

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 EP18, EP19-1, EP20-2, EP21-1, EP71, EP73-1, EP76-1, EP77, EP78, EP78A, EP79, EP80-1, EP83, EP84, EP87-1, EP102-3, EP102A-1, EP103-2, EP106-3, and EP107-3.
- Sycamore Substation Pole/RP staking at CP1A-1, CP1B, CP1C, and CP2.
- Restoration limits were staked at EP209, EP210, EP211, EP213, EP214, EP215, EP217, EP218, EP219, and EP220.
- Work areas were refreshed at EP293, EP294, EP300, EP301, EP302, EP305, EP306, EP308, EP309, EP310, and EP312.
- The ESA Team conducted the following activities during this reporting period:
 - Sites CP73-2, EP2, EP3, EP4, EP7, EP8-2, EP9-1, EP10-2, EP11-3, EP12-3, EP22, EP23, EP24, EP35, EP36, EP37, and EP141 were reviewed.
 - Repaired, refreshed, and improved previously installed project signs and ESAs from EP290 to 312 and from EP313 to EP363.
 - Examined the Wildlife and Livestock Rain Catchment (Quail Guzzler) located within the Temporary Impact Area (TIA) of EP190-2.

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.

- 14 Archeological Monitors were present
 - 106 Biological Monitors were present
 - 17 Native American Monitors were present
 - 4 Paleontological Monitors were present
 - 11 SWPPP Monitors were present
 - 1 UXO Monitor was 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	43 of 168	9 of 168
Bureau of Land Management	36 of 180	2 of 180
US Forest Service	0 of 76	0 of 76
UNDERGROUND		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	33 of 40	13 of 42
SUBSTATIONS		
1 of 7		

Overhead

- Link 1
 - Ground resistance testing was conducted at EP320-1, EP321-1, EP322-1, EP327, EP330-1, EP335, EP338, EP339, EP340, and EP341.
 - Grading occurred at the following tower sites:
 - EP219-1, EP298, EP299, EP313, EP316-2, EP318-1, EP319, EP320-1, EP321-1, EP326, EP327, EP331, EP342, EP344, EP345, and EP353.
 - Spur roads were graded at:
 - EP298, EP299, EP353, and EP359.
 - Grading of new access roads occurred at:
 - EP297, EP298, EP299, and EP327.
 - Grading of the existing access road occurred on:
 - SWPL access road from EP342-363.
 - Micropile setup at EP324

- Conventional drilling at EP351, EP352, EP353, EP354, EP355, EP357, EP358, and EP362.
- Various foundation work (capping, curing, cage installation, etc.) at, EP342, EP348, EP350, EP351, EP352, EP353, EP354, EP355, EP357, and EP358.
- Concrete pouring at EP351, EP352, EP353, EP354, EP355, EP356, EP357, EP358, and EP362-1.
- Concrete stripping and cleanup at EP313, EP342, EP348, EP350, EP351, EP352, EP353, EP354, EP355, EP357, EP358, EP359, EP360, and EP361.
- Tower assembly at EP211, EP316-2, EP318-1, EP320-1, EP321, EP322, EP327, EP329, EP331, EP332, EP333, EP334, EP335, EP336, EP337, EP338, EP339, EP340, EP341, EP342, EP343, EP344, EP348, EP350, EP356, EP359, and EP360.
- Grounding was installed on EP343, EP351, EP352, EP354, EP355, EP361, EP362-1, and EP363.
- A gate was installed on the access road to EP240.
- Raven perching deterrent was installed on EP344.
- BMP crew performed maintenance at the following tower sites:
 - EP215, EP219-1 (hydromulch), EP220-1 (hydromulch), EP227 TSAP, EP232-1 TSAP, EP253-2, EP295, EP297, EP298, and from EP319 to EP363.
 - Cleaned rumble strips from Dunaway Yard to Helix Yard.
- BMP crew performed maintenance on the following access roads:
 - EP295, EP297, EP298, EP299, between EP290 and EP295, EP298, between EP313 and EP316, EP319, EP331, EP341, and along the SWPL access road between EP342 and EP344, and EP348 and EP353.
- Three unanticipated paleontological fossil discoveries were discovered in the vicinity of EP351, EP353, and EP355. 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.
- Flight test of new Erickson Sky Crane was conducted between Plaster City Yard and EP339.
- Brush removal at EP240.
- Link 2
 - Micropile drilling at EP86-1.
 - Micropile grouting at EP85-2 and EP86-1.
 - Micropile trimming at EP85-2 and EP86-1.
 - Proof/Pull test at EP85-2.
 - Dust generated by helicopter activities at EP85-2 and EP86-1 was controlled with water.
 - BMPs were maintained at:
 - EP79, EP84, EP85, EP87, and from EP89 to EP93.
 - BMPs were maintained on access roads associated with:
 - EP84 and EP85.
- Link 5
 - Micropile drilling at CP42-1.
 - Conventional drilling at CP19-1.
 - Concrete pouring at CP19-1.
 - Grounding at CP19-1.
 - Dust on the access road to CP19-1 was controlled with the use of a water truck.
 - BMPs were maintained at EP87-1 TSAP.
 - BMPs were maintained on access roads associated with CP17-1 through CP26 and CP40-2 through CP42-1.

