

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.

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.
- Staked and refreshed work areas at CP98-1, CP99-2, CP100-1, CP101-1, CP102-2, CP104-1, CP105-1, CP106-1, CP107, CP108, CP109-1, EP2-3, EP3-3, EP4-3, EP5-2, EP6-1, EP7-1, EP28-3, EP29-2, EP33-1, EP34-1, EP35-1, EP37-2, EP57-2, EP58-2, EP108-2, EP109-1, EP110-2, EP111-4, EP112-3, EP112A-1, EP120-4, EP120A, EP121-3, EP121A-1, EP122-1, EP123-1, EP124, EP125, EP124/EP125 pull site, EP126-1, EP127, EP128, EP129, EP130-1, EP132-2, EP135, EP136, EP137, EP138-2, EP139-1, EP140, and EP141.
- Guard structure staking at EP53-1 and EP71.
- Set aluminum cap, tower center, RPs, and RTK leg profiles at EP1-3.
- The ESA Team conducted the following activities during this reporting period:
 - Repaired previously installed ESAs at EP194, EP195, EP196, EP197, EP198, and EP201.
 - Installed ESAs on the east and south sides of the Permanent Impact Area (PIA) of EP249, on the edges of the Temporary Impact Area around the entire spur road leading into EP338E pull site and the boundary of the pull site, at EP192, EP193, and EP206, and at EP246 around the entire PIA, TSAP, and footpath linking these two areas.
 - Refreshed/Repaired project signs and previously installed ESAs from EP290 to EP363.
 - Surveyed the spur road leading into EP247 and the SWPL access road fronting EP247 for upcoming installation of two ESAs.

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.

- 8 Archaeological Monitors were present.
 - 85 Biological Monitors were present.
 - 10 Native American Monitors were present.
 - 5 Paleontological Monitors were present.
 - 9 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	50 of 168	17 of 168
Bureau of Land Management	43 of 180	27 of 180
US Forest Service	0 of 76	0 of 76
UNDERGROUND		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	36 of 40	24 of 42
SUBSTATIONS		
1 of 7		

Overhead

- Link 1
 - Grading at the following tower sites:
 - EP290, EP294, EP296, EP326, and EP347.
 - Grading on the spur roads associated with tower sites:
 - EP294, EP326, and EP347.
 - Grading of the existing access road from:
 - EP319 to EP341 and from Dunaway Yard to EP351.
 - Access road development at:
 - EP290 and EP347.
 - Desert pavement stockpiled at the EP347 work site and spur road.
 - Micropile prep work at EP291 and EP315.
 - Micropile drilling at EP305, EP311-1, EP312, EP314, EP317, and EP324.

