

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.
- Sunrise safety stand downs occurred on October 3, 2011, and October 5, 2011.
- Radio training occurred on October 5, 2011.
- SWPPP refresher trainings were conducted at grading crew tailboards on October 6, 2011 and October 7, 2011.

Preconstruction

- Staked and refreshed work areas at turnout for permit 5-5A, CP69-2 access road and pull site, CP100-2 access road and pull site, EP83 access road and pull site, EP187-2, EP219-1 to EP220-1, EP267-2 to EP269-1, EP281 to EP290, and EP303-2.
- Footing QA/QC at EP49, EP94, EP112A-1, and EP112-3.
- Evacuation route staking at CP99-2, CP100-1, CP101-1, CP103-1, CP104-1, CP105-1, EP132, EP134, EP135, EP136, EP137 to La Posta Truck Trail, EP139, EP140, EP142, and EP143-1.
- Set lathe and flagged access road at CP64-2/CP65-1 pull site.
- Topography survey at La Posta Truck Trail, Thing Valley Yard Fence, and EP187-2.
- Post construction impact surveys at Rough Acres Yard, EP325-2, EP326, EP327, EP333, EP341, EP362-1, EP363-1, and EP355/EP356 pull site.
- The ESA Team conducted the following activities during this reporting period:
 - Repaired, refreshed, and maintained the previously installed project signs and ESAs at EP237-1-PS-A access road, McCain Valley Road from Old Highway 80 to EP173, and along McCain Valley Road from EP205 to EP173.
 - Replaced previously installed big horn sheep warning signs at EP256-E access road, CY-AER-E access road, EP258-3-E access road, EP295-E access road, EP300-1-E-B access road, EP301-E-A access road, EP304-2-E-A access road, and EP313-E access road.

- Installed project signs at/from Wilson Yard, Suncrest Substation, CP106-1 to CP109-1, EP47-2 to EP48, EP184-1-N access road, EP185-1-N access road, McCain Valley Road from EP205-2 to EP206-1, and McCain Valley Road from EP196-2 to EP197-3.
- Two water ESAs were established along EP47-2-PS-N access road.

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:
 - 8 Archaeological Monitors.
 - 123 Biological Monitors.
 - 8 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. The table below demonstrates the construction progress to date:

OVERHEAD			
Agency	Foundations Completed	Towers Erected	Wire Installed
Non-Federal	70 of 169	31 of 169	5 of 169
Bureau of Land Management	82 of 179	57 of 179	36 of 179
Miramar	1 of 12	1 of 12	0 of 12
US Forest Service	0 of 76	0 of 76	0 of 76
UNDERGROUND			
Agency	Vaults Installed	Trenches Excavated & Backfilled	
Non-Federal	40 of 40	34 of 42	
SUBSTATION UPGRADES			
2 of 7 Completed			
SUNCREST SUBSTATION			
60 Percent Complete			

Overhead Construction

- Link 1
 - Vegetation clearing at EP174, EP175, EP176, EP205-2, and EP254-3.
 - Boulder removal at EP186-1.
 - Access road construction at:
 - EP174-N, EP175-N, EP176-N, EP186-1-N, EP187-2-E-A, and EP206-1.
 - Grading at EP186-1, EP187-2, EP187-2-N pull site, EP200-3, McCain Valley Road from EP201-3-E to 205-2-E, EP187-2-E-A to 197-3-N, and EP252.
 - Topsoil salvage at EP187-2 pull site.
 - Gate was installed at EP231-1.
 - Micropile drilling at EP259-3, EP270-2, EP271-2, EP275-1, EP277-1, and EP281.
 - Grouting at EP278-1.
 - Proof testing at EP277-1.
 - Micropile cap work at EP305-1, EP310, EP311-1, EP312, EP314, and EP315-1.
 - Soil boring at EP187.
 - Conventional drilling at EP190, EP200A-1, EP200-3, EP245-1, EP247, EP248-1, and EP250.

