

RANGE: How far will I go?

Ranges of EVs and PHEVs vary. Below are some of the highest range vehicles. For a full list, see Recommended Resources.

2018 Volkswagen e-Golf (EV)

125 miles



2018 Nissan Leaf (EV)

151 miles



2018 Tesla Model3 (EV)

220 miles



2018 Chevrolet Bolt (EV)

238 miles



2018 Honda Clarity (PHEV)

47 all electric miles, 340 total miles



2018 Chevrolet Volt (PHEV)

53 all electric miles, 420 total miles



LEARN HOW TO DRIVE ELECTRIC, FOR CHEAP!

Electric Vehicles are more affordable than ever! With competitive prices, rebates, credits, and low fueling and maintenance costs, EVs are a great choice for the environment and your budget!

RECOMMENDED RESOURCES

- **Department of Energy**
(energy.gov/eere/electricvehicles)
- **Plug in America**
(pluginamerica.org)
- **Sierra Club**
(content.sierraclub.org/evguide)
- **My Green Car**
(mygreencar.com)

CONTACT US

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The City of Berkeley does not endorse any make or model of car; this brochure is for informational purposes only



Drive Electric on a Budget



Office of Energy and Sustainable Development

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ELECTRIC VEHICLE OPTIONS

EVs (all-electric vehicles)
run only on electricity



PHEVs (plug-in hybrid electric vehicles)
run on a rechargeable battery and use a gas engine when the battery is low



BENEFITS OF EVs

- **Fueling** is cheaper than gas cars, because electricity prices are lower and more stable. Discount rates for charging off-peak are available.
- **Maintenance** is cheaper. EVs do not require oil changes, transmission repairs, tune-ups, or other replacement parts.
- **Clean Air Vehicle Decals** are available for EVs and PHEVs, giving access to HOV carpool lanes and lower bridge tolls.
- **Reserved Parking Spots** for EVs can be found in many lots, sometimes offering free parking and charging.
- **Longer lifetimes** EVs have longer lifetimes because parts do not have to be replaced as often as in gas cars.

CHARGING OPTIONS

Level 1 comes standard for all EVs and PHEVs and can be plugged into a standard 120v power outlet. Charging times can vary from 10-20 hours based on the model, battery, and capacity.

Level 2 reduces the charging time of an EV to a few hours. These chargers use a 240v outlet and may require a special installation for homes, ranging from \$250-\$2000 for the charger and installation.

DC Fast Charge can charge compatible EVs and PHEVs in ~30 minutes.

Public Charging Stations can be located using apps such as plugshare.com and the Department of Energy's Alternative Fueling Station Locator.



BUYING PRE-OWNED EVs

There are many pre-owned EVs online and in car dealerships. Not only does buying pre-owned get you a good quality car for less, but it also keeps expensive and resource-intensive technology with ample lifetime in use. Pre-owned EVs can be found for as low as \$5,000.

FINANCIAL INCENTIVES \$\$\$

- **Federal Tax Credit** up to \$7,500 when you buy a new EV/PHEV.
- **California Rebate** up to \$7,000 for purchasing or leasing a new EV/PHEV, based on income qualifications.
- **PG&E Rebates and Reduced Rates** \$500 rebate for EV/PHEV owners and lower rates for charging off peak.
- **Clean Vehicle Assistance Program** provides grants for lower income Californians to purchase EVs, PHEVs, and hybrids. (cleanvehiclegrants.org)
- **Price Buy-Down Grants** reduce monthly loan payments for low-income residents. (Berkeley residents not eligible) (drivingclean.chdcnr.com)
- **Clean Air Vehicle Decal** grants carpool lane access and reduced bridge tolls with FasTrak.

LEASING AN EV/PHEV

Technology changes rapidly, and many EV drivers lease rather than buy. The EV tax credit applies to leases in the form of lower monthly payments. Lessees typically do not pay for any maintenance or repairs, and have the option to keep their car or upgrade to an EV with a greater range once the lease ends. California offers substantial rebates for leased electric vehicles, prioritizing low-income drivers.