- Clean up at EP298 and EP299.
- Conventional drilling at EP301, EP302-1, EP303-2, EP306-1, and EP307-1.
- Rebar installation and grounding at EP300-1, EP302-1, EP303-2, EP306-1, and EP307-1.
- Caisson installation and welding at EP239.
- Various foundation work (capping, curing, cage installation, etc.) at EP298, EP299, EP300, EP302, EP305, EP306-1, and EP307-1.
- Concrete pouring at EP300-1, EP301, EP302-1, EP306-1, and EP307-1.
- Form removal and cleanup at EP302-1.
- Steel delivery at EP295.
- Tower assembly at EP316, EP319, EP328, EP341, EP358, EP360, EP361, EP362, and EP363.
- SDG&E QA/QC at EP332, EP333, EP335, EP338, EP348, EP353, EP354, EP355, EP358, and EP359.
- Raven perching deterrents installed on EP358 and EP360.
- BMP crew performed maintenance at the following tower sites:
 - EP227, EP232-1, EP239 (delivered), EP240, EP291 to EP317, EP301PS East and West, EP322/323 pull site, EP323, EP324, EP338/339 pull site, EP333/334 pull site, EP346, EP348/349 pull site, EP348, EP349, EP355/356 pull site, EP355, and EP356.
- BMP crew performed maintenance on the following access roads:
 - EP239, along the SWPL road from EP297 to EP304, and from EP355 to IV Substation.
- Two unanticipated paleontological fossil discoveries were found in the vicinity of EP305 and EP307. Samples were collected and the appropriate agencies were notified in accordance with the approved Paleontological Monitoring and Discovery Treatment Plan.
- Trained FTHL monitors and Visible Emission Evaluators (VEEs) were onsite as required.
- Link 2
 - BMPs were maintained at:
 - EP79, EP87TSAP, and from EP84 to EP87 and EP89-1 to EP93.
- Link 5
 - Micropile drilling at CP23.
 - Micropile site preparation at CP21.
 - Grouting at CP42-1.
 - Cleanup and demobilization at CP20, CP24-1, and CP41-2.
 - Conventional drilling and rebar installation at CP1A, CP2-1, CP20, CP24-1, CP95, and CP96.
 - Concrete poured and grounding installed at CP1A, CP2-1, CP20, CP24-1, and CP95.
 - BMPs were maintained at:
 - CP17-1, CP18-1, CP19-1, CP21, CP22-1, CP24-1, CP25-2, CP26, CP29-1, CP40-2 through CP42-1, CP95-1, and CP96-1.
- 69kV
 - Wire stringing began between Locations #61 and #83 on the TL639.
 - Conductor was replaced between Location #1 and the rack within Sycamore Substation on the TL639. Reframing of poles and installation of rollers between Locations #5 and #7 and Locations #10 and #14 on TL6916.
 - Sagging and clipping from Locations #5 to #25 on the TL6916.
 - Reconductoring from Locations #6 to #48 on the TL6916.

Suncrest Substation

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Installation of permanent drainage system, culverts, and headwalls 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 and eastern portions of the pad to the southern portion of the pad.
- Hauling select fill material to the center of the pad.
- Pier drilling for foundations.
- Constructing forms and pouring concrete for foundation pads.
- Drilling and blasting on the northern section of the pad.
- Installation of fiber rolls for slope stabilization on completed sections of the substation pad.

Underground

- Potholing/Redevelopment/Revitalization from V7R to V8R and at Alpine Boulevard (Alpine Elementary School).
- Trenching from V7R to V8R, V8R to Tavern Road, V9R to V10R, V10L to V11L, V12R to V15R, and V18R to V19R.
- Pre-drilling/drilling near V7R to V8R, V19R to V20R, and the Loritz Property.
- Saw cutting from V7R to V8R, V10L to V11L, Alpine Creek to V11R, V12R to V13R, V14R to V15R, and near Vault 19R and the Loritz Property.
- Pouring of encasement from V14R to V15R.
- Pre-racking manholes for ABB (and jointing/splicing) at V7L, V8L, V9L, V12R, V14R, V18R, and V15L.
- Proofing from V4R to V5R, V6R to V7R, and V9L to V10L.
- Milling and setting plates from V8R to Tavern Road, V9R to V10R, V10L to V11L, V12R to V13R, and V19R to V20R.
- Paving (including prep) near V4R to V5R, V12R to V13R, V14R, and V15R to V16R.
- Cable pulling (and cable testing) from V4L to V5L and V6R to V7R.
- Installing halos at V2R, V3R, V5R, and V13R to V14R.
- Drilling and foundation work at the Loritz Property.
- Grading and dropping off equipment via El Monte Road at Bauer Property (Slay Property).

Substation Upgrades

- San Luis Rey
 - SDG&E underground crew finished pulling the 230 kV line through installed conduit on north side of new transformer.
 - SDG&E relay crew worked on wiring in control house and prepared for underground wiring and Bank 70 to be energized.
 - SDG&E worked on wiring in control house.
 - American Scaffold crew was building scaffolding (which will be used to install potheads and complete terminations) near the newly installed transformer.
 - SDG&E Kearny Mesa construction crew was onsite opening disconnects and working on switching in preparation to put Bank 70 in service.
 - SDG&E Kearny Mesa construction crew worked in Bays 2 and 3 in the 230 kV portion of the yard.
- Encina Switchyard
 - Roel Construction worked on excavating around pads for wire pull boxes, conduit trenches, and transformer pads between Bays 1 through 8 and 8 through 11.

