EP88-2.
- Crews worked at the regen site adjacent to EP54-1.
- Cap prep work at EP82, EP83, and EP87-1.
- Arroyo toad surveys conducted during a simulated rain event from EP53 to EP69 and at EP66-E.
- Arroyo toad fencing installed from EP66-E to EP68-E and EP75-2 to EP79.
- Hydromulching at EP103A-2-N, EP104-2-N, EP105-2-N, EP105-2-E-B, and EP105-2-E-A.
- BMP maintenance at/from:
 - EP26-1 to EP32-1, EP56-4 to EP64, EP58-2-E to EP65-1-E, EP70 to EP78, EP80, EP81, EP84, EP86-1, EP88-2 to EP99-2, EP104-2, EP106-3, EP107-3, EP119-2, GS-NF-22, GS-NF-23, GS-NF-24, GS-NF-25, GS-NF-28, and GS-NF-29.

- [Link 5](#)

USFS Land

- No work occurred on the USFS during this reporting period.

BLM Land

- Vegetation clearing at CP58-1, CP59, CP60, and CP62A.
- Grading at CP59.
- Trimming at CP59.
- Micropile pull test at CP59.
- Tower assembly at CP61-1.
- Cleanup at CP58-1, CP61-1, and CP62A.

Non-Federal Land

- Vegetation clearing and maintenance from CP43-1 to CP57, CP62-2, CP63-3, CP64-2, CP75-1, CP78-2, CP79-1, CP80-2, CP82-1, and CP84.
- Access road construction at CP49-1-PS-N.
- Grading at CP75-1 pull site and CP95/CP96 pull site.
- Topsoil salvage at CP95/CP96 pull site.
- Fence repairs at CP24-1 and CP28-1.
- Micropile drilling at CP27, CP28-1, CP37-2, CP44-1, CP46-2, CP47-2, CP47A-1, CP48-2, CP49-1, CP62-2, CP63-3, CP64-2, and CP86.
- Grouting at CP21, CP23, CP47-2, CP48-2, CP83, and CP86.
- Trimming at CP21, CP23, CP47-2, CP48-2, CP55, CP57, CP76-1, CP77, CP79-1, CP83, and CP85-1.
- Micropile pull testing at CP55, CP57, CP76-1, CP77, CP79-1, CP83, and CP85-1.
- Micropile cap work at CP76-1, CP77, CP78-2, CP79-1, CP80-2, CP82-1, and CP85-1.
- Conventional drilling at CP29-1 and CP31-2.
- Various foundation work (curing, cage installation, etc.) at CP31-2.
- Concrete pouring at CP29-1.
- Tower assembly at CP78-2, CP80-2, CP81-1, CP82-1, CP84, and CP98-1.
- QA/QC at CP21 and CP23.
- Cleanup at CP16-1, CP56-1, CP70-3, CP74-2, CP75-1, CP81-1, and CP84.
- Ground resistance testing at CP81-1 and CP84.
- BMP installation and maintenance at:
 - CP16-1, CP44-1, CP46, CP48-2, CP49-1, CP81-1, CP82-1, CP84, CP86, CP87-1, CP88-1, CP95-1, CP96-1, and CP98-1.

Miramar

- Gate installation at CP9-1.
- Grading at CP10 and CP11-1.
- Excavations for guard structure poles began between CP3 and CP6-1.
- Tower assembly at CP3, CP6-1, CP7, CP8-2, CP9-1, CP10, and CP13-1.
- Ground rod installation at CP11-1, CP12-1, and CP14.
- Sock line pulled on all phases of the east and west sides of the tower from CP15-1 to CP23.
- Insulator work and sagging from CP15-1 to CP23.
- BMP installation and maintenance from CP3 to CP15-1.

69kV

- Various foundation work (curing, cage installation, etc.) at TL6915 location 10 and location 11.
- Concrete pouring at TL6915 location 8 and location 10.
- BMP installation at TL6924 location 3 and TL6915 location 3.

