



## INFORMATIONAL BOARD LETTER

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Aram Benyamin (Jul 31, 2024 13:24 EDT)

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Chief Executive Officer and Chief Engineer

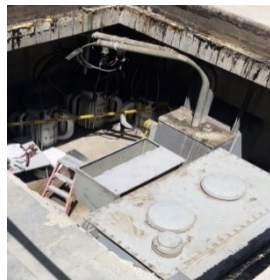
**DATE:** July 15, 2024

**SUBJECT:** Power System Monthly Report – May 2024

### **POWER CONSTRUCTION AND MAINTENANCE DIVISION**

#### Industrial Station 1873: Transformer Replacement

On May 4, 2024, Electrical Station Maintenance (ESM) replaced a failed transformer and cutover from temporary power installed by the Electric Trouble during the storm season back to the normal feed. ESM coordinated work with multiple groups, and the equipment and station have been restored to normal.



## **POWER CONTRACTS AND EXTERNAL GENERATION DIVISION**

### **Capital Projects Valley Units 1-4 Demolition Project**

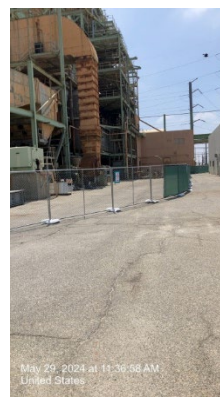
Silverado-Pankow Joint Venture (SPJV) delivered project trailers to the site and established the demolition boundaries. SPJV subcontractor Geotechnical Professionals, Inc. completed soil borings and infiltration testing. SPJV subcontractor Bayview has begun Asbestos Abatement of Unit 4 in preparation for the installation of personnel hoists.



Soil boring.



Asbestos abatement 3-stage shower installation.



Sectioning off asbestos abatement area.

## **POWER ENGINEERING DIVISION**

### **Generating Stations and Facilities Mechanical Engineering (GSFME)**

From May 5 through May 18, GSFME, together with Emerson and Haynes Generating Station personnel, completed the Emerson Ovation Distributed Control System Upgrade for Haynes Generating Station, Units 11 through 16. The upgrade installed new redundant controllers, power supplies, network switches and workstations. This included successfully restoring historical operation data that was previously lost and recovered to the Ovation System. Additionally, a new cybersecurity system was installed, previously shared between Units 8 through 10 and Units 11 through 16, but now established as a separate system. GSFME coordinated and worked with the vendor, Emerson, and the instrument shop to implement the upgrade, troubleshoot, and commission the system.

## **POWER FUEL AND PURCHASED POWER DIVISION**

### **Western Energy Imbalance Market (WEIM) Participation**

The California Independent System Operator (CAISO) reported \$15.1 million of benefits for LADWP's participation in the Western Energy Imbalance Market (WEIM) for April 2024. This takes our total WEIM reported benefit to \$331 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 99.06 percent of the balancing tests and 99.97 percent of the bid-range capacity tests in May. Additionally, power balance constraint infeasibilities for under and over-supply conditions were minimal for the LADWP balancing authority area, with 0 percent of the total intervals in the Fifteen-Minute Market and 0 percent of the total intervals in the Five-Minute Market real-time dispatch for May 2024. LADWP passed 99.87 percent of the upward flexible ramping sufficiency tests and 100 percent of its downward flexible ramping sufficiency tests for the same period. WEIM has 22 market participants that serve nearly 80 percent of electricity demand in the western United States, WEIM will continue to provide increased reliability and environmental gains through the real-time transfer of energy. We are continuing to work with CAISO's team on market enhancements and in the development of the CAISO Extended Day-Ahead Market through their stakeholder process. The meter interrogation system continues to be developed as part of the Bulk Electric System Meter Policy.

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

### **Service Planning and Customer Support**

The Service Planning and Customer Support Section completed 97 service commitments in May 2024 and completed the design of 40 Construction Work Packages (CWPs). The completed CWPs breakdown by district is Metro East Service Planning – 11 CWPs; Metro West Service Planning – 24 CWPs; and Valley Service Planning – 5 CWPs.

## **POWER SUPPLY OPERATIONS DIVISION**

### **Energy Control Center Peak Load**

Monthly Peak Loading - On May 15, 2024, the Net Power for Load reached 3041 megawatts (MW). This is 2600 MW lower than the all-time peak load for the month of May, which was 5641 MW and occurred on May 14, 2014.

### **Castaic Power Plant (CPP)**

On May 11, following a 12-day forced outage, repairs to the failed gear oil pump for the Turbine Shutoff Valve on Unit 1 at CPP were completed, and the unit returned to service. This work is necessary to ensure the generating units continue meeting the needs of the Power System.

## **POWER SYSTEM PLANNING DIVISION**

### **Distribution Planning and Resource Development Distribution System Planning**

A Fund Transfer Agreement was recently executed between the California Department of Transportation (Caltrans) and the City of Los Angeles (City) through LADWP for the Los Angeles "Grow the Grid" Program. The Agreement appropriated \$2.5 million from the State General Fund to Caltrans to be allocated to the City. Staff has identified projects under its Downtown Los Angeles Grid Expansion initiatives that will utilize the

grant funds to enhance electrical capacity and reliability for future growth and development.

## **POWER SYSTEM SAFETY AND TRAINING GROUP**

### **Electrical Mechanic Training Center (EMTC)**

The EMTC has 158 active trainees in the Training Program assigned to 13 different classes. Four classes were assigned to the EMTC for various semesters of classroom and lab training. Nine classes were assigned to various field rotations in Electrical Station Maintenance, Electrical Station Construction, Water Electric System, and Generation for On-The-Job training. EMTC is working with the Los Angeles Personnel Department in hiring the next two classes (15 per class, 30 total) of Electrical Mechanic Trainees with a scheduled start date of July 15, 2024. Up to 24 Journey Level Electric Mechanics and other employees are attending the Annual Refresher Courses 2024 (ARC 2024) at the EMTC on a weekly basis. Hot Worker Refresher and respirator fit testing have begun in conjunction with ARC 2024 for those who are qualified/required. LADWP employees participated in after-hours tutoring working on oil processing, motor controls, welding, AC theory, basic math, nomenclature, station overview/power flow, and Authorized Person curriculum.

## **POWER TRANSMISSION AND DISTRIBUTION DIVISION**

### **Electric Trouble**

Electric Trouble Dispatching processed 11,920 calls through the Outage Management System. There were 56 full or partial primary circuit outages affecting 53,671 consumers. The average duration of these primary outages lasted 7 hours and 55 minutes, with (95.5 percent) of the consumers being restored within 24 hours. Of those 56 full or partial primary circuit outages, 30 were a direct result of Mylar balloons. Of the 30 incidents, 26 affected the 4.8kv system, and 4 affected the 34.5kv system. Combined total (17,951): breakdown (17,928) 4.8kv customers and (23) 34.5kv IS consumers were affected with an average outage duration time of 59 minutes.

There were 33 transformer outages that affected 337 customers, mostly in Hollywood, Lincoln Heights, Sherman Oaks, Reseda, and Exposition Park. The average outage duration time was 14 hours.