

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.
- QA/QC was performed for footing staking at CP16-1, CP18-1, CP22-1, CP31-2, and CP100-1.
- Staking occurred at EP8-2, EP9-1, and along the access roads associated with EP125, EP126, EP127, EP130, EP131.
- Work areas were refreshed at EP140, EP141, EP142-1, EP252-1, EP252A-1, EP253-2, EP254-3, EP255-2, EP256, and EP257.
- Vegetation analysis teams conducted surveys at CP56-1, CP59, CP60, CP61, CP62A, CP62-2, CP63-3, CP64-2, CP65-1, CP66, CP67, CP68, CP69-2, and EP43.
- Guard structure and access road staking occurred at EP89-1, EP322/EP323, EP330-1/EP331, and EP341/EP342.
- Boundaries and access to the site were staked at AER Construction Yard.
- The ESA Team conducted the following activities during this reporting period:
 - Installed a T-post and rope ESA buffer across the entrance of the spur road leading into the pull site between EP343 and EP344 on the north side of the SWPL access road.
 - Continued installation of access road signs and “no grading” signs along McCain Valley Road from EP177 to approximately EP192 and from the Y of the Rough Acres Yard and McCain Valley Road (between EP206 and EP205) to EP192.
 - Recorded the installed ESA along the SWPL access road from EP324 to EP326 and the entire footprint of the spur road (EP 325-N) and Temporary Impact Area (TIA) of EP325 as a separate ESA.

- Refreshed or repaired the previously installed signs and ESAs between EP330 and EP363 and placed plastic safety caps on all installed T-posts.
- Installed signs advising all project personnel to contact Sunrise Base before entering the BHS area at the following locations: between EP295/EP 294, at the I-8W pullout area between EP 290/EP 281, at the I-8W radiator fill location # 7, on the access road leading into the I-8 island from Mountain Springs Grade Road, at the entrance to the AER Yard on Old Highway 80, and at the entrance to the Fromm property on Old Highway 80.

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.
 - 12 Archeological Monitors were present
 - 121 Biological Monitors were present
 - 15 Native American Monitors were present
 - 5 Paleontological Monitors were present
 - 10 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	47 of 168	16 of 168
Bureau of Land Management	36 of 180	23 of 180
US Forest Service	0 of 76	0 of 76
UNDERGROUND		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	33 of 40	18 of 42
SUBSTATIONS		
1 of 7		

Overhead

- Link 1
 - Ground resistance testing and drilling were conducted at EP342, EP348, EP350, EP351, EP353, EP355, and EP356.
 - Grading occurred at the following tower sites:
 - EP300-1, EP302-1, EP303-2, EP304, EP305TSAP, EP306-1, EP308, EP309, EP311TSAP, EP317TSAP, EP322/EP323 pull site, EP323TSAP, EP324TSAP, and EP355/EP356 pull site.
 - Grading occurred on the spur roads associated with tower sites:
 - EP302-1, EP303-2, EP304, EP306-1, and EP355/EP356 pull site.
 - Grading of the existing access road occurred on:
 - EP303 to EP306, SWPL access road from the Dunaway Yard to the IV Substation, EP299 to EP312, EP322 pull site, EP323 pull site, and EP330 to EP350.
 - Soil boring occurred at EP301, EP302-1, EP303-2, and EP304.
 - Micropile drilling occurred at EP310, EP311-1, EP312, and EP324.
 - Grouting occurred at EP324.
 - Conventional drilling occurred at EP240, EP295, EP296, and EP297.
 - Rebar installation occurred at EP295, EP296, EP297
 - Caisson installation and welding occurred at EP240.
 - Various foundation work (capping, curing, cage installation, etc.) occurred at EP240, EP295, EP296, and EP297.
 - Concrete pouring occurred at EP296 and EP297.
 - Grounding occurred at EP208, EP295, and EP296.
 - Form removal and cleanup occurred at EP296 and EP297.
 - Equipment removal occurred at EP362 and EP363.
 - Drilling, rebar, concrete, grounding, and cleanup occurred on the Rough Acres test tower, per Variance #19.
 - Steel delivery occurred at EP313 and EP328.
 - Tower assembly occurred at EP329, EP330, EP331, EP333, EP336, EP337, EP338, EP339, EP340, EP345, EP347, EP348, EP349, EP350, EP351, EP352, EP353, EP354, EP355, EP356, EP357, EP358, EP360, EP361, and EP362.
 - Raven perching deterrents were installed at EP346, EP348, EP350, EP352, and EP354.
 - BMP crew performed maintenance at the following tower sites:
 - EP208, EP209, EP210, EP211, EP213, EP214, EP220, EP227, EP232-1, EP243, from EP295 to EP309, EP310 to EP312, EP313/EP314 pull site, EP314, EP317, EP323-1, EP324, EP330 pull site east and west, EP343/EP344 pull site, and EP355/EP356.
 - BMP crew performed maintenance on the following access roads:
 - along the SWPL access road from EP295 to EP312 and EP331 to EP363.
 - Three unanticipated paleontological fossil discoveries were found in the vicinity of EP304, along the access road between EP305 and EP306, and along the access road between EP304 and EP305. 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 from:
 - EP79 to EP93.
 - BMPs were maintained on access roads associated with:
 - EP79 to EP93.
- Link 5
 - Conventional drilling occurred at CP41-2.
 - Rebar was installed and concrete poured at CP40-2 and CP41-2.
 - Grounding was installed at CP40-2.
 - Forms were stripped and cleaned up at CP40-2.
 - Tower assembly occurred at CP19.
 - Dust at CP42-1 was controlled with water.
 - Micropile drilling occurred at CP42-1.
 - Grading occurred on the access road leading to CP20 through CP24.
- 69kV
 - BMPs were refreshed along TL639 from Locations #1 to #85.
 - BMPs were refreshed along TL6916 from Locations #20 to #48.

