

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 CP3, CP6-1, CP7, CP8-2, CP9-1, CP13-2, CP14, CP15-1, CP69-2, EP8-2, EP9-1, EP10-2, EP11-3, EP12-3, EP13-3, EP14-1, EP15, EP16, EP17, EP18, EP19-1, EP20-2, EP21-1, along La Posta Road near EP130, EP116-1, EP117-2, EP118-2, EP239-1, EP290, EP291-1, EP292-1, EP315-1, EP325-2, EP326, EP346, and EP347.
- Set and/or verified tower centers and RPs at CP1A-1, CP1B, CP2-1, and CP3.
- Guard structure and access road staking at EP238-1/EP239-1, EP243/EP244, Sugar Load R/R Xing, EP259, EP322-1/EP323-1, EP330-1/EP331, EP281/EP290, EP299/EP300-1, EP303-2/EP304-2, EP341/EP342, EP247/EP248-1, EP251/EP252-1, EP253-2/EP254-3, EP259B/EP261-2, and EP267-2/EP269-1.
- Flagged median road for access to guard structure at EP341.
- Restoration surveys were staked at EP332, EP334, EP335, EP336, EP337, EP338, EP339, EP340, EP343, and EP344.
- Tower Center monument verification from EP348 thru EP360.
- The ESA Team conducted the following activities during this reporting period:
  - Continued installation of access road signs and “no grading” signs at 252A-1, and between EP255-2 and EP261-2.
  - Refreshed or repaired the previously installed signs and ESAs from EP 313 to EP 341, and from EP 233 to the intersection of Desert Rose Ranch Road and Old Highway 80.

- Refreshed and repaired cultural and waterbody ESAs installed throughout the Rough Acres Ranch (RAR) Yard Complex.
- Inspected the previously installed cultural ESA at EP315 and replaced ESA signage.
- Installed a staked footpath from the access road leading into the authorized work space of EP252A-1.
- Installed ESA buffers around the TSAPs for EP280 and EP281 and also installed footpaths leading from the TSAP ESAs to the permanent impact areas (PIA) for these two structure sites.
- Inspected and made repairs as required to the previously installed ESAs while verifying their placement at the “temporary impact areas” limits of the following structure sites: EP290, EP291, EP291E pull site, EP292, EP326, EP346, EP347, and EP325.
- Mapped the graded areas of the spur roads leading into pull sites at EP338E and EP343E.
- Installed an ESA restricting access to the EP 291E pull site.

### 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.
  - 11 Archeological Monitors were present
  - 120 Biological Monitors were present
  - 13 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:

<b>OVERHEAD</b>		
Agency	Foundations Completed	Towers Erected
Non-Federal	47 of 168	17 of 168
Bureau of Land Management	38 of 180	26 of 180
US Forest Service	0 of 76	0 of 76
<b>UNDERGROUND</b>		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	34 of 40	20 of 42
<b>SUBSTATIONS</b>		
1 of 7		

Overhead

- Link 1
  - Trail signs were posted at EP304, EP330, and EP354.
  - Ground resistance testing and drilling at EP316, EP318, EP321, EP331, EP342, EP345, EP348, EP350 to EP357, and EP359.
  - Ground rod installation at EP296, EP297, EP329, EP333, EP357, and EP360.
  - Grading at the following tower sites:
    - EP302-1, EP303-2 crane pads, EP313, and EP322 to EP323.
  - Grading at the following pull sites (PS):
    - EP313/EP314PS, EP322/EP323-1PS, and EP323/EP324PS.
  - Grading on the spur roads associated with tower sites:
    - EP294 and EP303-2.
  - Grading of the existing access road from:
    - EP295 to EP330-1.
  - Driveway installation and grading at the entrance to AER Yard and the access roads to EP255 through EP258.
  - Micropile drilling at EP310, EP311-1, EP312, EP314, EP317, and EP324.
  - Ultimate testing at EP324.
  - Grouting at EP324.
  - Clean up at EP343 and EP355.
  - Conventional drilling at EP240, EP297, EP298, EP299, and EP300-1.
  - Rebar installation and grounding at EP297, EP298, and EP299.
  - Grounding at EP316-2, EP318-1, EP329, EP331, EP333, EP345, EP348, EP350, EP351, and EP352 to EP357.
  - Caisson installation and welding at EP240.
  - Various foundation activities (capping, curing, cage installation, etc.) at EP240, EP295, EP297, EP298, EP300, and EP301.
  - Concrete pouring at EP295, EP297, EP298, EP299, and EP300-1.
  - Form removal at EP295 and EP299.

