

## General Tips

### Charge Up, Drive On

Don't leave your car plugged in all day. Move it once charging is complete so others can use the charger.



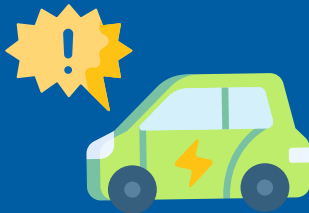
### Know the Local Rules



In some states, it is illegal for a vehicle to be in a public EV charging space unless plugged in.

### Be Loud

EVs are quiet, so be cautious, especially in residential areas and parking lots.



### Find Charging Stations

Locate nearby charging stations at [plugshare.com](http://plugshare.com) or scan the QR Code.



## Myths vs Facts about EVs

**Myth: EVs are more expensive than gas-powered vehicles.**

**Fact:** While EVs may have higher up-front costs, they can actually save you money long term when compared to gas-powered vehicles.



**Myth: You can't go very far in an EV without having to charge it.**



**Fact:** All-electric vehicles can typically go between 110 and over 300 miles on a single charge.

**Myth: EV batteries have a short lifespan.**

**Fact:** EV batteries can last 12-15 years in temperate climates and 8-12 in harsher climates. They are also covered under warranty for at least 8 years.



**Myth: There are no EV charging stations in my area.**



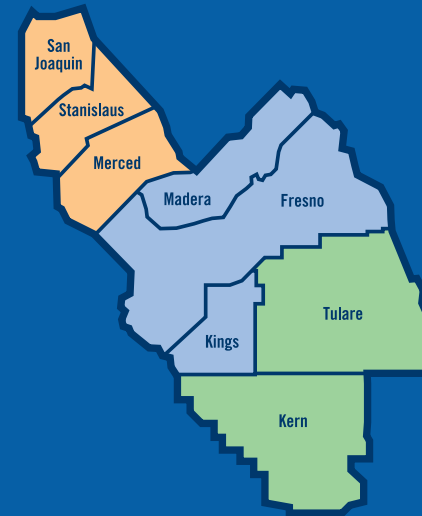
**Fact:** The number of charging stations is increasing as EVs gain popularity.

**Myth: EVs only benefit those who can afford them.**

**Fact:** EVs have no tailpipe emissions. They improve local air quality, which is good for everyone in our community.



For more information, visit [valleyair.org](http://valleyair.org) or contact the nearest District office.



### Northern Region

*Serving San Joaquin, Stanislaus and Merced counties*

4800 Enterprise Way, Modesto, CA 95356-8718

Tel: 209-557-6400 FAX: 209-557-6475

Complaint Line: 1-800-281-7003

### Central Region (Main Office)

*Serving Madera, Fresno and Kings counties*

1990 E. Gettysburg Avenue, Fresno, CA 93726-0244

Tel: 559-230-6000 FAX: 559-230-6061

Complaint Line: 1-800-870-1037

### Southern Region

*Serving Tulare and Valley air basin portions of Kern counties*

34946 Flyover Court, Bakersfield, CA 93308-9725

Tel: 661-392-5500 FAX: 661-392-5585

Complaint Line: 1-800-926-5550



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# GUIDE TO ELECTRIC VEHICLES



**San Joaquin Valley**  
AIR POLLUTION CONTROL DISTRICT

1-800 SMOG INFO  
[valleyair.org](http://valleyair.org)



# Guide to Owning an Electric Vehicle (EV)



## What is an Electric Vehicle (EV)

An EV is a vehicle that runs on electricity stored in a battery and can be charged from an outside source.

## Types of Electric Vehicles

### Plug-in Hybrid Electric Vehicle (PHEV)

These can be charged from a power outlet and also have a gasoline engine to use when the battery is low.



### Hybrid Electric Vehicle (HEV)

Uses both a gasoline engine and an electric motor powered by the battery. These are not charged through a power outlet.



### Battery-Powered Electric Vehicle (BEV)

Commonly known as a fully electric vehicle (EV), it produces no tailpipe emissions, and cannot use gasoline.



## Average Cost

The cost of an EV varies widely depending on several factors. On average, an EV costs around \$56,000, but price can range from as low as \$26,000 to over \$100,000.

More used EVs are on the market today and can be a great lower cost option, many below \$20,000.

## How to Charge an EV

Charging your EV or PHEV is easy! The process is similar to charging other electronics.

There are **three** types of EV charging stations, categorized by the power output they provide. Here are the common types:

TYPE	OUTLET TYPE	RANGE (MILES) PER CHARGING TIME	
1	Standard 120v Wall  It can be found at home!	 Great for overnight charging! <b>Up to 40 miles</b>	
2	240v Outlet  NEMA 14/50 outlet It can be installed at home <small>Check your utilities website for more information!</small>	100%	<b>FULLY CHARGED IN:</b> BEV: 4-8 hours PHEV: 1-2 hours
		CCS Combo  Up to <b>160 miles</b> in 20 minutes	
3	DC Fast Charge ~1000 volts  It can be found at a charging station!	CHAdemo  Up to <b>67 miles</b> in 30 minutes	
		Tesla Super Charger  Up to <b>200 miles</b> in 20 minutes	

## Why You Should Get an EV

EVs are a sustainable choice for commuting in the Valley. They use clean-air technology that benefits both users and the community by reducing pollution.

## Funding Opportunities



Explore ways to save money when buying an EV. Check for government rebates, tax incentives, and grants available locally and nationally.

Environmental groups and car manufacturers also offer grants, low-interest loans, and special deals to encourage eco-friendly transportation. Here are some places to start looking into:

### In Your Local Community

- ▶ PG&E or Southern California Edison
- ▶ Valley Air District

### In Your State

- ▶ Visit [drivecleanca.org](http://drivecleanca.org) for available incentives

### Federal Tax Credit

- ▶ You may qualify for a tax credit or dealership discount of up to \$7,500