- 69kV – TL639
 - UPC completed the reconductor of poles from Location #1 to #4.
 - A crew completed maintenance BMPs along the entire alignment of TL639 between Sycamore Substation and Scripps Ranch Substation, Locations #1 through #85.
- 69kV – TL6916
 - A crew completed BMP maintenance at Locations #20 through #48.
 - Troubleshooting of phases (rolling) occurred at Locations #21 and #25.

Suncrest Substation

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Hauling rock and soil from eastern section of the pad to the central and southern portions of the pad.
- Installation of the permanent drainage system in the northwest quadrant of the pad.
- Pier drilling and concrete pouring for foundations.
- Drilling on the eastern section of the pad.
- Construction of soil retention wall in the southern portion of the pad.
- Drilling and blasting on the eastern section of the pad.
- Excavation, construction, and concrete pouring for the box culvert along Bell Bluff Truck Trail.
- Relocating 12kV distribution pole 10 feet along Bell Bluff Truck Trail.

Underground

- Potholing (including verifying conduit) at V7R to V8R, V11R to V13R, V10L, V15R to V19R, and Viejas Creek Bridge.
- Transitions (Ins and Outs) at V5R, V16R, V17R, and V18R.
- Trenching between V2R and V5R, V6R and V8R, V9L and V10L, V12R and V14R, and at V18R.
- Pre-drilling/drilling between V7R and V9R, and at V10L and V19R.
- Pouring of encasement from V2R to V5R.
- Pre-racking manholes for ABB (and cleaning) at V8R, V16L, and V17L.
- Proofing from V8L to V9L.
- Milling and setting plates at V2R to V3R, V5R, V7R, V9L to V10L, V12R to V13R, V15R, and V16R.
- Paving (including prep) near V2R, V3R to V5R, V9L to V10L, V14R, V17R, and V18R.
- Doweling at V13R to V14R.
- Bridge attachment at Viejas Creek Bridge.
- Cable pulling (and testing) from V6L to V8L.
- Jointing (splicing) at V17L.
- Grading at the Loritz Property.
- Striping at Alpine Boulevard.
- Installation of acoustic walls at Bauer Bridge.
- Work on jacking/receiving pits at the Highway 8 bore site (CalTrans bore site).

Substation Upgrades

- San Luis Rey
 - Roel Construction continued to excavate 230kV cable trench and install conduit.
 - Concrete slurry was poured over the conduit inside the trench.
 - Kestrel buffer was cleared by avian biologist.
 - SDG&E continued working on 69kV bus upgrades and disconnect installation in Bays 3 and 4.