- Site cleanup at EP297, EP299, EP320, EP331, EP343, and EP355.
- Equipment removed from EP300-1 and mobilized to EP301.
- Tower assembly at EP313, EP316, EP320, EP321, EP322, EP327, EP328, EP330 to EP341, EP343, EP344, EP345, EP348, EP350 to EP355, and EP357 to EP360.
- SDG&E QA/QC at EP208, EP209, EP331, EP332, EP334, EP336, EP337, EP338, EP344, EP345, EP353, and EP354.
- Par QA/QC at EP331, EP332, EP334, EP336, EP343, EP344, EP345, EP348, EP353, EP354, and EP355.
- Raven perching deterrents installed on EP316-2.
- BMP crew performed maintenance at the following sites:
  - EP227, EP232-1, EP294, EP296 to EP363, EP301PS West, EP313/EP314PS, EP317TSAP, EP322/EP232-1PS, EP323-1TSAP, EP324TSAP, EP330PS East and West, EP338/EP339PS, EP343/EP344PS, EP348/EP349PS, and EP355/EP356PS.
- BMP crew performed maintenance on the following access roads:
  - along the SWPL road from EP295 to EP363.
- Rumble plates cleaned and re-set on each side of Painted Gorge Rd, along the SWPL access road between EP316-2 and EP317, and at EP295.
- Three unanticipated paleontological fossil discoveries were found in the vicinity of EP304, EP305, EP311, EP312, and along the access road between EP311 and EP312. 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/from:
    - EP79, EP84 to EP87-1, and EP89-1 to EP93.
  - BMPs were maintained on access roads associated with:
    - EP89-1 to EP93.
- Link 5
  - Micropile drilling at CP23 and CP42-1.
  - Grouting at CP42-1.
  - Cleanup and demobilization at CP42-1.
  - Conventional drilling at CP20 and CP41-2.
  - Rebar installed at CP20.
  - Concrete poured at CP40-2 and CP41-2.
  - Grounding installed at CP20 and CP41-2.
  - Forms stripped and cleaned up at CP41-2.
  - Equipment demobilized from CP41-2
  - Tower assembly at CP22-1.
  - Grading on the access road leading to CP20 through CP24.
  - BMPs were maintained from/at:
    - CP17-1 through CP26, CP29-1, and CP40 through CP42.
- 69kV
  - Pole set at Location #7 of the TL639.
  - Conductor replaced between Location #1 and Sycamore Substation on the TL639.
  - Sag checked and frame measurements taken between Locations #5 and #25 on the TL6916.
  - Wire dead-ended at Location #43 on the TL6916.
  - Poles reframed and rollers installed between Locations #5 and #7 and between Locations #10 and #14 on the TL6916.
  - BMPs refreshed along TL6916 from Locations #1 to #19.

- Unexploded ordnance was discovered while reframing on TL6919 on July 16, 2011. The appropriate parties were notified and the ordnance was removed from the worksite.

#### Suncrest Substation

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Crushing rock for select fill material.
- Installation of the permanent drainage system and culverts along Bell Bluff Truck Trail.
- Pouring concrete for headwalls along Bell Bluff Truck Trail.
- Hauling rock and soil from the northern and eastern portions of the pad to the southern portion of the pad.
- Hauling select fill material from the center of the pad to the northeast quadrant of the pad.
- Pier drilling for foundations.
- Constructing forms and pouring concrete for foundation pads.
- Drilling on the eastern section of the pad with blasts set off in the afternoon in the eastern and western sections of the pad.
- Installation of fiber rolls for slope stabilization on completed sections of the substation pad.

#### Underground

- Potholing/Redevelopment/Revitalization at Tavern Road and Alpine Boulevard (Alpine Elementary School).
- Excavation at V11R and V20R.
- Transitions (Ins and Outs) at V14R.
- Trenching between V4R to V5R, V6R to V8R, V10L to V11L, and V12R to V16R.
- Pre-drilling/drilling near V8R, V19R, and V20R.
- Saw cutting at Tavern Road.
- Pouring of encasement from V14R to V17R.
- Pre-racking manholes for ABB (and jointing/splicing) at V5R, V7R, V8L, V13R, V15R, V15L, and V18L.
- Proofing from V2R to V3R, V4L to V5L, and V6R to V7R.
- Milling and setting plates from V6R to V8R, V10L to V11L, V14R to V16R,
- Paving (including prep) near V6R to V7R, V9R to V10R, and V15R to V17R.
- Vaults set at V20R.
- Cable pulling (and cable testing) from V4L to V6L.
- Grading and foundation work at the Loritz Property.
- Demobilizing at the Highway 8 bore site (Caltrans bore site).
- Vegetation clearing at Viejas Creek Bridge.
- Dropping off equipment via El Monte Road at Bauer Bridge.
- BMP maintenance at the Bauer Bridge.

