Electric Vehicle Charging Program Update

Public Works Commission
December 9, 2021
## EV Charging Infrastructure

### EV Charging

<table>
<thead>
<tr>
<th>Address</th>
<th>EV Charging Stations</th>
<th># of Ports/Level 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>345 N. Beverly Drive</td>
<td>4</td>
<td>7</td>
</tr>
<tr>
<td>216 S. Beverly Drive</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>9510 Brighton Way</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>440 N. Camden Drive</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>450 N. Rexford Drive</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>438 N. Beverly Dr. - 439 N. Canon Dr.</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>241 N. Canon Dr. - 242 N. Beverly Dr.</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>9333 W. Third Street</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>461 N. Bedford Drive</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>333 N. Crescent Drive</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>221 N. Crescent Drive</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>9361 Dayton Way</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>450 N. Crescent Drive</td>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>321 S. La Cienega Blvd.</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>City Council Parking Lot</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Roxbury Park Community Center</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL:</strong></td>
<td><strong>35</strong></td>
<td><strong>59</strong></td>
</tr>
</tbody>
</table>

![Graph showing EV Charging Sessions Custom](image)

**Sessions Custom**

- **Sessions**
- **Accumulated**

- **2021**
  - Sessions: 5,617
  - Accumulated: 112,770
EV Charging Station for the Region
City of Beverly Hills
Electric Vehicle (EV) Charging Stations

City of Beverly Hills
New Electric Vehicle (EV) Charging Policy

Education & Outreach

City Council Approves Revisions to Electric Vehicle Charging Policy

The Beverly Hills City Council has approved revisions to the City's Electric Vehicle (EV) charging policy effective January 1, 2019 to comply with state law. Senate Bill 100 now in effect, prohibits cities from requiring hybrid-vehicle free charging at EV charging stations. In April 2019 the City revised access to charging stations to battery-only Electric Vehicles (BEVs), commonly referred to as ZEV, Zero-Emission Vehicles. This newly adopted policy will allow for any electric vehicle (hybrid-Gas/Electric, plug Electric, or Hybrid Hydrogen/Electric) to utilize charging stations throughout the City. Signs in select locations where the City's EV policy has been posted.

Water Rates Update

On February 5, 2019, the City Council adopted an ordinance to modify the rates and charges for water services and facilities furnished by the City. The ordinance adjusts water rates and charges in the following ways:

- Reductions to rates based on the cost-of-service to each customer.
- Adds a new reliability charge to fund expansion of local groundwater protection facilities.
- Authorization of revenue distribution rates which use revenue from usage charges to pay off program-related revenue expenses during City Council approved mandatory shortages.

These adjustments will take effect on March 1, 2019. Your bill will look the same but will be a new item for the water reliability charge.

For more information including a Water Bill Calculator, visit our website at www.beverlyhills.org/waterrates.
Challenges & Opportunities

CHALLENGES:

• Infrastructure installation in garages
  – Costly upgrades for electrical systems
  – Impacts to parking spaces (loss of parking spaces to house electrical/equipment)
  – Demand Forecasting – planning for current and future demand/needs
• Increased competition for space
  – City staff has met with a number of vendors (EV Go, Tesla, Chargepoint, Electrify America) and received proposals for DC Fast Chargers for review and consideration.
• Limited funding to upgrade as technology improves
• Unforeseen legislative impacts

OPPORTUNITIES:

• Expansion of the customer facing and internal EV Charging programs is a positive for the City’s sustainability efforts. Below are some of the opportunities staff look to capitalize on while expanding the EV infrastructure.
  • Increased charging station inventory for future demand
  • Potentially increase the types of charging providers in the City
  • Enhanced charging capabilities for City fleet in preparation for heavy-duty EV vehicles
  • Further reduce the amount of greenhouse gas emissions
Fiscal Impact

CIP NO: 00355 ELECTRIC VEHICLE CHARGING INFRASTRUCTURE

DESCRIPTION
Provides required infrastructure for the electric vehicle (EV) charging in the City-owned and operated public parking garages. This includes increasing inventory (i.e., adding new charging stations). The City EV Chargers (Level 2) will require replacement based on their service life, manufacture support, contractual agreements, as well as required upgrades to meet the evolving models of hybrid and Battery Only Electric Vehicle (BOEV) in the market. Additional services include required electric infrastructure, signage, and parking space designation. Other project costs include ongoing cost of utilities, maintenance and repair of chargers, hosting/subscription fee, and credit card transaction service fee to 3rd party. A consultant will be solicited to assist with evaluating changes in the industry, looking for opportunities for grants to increase inventory, assisting with grant applications, and providing guidance regarding the best infrastructure to meet the growing market demand and customers’ needs.

PROJECT CLIENT
Client Name: Daren Grilley
Client Dept: Public Works
Other Depts:

Status: Seeking consultant to assist with electric vehicle charging infrastructure grants, programs, and implementation in order to meet customer demand and to help achieve City and State sustainability goals.

BUDGET FORECAST

<table>
<thead>
<tr>
<th>Fund</th>
<th>20-21 Revised</th>
<th>21-22 Adopted</th>
<th>22-23</th>
<th>23-24</th>
<th>24-25</th>
<th>25-26</th>
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<tbody>
<tr>
<td>810 - Parking Operations</td>
<td>0</td>
<td>35,000</td>
<td>35,000</td>
<td>125,000</td>
<td>125,000</td>
<td>75,000</td>
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<tr>
<td>Project Total</td>
<td>0</td>
<td>35,000</td>
<td>35,000</td>
<td>125,000</td>
<td>125,000</td>
<td>75,000</td>
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</table>

Questions