

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 and PBS 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.

Pre/Post Construction

- Avian biologists surveyed for nesting birds prior to work commencing in inactive areas. For sites off of USFS lands, the results of those surveys were submitted to the CPUC/BLM biologist for review and concurrence. For USFS lands, the results of those surveys were submitted to the USFS for review and concurrence. For any active nests found, a buffer was established and no construction activities were permitted within the buffer area without consultation with the CPUC/BLM/USFS biologist. Active nests were mapped and monitored for success or failure and updated on the nest monitoring log.
- Staked, flagged, and refreshed work areas near EP9-1, EP10-2, and EP11-3.
- Surveyed existing grounding rod locations near EP89-1, EP90-1, EP91, EP95, EP96, EP113-5, EP209, and EP210.
- Surveyed revised grading design for CP98/CP96 access road.
- Verified jumper clearance near EP254-3 and EP255-2.
- Verified metal post type for possible grounding near CP19-1, CP20, and EP112-3.
- Topographic surveys near EP112A-1 and EP113-5.
- Additional signs and stakes were repaired as needed. Due to traffic and narrow access roads, broken stakes and run over signs were replaced. Maintenance (e.g., writing over faded signs, reinforcing signs/stakes in the ground, replacing zip ties, and adding additional signs) was performed as needed. The ESA Team conducted the following activities during this reporting period:
 - Repaired, refreshed, replaced, and maintained the previously installed project signs and ESAs from EP57 to EP67, EP77, EP78, EP103-2, Wilson Yard, McCain Valley Road, and Bartlett Yard.

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



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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:

- 116 Biological monitors.
 - 2 Archaeological monitors.
 - 2 Native American 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	169 of 169	156 of 169	124 of 169
Bureau of Land Management	179 of 179	155 of 179	138 of 179
Miramar	14 of 14	14 of 14	11 of 14
U.S. Forest Service	76 of 76	36 of 76	17 of 76
UNDERGROUND			
Agency	Vaults Installed	Trenches Excavated & Backfilled	
Non-Federal	40 of 40	42 of 42	
SUBSTATION UPGRADES			
3 of 7 Completed			
SUNCREST SUBSTATION			
100 Percent Complete			

Overhead Construction

- Link 1
 - Vegetation maintenance at EP177 and from EP183 to EP186-1.
 - Final grading from EP182-N, EP186-1, EP186-1-N, EP187-2-N, and EP187-2-E-B.
 - Micropile capping work at EP148, EP225-1, EP231A, EP232-1 to EP238-1, EP246, EP249-1, EP252A-1, EP253-2, and EP254-3.
 - Tower assembly at EP144 and from EP148-1 to EP151.
 - Tower QA/QC at EP147, EP150, EP221-2, EP221A, EP223-1, EP224-1, and EP226-1.
 - Ground resistance testing at EP149-1.
 - Jumper installation at EP198-3 and EP200-3.
 - OPGW replaced from EP219-1 to EP220-1.
 - Grounded fence at EP215 regen site.
 - Splicing at EP187-2, EP219-1, EP220-1, EP236-1, EP244, EP254-3, and EP255-2.
 - Fiber training at EP219-1 and EP220-1.
 - Marker ball installation from EP219-1 to EP220-1.
 - Cleanup at EP198-3 and EP199-3.
 - BMP maintenance at:
 - EP144 to EP148-1, EP150, EP152-2, EP170 to EP179, EP174-E to EP189-3-N, EP194-3, EP196-2 to EP209-1 (including pull site and guard structure), EP201-3-E to EP205-2-E, EP211, EP213 to EP215 (including pull site and guard structure), EP217-1 to EP221A (including pull site and guard structure), EP223-1 to EP231-1 (including pull site), EP233-1 to EP238-1 (including pull site), EP240 to EP248-1 (including guard structure), and EP250 to EP255-2 (including pull site and guard structure).
 - Hydromulching at EP314, EP315-1, EP317, and EP348/EP349 pull site.
- Link 2
 - During this reporting period, the PAL levels were as follows: Monday-C, Tuesday-A, Wednesday-C, Thursday-B, 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 maintenance at EP127 and EP130-1.
- Access road construction/maintenance at EP9-1-N, EP11-3-N, EP23-2-E, EP74-1-E, and EP127-N to EP130-1-N.
- Arroyo toad fence maintenance at EP49 to EP68, EP49-E to EP51-1-N, EP52-1-N, EP52-1-E, EP53-3-E-A, EP66-E, EP67-E, EP67-N, EP68-E, and EP68-N.
- Fence grounding at EP127, EP130-1, and EP131.
- Boulder busting at GS-NF-14.
- Micropile drilling, grouting, and pull testing at EP21-1.
- Micropile capping work at EP4-3, EP5-2, EP7-1, EP8-2, EP10-2, EP25-2, EP33-1, EP34-1, EP35-1, EP37-2, EP57-2, EP58-2, and EP120A.
- Tower assembly at EP1-3, EP2-3, EP3-3, EP6-1, EP7-1, EP8-2, EP9-1, EP10-2, EP12-3, EP28-2, EP29-2, EP36-1, EP58, EP62A-1, EP120A, EP121A-1, EP142-1, and EP143-1.
- QA/QC at EP2-3, EP3-3, EP8-2, EP9-1, EP10-2, EP11-3, and EP12-3.
- Ground rod installation at EP125, EP126-1, and EP127.
- Ground resistance testing from EP1-4 to EP7-1.
- Insulator work at EP9-1, EP9-1 pull site, EP11-3, and EP12-3.
- Guard structure installation at GS-USFS-2.
- Spacer installation between EP139-1 and EP141.
- Dead-end work at EP140-1 and EP141.

