

# Zero Emission Bus (ZEB) Program Quarterly Update

VEHICLE ENGINEERING & ACQUISITION



**Metro**

Operations, Safety, and Customer Experience Committee

January 16, 2025

# ZEB Infrastructure Updates (since September 2024)



## Harbor Gateway Transit Center

- Chargers tested and commissioned, and operator training completed. To be complete spring 2025.

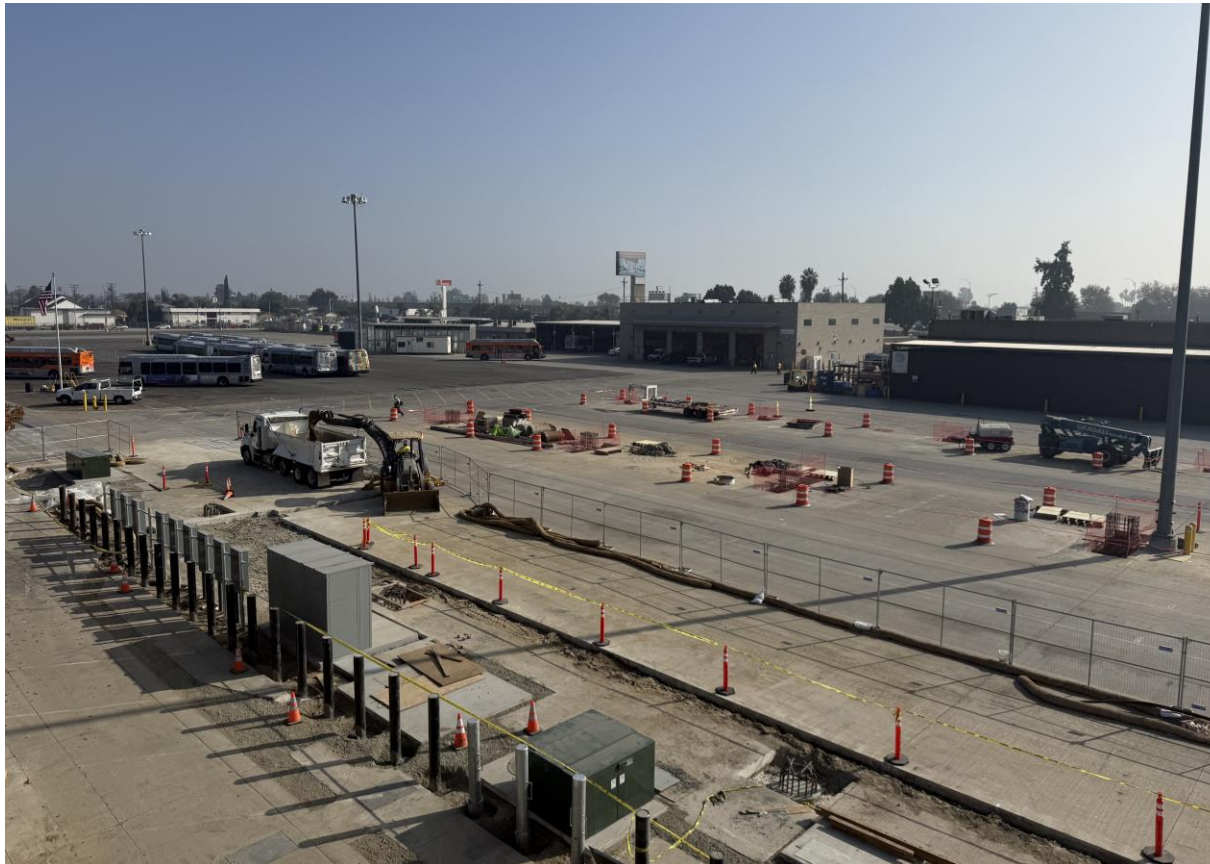


Photo: Progress at Division 9

## Division 9

- Civil work began in Oct. Bus yard foundations installed. To be complete spring 2026.

## Division 18 & 7

- Solicitation to be released for industry review in January
- Anticipated PDBOM delivery method

## Enroute Charging Equipment

- Nine LADWP service requests submitted for sites to support North San Fernando Valley (NSFV), North Hollywood to Pasadena BRT, and other lines
- Open procurement for charging equipment
- Base order quantity of (14) chargers and three option quantities of (20) each.

# Bus Acquisition and Grant Updates (since September 2024)



## Active Bus Acquisitions

- Regional procurement proposals due February 27, 2025
- BYD to deliver 6-8 buses per month through November 2025

## Recent Grant Applications

- TIRCP ZEB proposal was not awarded.
- Submitted **CTC Local Partnerships Program** application for \$24.9 million to fund up to 34 buses for Division 7. More than half of communities served by division are DACs.
- Preparing \$2 million request to **Regional Infrastructure Accelerator** program to fund advanced prelim engineering, planning, and regional shared charging strategy activities.



Photo: BYD K9MD bus

# Systemwide ZEBs and Charging Equipment in Service



## ZEBs in Operation (more than 5 million service miles to date)

- (40) 40-foot New Flyer buses on the G Line
- (5) 60-foot BYD buses
- (8) 40-foot BYD buses

## Depot Charging Equipment

- **Division 1** (5) 50kW
- **Division 2** (5) 50kW
- **Division 3** (5) 50kW
- **Division 8** (10) 150kW
- **Division 9** (2) 50kW
- **Division 15** (5) 50kW\*\*
- **Division 18** (6) 50kW
- **CMF** (2) 50kW

## Enroute Charging Equipment

- **HGTC** (5) 450kW; (3) 360kW\*\*
- **NHTC** (4) 450kW
- **Chatsworth Station** (2) 600kW
- **Canoga Station** (2) 600kW
- **AMC** (6) 360kW

\*\*Denotes equipment installed since September



Photo: First charging session at HGTC

# ZEB Program Continuing Activities Over Next Quarter



## Upcoming project activities

- Construction at Division 9 and El Monte Transit Center to continue throughout 2025.
- Receive feedback from Division 18 & 7 industry review and incorporate as appropriate into RFP, which will be released in spring 2025.
- Initiate utility service requests for Divisions 13 & 5 and submit by summer 2025.
- Anticipate first two G Line replacement chargers will be installed, tested, and commissioned in spring 2025.

THANK YOU