- Various foundation work (capping, cage installation, grounding, etc.) at EP198-3, EP245-1, EP247, EP248-1, and EP250.
- Concrete pouring at EP200A-1, EP201-3, EP245, EP247, and EP248-1.
- Form removal and cleanup at EP200A-1.
- Tower assembly at EP205-2, EP206-1, EP209-1, EP210, EP211, EP213, EP214, EP239-1, EP242, EP243, EP252-1, EP255, EP256, EP290, EP303-2, EP306-1, and EP307-1.
- QA/QC at EP303-2, EP306-1, and EP307-1.
- Optical Ground Wire (OPGW) splicing at EP348.
- OPGW sock line, haulback, and conductor for A, B, and C phases flown from EP291-1 to EP301.
- Conductor was clipped in from EP355 to EP360.
- Traveler work at EP301.
- Sagging from EP355/EP356 pull site to EP363-1.
- Spacers re-installed from EP344 to EP347.
- Jumpers were worked on at EP341.
- Insulator work at EP301.
- BMPs installed at:
 - EP174, EP176, EP186-1, EP186-1-N, along McCain Valley Road from EP192-2-E to EP204-3-E, EP247, EP252-1, and EP255-2.
- BMP maintenance at:
 - EP186-1 and EP200-3.
- Trained FTHL monitors, BBG monitors, BHS monitors, and Visible Emission Evaluators (VEEs) were onsite as required.
- BBG sweeps were conducted each day in BBG habitat.

Link 2

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

USFS Land

- Access road construction at:
 - La Posta Road beginning pavement to EP125 and EP130-1 to EP138-2.
- Vegetation clearing at EP109-1, EP140-1, and EP141.
- Grading at EP109-1.
- Soil boring at EP141
- Tree trimming at EP141.
- Boulder removal at EP135.
- Gate installation at EP125, EP126-1, and EP131.
- 900Mz radio tower repaired at EP34-1.
- BMP installation from:
 - EP130-1 to EP141.

BLM Land

- Access road construction at:
 - EP47-PS-N.
- Vegetation clearing at EP47-PS-N access road, EP70 temporary platform and EP102-3.
- Boulder removal at EP42 pull site, along EP42-N access road, and EP47-PS-N access road.

- Grading at EP42 pull site.
- Micropile drilling at EP43-1, EP44, and EP45-1.
- Site benching work at EP47-2.
- Soil boring at EP42.
- Rumble plate 08A-RP01 installed adjacent to Barrett Substation.
- BMP installation at:
 - EP42 pull site, EP43-1, EP44, EP45-1, EP47-PS-N access road, EP49-E access road, EP70 temporary platform, and EP102-3.

Non-Federal Land

- Vegetation clearing at EP83, EP106-3, and EP119-2.
- Grading at EP119-2 TSAP.
- Conventional drilling at EP93.
- BMP installation at:
 - EP83, EP106-3, EP107-3, and EP199-2.

Link 5

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

USFS Land

- Vegetation removal at CP99-2, CP100-1 and CP104-1.
- Access road construction at:
 - CP99-2/CP100-1 access road.
- Dexpan boulder breaking at CP104-1.
- Gate installation at CP69-2.
- Soil boring at CP99-2.
- Micropile drilling at CP103-2 and CP105-1.
- Micropile equipment demobilized/mobilized at CP103-2 and CP105-1.
- BMP installation at:
 - CP99-2 to CP100-1.
- Hydromulching at CP99-2.

BLM Land

- Vegetation clearing at CP68-1.
- Micropile drilling at CP62A and CP66-2.
- Grouting at CP65-1, CP66-2, and CP68-1.
- Tower QA/QC at CP67-3.

Non-Federal Land

- Vegetation removal at CP55/CP56-1 pull site, CP56-1-E-A access road, CP62-2, CP64-2, and CP98 access road.
- Tree trimming at CP70-3, CP71, CP72-2, and CP74-2.
- Grading at CP55/CP56-1 pull site.
- Access road construction at/from:
 - CP48-2 to CP49-1-PS-E, CP48-2 to CP49-1-PS-N, and CP56-1-PS-E-A.
- Driveway construction occurred at CP57, CP59, CP62 access road, and CP64-2/CP65-1 pull site.

