

CITY OF LOS ANGELES

CALIFORNIA

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Honorable Nithya Raman
Chair, Information, Technology, and General Services Committee
c/o Office of the City Clerk
Room 395, City Hall
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DEPARTMENT OF GENERAL SERVICES RESPONSE TO COUNCIL FILE 21-0680 – PROCUREMENT OF ZERO-EMISSION VEHICLES

In response to Council File 21-0680, the Department of General Services (GSD) submits a summary of its procurement procedure which was established to ensure that City vehicles and equipment are replaced with zero-emission vehicles whenever possible. This procedure applies to all classes of City vehicles, including but not limited to sedans, light, medium, and heavy-duty trucks, and off-road equipment.

GSD is committed to replacing City vehicles with zero-emission vehicles when they are available and meet the City's needs. Consistent with the City's Green New Deal, GSD is currently replacing 100 percent of sedans with fully electric vehicles or plug-in electric vehicles (EV). GSD has been replacing sedans with EVs since 2016-17, for a total of 124 EV sedans in service.

The technology continues to improve and EV offerings are expanding for sedans but are limited for the truck market. GSD keeps up-to-date by staying in regular contact with vendors, online research, and attending trade shows and demonstrations. Additionally, GSD has implemented a checklist (Attachment A) to evaluate the feasibility of replacing sedans, light, medium, and heavy-duty trucks, and off-road equipment with a zero-emission option.

The evaluation process consists of three steps:

1. Identify zero-emission vehicles produced by vendors who have a full production product, have a local service center, and are able to provide after sale support such as timely warranty issues, repairs, and supply parts.



2. Meet with end-user and determine if the vehicles identified in Step 1 meet the end-user's required operational needs.
3. After a thorough review of available zero-emission options, validate the findings with approval signature from the GSD specification writer, the user department, and GSD Fleet Manager.

Since the implementation of this procedure, GSD identified the following challenges to purchasing zero-emission vehicles:

- **Operational Needs** - Zero-emission equipment on the market do not meet the operational needs of the end-user such as load capacity and range. Additionally, availability is limited and the required delivery lead time is slow for zero-emission vehicles.
- **Higher Price Point** - A fully electric Chevy Bolt costs over 35 percent more than a hybrid Toyota Prius. A fully electric Street Sweeper is double the cost of a CNG powered.
- **Infrastructure** – GSD has installed 128 level-2 chargers and has plans to install up to 40 more and four DC fast chargers to support the City's fleet. In order to support the conversion of 100 percent of the fleet, 6,000 vehicles, GSD estimates that the EV charging infrastructure needs 1,000 level-2 chargers and 500-1,000 DC Fast Chargers (DCFC) installed throughout the City. Additional information on the EV infrastructure needs are provided in the GSD report in Council File 21-1249.

Despite these challenges, GSD anticipates expanding the zero-emission fleet year after year as vehicles reach the end of their useful life and technology evolves. The checklist establishes a methodology to meet the needs of the customer and the EV purchasing goals of the City.

For more information on GSD's Zero-Emission First procedure, please contact Jung Ho, Fleet Services Director, at Jung.Ho@lacity.org or (323) 526-9200.



Tony M. Royster
General Manager

Attachment

Attachment A



**City of Los Angeles
Fleet Services Checklist**

- Vehicle can be replaced with Electric Vehicle or Alternative Fuel vehicle?

Is this an EV or AFV a Pilot? YES NO

Is this a reputable manufacturer? YES NO

Is there a Local Service Center? YES NO

Final Vehicle Selected _____

Wait time for Electric Vehicle _____

- Customer was contacted to go over Zero Emission Policy?

Date: _____

Spoke with: _____

- Infrastructure

Does this Department have an EV Charger at site? YES NO

If no, is there a site to install an EV charger? YES NO

If no, Estimate Time to Install EV Charger _____

EV Infrastructure signature: _____

- Equipment Selection

EV was selected

Tech. Services signature: _____

Using agency signature: _____

Fleet Services signature: _____

EV was not selected.

Reasons:

Tech Services signature: _____

Using agency signature: _____

Fleet Services signature: _____