



Climate Action and Environmental Committee

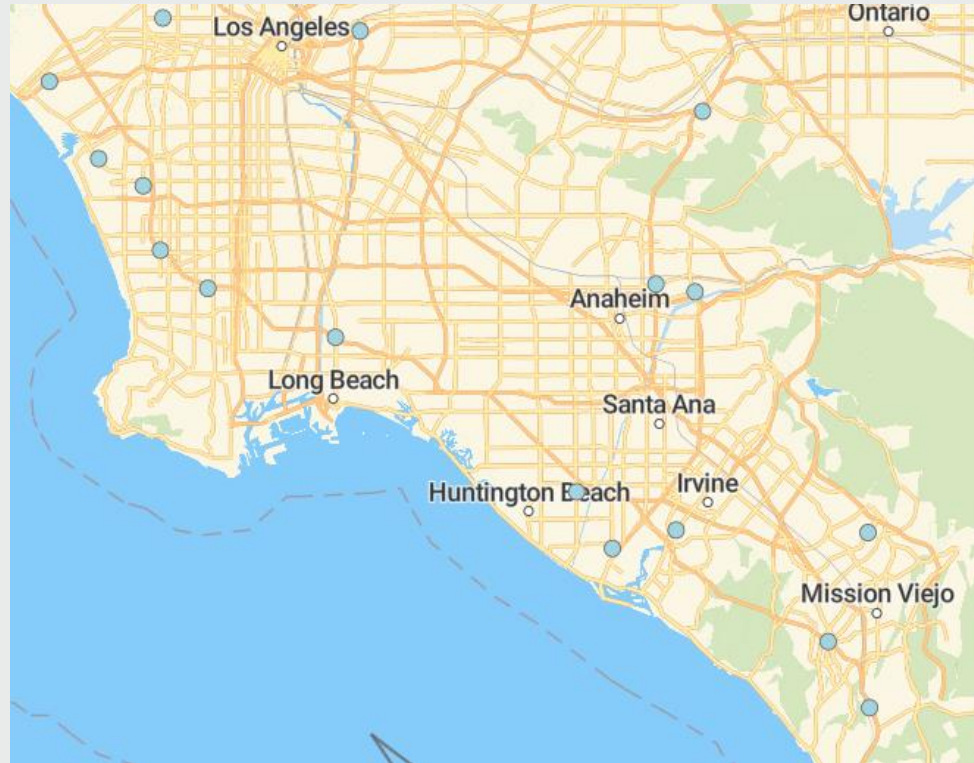
August 31, 2021

Overview

- Hydrogen Fuel Stations
- City EV Charger Network
 - City EV Fleet
 - City-Owned Public EV Chargers
 - Privately Owned Public EV Chargers
 - The future of Citywide EV Charging Network
- Upcoming Studies

Hydrogen Fuel Stations

- The City does not own any hydrogen fuel stations. The map provides the location of these stations within Los Angeles and Orange counties



City EV Charger Network

City Electric Fleet

- The City currently operates 72 light-duty electric vehicles, primarily Chevy Bolts
- There are 105 Level II active charge points dedicated to City vehicles



City EV Charger Network

City Public Chargers

- 134 public charging ports
- 6 DC fast charger locations

Multi Service Center



Junipero Beach Lot



Nieto Fast Chargers



City EV Charger Network

City-Owned Public EV Chargers

Electric Vehicle (EV) Charging

Since 2018, the City of Long Beach has continued to expand its public EV charging infrastructure. Installation of EV charging stations in public facilities advances the City's goals of reducing greenhouse emissions by facilitating the use of alternative fuel vehicles, with the long-term goal of carbon neutrality by 2045.

How To Pay

To pay for charging at our stations, a ChargePoint account is required. To set up an account and download the mobile app, visit chargepoint.com/drivers/. Please note, in fee-based parking lots and garages, a separate parking fee is required according to signage posted onsite.