Suncrest Substation

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Crushing rock for select fill material.
- Hauling material from various sections of the pad to the northeast and southern sections of the pad.
- Hauling select fill material from the center of the pad to the northeast quadrant of the pad.
- Installation of the permanent drainage system in the northeast quadrant of the pad and along Bell Bluff Truck Trail.
- Pier drilling for foundations.
- Constructing forms and pouring concrete for foundation pads.
- Drilling on the southeastern section of the pad with blasts set off in the same locations in the afternoon.

Underground

- Potholing/Redevelopment/Revitalization at V10L and Alpine Boulevard (Alpine Elementary School).
- Excavation at V19R and V20L.
- Transitions (Ins and Outs) at V5R, V14R, and V15R.
- Trenching between V6R to V7R, V9L to V11L, V12R to V13R, and V16R to V17R.
- Pre-drilling/drilling near V10R and V19R to Viejas Creek Bridge.
- Pouring of encasement from V9L to V10L and V16R to V17R.
- Pre-racking manholes for ABB (and cleaning) at V2R, V3R, V8L, V15L, V16L, and V18L.
- Proofing from V2R to V3R, V4L to V5L, and V5R to V6R.
- Milling and setting plates from V4R to V5R, V10L to V11L, V12R to V14R, and V15R to V16R.
- Paving (including prep) near V5R, V12R to V13R, and V15R to V18R.
- Vaults set at V19R.
- Doweling from V12R to V13R.
- Installed halo at V2R, V3R, V4R, V14R, and V15R.
- Grading and foundation work at the Loritz Property.
- Retrieving bore head and backhoe after work on bore and jacking/receiving pits at the Highway 8 bore site (Caltrans bore site).

Substation Upgrades

- San Luis Rey
 - Roel Construction continued to install 230 kV conduit and cable from the new transformer into the 230 kV yard.
 - ROEL crew was building wood frames for concrete to be poured in 230 kV area and clearing away old spoils, hauling away several truck loads of dirt from spoil pile in southwest corner of yard.
 - Vick Ross Masonry crew was building retaining wall behind Bank 70.
 - Koch Armstrong crew was laying asphalt.
 - Additional concrete slurry was poured into the trench to secure conduit and wire pull boxes.
 - SDG&E was working on wiring in control house.
- Encina Switchyard
 - Roel Construction worked on excavating around pads for wire pull boxes and conduit between Bays 1 through 8.
 - Roel trenched between wire pull boxes to install conduit.
 - Chula Vista Electric was onsite performing the wiring, conduit installation, and grounding under Roel Construction.
 - SDG&E crews were working in new control house installing wiring panels.
 - Schmidt Fire Protection was onsite working on water valve testing in western portion of yard.
 - Paul Hanson was onsite working on water valve relocation and piping.
- Scripps
 - No construction-related activities occurred during this reporting period.
- Sycamore
 - Roel Construction was onsite working on below grade in both Bays 21 and 26.
- Imperial Valley (IV)
 - SDG&E was working on control house wiring in 500kV portion of yard.
 - SDG&E worked on tower assembly.

