



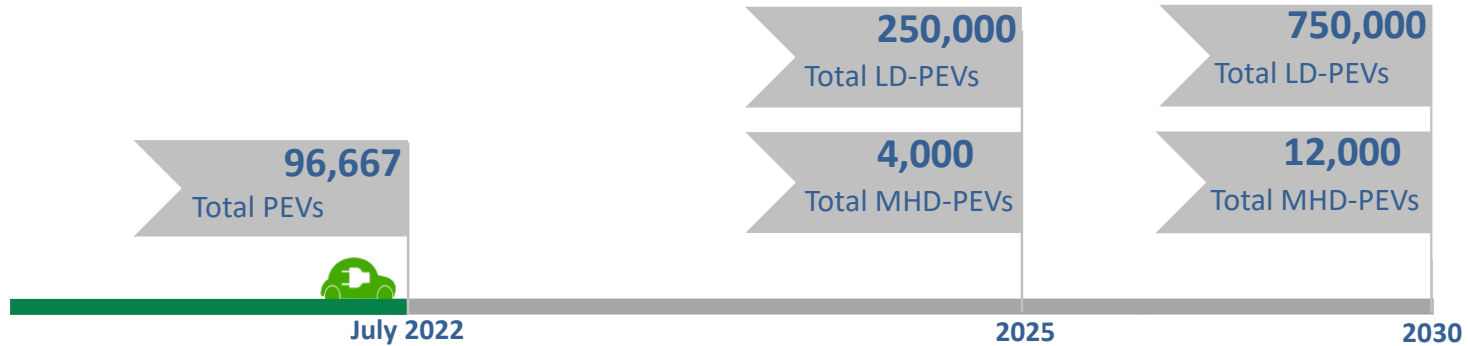
Electrification Transportation

September 26, 2022

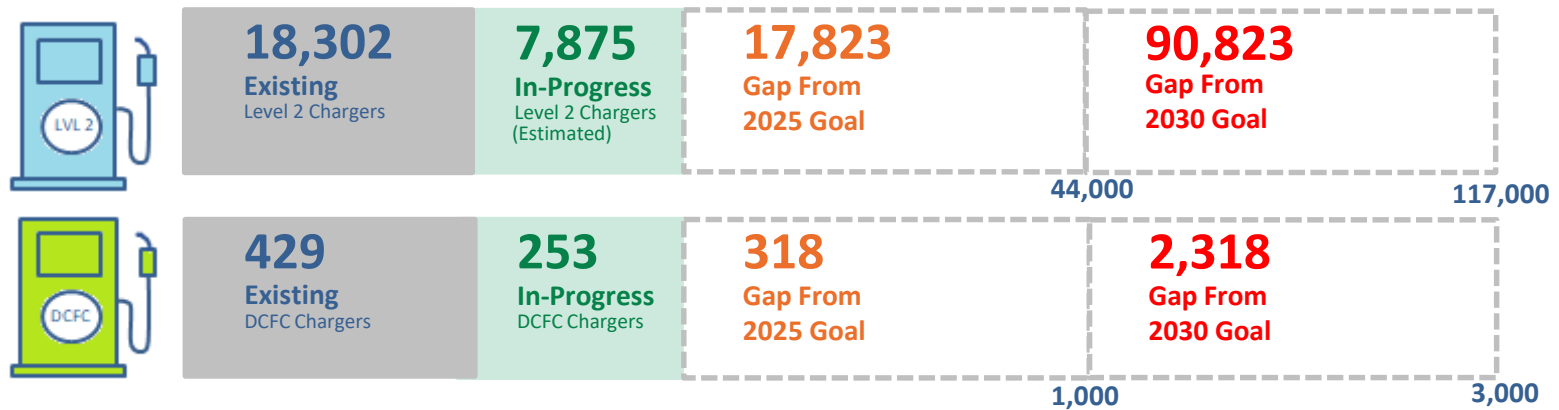
Infrastructure LA – EV Panel

EV Adoption Goals & Infrastructure Needs

Vehicles



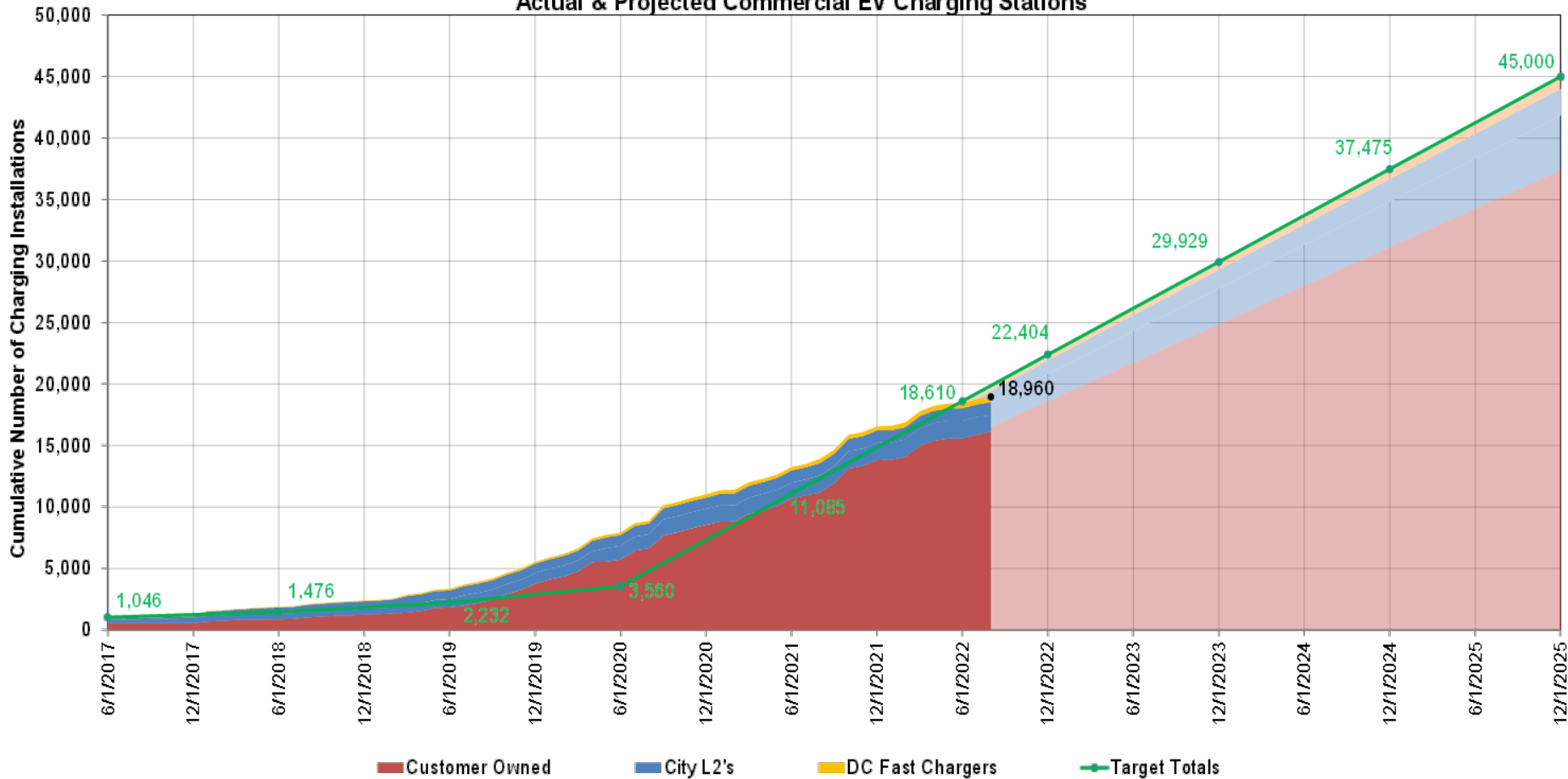
Infrastructure



LD-PEV: Light Duty Plug-in Electric Vehicle
MHD-PEV: Medium and Heavy Duty Plug-in Electric Vehicle
DCFC: Direct Current Fast Charger

45,000 Charging Stations by 2025

Actual & Projected Commercial EV Charging Stations



LADOT BlueLA Electric Car Sharing

Electric Car Sharing

BlueLA powered by Blink Mobility, a subsidiary of Blink Charging, is a community station-based, all-electric car sharing service in Los Angeles. The mission is to make electric vehicles available to anyone over 18 years of age with a valid driver's license.

Membership Types



Community Membership

Available to income-qualified members to access the program's full EV Rental at a reduced \$1 per month and reduced usage fees.



Standard Membership

Only \$5 per month, the Standard membership unlocks access to full EV rental fleet with low usage fees.

Program Details

200

L2 Charging Stations

40

Citywide Locations

61

Electric Vehicles



LADOT BlueLA Electric Car Sharing

Blue LA Phase II

Agreement Terms

Signed October 2021

- Additional 200 Vehicles
- Additional 300 Charging Stations at 60 locations
- Term Date: April 2025
- Funding: \$4,290,000
 - CARB
 - \$900K - Operational Cost for Expansion
 - \$500K - Marketing Advertising and Promotions
 - \$400K - Utilization Incentive Plan
 - LADWP
 - \$2.4M - EVSE Funding
 - \$90K - Customer fees



Collaboration with City Agencies - LADOT

Los Angeles Department of Transportation (LADOT) BlueLA MOU

Executed: January 2022, Term: 3 years

DCFC Plaza

- (4) DCFC, up to \$75,000 per charging station- \$300,000

Library Installations

- (21) Level 2 charging stations, up to \$5,000 per station- \$105,000

LADOT Charging Infrastructure

- (300) Level 2 charging stations, up to \$8,000 per station- \$2,400,000
- (60) LADWP EV Service Design Feasibility studies, \$1,500 per feasibility study- \$90,000
- Total Funding Amount Not to Exceed \$2,895,000



