LET YOUR NEXT VEHICLE BE AN ELECTRIC VEHICLE (EV)

**Electric Vehicle Charging Station Study**

**EV Driving Benefits**
- Quiet ride
- Fun to drive
- Smooth operation
- Better handling
- Increased reliability

**EV Environmental Benefits**
- No tailpipe emissions
- Cleaner air
- Greenhouse Gas emission reduction
- Improved community health and air quality

**Lifetime Cost of Ownership**

- **Sample Annual Vehicle Ownership Costs**
  - $3,837 (Typical gas sedan)
  - $2,864 (Typical 40 kWh EV sedan)
  - $1,580 (Typical gas sedan)
  - $759 (Typical 40 kWh EV sedan)

- **Annual Fuel Cost**
  - Gasoline
  - Electric

- **Annual Operating Cost**
  - Includes fuel, tires, maintenance, registration, license, and insurance

- Average savings calculated using the Alternative Fuels Data Center Vehicle Cost Calculator (https://afdc.energy.gov/calc/)

**See available EVs at** [https://afdc.energy.gov/vehicles/search/](https://afdc.energy.gov/vehicles/search/)
ALL THE WAYS TO CHARGE

Level 1 Charger
Uses a standard 110-V household outlet. Very low cost and ideal for overnight residential charging. Recharges 3.5-6.5 miles of range per hour.

Charge at home, at work, or on the road

Level 2 Charger
Ideal for overnight residential, workplace, and commercial charging. Low-mid cost and recharges 14-35 miles of range per hour. All EVs can use Level 2 chargers.

20,000 charging stations in Los Angeles County with another 40,000 being added by the end of 2025

Level 3 DC Fast Charger
Ideal for short stops along major travel corridors. High cost but can recharge up to 80% in under 30 minutes. Different EV brands are compatible with different chargers.

If you rent, ask your landlord about installation

To find the location of your nearest EV charging station, visit: www.plugshare.com

TIME-OF-USE RATES

Save money by charging your EV during off-peak times in the middle of the day when there is extra solar power, or overnight when demand is low. With smart meters you can charge your EV when there is extra renewable energy available. In the future, vehicle-to-grid technology can allow the EV to power the grid and YOU will get paid for it!

<table>
<thead>
<tr>
<th>Time of Day</th>
<th>Cost of Electricity During the Day</th>
</tr>
</thead>
<tbody>
<tr>
<td>8am</td>
<td>$</td>
</tr>
<tr>
<td>4pm</td>
<td>$$$</td>
</tr>
<tr>
<td>9pm</td>
<td>$</td>
</tr>
<tr>
<td>8am</td>
<td>$</td>
</tr>
</tbody>
</table>

BECAUSE CALIFORNIA USES A LOT OF CLEAN ENERGY, THE EMISSIONS FROM DRIVING AN EV ARE SIGNIFICANTLY LESS THAN A GASOLINE VEHICLE.

Emissions Savings (Annual)
EV vs. Gasoline

<table>
<thead>
<tr>
<th>Pounds of CO₂ Equivalent</th>
</tr>
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<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>5K</td>
</tr>
<tr>
<td>10K</td>
</tr>
<tr>
<td>15K</td>
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</tbody>
</table>


Save Even More with Federal, State, Local, and Utility Incentives for EVs and Chargers*

<table>
<thead>
<tr>
<th>Incentive Type</th>
<th>Federal</th>
<th>California State</th>
<th>Southern California Local</th>
<th>California Utility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal Tax Credit for Electric Vehicles: $7,500 (max incentive, varies by manufacturer)</td>
<td>California Clean Vehicle Rebate Project for New EVs: $2,000 – $4,500 (income-eligible)</td>
<td>South Coast Air Quality Management District – Replace Your Ride: $9,500 for New EVs (income-eligible)</td>
<td>All – Special time-of-use rates to reduce the cost of EV charging</td>
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<tr>
<td>California Clean Fuel Reward for New EVs: $750</td>
<td>South Coast Air Quality Management District – Residential EV Charging Incentive Pilot Program: $500</td>
<td>LADWP – Charge Up LA!: Used EVs - $1,500 Chargers - $750</td>
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<tr>
<td>Southern California Edison Pre-Owned EV Rebate: $1,000 – $4,000 (income-eligible)</td>
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</tbody>
</table>

*As of February 2022, to see a list of all available incentives in your area visit https://afdc.energy.gov/laws