- SDG&E wiring crews and material deliveries occurred near the western portion of the yard and control house.
- Encina
 - Roel worked on excavating around pads for wire pull boxes between Bays 8 and 11.
 - Roel trenched between wire pull boxes to install conduit.
 - Roel crews formed and poured concrete at new transformer pad in Bay 11 west.
 - Chula Vista Electric (under contract to Roel) was onsite performing wiring, conduit installation, and grounding.
- Scripps
 - No construction work.
 - Switching work did occur that was Sunrise related.
- Sycamore
 - Roel Construction was onsite working on below grade in Bays 21 and 26.
 - DCX was onsite drilling outside the 69kV bus.
 - SDG&E crews were onsite working on building A-frame structures.
- Imperial Valley (IV)
 - SDG&E was working on control house wiring in 500kV portion of yard.
 - SDG&E worked on tower assembly and moving towers outside of substation.

Construction Yards

- Alpine Construction Yard – Materials staging, steel deliveries, and hand clearing/vegetation maintenance with avian and biological monitors as needed.
- Bartlett-Hauser Yard – Helicopter operations, tower assembly, and QC.
- Dunaway Yard – Access road grading, tower assembly, and QC.
- Hartung Yard – Tower assembly and QC.
- Helix Yard – Helicopter operations, tower assembly, and QC.
- IV Sub Yard – Crew meet-up location. No work occurred at this location during this reporting period; however, dust plumes were observed from off-ROW Border Patrol activity.
- Jacumba Valley Ranch (JVR) Yard – Helicopter operations, final gate installation, tower assembly, BMP maintenance, and QC. Heavy dust plumes were observed from non-Project grading south of the yard.
- Kreuzkamp Yard – Tower assembly and QC.
- Plaster City Yard – Helicopter operations, tower assembly, BMP maintenance, and QC.
- Rough Acres Yard – Helicopter operations, tower assembly, materials staging, and steel deliveries.
- S2 Yard – Tower assembly, BMP maintenance, and QC.
- SWAT Yard – No work occurred at this location during this reporting period.
- Sycamore Yard – Fence installation for the helicopter use area.
- Thomas Yard – Materials staging and steel deliveries.
- Wilson Yard – Helicopter activity, 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*) – Two (2) Flat-tailed horned lizards were found dead: one (1) on the dirt road portion of Dunaway road before the SWPL access road junction and one (1) on the SWPL access road between EP357 and EP358.

- Red diamond rattlesnake (*Crotalus ruber*) – One (1) killed while moving equipment at the Sycamore Yard.
- Late Entry – Scrub jay (*Aphelocoma californica*) – One (1) was found dead in the Rough Acres Yard near the bungalows on June 17, 2011. Not Project related.

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Eleven (11) flat-tailed horned lizards were relocated; three (3) from along the SWPL access road, one (1) from EP355, two (2) from EP360, one (1) from EP349 near the SWPL access road, and five (5) from IV Substation.
- Coast horned lizard (*Phrynosoma coronatum*) – One (1) coast horned lizard was relocated from the Rough Acres Yard.

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

- Bartlett Hauser Yard – Two deer mice were relocated.
- Dunaway Yard – One shovel-nosed snake with an attached egg sack and one scorpion were relocated.
- IV Substation Yard – One northern desert iguana was relocated.
- IV Substation – One sidewinder was relocated.
- Kreuzkamp Yard – Two Baja California coachwhip snakes, one San Diego gopher snake, and one kangaroo rat were relocated.

Spills/Hazardous Waste

- There were no reportable spills or hazardous waste releases 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

- A Temporary Extra Work Space (TEWS) request was approved for the use of an alternative access route to EP240.

Weather

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



Sky crane operations at the Plaster City Yard. *Photos courtesy of Rebecca Carson.*



Underneath Viejas Bridge showing conduit prior to installation of fire retardant blanket. *Photo courtesy of Jeff Smith.*