

# NAVIGATING THE ELECTRIC DRIVE

## WHY SHOULD I CONSIDER AN ELECTRIC VEHICLE?

### WHAT'S IT LIKE TO DRIVE AN ELECTRIC VEHICLE (EV)?

It is extremely quiet. No gas engine or transmission under the hood | The power generated by the electric motor is sent to the driving wheels | Higher Performance. Instant Torque provides quick driving response.

### WHAT ARE THE BENEFITS OF DRIVING AN EV?

Save on Fuel and Maintenance Costs (EV charging is roughly 1/2 price of Gas) | Federal and State Incentives (new, used and leased vehicles) | HOV Access (Drive solo in Carpool Lanes with available sticker)  
This is the future of California (CA State mandate explains that 35% of all passenger vehicles sold must be ZEV starting with 2026 models, 68% by 2030 and 100% by 2035) | Be Earth conscious. Reduce CO2 emissions/carbon footprint (less dependent on fossil fuels)

### OWNERSHIP (IS THIS THE RIGHT TYPE OF VEHICLE FOR ME?)

Consider your average driving habits and where you may be able to recharge either daily or weekly | Other electrified options to full EV (Hybrid, Plug-in Hybrid, Fuel Cell vehicles) | Do I qualify for Federal and State incentives?

## HOW AND WHERE DO I CHARGE?

### 1 LEVEL 1 (110 VOLTS)

Charges up to 5 miles/hour. 8 hours = 40 miles | Can charge virtually anywhere (standard home power outlet) Convenient option for those who don't drive much each day. | Very slow...but probably the least expensive option.

### 2 LEVEL 2 (220 VOLTS)

Charging averages 25 miles/hour. 8 hours = 200 miles | 80% of Public Chargers are Level 2 Relatively inexpensive and many are free (grocery stores, malls, gym, drug store, etc.) | Quickest at home use (if power outlet installed) and is the healthiest for battery life.

### 3 LEVEL 3 (440 VOLTS) DC OR QUICK CHARGE

Charge time is around 3 to 20 miles per minute! | These industrial chargers can range from 440v up to 800v plus. At 10 miles per minute, one could get 200 miles of charge in 20 minutes | Best for long trips, as many chargers are along highway routes | Too powerful for home installation. Most expensive way of charging Use sparingly (no more than twice/week) | Level 2 is healthiest for the battery life.



## RESOURCE WEBSITES

California incentives: <https://driveclean.ca.gov/>

Federal Credits for Used Clean Vehicles Purchased: <https://www.irs.gov/credits-deductions/used-clean-vehicle-credit>

Federal Credits for New Clean Vehicles Purchased: <https://www.irs.gov/credits-deductions/credits-for-new-cleanvehicles-purchased-in-2023-or-after>



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