





INFORMATIONAL BOARD LETTER


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SUBJECT: Power System Monthly Report – July 2024

POWER CONSTRUCTION AND MAINTENANCE DIVISION

Industrial Station 6508

On July 2, 2024, Electrical Construction (EC) placed in service a new outdoor pad mount Industrial Station 6508, which feeds the Bel-Air Country Club. A coordinated effort by EC, Distribution Construction and Maintenance (DCM), Test and Technical Services Station Test, and Fleet got the station done in four days. This station consists of a Vista, installed by DCM, and a 5MVA transformer installed by EC, which supplies 4160 volts to the customer. The challenges of this project were maneuvering the 100-ton crane and the low boy into position without damaging the course and controlling pedestrian traffic (golfers) who wanted to watch the work.



POWER SYSTEM CONTRACTS AND EXTERNAL GENERATION DIVISION

JFB Renovation and Modernization Project

On July 1, 2024, an Executive Directive (ED) No. 4 Alternate Delivery Ordinance package was prepared. Concurrently, the ED 4 package is being reviewed by the City Attorney's Office. The consultant's cost estimate (\$843.5 million) has come in 40 percent higher than LADWP's 2022 estimate (\$598 million). These deviations are common as the scope continues to be refined over time. The cost increase can be attributed to higher demolition costs to remove historic elements and added mechanical and electrical build-out of the information technology network scope.

POWER DISTRIBUTION AUTOMATION AND COMMUNICATIONS

Innovation and Data Analytics

Innovation and Data Analytics worked with Distribution Automation (DA) stakeholders to complete the construction and installation of DA communication network devices at Receiving Station G, Distribution Station (DS) 36, and DS 93.

POWER FUEL AND PURCHASED POWER

Energy Reconciliation Group

Energy Reconciliation estimates the Wholesale Energy Resource Management's (WERM) energy marketing activities have provided \$2.9 million of net benefit for the Department in May 2024. About \$2.2M of this net benefit was attained by participation in the Western Energy Imbalance Market. Bilateral trading accounted for about \$700,000 of the net benefit.

Energy Reconciliation made several updates to the WERM intranet website in July. A new page was added to view third-party meter data from utility-scale renewable facilities. The new renewable facility, Eland1, was added to several pages to incorporate its contribution to the generation portfolio. The net energy for load details page was updated to show accurate meter data used to calculate the generation and interchange needed to serve LADWP's load. Finally, the Daily Plan page allows the users to view historical day-ahead generation plans. The WERM intranet website helps communicate useful analytics for other LADWP groups.

POWER NEW BUSINESS AND ELECTRIFICATION (PNBE)

Service Planning and Customer Support

The Service Planning and Customer Support Section completed 110 service commitments in July 2024 and completed the design of 69 Construction Work Packages (CWPs). The completed CWPs breakdown is as follows: Metro East Service Planning – 15 CWPs; Metro West Service Planning – 25 CWPs; Valley Service Planning – 20 CWPs, and Affordable Housing (AH100) projects – 9 CWPs.

POWER ENGINEERING DIVISION

Substation Engineering and Technical Services

On July 9, 2024, Geology/Geotechnical Group completed the first phase of the geotechnical field investigation, initiated on June 11, 2024, for the Perimeter Wall Project at Receiving Station-Rinaldi. Two Hollow Stem Auger (HSA) borings were drilled by the Los Angeles Department of General Services Drilling Unit between July 3 and 9 which, along with three HSA borings completed in the previous month, concludes the first phase of 5 HSA borings. Laboratory test results from collected soil samples will be utilized to develop foundation recommendations for the perimeter wall foundation system. The second phase of the investigation will take place beyond the existing station limits within the adjacent Water System's Van Norman Complex and initiate once the layout of the perimeter wall is finalized. The wall is part of the Substation Physical Protection and Security program to maintain substation reliability and increase risk management through the construction of physical protections.



Hollow Stem Auger Drilling at RS- Rinaldi

POWER SYSTEM PLANNING DIVISION

Interconnection Requests and Queue Management

Burbank Water and Power submitted two long-term firm point-to-point transmission service requests for 25 megawatts (MW) and 15 MW, respectively, from LADWP's system to Toluca for a duration of 25 years with a service start date of January 1, 2026. Transmission Assets Management (TAM) is currently evaluating the request to offer transmission service subject to the availability of Available Transmission Capability. TAM received four Large Generator Interconnection Requests since June 2024 that have been formally added to LADWP's Large Generator Interconnection Queue.

POWER SYSTEM SAFETY AND TRAINING GROUP

Steam Plant Assistant (SPA) Training Program

There are 24 active SPAs in the Training Program. The training staff administered an advisory exam on July 10, 2024. Ten of the applicants passed and will be graduating from the program. Six graduated on July 29, 2024, and the remaining candidates will graduate once they reach the minimum time-based requirement. The SPA exam for a new list was administered the week of May 29, 2024, and exam results are expected in August. Scheduling of the next class depends on obtaining the availability of the new list.

POWER TRANSMISSION AND DISTRIBUTION DIVISION

Electric Trouble

Electric Trouble Dispatching processed 17,236 calls through the Outage Management System. There were 67 full or partial primary circuit outages affecting 58,068 consumers. The average duration of these primary outages lasted five hours and three minutes, with (97.3 percent) of the consumers being restored within 24 hours. Of those, 67 full or partial primary circuit outages (24) were a direct result of Mylar balloons. Of the 24 incidents, 19 affected the 4.8 kiloVolt (kV) system and five affected the 34.5kv system. Combined total - 20,324: breakdown - 19,503 4.8kV customers and 821 34.5kV Industrial Station consumers were affected with the average outage duration time of one hour 47 minutes.

There were 113 transformer outages that affected 6635 customers, mostly in Northridge, Winnetka, Hollywood Hills West, Sylmar, and Reseda. The average outage duration time was 6 hours and 42 minutes.