Charging Rates:

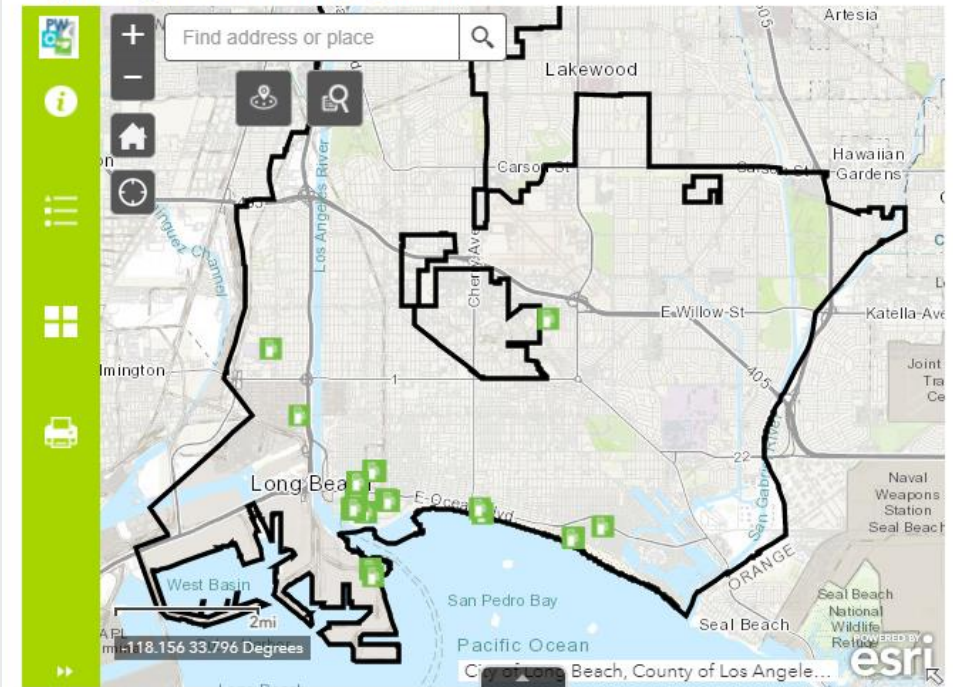
Peak-Rate (from June 1st through September 30th) - \$0.3113/kWh (Kilowatt per Hour)

Non-Peak-Rate (from October 1st through May 31st) - \$0.2284/kWh (Kilowatt per Hour)

Parking while charging is free (\$1.00/hr fee is charged beginning 60 minutes after charging stops).
\$30 per plug-in max fee applies.

Rates are designed to recover operating costs or for other energy-efficient public benefit projects. Costs include electricity, maintenance, and ChargePoint network subscription and processing fees.

