

INFORMATIONAL BOARD LETTER

  
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**DATE:** April 21, 2025

**SUBJECT:** Power System Monthly Report – February 2025

**POWER ADVANCED TECHNOLOGIES INFRASTRUCTURE DIVISION (PATI)**

Eland Solar to Energy Control Center (ECC) Telecommunications Circuit Cutover  
PATI completed the cutover of an existing Back up Automatic Generation Control circuit from an AT&T private network to LADWP's Microwave Transport System. This cutover is to improve circuit reliability to the ECC and personnel response times during an outage.

**POWER CAPITAL PROJECTS AND EXTERNAL GENERATION DIVISION**

Barren Ridge – Haskell Line 1 Upgrade Project

This project was successfully placed into service on February 21, 2025. The scope of the project included replacing 51 miles of existing conductor between Barren Ridge and Haskell Switching Stations with higher capacity conductor. Upgraded steel lattice structures and concrete foundations were installed to accommodate the new, heavier conductor. The line's capacity is now more than double its historic value, allowing LADWP to increase renewable generation in the area and improve overall system reliability. Site restoration and project closeout efforts remain ongoing.



Tower 241: Reconductoring of the Middle Phase



Tower 210: Member Modifications

## **POWER CONSTRUCTION AND MAINTENANCE DIVISION**

### **Industrial Station-1577, 1625 West Olympic Boulevard (Curacao Building): Urgent Transformer Replacement**

On February 10, 2025, Power Construction and Maintenance (PCM), Electrical Station Maintenance was notified that Industrial Station-1577 had blown fuses. PCM, Test and Technical Services Station Test group verified the transformer had failed internally. A replacement transformer was procured through LADWP transformer stores, and PCM crews successfully completed the transformer replacement to maintain system reliability to the customer.



## **POWER ENGINEERING DIVISION**

### **Generating Station and Facilities Electrical Engineering (GSFEE)**

On February 11, 2025, GSFEE coordinated the installation of the repaired diesel fuel tank for the emergency generator at Beacon Battery Storage System (BESS). The fuel tank was repaired when the second containment tank reported a leak. GSFEE coordinated with operations, maintenance, fleet, and station test to not only reinstall the generator onto the fuel tank, but also successfully confirm operation of the emergency generator. The emergency generator is a critical piece of equipment for the Beacon BESS as it provides power for the cooling of 13 lithium-ion battery containers in the event of a station service power outage.



## **POWER FUEL AND PURCHASED POWER GROUP**

### Wholesale Energy Resource Management

There were eleven days in February 2025 of significant renewable energy curtailments due to the following factors: 1) Pumping restrictions at Castaic including request from California Department of Water Resources to maintain water elevations between 2564-2568 feet, 2) Low loads due to mild winter temperatures, and 3) Significant solar generation

## **POWER NEW BUSINESS AND ELECTRIFICATION DIVISION (PNBE)**

### Executive Directive No. 1

As part of the ongoing efforts toward achieving the 100 Percent Affordable Housing (AH100) goal, PNBE has successfully completed 24 Project Powerhouse service designs, which will support a total of 1,637 housing units. Additionally, two Construction Work Packages have been finalized. A key milestone was the energizing of the Montecito II Senior Housing on February 7, 2025. This project, closely monitored by the Mayor's Office, brought an essential 5-story, 64-unit all-inclusive senior housing facility online that will greatly benefit the greater Los Angeles community.

## **POWER SUPPLY OPERATIONS DIVISION**

### Extra High Voltage Stations

On February 27, 2025, at the McCullough Switching Station, the Fire Protection group, along with the contractor, made repairs to the fire hydrant system, resolving potential non-compliance of Boulder City Fire Code. Fire Protection also completed quarterly regulatory inspection and testing. All work is completed with systems normal.

## **POWER SYSTEM PLANNING DIVISION**

### Resource Development

On February 14, 2025, the Eland 1 Solar and Storage Center Project received final certification from the California Energy Commission, qualifying it for California's Renewables Portfolio Standard.

## **POWER SYSTEM TRAINING DIVISION**

Power System Training has a student body of 619, 5.30 trainees all in various stages of training curriculum and development. The Truesdale Training Center (TTC) continues to provide after-hours training on Wednesday nights for trainees and LADWP employees.

There are 8 active classes with the Electric Distribution Mechanic Training Center (EDMTC), with a new class beginning on March 10, 2025. There are 17 active classes totaling 192 trainees with the Electrical Mechanic Training Center (EMTC). Four classes are in the classroom and the remainder are on field rotations. A new EMT will begin on March 10, 2025. The Operator Training Center (OTC) has 24 active trainees in the

program distributed amongst 4 classes. Eleven of these trainees are currently in the classroom. The Electric Meter Setter (EMS) Training Program has 1 class totaling 7 active trainees all involved with training in the field. The Underground Distribution Construction Mechanic (UDCM) Training Program has 4 active classes with 25 trainees, with a new class beginning on March 25, 2025. The Line Maintenance Assistant (LMA) Training Program currently has 1 active trainee awaiting permanent placement. There are 33 active Steam Plant Assistants (SPAs) in this training program. The New Engineering Associate Training (NEAT) Program currently has 217 active trainees distributed across 10 training cohorts.

## **POWER TRANSMISSION AND DISTRIBUTION DIVISION**

### Electric Trouble

Electric Trouble Dispatching processed 17,279 calls through the Outage Management System. There were 83 full or partial primary circuit outages affecting 83,324 consumers. The average duration of these primary outages lasted 5 hours and 33 minutes with 96.5 percent of the consumers being restored within 24 hours. Of those 83 full or partial primary circuit outages, 11 were a direct result of Mylar balloons, all affecting the 4.8kv system. Combined total (16,466): breakdown (16,466) 4.8kiloVolt (kV) customers and (0) 34.5kv Industrial Station customers were affected with the average outage duration time of 2 hours and 50 minutes. There were 85 transformer outages that affected 1,937 customers for an average of 17 hours and 13 minutes mostly in Pacific Palisades, Florence, Granada Hills, Valley Glen, and Lincoln Heights.