

Energy, Climate Change, Environmental Justice, and River Committee

StreetsLA
City of Los Angeles Electric Vehicle Master Plan
StreetsLA response to CF 22-0532



StreetsLA FLEET

- Currently StreetsLA operates a fleet of 1,388 Vehicles
- StreetsLA is using Compressed Natural Gas (CNG) and Renewable Diesel (RD) as clean fuels for 52% of its fleet vehicles. These clean fuel alternatives reduce carbon-monoxide and nitrogen-oxide emissions. Of the 1,388 vehicles in StreetsLA fleet, 33% are operating with RD and 19% of the fleet is being operated by CNG.
- StreetsLA is in possession of 17 Electric Vehicles
- 41 EV vehicles have been purchased with funds allocated in FY 22/23



ACCOMPLISHMENTS

- All Street Vending-assigned Investigators in the Bureau's Investigation and Enforcement Division (IED) are now using Honda Clarity plug-in hybrids; making this team the first 100% clean-air team at StreetsLA.
- The Nissan LEAF is also used by IED for the Hollywood Walkability program.
- The electric Delevo mini-sweeper was purchased for sweeping the 1,100 lane miles of bike lanes throughout the City.
- The Volvo mini-excavator has been rented for use by the Urban Forestry Division (UFD). This equipment is being used to dig for tree plantings and breaking-up of hard surfaces.
- The ROUSH-650 eclectic stake bed was taken on loan and used by UFD in transporting trees and equipment.
- Two Beam portable solar chargers have been purchased and installed at our North Hollywood Yard for Green Innovations.
- Using alternative modes of transportation, StreetsLA partnered with Cake Bikes. Street Maintenance Division (SMD) took on-loan four electric mopeds and conducted an inspection of 1,100 lane miles of bike lanes throughout the City.
- The Bureau has taken possession of 1 out of the 16 Ford F-150 Lightnings procured by GSD to be used by the SMD Supervisor for pothole inspections.

PROPOSED EV CHARGING STATIONS

StreetsLA Yard	Total number of chargers	Electrical Upgrade Cost	L-3	L-2
Wilshire Yard	10	\$200,000.00	\$250,000.00	\$150,000.00
Van Nuys	10	\$200,000.00	\$250,000.00	\$150,000.00
Topanga	10	\$200,000.00	\$250,000.00	\$150,000.00
Southeast	10	\$200,000.00	\$250,000.00	\$150,000.00
Reseda	10	\$200,000.00	\$250,000.00	\$150,000.00
Hollywood	10	\$200,000.00	\$250,000.00	\$150,000.00
Granada Hills	10	\$200,000.00	\$250,000.00	\$150,000.00
East Yard	10	\$200,000.00	\$250,000.00	\$150,000.00
North Hollywood Yard**	21	\$1,600,000.00	included	included
Total per column		\$3,200,000.00	\$2,000,000.00	\$1,200,000.00
Total				\$6,400,000.00*

*All figures are estimates and need to be further evaluated.

**Depending when these yards can be updated, there may be a 5-10% inflation factor.

*** Facility upgrades subject to Council adoption of CF 21-0890 and Electric Vehicle Master Plan

EV PURCHASES F22/23

1-Sweeper, Hybrid, CNG/Electric
\$ 806,000

6-Truck (10,000#GVWR)
\$ 360,000

7-Truck (10,001 - 26,000#GVWR)
\$ 700,000

3-Sweeper, Bicycle Lane
\$ 915,000

4-Truck, Stake Bed
\$ 800,000

4-Van, Box
\$ 960,000

16-Ford F-150 Pickup Truck, 1/2 Ton
(1 received, 15 additional on order)
\$ 1,040,000

TOTAL
\$5,581,000



GOALS

- Creating a zero emissions tree planting crew.
- Use of Electric Vehicles for all pothole inspection crews.
- Implementing a charging island at Van Norman Yard.
- Using alternative forms of transportation, such as electric bikes or mopeds, for inspections when appropriate.

CHALLENGES

- Competition for obtaining EV's in California due to demand for such equipment.
- Electric powertrain options for all vehicle types not yet available or perfected for the Bureaus specific needs.
- Fluctuating increase in cost for procurement.
- Coordination and collaboration with other Departments with conflicting priorities.
- Bureau's obligation to perform its duties as first responder's does not allow for an all EV fleet.
- Procurement of long-term clean fuel contracts.