

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 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.
- Barefoot banded gecko trainings were provided to crews prior to pre-construction activities per the California Department of Fish and Game (CDFG) 2081 Incidental Take Permit.
- Monitoring Training was held for the U.S. Forest Service on August 3rd and 4th at the Alpine Community Center, in Alpine, CA. The Forest Service had 12 representatives attend the training along with their field monitors for the project.

Preconstruction

- Avian biologists surveyed for nesting birds prior to work commencing in an area with guidance and concurrence from the California Department of Fish and Game (CDFG), United States Fish and Wildlife Service (USFWS), and California Public Utilities Commission (CPUC). For any active nests found, a buffer was established and no construction activities were permitted within the buffer area without first consulting with agencies. Active nests were mapped and monitored for success or failure and updated on the nest monitoring log.
- The following work areas were staked and refreshed: CP56-1, CP58-1, CP59, CP60, CP61-1, CP62A, CP76-1, CP77, CP78-2, CP79-1, CP80-2, CP81-1, CP82-1, CP83, CP84, CP85-1, CP86, pull site between EP82 to EP83, pull site between EP83 to EP84, EP83, EP87, EP88, EP89, EP90-1, EP91, EP92, EP93, EP94, EP95, EP96, EP97, EP98-1, EP99-2, pull site between EP99-2 to EP101-2, EP170, EP171, EP172, EP173, EP174, EP175, EP176, EP177, pull site between EP177 to EP178, EP200-3, EP200A-1, EP201-3, EP202-3, EP203, EP204, EP205, EP206-1, and EP207.
- Set RPs and RTK verification from EP2 to EP3.
- Staked new access at AER Construction Yard.
- The ESA Team conducted the following activities during this reporting period:
 - Repaired, refreshed and maintained the previously installed project signs and ESAs from EP173 to EP205, EP228 to EP237, EP290 to EP330 (Plaster City Yard), on the SWPL access road from EP347 to EP345, EP342 to EP363, and EP318 to EP330.
 - Installed ESAs around Quail Guzzler at EP191-2, and along the margins of access road EP269-1-E which included T-posts, rope, bird tape, and ESA signs.

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 (MMCRP). Archaeologists, Paleontologists, and Native American Monitors were present at sites where required as identified prior to construction activity and as approved in the NTPs.
 - 10 Archaeological Monitors were present.
 - 96 Biological Monitors were present.
 - 13 Native American Monitors were present.
 - 4 Paleontological Monitors were present.
 - 8 SWPPP Monitors were present.
- 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
Non-Federal	53 of 168	18 of 168
Bureau of Land Management	52 of 180	30 of 180
Miramar	1 of 12	0 of 12
US Forest Service	0 of 76	0 of 76
UNDERGROUND		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	37 of 40	26 of 42
SUBSTATIONS		
	1 of 7	

Overhead

- Link 1
 - Grading at the following tower sites:
 - EP269PS, EP270-2, EP275-1TSAP, EP279-1TSAP, EP291-1, EP292, EP304, EP306/307PS, EP325-2, EP326, EP338/339PS, and EP343/344PS.

- Grading on the spur roads associated with tower sites:
 - EP325-2 and EP343/344PS.
 - Access road construction:
 - From EP258 to the AER Yard and EP326.
 - Vegetation clearing at EP270-2, EP277-1, EP278-1, EP280-2, and EP281.
 - Barefoot-banded gecko exclusionary fencing installed at EP269PS and EP270-2.
 - Blasting at EP279-1TSAP.
 - Micropile prep work at EP281.
 - Micropile drilling at EP305-3, EP310, EP315-1, and EP317.
 - Grouting at EP312 and EP314.
 - Proof testing at EP310 and EP311-1.
 - Snub holes were drilled and filled in at EP338/339PS.
 - Conventional drilling at EP294, EP303-2, EP346, and EP347.
 - Various foundation work (capping, curing, cage installation, grounding, etc.) at EP294, EP303-2, EP304-2, EP309, EP346, and EP347.
 - Concrete pouring at EP294, EP301, EP309, EP346, and EP347.
 - Form removal and cleanup at EP303-2, EP309, EP346, and EP347.
 - Reveals were demolished at EP303-2 due to issues with the concrete. The foundations will need to be re-drilled and re-poured.
 - Steel delivery at EP301, EP304, EP306, EP307, EP308, and EP309.
 - Tower assembly from EP295 to EP299, EP304, EP306, EP328, EP329, EP341, and EP342.
 - Anti-climbing guards were installed from EP208 to EP210, EP217-1, EP218-1, EP243, and EP244.
 - Various tower work at EP338, EP339, EP340, EP345, EP348, EP351, and EP354.
 - Night work at EP295, EP299, and EP313.
 - BMPs installation at the following tower sites:
 - EP269-1TSAP, EP270-2TSAP, EP275, EP276, EP325-2, EP306 to EP290, EP338/339PS, EP348/349PS, and EP355/EP356PS.
 - BMP crew performed maintenance at the following tower sites:
 - EP210 to EP219, EP227, EP232-1, EP310TSAP, EP311-1, EP312, and EP348/349PS.
 - BMP crew performed maintenance on the following access roads:
 - From Dunaway road to the SWPL road and along the SWPL road from EP291 to EP363.
 - Trained FTHL monitors, BBG monitors and Visible Emission Evaluators (VEEs) were onsite as required.
 - BBG sweeps were made each day in BBG Habitat.
- Link 2
 - Site clearance reviews were performed at EP2, EP3, EP4, EP5, EP44, EP45, and all associated TSAPs.
 - Prep for micropile capping at EP84.
 - Conventional foundations at EP89-1, EP92, and EP93.
 - Various foundation work at EP89-1.
 - Concrete pouring at EP89-1.
 - Form removal and cleanup at EP89-1.
 - BMPs maintained:
 - EP90-1 tower and pad.