- Equipment demobilization and cleanup from EP132-2.
- Pole replacement work near EP62A-1.
- BMP maintenance at:
 - EP4-3, EP5-2, EP8-2, EP9-1, EP9-1 pull site, EP11-3-N, EP11-3 to EP18, EP20-2, EP22-1 to EP24-1 (including pull sites and guard structures), EP58-2, EP58-2-E to EP67-N, EP110-2, EP112-3 to EP116-1 (including pull sites), EP117-2, EP118-2, EP120-4 to EP127, EP125-N to EP141-N, EP129 to EP131, EP130-1 pull site, EP140-1, GS-USFS-2, GS-USFS-3, and GS-USFS-4.

BLM Land

- Access road construction/maintenance at EP72-E, EP73-1-E-B, and EP75-2-E-A.
- Arroyo toad fence maintenance at EP49 to EP68, EP49-E to EP51-1-N, EP52-1-N, EP52-1-E, EP53-3-E-A, EP66-E, EP67-E, EP67-N, EP68-E, and EP68-N.
- Micropile grouting at EP56-4.
- Micropile pull testing at EP41, EP48, and EP50.
- Micropile capping work at EP40-1, EP41, EP56-4, EP69, EP70, EP71, EP72, EP73, and EP76-2.
- Tower assembly at EP49, EP76, EP102A-1, and EP103-2.
- Concrete blocks set at EP102A-1.
- BMP installation/maintenance at:
 - EP39-1 to EP42 (including pull site), EP47 pull site, EP47-2-PS-N to EP67-N, EP49 to EP51, EP63, EP68, EP71 to EP74-1, EP75-2-N, EP75-2-E-A, EP75-2-E-B, EP94 to EP103A, EP101-2 pull site, EP103-2-N, and EP103A-1-N.

Non-Federal Land

- Vegetation maintenance at EP67 pull sites.
- Grading at EP78/EP78A pull site and EP91 pull site west.
- Gate installation at EP78-E and EP84-E.
- Grounded fences between EP89-1 and EP90-1.
- Grounded roads at EP54-E and EP56-4-E.
- Arroyo toad fence maintenance at EP49 to EP68, EP49-E to EP51-1-N, EP52-1-N, EP52-1-E, EP53-3-E-A, EP66-E, EP67-E, EP67-N, EP68-E, and EP68-N.
- Micropile pull test at EP52-1.
- Micropile foundation work at EP56-4.
- Micropile capping work at EP31-1, EP41, EP52, EP62A-1, EP78, EP78A, EP80, and EP82.
- Tower assembly at EP1-3, EP25-2, EP30-2 pull site, EP62A-1, EP77, EP80, EP81, EP82, EP83, and EP87-1.
- QA/QC at EP78A and EP79.
- Ground resistance testing at EP78, EP78A, EP80, and EP82.
- Wire pull prep between EP83 pull site south and EP89-1 pull site east.
- Sock line pulled on C phase from EP83 to EP89-1.
- Hard line and conductor flown from EP83 to EP89-1.
- Clipping in and sagging began from EP83 to EP89-1.
- Wire pull prep from EP78A to EP83.
- Sock line, hard line, and conductor flown for A and B phases from EP78A to EP83.
- Conductor flown for C phase from EP78A to EP83.
- Sagging and clipping began from EP78A to EP83.
- Snubs installed at EP78/EP78A pull site.
- Pole replacement work near EP62A-1.
- BMP installation/maintenance at:

