

# Electric Vehicle Fact Sheet & Resource Guide

If you're considering purchasing or leasing an electric vehicle (EV), there are a few things you should know. This fact sheet includes key pieces of information for any prospective EV owner as well as a resource guide to point you toward relevant, trustworthy sources of additional information.

## Know The Facts



Studies show that, due to reduced fuel and maintenance needs, EV drivers can expect to save \$6,000-10,000 over the lifetime of the car.



A federal tax credit exists to help owners recover some of these higher costs. Owners can claim up to \$7,500 in federal tax credit the same year they purchase a new EV. The federal tax credit is not available to those who lease a vehicle or buy used.



According to the Department of Energy, EV batteries may last 12-15 years in temperate climates, and 8-12 years in severe climates (including very cold or hot climates). EV power cells must be covered under warranty for at least eight years or 100,000 miles.



There are two main types of EVs to look out for. A battery electric vehicle is driven entirely by a battery-powered electric motor. A plug-in hybrid electric vehicle has both a battery-powered electric motor and an internal combustion engine.



There are three different types of EV chargers:

- Level 1: About 2-5 miles per hour of charging time.
- Level 2: About 10-20 miles per hour of charging time.
- Level 3: About 60-80 miles per 20 minutes of charging time.

## Find More Info

Compare and contrast different makes and models on the [Department of Energy's Fuel Economy website](#).

Locate publicly-available charging stations anywhere in the U.S. on the [Alternative Fuels Data Center website](#).

Find information on the federal tax incentive on the [Department of Energy's website](#).

Review permitting requirements for electric vehicle charging stations in Fairfax County on the [Land Development Services website](#).

Visit the Fairfax County [Department of Planning and Development's website](#) for information on zoning regulations for electric vehicle charging stations.



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