- Micropile drilling at CP106, and CP109-1.
 - Micropile equipment demobilized/mobilized at CP56-1, CP107, and CP109-1.
 - Grouting at CP62-2, CP71, CP74-2, and CP75-1.
 - Conventional drilling at CP70-3, CP87-1, and CP88-1.
 - Tower assembly at CP40-2 and CP41-2.
 - Tower QA/QC at CP71, CP72-2, and CP73-2.
 - BMP installation at:
 - CP48-2 to CP49-1-PS-E, CP51-2, CP56-1-PS-E-A, CP84, CP98-1 access road, and CP108.
 - Hydromulching at CP55/CP56-1 pull site, CP56-1-PS-E-A access road, and CP98-1 access road.
- 69kV
- Manhole repaired at TL6916 U120984.

Underground Construction (Link 4)

- Revitalization near South Grade Road.
- Trenching at V1L to CalTrans bore pit, V1R to V2R, V1R to CalTrans bore pit, and V9R to V11R.
- Pre-drilling/Drilling at Viejas Creek Bridge and Alpine Creek bore pit.
- Pre-racking/Racking and cleaning manholes for ABB (and jointing/splicing) at V4L, V5L, V11L, V12L, V15R, and V16R.
- Proofing at V1R to V2R, V1L to V2L, V7R to V8R, V18L to Viejas Creek Bridge, V19R to Viejas Creek Bridge, and V19L to Viejas Creek Bridge.
- Cable pulling at V20L to riser poles.
- Grading and foundations at Bauer Property (Slay Property).
- Paving from V9R to V10R.
- Vaults set at V1L.
- Grading at Loritz Property and Slay Property.
- Forming at Viejas Creek Bridge.
- Video Conduit from V7R to V8R.

Suncrest Substation Construction (Link 3)

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Crushing rock for select fill material.
- Pier drilling for foundations.
- Forming pads for foundations and pouring concrete.
- Excavating vaults and trenching for underground utilities and placing Class 2 base along Bell Bluff Truck Trail.
- Steel erection in the northwest quadrant of the pad.
- Constructing the soil nail wall on the eastern slope.
- BMP maintenance and repair.
- Topsoil was spread on the southeast and southwest slopes.
- Concrete was poured for the blast walls.
- Transformer work in the center of the pad.
- checked access road grade.

ESA teams

Substation Upgrades

- Encina Switchyard
 - Chula Vista Electric pulled wire into pull boxes and control room and wired in panel boxes.
 - Roel constructed two 12kV transformer pads, formed two 12kV pads, performed BMP maintenance, cleaned site for a temporary demobilization, and worked on excavation area and trenched in the northwest portion of the substation.
- Imperial Valley (IV)
 - PRAVA Construction built out the new maintenance/storage building and installed side panels and roof on the completed steel frames.
- San Luis Rey
 - No Sunrise-related work was conducted.
- Sycamore Canyon
 - Roel poured slurry over the conduit on the south side of the newly installed transformer and backfilling, compacted around new containment wall, and performed clean up. An additional Roel crew was onsite finishing the 230kV transformer pad.

Construction Yards

- AER Yard – Tower assembly, helicopter operations, and materials staging.
- Alpine Construction Yard – Materials staging, loading reels, and weed wash station.
- Bartlett-Hauser Yard – Water staging, helicopter operations, BMP maintenance, and weed wash station.
- Barrett Canyon Yard – Site grading, BMP installation and maintenance, and boulder busting.
- Dunaway Yard – Site clean-up.
- Fromm Yard – Tower assembly, water staging, dumpster delivery, steel delivery, and steel staging.
- El Monte Yard – Tower QC.
- Helix Yard – Helicopter operations, air crane tower picks, tower assembly, concrete staging, weed wash station, and water staging.
- Imperial Valley Yard – No activity (yard essentially closed).
- Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, and water staging.
- Kreutzkamp Yard – Tower assembly, helicopter operations, weed wash station, and water staging.
- McCain Valley Yard – Tower assembly and water staging.
- Plaster City Yard – EP330 dead end work, helicopter operations, loading reels, concrete operations, concrete waste pile relocations, staging for wire stringing, and water staging.
- Rough Acres Yard – Helicopter operations, materials staging, tower assembly, and weed wash station.
- S2 Yard – Tower assembly, water staging, and helicopter operations.
- SWAT Yard – Tower assembly, weed wash station, water staging, and helicopter operations.
- Sycamore Yard – Tower assembly, material delivery, fencing repair, rumble plate installation, BMP maintenance, material staging, and weed wash station.
- Thing Valley Yard – Fence installation and additional BMP installation (rock check dams).
- Wilson Yard – Staging materials for Suncrest Substation, helicopter operations, water staging, and tower assembly.

