

INFORMATIONAL BOARD LETTER


David Hanson (Dec 24, 2024 09:03 PST)

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DATE: December 20, 2024

SUBJECT: Power System Monthly Report – November 2024

POWER ADVANCED TECHNOLOGIES INFRASTRUCTURE DIVISION

Infrastructure Upgrades to Enhance Network Security

Staff completed software upgrades on 16 Multiprotocol Label Switching Juniper routers to provide the latest patches for security and performance improvement and replaced 2 network switches to resolve disruptions to the Electric Trouble Board internet, phone, and radio systems.

POWER CONSTRUCTION AND MAINTENANCE DIVISION

New Customer Station Industrial Station (IS)-7002

On November 21, 2024, Electrical Construction completed and declared “OK for Service” a new Customer Station IS-7002, located at 3625 South Grand Avenue. This project involved coordination between Electrical Construction, Customer Station Design, Station Test, Metering, and Power Transmission & Distribution groups.



POWER CAPITAL PROJECTS AND EXTERNAL GENERATION DIVISION

Scattergood Generating Station Modernization Project

The project is progressing with Environmental Affairs permitting work as it relates to the California Environmental Quality Act, air permits, and water compliance permits. The Request for Proposal was advertised on November 13, 2024. The Draft Environmental Impact Report (EIR) was published on October 31. A public outreach meeting regarding the Draft EIR was held on November 20.

POWER ENGINEERING DIVISION

Generating Station and Facilities Electrical Engineering (GSFEE)

On November 18, 2024, the scheduled inspection and repair (SIR) on Castaic Power Plant Unit 6 was completed and the unit was returned to service. During SIR, GSFEE inspected the generator and found three partial discharge (PD) damaged spots on the stator's upper-end windings. GSFEE collaborated with the Electrical Repair Services crew to address the PD issue and prevent recurrence in the future. The unit was successfully returned to service as scheduled.

POWER FUEL AND PURCHASED POWER GROUP

Emerging Markets and Energy Settlements

The California Independent System Operator (CAISO) reported \$10.8 million of benefits for LADWP's participation in the Western Energy Imbalance Market (WEIM) for November 2024. This brings our total WEIM reported benefit to \$386 million. LADWP's WEIM Operations performance remained in the upper quartile of WEIM participants. As part of the resource sufficiency test performed for each WEIM entity prior to the real-time market being run, LADWP passed 99.89 percent of the balancing tests and 100 percent of the bid-range capacity tests in November. Additionally, power balance constraint infeasibilities for under- and over-supply conditions were minimal for the LADWP balancing authority area with 0.07 percent of the total intervals in the Fifteen-Minute Market and 0.84 percent of the total intervals in the Five-Minute Market real-time dispatch for the month of November. LADWP passed 99.72 percent of the upward flexible ramping sufficiency tests and 100 percent of its downward flexible ramping sufficiency tests for the same period.

POWER NEW BUSINESS AND ELECTRIFICATION DIVISION

Solar Design Group

LADWP broke ground and started construction at the Artesian Yard for the installation of a solar carport and electric vehicle chargers. When completed in February 2026, the project will provide 980 kiloWatt of solar generation to the LADWP grid, along with 82 Level 2 chargers and 7 direct current fast chargers.

POWER SUPPLY OPERATIONS DIVISION

Haynes Generating Station

The facility reached a significant milestone with respect to aging infrastructure. On November 16, LADWP personnel and the Subsea Global specialty diving services contractor successfully completed the removal of the structurally compromised Units 1 and 2 pipe utility bridge and temporary support materials. The project lasted nearly 19 months from the initial discovery that the pipe utility bridge, originally constructed in the early 1960s, had experienced cracks that were indicative that it had lost most of its structural integrity until the final removal of the materials used to temporarily support the bridge. LADWP Environmental Affairs team worked with the Office of Emergency Management to support the facility in securing the emergency permits with the California Coastal Commission and Army Corps of Engineers to temporarily stabilize the bridge, remove and abate all hazardous materials, remove the compromised bridge spans, and remove the concrete materials used to stabilize the bridge along with restoration of the water channel embankment to pre-project conditions.

POWER SYSTEM PLANNING DIVISION

Distribution Planning and Resource Development

Distribution Planning issued a system plan to add four-line positions and a 160 megavolt-amperes rack at Receiving Station (RS)-C to meet the 2030 Port of Los Angeles (POLA) electrification timeline. Additionally, a request to swap the Preferred/Alternate circuits at critical POLA terminal industrial stations was issued to mitigate the impact of direct or indirect outages on the RS-Q Rack B network circuits.

POWER SYSTEM SAFETY DIVISION

Staff responded to 2 incidents involving injured employees and delivered 5 Fall Safety presentations across various groups within the Power System.

POWER SYSTEM TRAINING DIVISION

There are 8 active classes with the Electric Distribution Mechanic Training Center (EDMTC), Class 66 through Class 73. EDMTC continues to provide after-hours training on Wednesday nights for trainees and has an “open call” for outside linemen. There are 17 active classes with the Electrical Mechanic Training Center (EMTC), 5 classes in the classroom and 11 classes with various field rotations. Performance Exam testing with the City of Los Angeles Personnel group occurred in November to establish the next list of candidates for the EMT program. The Operator Training Center has 37 active trainees in the Training Program amongst 5 classes. The Electric Meter Setter Training Program has 2 classes totaling 9 active trainees. The Underground Distribution Construction Mechanic Training Program has 3 active classes with 16 trainees. The Line Maintenance Assistant Training Program currently has 1 class of 6 active trainees.

There are 18 active Steam Plant Assistants in this training program. Interviews were held in November to select candidates for the next class targeted to start January 13, 2025. The New Engineering Associate Training (NEAT) Program currently has 202 active trainees distributed across 9 training cohorts. NEAT Class 30 is projected to commence in January-February 2025, with 30 trainees.

POWER TRANSMISSION AND DISTRIBUTION DIVISION

Overhead Transmission

There was one incident of Mylar balloons stuck in overhead transmission lines requiring removal. There were two relays on the Transmission circuits, both due to fires burning under/near to the lines. There was no permanent damage to LADWP structures. Crews performed stringing work at RS-J using their new Catch-Block system which allowed the station to remain energized. Right-of-Way (ROW) crews addressed numerous complaints of trash on the ROWs. ROW Crews also removed 37 tons of trash from our ROWs at a cost of \$3527.05.