Construction Yards

- Alpine Construction Yard – Materials staging, steel deliveries, and weed maintenance.
- Bartlett-Hauser Yard – Helicopter operations, foundation work staging, tower assembly and QC.
- Dunaway Yard – Helicopter operations and tower assembly and QC.
- Hartung Yard – Monitors on site daily to ensure compliance.
- Helix Yard – Helicopter operations, foundation work staging, and tower assembly and QC.
- IV Sub Yard – Staging dust control water supply for nearby areas only.
- Jacumba Valley Ranch (JVR) Yard – Foundation work staging.
- Kreutzkamp Yard – Tower assembly and QC.
- Plaster City Yard – Helicopter operations, foundation work staging, rumble plates were cleaned, and tower assembly and QC.
- Rough Acres Yard – Helicopter operations, materials staging, steel deliveries, and tower assembly and QC.
- S2 Yard – Rumble plates were cleaned and tower assembly and QC.
- SWAT Yard – Tower assembly and QC.
- Sycamore Yard – Foundation work staging.
- Thomas Yard – Materials staging and steel deliveries.
- Wilson Yard – Staging materials for Suncrest Substation and tower assembly and QC.

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) dead FTHL was found within construction limits on the SWPL access road near EP362 and EP363.
- Brewer's blackbird (*Euphagus cyanocephalus*) – One (1) dead Brewer's blackbird was found dead on a sidewalk at Rough Acres Ranch. The death was not Project related.
- California vole (*Microtus californicus*) – One (1) was found within the right of way and work limits for Link 4/Alpine Boulevard, near Vault 5R.
- Barn owl (*Tyto alba*) – One (1) dead barn owl was found within Kreutzkamp Yard. The death was due to predation

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Three (3) adult FTHLs were relocated; one (1) from EP324, one (1) from EP354, and one (1) from EP355.
- Coast horned lizard (*Phrynosoma blainvillii*) – One (1) coast horned lizard was relocated from the La Posta Truck Trail access road.
- Two-striped garter snake (*Thamnophis hammondi*) – Seven (7) two-striped garter snakes were relocated from Kreutzkamp Yard.

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

- Link 4 – Five Pacific tree frogs were relocated from Vault 19R.
- Dunaway Road Yard – Two western shovel-nosed snakes were relocated from the work area.
- Kreutzkamp Yard – Seven juvenile western toads, four coastal tiger whiptail lizards, and three Baja California chorus frogs were relocated from the work area.
- S2 Yard – One juvenile California kingsnake was relocated from the work area.
- La Posta Truck Trail Access Road – One southwestern speckled rattlesnake was relocated from the work area.

Spills/Hazardous Waste

- A release of approximately 1,000 gallons of potable water by a subcontractor's water delivery truck was reported to the Army Corps of Engineers, State Water Resources Control Board, and California Department of Fish and Game. The release resulted when the truck became stuck in soft sand and the operator removed some of the load from the truck. The truck was off Evan Hewes Highway, ¼ mile west of Painted Gorge Road, Ocotillo, CA 92259. The potable water release reached the Coyote Wash.

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

- Temporary Extra Work Space (TEWS) requests were approved for parking and staging on the SWPL spur roads adjacent to EP294, EP303, EP304, and EP305 (#15) and parking and staging on Mountain Springs Grade Road (#16).

Weather

- During this period, a rain event occurred on Wednesday, July 6. The following cumulative precipitation totals were recorded:
 - EP208 through EP238, 1.45 inches
 - EP239 through EP244, 0.65 of an inch
 - Link 2, 0.3 of an inch
 - Link 3/Suncrest Substation, 0.2 of an inch
 - Link 4/Alpine Boulevard, 0.2 of an inch
 - Link 5, 0.2 of an inch
 - Alpine Headquarters, 0.2 of an inch
 - Alpine Yard, 0.2 of an inch
 - Bartlett Hauser Yard, 0.3 of an inch
 - Jacumba Valley Ranch Yard, 0.65 of an inch
 - Kreutzkamp Yard, 0.1 of an inch
 - Rough Acres, 1.45 inches
 - SWAT Yard, 0.1 of an inch
 - Wilson Yard, 0.2 of an inch
- During this period, a rain event occurred on Thursday, July 7. The following cumulative precipitation totals were recorded:
 - EP239 through EP244, 1.05 of an inch
 - Link 3/Suncrest Substation, trace amount
 - Link 5, trace amount
 - Jacumba Valley Ranch Yard, 1.05 of an inch
- BMPs were installed or maintained as needed throughout Project areas.



Slope stabilization and erosion control at the southwest corner of Suncrest Substation. *Photo courtesy of Mark Meridith.*



The bore head after removal from the CalTrans bore pit (North of Highway 8). *Photo courtesy of Jeff Smith.*



Street sweeping along Alpine Boulevard at Star Valley Road and Loritz driveway. *Photo courtesy of Tina Carter.*