Underground Construction (Link 4)

- Revitalization – Alpine Boulevard and Louise Drive to Rock Terrace.
- Fiber Work – V3L, V4L, V5L, V6L, and V7L.
- Bauer Bridge – Welding and pedestrian bridge decking removed.
- Terminating – V15R, V16R, Slay property, and Loritz property.
- Jointing – V1R, V1L, V2L, V14R, V18R, and V19R.

- Grounding – V3R, V4R, V20R, and Loritz property.
- Caltrans Bore Site – Excavation for cooling system pipe.
- Splicing – V3R

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 central portion of the pad.
- Hydromulching on various slopes of the substation pad.
- Forming for emergency generator foundation near the control shelter
- Installing steel beams on the maintenance shelter.
- Delivery of approximately 2,200 potted plants for landscaping.

Substation Upgrades

Encina:

- SDG&E relay crews performing wiring at control house and panels.
- SDG&E Kearny Mesa crews performing upgrades on eastern bus inside the 230kV switchyard.
- Roel Construction, Alcorn, and Chula Vista Electric building and grounding the new security fence in the 230kV southern switchyard.

Imperial Valley:

- SDG&E wiring inside the control house.

Sycamore:

- SDG&E Kearny Mesa crews building disconnects and bus for 69kV upgrades.
- SDG&E crew performing wiring inside the control house.

San Luis Rey:

- Wiring on Bank 70 transformer.

Construction Yards

- Sycamore Yard – Weed wash station, water supply, dust suppression, helicopter operations, and staging for BMP, road, wire, micropile, conventional foundation, and assembly crews.
- Helix Yard – Helicopter operations, water staging, weed wash station, dust suppression, and staging for micropile, erection, assembly, BMP, and TSAP crews.
- El Monte Yard – Dust suppression, helicopter operations, and staging for assembly, road, and tower hooking crews.
- Alpine Yard – Hub for equipment/materials staging, weed wash station, and staging for road 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 driveway, conventional foundation, micropile, and BMP crews.
- Barrett Canyon Yard – Very little activity.
- Kreutzkamp Yard – Helicopter operations, weed wash station, water staging, dust suppression, and staging for conventional foundation, micropile, toad survey, and BMP crews.
- Bartlett-Hauser Yard – Water staging, helicopter operations, weed wash station, dust suppression, and staging for driveway and BMP crews.
- Thing Valley Yard – No activity.
- McCain Valley Yard – Helicopter operations, staging for assembly crew, dust suppression, and water staging.
- Rough Acres Yard – Helicopter operations, tower assembly, and staging for erection, 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, road, QC, driveway, TSAP, erection, and BMP crews.
- AER Yard – Restored.
- Fromm Yard – Shut down due to end of the 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:

- Two-striped garter snake (*Thamnophis hammondi*) – One (1) two-striped garter snake was found dead by CP59.

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

- Silvery Legless Lizard (*Anniella pulchra pulchra*) – One (1) silvery legless lizard was relocated from EP82.
- Western Spadefoot (*Spea hammondi*) – Two (2) western spadefoot toads were relocated from CP59.
- Mexican Rosy Boa (*Lichanura trivirgata*) – One (1) Mexican rosy boa was relocated from along the access road to EP56.

Spills/Hazardous Waste

- No reportable spills occurred 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.

Variances and TEWS

- No variances or 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 will begin within 72 hours of identification.



Landscaping on the NW corner of the Suncrest substation pad. *(Photo courtesy of Mark Meridith)*

Appendices

Peninsular Big Horn Sheep Monitoring Report

Flat-Tailed Horned Lizard Monitoring Report

Raven Control Monitoring Report

Flat Tailed Horned Lizard Counts - Week Ending 01/14/2012

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 01/14/2012

Date	Location	Observed		Injured		Relocated		Dead	
Post RCLMP*		Day	Night	Day	Night	Day	Night	Day	Night
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	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 01/14/2012

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 01/14/2012					
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

Raven Control Monitoring Report - Week Ending 01/14/2012

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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
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

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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							
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							

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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
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

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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
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

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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
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

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed	
			Nesting	Flying	Perching	Roosting	Scavaging		
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	
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	

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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
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							

Date	Location	Number of Ravens observed	Raven Activity					FTHL observed
			Nesting	Flying	Perching	Roosting	Scavaging	
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