Wildlife Reporting

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

- California Legless Lizard (*Anniella pulchra*) – Two (2) California legless lizards were found dead; one (1) at EP176 and one (1) at EP141.
- Coast Patch-nosed Snake (*Salvadora hexalepis virgultea*) – One (1) coast patch-nosed snake was found dead at the entrance to Thing Valley Yard.

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

- Coronado Skink (*Plestiodon skiltonianus interparietalis*) – Two (2) Coronado skinks were relocated from the access road to EP176.
- San Diego Coast Horned Lizard (*Phrynosoma coronatum blainvilli*) – Two (2) San Diego coast horned lizards were relocated; one (1) from EP47-2 and one (1) from the access road to EP176.
- California Legless Lizard (*Anniella pulchra*) – Two (2) California legless lizards were relocated; one (1) from EP199 and one (1) from EP131 spur road.
- Beldings Orange-throated Whiptail (*Aspidoscelis hyperythra beldingi*) – One (1) Beldings orange-throated whiptail was relocated from CP49.
- Coast Patch-nosed Snake (*Salvadora hexalepis virgultea*) – Two (2) coast patch-nosed snakes were relocated; one (1) from EP42 pull site and one (1) from Barrett Yard.

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

- Kreuzcamp Yard – One (1) western toad, one (1) western fence lizard, two (2) striped garter snakes, one (1) western red-tailed Gilbert's skink, and two (2) California striped whipsnakes were relocated.
- El Monte Yard – One (1) southern pacific rattlesnake was relocated.
- SWAT Yard – One (1) southern pacific rattlesnake was relocated.
- Barrett Yard – One (1) granite night lizard and one (1) black headed snake were relocated.

Spills/Hazardous Waste

- No recordable spills were reported during this reporting period.

Customer Complaints

- On October 7, 2011, Mrs. Rowley filed a complaint with Public Affairs regarding helicopters carrying external loads over homes at Buckman Springs Road in Campo on October 6 and 7, 2011. Public Affairs notified Overhead and Aviation Managers and it was determined that flights occurred at least ¼ mile from the residence.

Non-Compliances

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

Variations and TEWS

- TEWS #29 – Approved October 3, 2011, for parking and staging at EP301.
- TEWS #30 – Approved October 6, 2011, for parking at Chevron Gas Station.

Weather

- Rain events occurred on October 6, 2011, and October 7, 2011.
 - October 6, 2011
 - JVR, AER, and Fromm Yards, EP239-EP254, and EP255-EP258 – 0.05 inches
 - Rough Acres Yard, EP208-EP220, and EP190-EP207 – 0.04 inches
 - McCain Valley Yard and EP186 – 0.03 inches
 - Thing Valley Yard – 0.44 inches
 - EP125-EP141 and La Posta Road – 0.44 inches
 - Link 4 – 0.75 inches
 - 69kV – rain gauge blew over during storm
 - Hartung Yard – 0.60 inches
 - Sycamore Yard – 0.70 inches
 - CP29-CP31 – 0.55 inches
 - CP44 – 0.40 inches
 - Helix Yard – 0.45 inches
 - Sycamore Substation – 0.80 inches
 - Encina Substation – 0.60 inches
 - October 7, 2011
 - EP34-EP52 and Kreutzcamp Yard – 0.70 inches
 - SWAT Yard – 0.60 inches
 - Bartlett/Hauser Yard – 0.80 inches
 - EP79-EP93 – 0.80 inches
 - Suncrest Substation and Wilson Yard – 0.90 inches
 - Alpine HQ and Storage Yard – 0.75 inches
 - CP98-CP104 – 0.80 inches
 - CP105-CP109 – 0.90 inches
- BMPs were installed or maintained as needed throughout Project areas.



Sky crane installing a section of the tower at CP40-2. *Photo courtesy of Joel Herrmann.*



Relocating a costal patch-nosed snake from EP42 pull site. *Photo courtesy of Andrew Engstrom.*