- Link 5
 - Site clearance reviews were performed at CP59, CP59AR, CP68, CP103, and all associated TSAPs.
 - Micropile drilling at CP21.
 - Ultimate test drilling at CP23.
 - Conventional drilling at CP1B and CP29-1.
 - Steel erection at CP95-1 and CP96-1.
 - BMPs maintained at:
 - CP17 through CP26, and CP90.

- 69kV
 - Two new poles were set and reframed at Location #85 of the TL639.
 - Wire prep and stringing operations between Locations #83 and #85 on the TL639.
 - Wind anchors installed at Location #28 of the TL6916.

Suncrest Substation

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Excavating vaults for underground utilities along Bell Bluff Truck Trail.
- Crushing rock for select fill material.
- Hauling rock and soil from the northern portion of the pad to the southern portion of the pad.
- Placing select fill material in the southwest and southeast quadrants of the pad.
- Pier drilling for foundations.
- Forming pads for foundations and pouring concrete.
- Trenching between vaults for underground utilities along Bell Bluff Truck Trail.
- Drilling and blasting on the northern and eastern sections of the pad.
- Placing rip rap at storm drain outlets.
- BMP maintenance and installation of fiber rolls on finished slopes.
- While placing rock rip rap along Bell Bluff Truck Trail, a hot rock chip flew 15 feet into dry vegetation and started a brush fire. The crew quickly responded with fire tools and a water truck that was working close by. The fire blackened an area approximately 50x50 feet before being extinguished. Sunrise base was immediately notified and Acree Shreve (SDGE Fire Marshall) arrived on site to evaluate the area.

Underground

- Soil contamination was discovered on the Underground, Link 4, as anticipated at Soil Management Plan Zone 1. Construction was halted in this area and the sampling and disposal plan was initiated. SDG&E's Environmental Lab conducted soil sampling. SDG&E's HazMat Dept. will use the analytical to determine proper shipping and disposal. At this time, all contaminated soil is being left in the trench.
- Potholing/Redevelopment/Revitalization at V10R and at Alpine Boulevard (Alpine Elementary School).
- Excavation at V10R and Viejas Creek.
- Trenching from V7R to V8R, V9R to V10R, V10R to V11R, V10L to V11L, V11R to V13R, and V18R to V20R.
- Pre-drilling/Drilling near V7R to V8R and V20R (Loritz Property).
- Saw cutting at V10R to V11R and V19R to V20R.
- Pouring of encasement from V18R to V20R.
- Pre-racking manholes for ABB (and jointing/splicing) at V6R, V7L, V9L, and V15L.
- Proofing from V16R to V18R.
- Milling and setting plates from V7R to V8R, V9R to V10R, V10L to V11L, and V19R to V20R.

- Paving (including prep) near Alpine Creek Bore Location, V7R to V8R, V9R to V10R, V11R to V13R, and V19R to V20R.
- Vaults set at V10R.
- Vault completed at V10R and V11R.
- Cable pulling (and cable testing) from V4R to V5R and V9L to V10L.
- Risers at the Loritz Property.
- Grading and BMP installation at Bauer Property (Slay Property).
- Installed conduit at Highway 8 bore site (CalTrans bore site).

Substation Upgrades

- Encina Switchyard
 - Roel worked on excavating around pads for wire pull boxes, conduit trenches, control room, and transformer pads between Bays 1 through 11.
 - Backhoe trenched at the northwest side of the project area from pull Box #111 to Bay 1, and excavated on the north side of the east oil containment wall.
 - Roel poured concrete slurry into cable trench and forming risers around transformer pads.
 - Chula Vista Electric was onsite performing conduit installation and grounding.
 - SDG&E crews worked in new control house installing wiring panels and disconnects in Bays 8 through 10.
 - Paul Hanson was onsite working on driveway replacement outside the northwest corner of the switchyard.
 - SDG&E crew was onsite working on disconnects and eastern bus near bays 6 through 9.
- Imperial Valley (IV)
 - SDG&E wiring crew was onsite working in control room.
 - Roel scheduled to mobilize the week of August 8 to begin work on storage warehouse.
 - SDG&E and ETRAM crews worked on tower assembly.
- San Luis Rey
 - SDG&E crew worked on wiring in control house.
 - Taihan crew terminated newly pulled cable and SDG&E crew assisted with cable termination.
 - Cable termination to Bank 70 was completed.
 - SDG&E underground crew scheduled to complete remaining work.
- Scripps
 - Work completed until next scheduled outage.
 - SDG&E construction crews planning to start bus and disconnect work week of August 15.
- Sycamore
 - Roel worked on below grade in Bays 15, 21, and 26.
 - Roel installed wire rebar cage in 11 ft. diameter hole in the southwest corner of substations pad.
 - HMT laid grounding and conduit.
 - Anderson Drilling drilled in the southwest corner of substation pad.