City of Long Beach EV Charging Locations



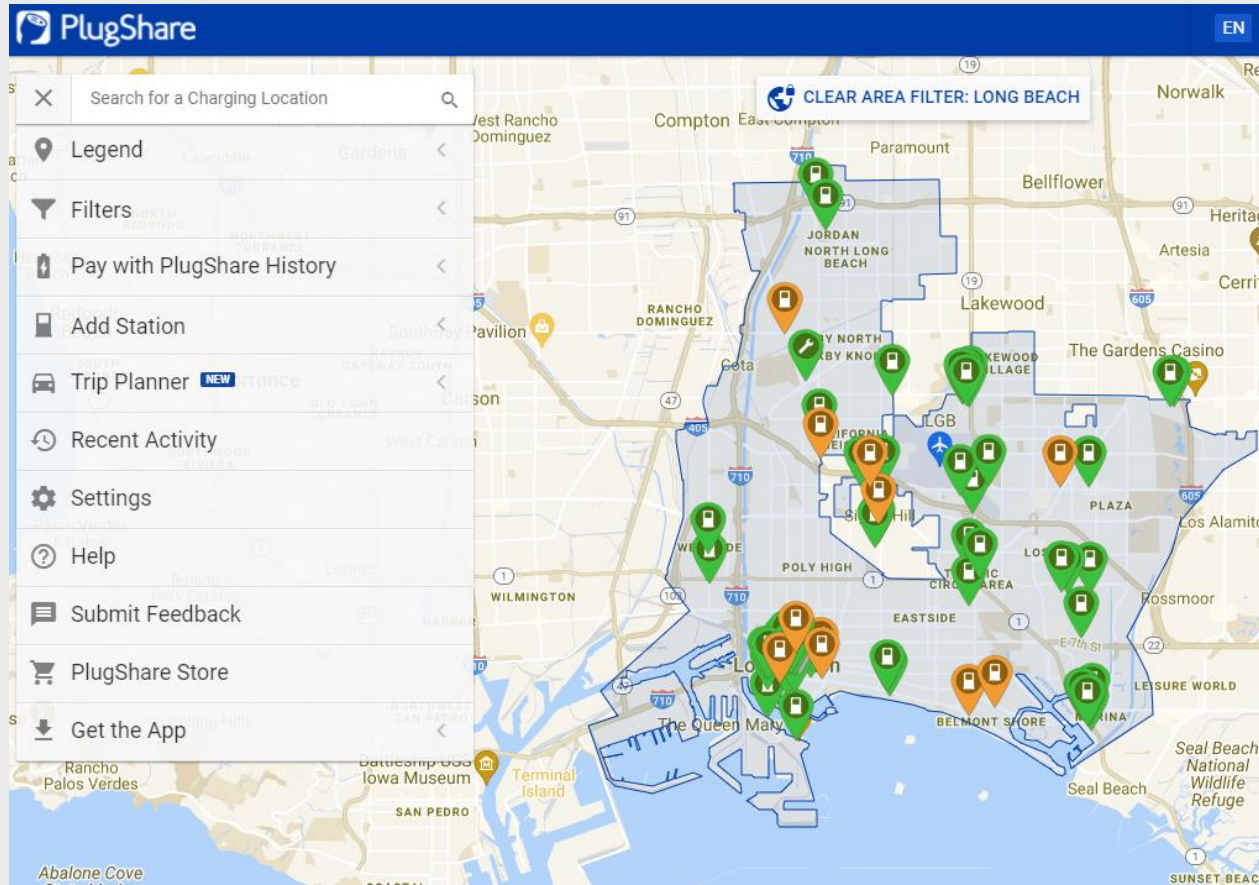
Additional Public EV Charging Locations

In addition to the City-owned and maintained charging facilities, there are several charging facilities owned and managed by other entities. Please visit the links below for information on additional public EV charging locations:

- [PlugShare](#)
- [Alternative Fuels Data Center](#)

City EV Charger Network

Privately Owned EV Chargers



City EV Charger Network

The Future of City EV Charging Network

- Clean Pathway Community Program with Southern California Edison
 - Transportation Electrification Expansion
 - Through SCE's Charge Ready 2 program, install infrastructure to support the expansion of ZEV at City locations (public and fleet)
- Charge Ready 2
 - Supports infrastructure needs to for EV Charger installation
 - Provides rebates in disadvantaged communities
 - City has submitted applications for 28 locations (public and fleet) totaling over 340 ports
 - Construction on accepted locations will begin within the next 18 months

Upcoming Studies

- Blueprint for Mid-Duty and Heavy-Duty Zero Emission Vehicle Infrastructure [Public Works]
 - \$200K grant from the California Energy Commission to develop citywide blueprint for MD- and HD- ZEV infrastructure through collaboration with citywide stakeholders.
 - 18-month timeline, contract execution on progress.
- EV Charging Study [Office of Sustainability]
 - Funded through a technical assistance grant from SCAG. The study will focus on large employer workplace charging, multi-unit dwelling charging, and public charging. One to two public outreach events are being planned for the coming months.

A nighttime photograph of the Long Beach skyline. The city lights, including several tall buildings and palm trees, are reflected in the calm water in the foreground. A semi-transparent white rectangular box is overlaid on the left side of the image, containing the text "Thank you".

Thank you