- Roel Construction continued work on the concrete pads for the two new transformers in Bay 11.
- Chula Vista Electric was onsite performing wiring, conduit installation, and grounding under Roel Construction.
- SDG&E crews worked in new control house installing wiring panels and disconnects in Bays 1 through 5.
- SDG&E crews worked between Bays 2 and 3 installing disconnects and wire drops.
- Roel and Alcorn worked on northern fence perimeter of the switchyard.
- Roel Construction was performing demolition on two switch stand pads that were removed from the substation.
- Scripps
 - No construction-related activities occurred during this reporting period.
- Sycamore
 - Roel Construction worked on below grade in both Bays 21 and 26.
 - Roel prepared for pouring concrete in Bay 26.
 - Anderson Drilling drilled 9-foot diameter holes for transmission poles (CP1A and CP2-1) in the northern portion of the substation.
 - Roel poured concrete for the new transmission poles (CP1A and CP2-1).
 - Roel installed wire rebar cage in Bay 26 in preparation for pouring concrete into a switch stand pad.
- Imperial Valley (IV)
 - SDG&E worked on control house wiring in 500kV portion of yard.
 - SDG&E and ETRAM worked on tower assembly.
 - Roel built and installed wildlife ramps in oil containment pit for transformers.

Construction Yards

- Alpine Construction Yard – Materials staging, steel deliveries, and weed maintenance.
- Bartlett-Hauser Yard – Helicopter operations, weed maintenance, and re-grade of access road to yard.
- Dunaway Yard – Wire reel delivery and water supply for dust control.
- Hartung Yard – Tower assembly and prep for large crane demobilization.
- 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.
- Kreutzkamp Yard – Tower assembly and large crane demobilization.
- 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, and tower assembly.
- S2 Yard – Night work--tower assembly and materials deliveries.
- 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 water delivery to water supply pond.

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*) – One (1) California legless lizard was found dead on Alpine Boulevard.
- Two-striped gartersnake (*Thamnophis hammondi*) – One (1) two-striped gartersnake was run over and killed by construction equipment on the access road near Kreutzkamp Yard.

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Six (6) flat-tailed horned lizards were relocated in suitable habitat and away from construction activities; one at EP318, one at EP326, one near the access road at EP347, one at EP353, one near the access road at EP355, and one at EP360.
- Two-striped gartersnake (*Thamnophis hammondi*) – One (1) two-striped gartersnake was relocated from the work area at Kreutzkamp Yard.
- Coronado skink (*Plestiodon skiltonianus interparietalis*) - One (1) Coronado skink was relocated from the work area at Kreutzkamp Yard.

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

- EP2-3/EP3-3/EP4-3 Helipad – One (1) western shovel-nosed snake was relocated.
- EP301 – 1 juvenile zebra-tailed lizard was relocated.
- Plaster City – 1 desert iguana, 2 Colorado desert sidewinders, 1 western banded gecko, and 1 desert shovel-nose snake were relocated from the construction yard.
- S2 Yard – 3 large desert hairy scorpions, 7 spotted leaf-nose snakes, 1 desert iguana, 3 long-tailed brush lizards, 4 Colorado desert sidewinders, one western banded gecko, and 2 desert shovel-nose snakes were relocated from the construction yard.

Spills/Hazardous Waste

- No reportable spills or releases occurred during this reporting period.

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.

Variations and TEWS

- Two temporary extra workspace (TEWS) requests (#20 and #21) were approved for temporary parking at EP314 and EP315, respectively.

Weather

- During this period, no rain events occurred and no precipitation was recorded.
- BMPs were installed or maintained as needed throughout Project areas.



Trenching along Alpine Boulevard. *Photo courtesy of Jeff Smith.*



Suncrest Substation. *Photo courtesy of Mark Meridith.*



Caisson installation at EP239. *Photo courtesy of Erik Strods.*