

ELECTRIC VEHICLE CHARGING STATION STUDY

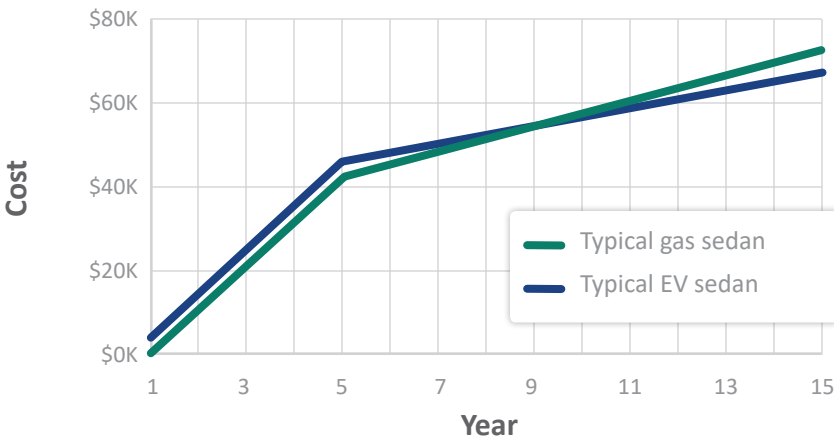


Let Your Next Vehicle Be An Electric Vehicle (EV)

- \$800/year in fuel cost savings
- Up to 8-year/100k-mile battery warranty
- \$700/year on maintenance cost savings
- New EVs start under \$35k (before incentives)
- Old batteries can be used for energy storage or recycled

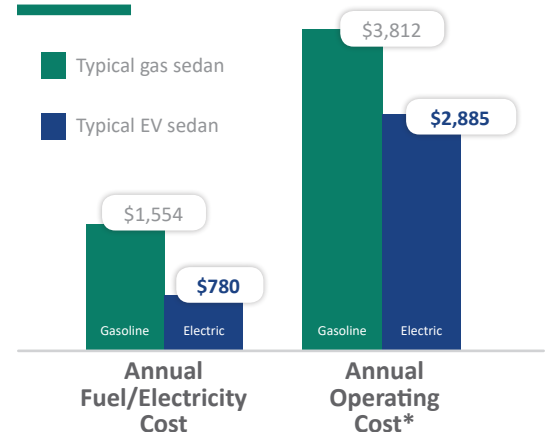
See available EVs at <https://afdc.energy.gov/vehicles/search/>

LIFETIME COST OF OWNERSHIP



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

SAMPLE ANNUAL VEHICLE OWNERSHIP COSTS



*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/>)

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

ALL THE WAYS TO CHARGE

Level 1 Charger



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.

J1772



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.

CHAdeMO CCS-1 Tesla



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.



Charge at home, at work, or on the road



There are over 80,000 chargers in California. MCAG is planning for up to 7,000 chargers by 2030.

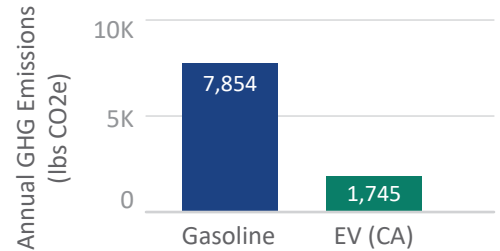


If you rent, you can work with your landlord to install a charger, per California Civil Code 1947.6

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

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

ANNUAL GHG EMISSIONS EV VS GASOLINE



Emissions for California calculated using the Alternative Fuels Data Center Emissions Calculator (https://afdc.energy.gov/vehicles/electric_emissions.html).

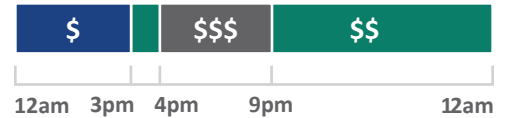
THE USED EV MARKET IN THE US HAS TRIPLED IN THE LAST 18 MONTHS,

WITH SOME NEWER EV MODELS SELLING FOR \$10,000 WITH MANY VEHICLES ELIGIBLE FOR A TAX CREDIT OF UP TO 30%.

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!

Cost of Electricity



EV FUNDING*

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

Federal	State	Local/Utility
Inflation Reduction Act (IRA) New Vehicle Tax Credit – up to \$7,500 (restrictions apply)	California Clean Vehicle Rebate Project for New EVs: \$2,000–\$4,500 (income-eligible)	PG&E Time of Use Rates to reduce the cost of EV charging overnight
IRA Used Vehicle Tax Credit – up to \$7,500 (restrictions apply)	HOV Lane Exemption	PG&E Used EV Rebate \$1,000–\$4,000 (income-eligible)
IRA Home EV Charger – 30% of cost up to \$1,000		PG&E Empower EV up to \$2,500 for home charger (coming soon, income-eligible)
		San Joaquin APC District Drive Clean Program . Up to \$3,000 depending on vehicle type

*As of February 2023, to see a list of all available incentives, visit <https://afdc.energy.gov/laws>

Over 50 new EV models expected to be available by 2030

100% of new car sales will be zero emission in California by 2035

211 miles – average EV range