LADOT Bus Electrification MOU

Executed: June 2021, Term: 3 years

- Tier 1 DCFC: \$50,000
- Tier 2 DCFC: \$60,000
- AC1/ 2 MDHD: \$30,000
- Total Funding Amount Not to Exceed \$10,000,000

Collaboration with City Agencies - LAGSD

Los Angeles General Services Division (GSD) MOU executed:
August 2021, Term: 3 years

- Will support over 30 projects across City of L.A.
- GSD supported over 100 charging stations at City Hall (2018 MOU)

Fleet

- Tier 1 DCFC: \$40,000
- Tier 2 DCFC: \$60,000
- Level 2: \$4,000

Public

- Tier 1 DCFC: \$55,000
- Tier 2 DCFC: \$75,000
- Level 2: \$8,000

Employee

- Level 2: \$6,000

Total Funding Amount Not to Exceed \$4,500,000

Resiliency MOU with GSD approved by LADWP Board in August

- Includes option for DWP to install separately-metered, GSD-owned EV chargers or make-ready infrastructure



Collaboration with City Agencies - Upcoming

Finalizing MOU with LA Sanitation & Environment

Execution Expected Fall 2022, Term: 3 years

- Funding for AC & DC Fast Charging Stations
- 56 Light-duty, 18 Medium-duty, and 16 Heavy-duty Vehicles
- Total Funding Amount Not to Exceed \$3,000,000



Recreation and Parks Resiliency MOU

Authorized: March 2020, Term: 30 years

- Green Meadows Grid Resiliency Project
 - 2-Level 2 and 2-DC Fast Chargers by LADWP
- Potential for Additional Projects by executing LOAs

LA Zoo Resiliency MOU

Authorized: August 2022, Term: 30 years

- Options for EV Charger Installations or Make-Ready Infrastructure Installations by LADWP
- Potential for up to 100 Level 2 and 25 DC Fast Chargers

Coordination with LA Metro

Metro's current electrification focus is on Bus Rapid Transit (BRT)

G (Orange) Line Electrification

LADWP has rebated \$500,000 for 4 zero-emission bus chargers

\$750,000 has been reserved for an additional 6 chargers under construction

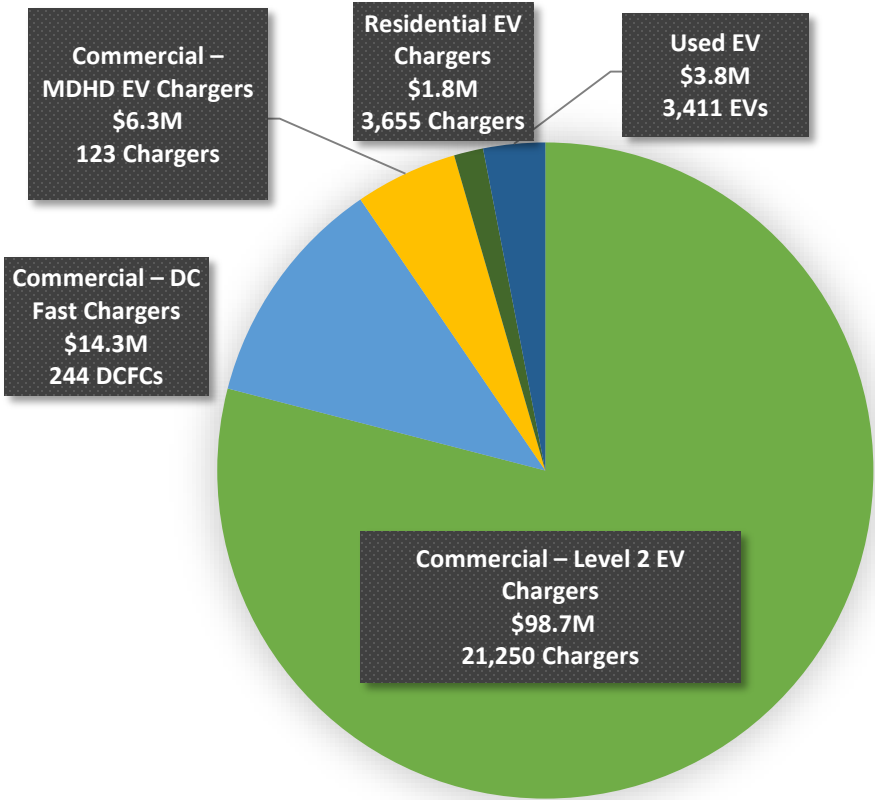
Harbor Gateway

5 heavy-duty 450kW chargers currently under development



North Hollywood On-Route
Inverted Pantograph Charger

Charge Up L.A.! Rebate Programs Applications



Since 2019
LADWP has offered
\$125 Million
In EV Rebates

EV Rebates Funding Sum FY 19-20 to date (\$M)

Thank You!