



Community  
Environmental  
Council

# Electric Vehicles are Here

Get ready to Plug In, Santa Barbara



The Community Environmental Council's **Plug In Santa Barbara campaign** provides objective information on the emerging market of electric vehicles. To get started, check out CEC's Green Car Shows, plug-in driveway parties, and Facebook page.



There are over 20 different types of EVs on the market, in all shapes and sizes. In fact, Santa Barbara is a top market in the nation, with likely a thousand EVs on our streets in the next few years.

## Visit CEC online

Visit CEC's Plug In Santa Barbara **webpage: [pluginsb.org](http://pluginsb.org)**

Follow us on **Facebook: [facebook.com/pluginsb](https://facebook.com/pluginsb)**

Sign up for our **e-news: [cecsb.org](http://cecsb.org)**

## Partner with us

CEC is partnering with tri county Air Pollution Control Districts, cities, businesses, and utilities on Plug In Central Coast. We are helping to build hundreds of 240-volt charging stations and making it easier to use EVs in our own region. If you are considering adding charging stations for your customers and/or employees, please contact us for technical assistance.

## Check out the cars

### Attend a Green Car Show

CEC hosts Green Car Shows each year in Santa Barbara, Ventura and other tri-county cities, where you can check out all the new electric vehicles. Visit us at **[pluginsb.org](http://pluginsb.org)** for details.

### Attend a Driveway Party

CEC hosts driveway parties as a way for prospective buyers to learn about electric vehicles from both CEC and the vehicle's owner. If you are interested in attending or hosting a driveway party please contact Cameron Gray **[cgray@cecmail.org](mailto:cgray@cecmail.org)** or **805.963.0583 x111**.

## Why they matter

- Electric vehicles are around three times more efficient than gasoline vehicles. The vast majority of new EVs are rated by the EPA at more than 100 mpg equivalent.
- They produce zero tailpipe emissions, and on California's clean grid produce around 75% fewer greenhouse gas emissions than a comparable gasoline car.
- When you recharge in California, you are drawing from one of the cleanest electrical grids in the country, with about 20% coming from renewable energy. The state goal is to increase that to 33% by 2020, so electrical vehicles purchased now will actually get cleaner over time. Most inspiring, if the building you charge from has solar on the roof, you are driving on sunshine, not oil.
- The cost per mile driven can be the equivalent of \$1/gallon if an EV is charged at night with cheap, off-peak Time of Use rates offered by local utilities.
- EVs are very fun to drive, with instant torque that allows quick acceleration and a smooth, quiet ride.

## What you need to know before buying an electric vehicle

### RANGE AND CHARGING

- Many commuters find that they can make most, if not all, of their daily trips solely on electricity. The Chevy Volt has a 35-40 mile battery range and then can travel over 300 miles on gasoline. The Nissan Leaf, Ford Focus EV, and many other all-electric vehicles have a 70-100 mile range. The Tesla Model S can travel up to 300 miles on a charge.
- Most recharging is done overnight at home. CEC's Plug in Santa Barbara is working to get more public stations in place this year. To find public stations, visit [plugshare.com](http://plugshare.com).
- If you drive less than 40 miles per day, a normal 120-volt outlet is a low-cost option that may meet your needs.
- Some drivers install a 240-volt (Level 2) charging station in their garage and recharge the battery at night, when the cost of electricity is lower. Visit [sce.com/pev](http://sce.com/pev) for a calculator with various charging rates and other information. It generally takes about 3 to 8 hours to recharge from a Level 2 station, depending on the vehicle.
- To install a 240-volt charging station, contact a licensed electrical contractor. The process is similar to installing a hot tub – your electrician will arrange the permit and inspection.

### MAKING A PURCHASE

- A federal tax credit of up to \$7,500, and a more limited California rebate of \$2,500 are available. Visit [energycenter.org/cvrp](http://energycenter.org/cvrp).
- There are now over 20 electric vehicles on the market. To track the latest news on these models and new local charging stations, stay in touch with CEC through Facebook ([facebook.com/pluginsb](http://facebook.com/pluginsb)) and our e-newsletter ([cecsb.org](http://cecsb.org)) and check out [PluginCars.com](http://PluginCars.com) to learn about all the new electric vehicles.



26 West Anapamu Street  
Santa Barbara, CA 93101  
805.963.0583  
[cecsb.org](http://cecsb.org)