# **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?**

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.

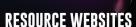
LEVEL 2 (220 VOLTS)

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.

# 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.





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-aft