- EP1-3, EP26-1, EP30-2, EP30-2 pull site, EP31-1, EP32-1, EP47-2 pull site, EP47-2-PS-N to EP52-1-N, EP47-2-PS-N to EP67-N, EP54-1, EP54-1 pull site, EP62A-1, EP64 to EP67, EP78/EP78A pull site, EP78A, EP79, EP81, EP89-1, EP91 to EP93 (including pull sites), EP104-2, EP104-2-N, EP105-2-N, EP105-2, EP106-3, EP107-3, EP119-2, and GS-NF-18.
- Link 5
 - During this reporting period, the PAL levels were as follows: Monday-C, Tuesday-A, Wednesday-C, Thursday-B, 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 installation/maintenance at CP100-1-N.
- Grounded fences at CP99-2 and CP100-1.
- BMP maintenance at CP99-2 and CP100-1.

BLM Land

- Cleanup at CP58-1.
- BMP installation/maintenance from CP58 to CP62A.

Non-Federal Land

- Access road installation/maintenance from CP98-N-B to CP99-N.
- Hard line and conductor flown on west phases from CP31-2 to CP43-1.
- Clipping in and sagging from CP31-2 to CP43-1.
- OPGW pulled from CP31-2 to CP43-1.
- OPGW clipping in from CP31-2 to CP43-1.
- Marker ball installation from CP37-2 to CP40-2 and CP43-1 to CP49-1.
- Dead-end work from CP40-2 to CP43-1.
- OPGW clipped in from CP40-2 to CP43-1.
- Damper work from CP43-1 to CP49-1.
- Splicing at CP55.
- Cleanup at CP43-1 to CP49-1, CP51-2, CP53-1, CP81-1, and CP83.
- BMP installation and maintenance at:
 - CP21, CP22-1, CP24-1 to CP31-2 (including pull sites and guard structures), CP32-2 to CP33A, EP35-2, EP36-1, CP43-1 pull site north, CP45-1 to CP49-1, CP49-1-PS-N to CP56-1-PS-E-B, CP55, CP56-1, CP62-2, CP80-2 to CP85-1, CP86, CP95-1, CP96-1, CP98-1, CP109-1, GS-NF-4, GS-NF-6, GS-NF-7, GS-NF-2, GS-NF-3, and GS-NF-5.

Miramar

- Access road construction/maintenance at CP6-1, CP7, CP10, and CP11-1.
- Final grade and restoration at CP6-1.
- BMP installation and maintenance at CP2, CP3, CP6-1, CP7, CP9-1, CP10, CP11-1, and CP12-1.

69kV

- No work occurred during this reporting period.

Underground Construction (Link 4)

- Revitalization – Alpine Blvd.
- BMP maintenance.



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- Work inside MH4 and V20L.
- Racking inside V11L and V12L.
- Testing – Loritz and Slay properties.
- Cooling system work at the boresite.

Suncrest Substation Construction (Link 3)

- Work inside the control shelter.
- Interior mechanical work on the warehouse.
- BMP removal and clean-up along Bell Bluff Truck Trail.
- Wiring and testing at the shunt capacitor.
- Electrical testing on the series capacitor.
- Placement of rip rap at culvert outlet below wall #3.

Substation Upgrades

San Luis Rey:

- No Sunrise-related work. Bird sweeps/surveys are ongoing to identify and deter nest building.

Encina:

- SDG&E relay and wiring crews performing wiring near the control house.
- SDG&E circuit breaker crews working on circuit breakers between Bays 1 and 7.
- Henkels and McCoy construction crew working on wiring change over on tower 13804.

Scripps:

- No Sunrise-related work.

Pomerado:

- No Sunrise-related work. Schedule postponed. Bird sweeps/surveys are ongoing to identify and deter nest building.