Construction Yards

- AER Yard – TTSI turned yard over to PAR, PAR mobilization, and cleanup crew.
- Alpine Construction Yard – Materials staging and steel deliveries.
- Bartlett-Hauser Yard – Helicopter operations and cleanup crew.
- Dunaway Yard – Wire reel delivery and water supply for dust control.
- Hartung Yard – Tower assembly.

- Helix Yard – Helicopter operations and staging for foundation work.
- IV Sub Yard – Water supply for vicinity work areas and access roads.
- Jacumba Valley Ranch (JVR) Yard – Staging steel and welding caissons.
- Kreuzkamp Yard – Tower leg assembly.
- Plaster City Yard – Helicopter operations, foundation work staging, materials deliveries, tower assembly, and water supply for vicinity dust control.
- Rough Acres Yard – Helicopter operations, materials staging, tower assembly, and BMP maintenance.
- S2 Yard – Night work-tower assembly, materials deliveries, and resetting rumble plates.
- SWAT Yard – Tower assembly and materials deliveries.
- Sycamore Yard – Helicopter operations and foundation work staging.
- Thomas Yard – Materials staging and steel deliveries.
- Wilson Yard – Staging materials for Suncrest Substation and cleanup crew.

Wildlife Reporting

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – One (1) flat-tailed horned lizard was found dead on the access road near EP327.
- Coast patch-nosed snake (*Salvadora hexalepis virgultea*) – One (1) coast patch-nosed snake was run over on the access road to SWAT Yard.

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Two (2) flat-tailed horned lizards were relocated in suitable habitat and away from construction activities; one near Painted Gorge, and one on the access road near EP345.
- Pallid San Diego pocket mouse (*Chaetodipus fallax pallidus*) – One (1) Pallid San Diego pocket mouse was relocated from the access road to AER Yard during vegetation clearing.

The following non-listed (not Species of Special Concern) were relocated during construction activities this reporting period:

- AER Yard – One (1) red coachwhip snake and one (1) deer mouse were relocated from the work area.
- Kreuzkamp Yard – One (1) field mouse and two (2) Pacific chorus frogs were relocated from the work area.
- S2 Yard (Night Shift) – One (1) leaf-nosed snake was relocated from within the construction yard.
- Link 1 – One (1) leaf-nosed snake from EP298; one (1) sidewinder from EP296; and one (1) desert horned lizard from EP299.
- Link 2 – One (1) kangaroo rat was relocated from EP89-1.

Spills/Hazardous Waste

- A release of approximately 60 gallons of diesel fuel and 5 gallons of motor oil from an Ingersoll-Rand Compressor/Generator occurred north of EP326 and EP327. Notifications were made to all applicable agencies. Biological, cultural, Native American and paleontological monitors were

called to the site after the release occurred. Clean-up activities were initiated as soon as it was safe to do so and were completed on 8/5/2011.

- Monthly release reporting was made to the County of San Diego, Department of Public Works, Watershed Protection for a release on 7/27/2011, where approximately 10 ounces of vehicle fuel was released near 1237 Alpine Blvd., Alpine, CA 91901. The release was caused from a construction vehicle. The release was immediately contained and cleaned up on-site and did not pose a threat to human health or safety.

Customer Complaints

- No customer complaints or landowner concerns were recorded during this reporting period.

Non-Compliances

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

Variances and TEWS

- Variance Request #22 was approved on August 4, 2011, for Fromm Construction Yard.
- TEWS Request #23 was approved on August 5, 2011, for parking and equipment staging at EP290.

Weather

- During this period a rain event occurred on Sunday and Monday, July 31 and August 1.
 - Sunday (7/31)
 - Rough Acres Yard – 0.4 inches
 - Jacumba Valley Ranch Yard – 0.1 inches
 - Alpine Area – trace
 - Imperial Valley – trace
 - Monday (8/1)
 - Rough Acres Yard – 0.1 inches
- BMPs were inspected during and after the rain event, where possible. BMP maintenance was performed as needed throughout Project areas.



Baby desert horned lizard relocated in Imperial Valley. *Photo courtesy of Amanda Castro.*
(Previously identified as a flat-tailed horned lizard in WMR 45 for July 24 to 30, 2011.)