

General Services Department (GSD)

EV Fleet and EV Charger Program



Where We Started



EV Charging Infrastructure Program

- ▶ Established by Mayor and Council in 2017 (CF 14-0079-S2)
- ▶ Started this program from the ground up with a \$100,000 grant from AQMD, and two positions that were added to the program two years later
- ▶ Over the last five years: Installed 350 EV chargers
 - 140 for City fleet and 210 for the public and employees, in 19 facilities citywide

Notable EV Charger Projects Completed

- ▶ City Hall, City Hall East, Figueroa Plaza, DOT and Street Services Yards

Notable EV Charger Projects in Progress

- ▶ 200 EV chargers at 20 facilities citywide
- ▶ Piper Tech, Personnel, Emergency Operations Center, Animal Shelters, Emergency Fuel Sites, etc.



PHOTO: DC Fast Charger at Figueroa Plaza

Current EV Fleet

Fleet EV Purchases

- 124 EV Sedans
- 46 Plug-in Electric Hybrids
- 2 Hybrid Electric Street Sweepers
- 4 Light Duty EV Trucks (expected for delivery this year)



PHOTO: Hybrid Electric Street Sweeper



PHOTO: Solar EV Chargers

Where We're Going

Expand and accelerate GSD's EV Plan with three additional positions and consulting resources

- ▶ Advance electrification of fleet (light, medium, and heavy duty on-road vehicles)
 - GSD purchases the 6,000 vehicles used by 30 departments (e.g., ITA, Street Lighting, Animal Services. Excludes Police, Fire and proprietary departments)
 - Prioritize the four largest fleets maintained by GSD as follows:
 - Bureau of Street Services
 - Recreation & Parks
 - Department of Transportation
 - Bureau of Sanitation

These four departments comprise half of the vehicles maintained by GSD.

- ▶ Work with Departments to evaluate and pilot new and emerging technologies for zero-emission fleet options



Where We're Going (continued)

- ▶ Assess the prioritization and installation of fleet, public, and employee EV chargers at over 600 GSD-maintained buildings and yards
- ▶ Address current demand and future charging needs to support and maintain the electrification of the City's fleet, as well as increased use of EVs by the public and employees
- ▶ Develop State and Federal grant proposals for EVs and EV chargers
- ▶ GSD's EV Plan will help inform the LA100/Strategic Long Term Resource Plan (CF 21-0352) in projecting future demand from the City's power grid resulting from hundreds of EV chargers installed at City facilities in the coming years
- ▶ GSD's EV Plan will also provide information for the development of the DWP EV Master Plan (CF 21-0890)



End of Report