Sycamore:

- SDG&E crews working on wiring around the control house.
- Optima Construction crew working with SDG&E on newly installed telecommunications tower just outside northeast corner of control room.
- SDG&E construction crews working on wiring from 69kV rack to Bank 70/71 transformers and preparing for wire pull into substation.

Imperial Valley:

- No Sunrise-related work.

Construction Yards

- Sycamore Yard – Dust suppression, helicopter operations, water staging, weed abatement, and staging for road, vegetation maintenance, and driveway crews.
- Helix Yard – Helicopter operations, weed wash station, dust suppression, and staging for assembly, assembly clean up, wire, BMP, and QC crews.
- El Monte Yard – No activity.
- Alpine Yard – Equipment/Materials staging, water staging, dust suppression, weed wash station, and staging for road, driveway, gate, and BMP crews.
- Wilson Yard – Helicopter operations, dust suppression, tower assembly, and staging for assembly,

- wire, QC, and erection crews.
- SWAT Yard – Water staging, helicopter operations, dust suppression, weed wash station, tower assembly, weed maintenance, and staging for micropile, erection, road, hauling, QC, wire, and BMP crews.
 - Barrett Canyon Yard – No activity.
 - Kreutzkamp Yard – Helicopter operations, weed wash station, water staging, dust suppression, weed abatement, and staging for micropile, road, toad survey, and BMP crews.
 - Bartlett-Hauser Yard – Water staging, helicopter operations, weed wash station, dust suppression, weed treatment, tower assembly, and staging for micropile, wire, erection, road, QC, and BMP crews.
 - Thing Valley Yard – Helicopter operations, water staging, dust suppression, tower assembly, hauling steel to yard, and staging for micropile and vegetation maintenance crews.
 - McCain Valley Yard – Helicopter operations, water staging, dust suppression, tower assembly, and staging for erection crews.
 - Rough Acres Yard – Helicopter operations, water staging, dust suppression, tower assembly, material hauling and staging, weed wash station, and staging for erection, QC, hauling, road, wire, conventional foundation, micropile, survey, and BMP crews.
 - Jacumba Valley Ranch (JVR) Yard – Helicopter operations, weed wash station, water staging, dust suppression, and staging for QC crews.

Wildlife Reporting

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

- No listed or Species of Special Concern were found dead in Project construction limits during this reporting period.

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

- Red Diamond Rattlesnake (*Crotalus ruber*) – Three (3) red diamond rattlesnakes were relocated; one (1) from CP95-1/CP96-1, one (1) from EP66, and one (1) from EP62A-1.
- Two-striped Garter Snake (*Thamnophis hammondi*) – One (1) two-striped garter snake was relocated from Kreutzkamp Yard.

Spills/Hazardous Waste

- No reportable spills occurred during this reporting period.

Customer Complaints

- No customer complaints were received during this reporting period.

Non-Compliances

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

Variations and TEWS

- Variance #41 was approved on April 27, 2012, for improvements to a private driveway.
- TEWS #36 was approved on April 26, 2012, for temporary use of access road EP11-3-N.

Weather

- Rain events occurred from April 24, 2012, to April 27, 2012.
 - Post-storm totals for April 26, 2012
 - Suncrest Substation – 0.60 inches
 - Underground – 0.50 inches
 - CP101 to CP109 and Wilson Yard – 0.60 inches
 - CP3 to CP24 and Sycamore Yard – 0.35 inches
 - CP25 to CP36 – 0.40 inches
 - CP37 to CP53 – 0.65 inches
 - CP54 to CP70, Helix Yard, CP71 to CP86, and CP98 to CP100 – 0.50 inches
 - Encina Substation – 0.50 inches
 - Post storm totals for April 27, 2012
 - Rough Acres Yard – 0.20 inches
 - JVR Yard – 0.10 inches
 - Bartlett Hauser Yard and EP71 to EP119 – 0.60 inches
 - EP2 to EP42 and SWAT Yard – 0.75 inches
 - EP43 to EP73 and Kreutzkamp Yard – 0.60 inches
 - Alpine HQ and Alpine Storage Yard – 0.65 inches
- BMPs were installed or maintained as needed throughout Project areas. In accordance with the Construction General Permit (CGP), daily site BMP inspections, and photos, appropriate BMPs for stormwater and non-stormwater were implemented. Any sites requiring repairs began within 72 hours of identification.



Planting cactus segments at S2 Yard. *(Photo courtesy of Jim Prine)*