#### Substation Upgrades

- San Luis Rey
  - Roel Construction finished the 230 kV conduit installation and prepared for cable to be pulled through conduit.
  - SDG&E was working on wiring in control house and preparing for underground wiring work.
  - SDG&E Kearny Mesa construction crew was onsite opening disconnects and working on switching in preparation to put Bank 70 in service.
- Encina Switchyard
  - Roel Construction worked on excavating around pads for wire pull boxes and conduit

- between Bays 1 through 8.
- Roel Construction continued work on the concrete pads for the two new transformers in Bay 11.
- 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.
- 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 was onsite working on below grade in both Bays 21 and 26.
  - Roel was installing wire rebar cages near 69kV rack.
  - DCX was onsite drilling holes in Bay 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, weed maintenance, tower assembly, and QC.
- Dunaway Yard – Helicopter operations.
- Hartung Yard – Tower assembly and QC.
- Helix Yard – Helicopter operations.
- 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, tower assembly, and QC.
- Rough Acres Yard – Helicopter operations, materials staging, steel deliveries, tower assembly, and QC.
- S2 Yard – Night work, tower assembly, and QC.
- SWAT Yard – Tower assembly and QC.
- Sycamore Yard – Helicopter operations and foundation work staging.
- Thomas Yard – Materials staging and steel deliveries.
- Wilson Yard – Staging materials for Suncrest Substation, 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*) – Three dead flat-tailed horned lizards were found; one on the spur road to EP355, one on the SWPL access road between EP345 and EP348, and one on the SWPL access road between EP345 and EP344.
- Barn owl (*Tyto alba*) – One barn owl was found dead at the Sycamore Substation.
- Brown pelican (*Pelecanus occidentalis*) – Two brown pelicans were found dead at the Imperial Valley Substation.
- Red diamond rattlesnake (*Crotalus ruber ruber*) – One (1) red diamond rattlesnake was found on the access road to CP23-CP24. It appeared to have been run over by a vehicle.

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Fourteen (14) flat-tailed horned lizards were relocated; one from the EP322/EP323PS spur road, two from EP345, one 1000 feet west of the SWPL access road between EP346 and EP347, two from EP352, one from EP353 spur road, two 500 feet northeast of EP354, one 500 feet from the SWPL access road near EP355, one from EP358, two from EP359, and one 500 feet from Imperial Valley Substation.

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

- Link 1 – 5 desert iguanas were relocated from the spur road to EP294 and 1 desert horned lizard was relocated from EP300-1 during drilling.
- Link 4 – Three (3) southern pacific rattlesnakes relocated, two from Vault 20R and one from Viejas Creek Bridge.
- Kreuzkamp Yard – 4 Baja California chorus frogs, 1 western toad, and one Southwest speckled rattlesnake relocated from the project limits, 1 Southern Pacific rattlesnake was relocated from the access road, and 4 western toads were relocated from the drain trap of the noxious weed wash station within the yard.
- Plaster City – 3 desert iguanas, 1 desert sidewinder snake, and 1 long-tailed brush lizard were relocated from the work area.
- Rough Acres – 1 red racer snake was relocated from the work area.
- Sycamore Estates – 1 western fence lizard was relocated from the work area.
- S2 Yard – 2 sidewinders, 1 Colorado desert sidewinder, 2 western shovel-nosed snakes, 1 spotted leaf-nosed snake, 1 California kingsnake, 2 Colorado desert shovel-nosed snakes, 1 scorpion, 1 desert horned lizard, 3 kangaroo mice, and 2 long-tailed brush lizards were relocated from the work area.
- IV Substation – 1 shovel-nosed snake was relocated.

### 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

- Variance Request #18 was approved on July 14, 2011, for the gates in Jacumba. Of the six gates proposed, Gate #4 was not approved due to cultural reasons and an alternative location is in the planning stages.
- Three TEWS (#17, #18, and #19) were approved for extra Project parking along four existing access roads into the TL 6917 to provide additional parking during construction at CP20, CP24 (two sites), and CP29.

## Weather

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



Flat-tailed horned lizard found basking in the sun and relocated. *Photo courtesy of Jared Taylor.*





Southern Pacific Rattlesnake being released off ROW, Link 4 near Viejas Creek Bridge. *Photo courtesy of Jeff Smith.*



Crew salvaging desert pavement for restoration after Project completion. *Photo courtesy of Jennifer Kaminsky.*



Mobile fire/spill response cart used when a fire box is not near work activities. *Photo by Mark Meridith.*



Receiving bore pit showing completed bore. *Photo courtesy of Jeff Smith.*



Micropile grouting at CP42-1. *Photo courtesy of Rosina Gallego.*