



## Electric Vehicle MAINTENANCE

### EV MAINTENANCE ADVANTAGES

- Never need an oil change
- Fewer moving parts than a gas-powered vehicle
- Regenerative braking system reduces wear and tear

### ROUTINE MAINTENANCE TIPS

Every 7,500 miles, rotate your tires and inspect your brakes, coolant levels, and power steering.

### ABOUT BATTERIES

EV batteries can last 10-20 years or up to 300,000 miles. Battery range can decrease over time.

To maintain battery performance, keep your battery between 20 - 80% charge, and avoid frequent DC Fast Charging.



## Incentives & Rebates!

Programs in our area can help reduce the costs of new electric vehicles and charging equipment for residents



### Federal Income Tax Credit

Up to \$7,500 for certain new vehicles models and \$4,000 for used vehicles. The credit reduces your total tax bill and is limited by family income.



### Maryland Energy Administration

Rebate equal to 40% of the cost of charging equipment and installation, up to \$700.



### Montgomery County Green Bank

Provides low-cost financing and technical support for EV charging stations.



### Utility Incentives

Contact Pepco, BGE, and Potomac Edison for rebates, bill credits, and special electricity rates for qualified EV chargers.



### Auto Manufacturers

Some manufacturers offer extra benefits, including free public charging and help with home charger installation. Ask your dealership for more information on manufacturers' incentives.

For more info, [scan the code](https://www.montgomerycountymd.gov/ZEV) or visit [MontgomeryCountyMD.gov/ZEV](https://www.MontgomeryCountyMD.gov/ZEV)



## What to Know about ELECTRIC VEHICLES



[MontgomeryCountyMD.gov/ZEV](https://www.MontgomeryCountyMD.gov/ZEV)

# Why Buy an Electric Vehicle?



## Save Money\*

Save up to \$10,000 on fuel and maintenance costs over 5 years.



## Better Ride

Enjoy high performance and near-instant acceleration.



## Cleaner Air\*\*

Breathe easy with no tailpipe emissions and less climate-warming CO<sub>2</sub>.



## Energy Independence

Charge at home and end reliance on volatile gasoline prices.

\*Based on \$600 savings on maintenance costs (\$0.04/mile) and \$1,400 savings on fuel costs per year, at 15,000 miles driving per year. Individual savings will vary based on vehicle type, miles driven, and fuel costs.

\*\*Sedan style gas vehicles can emit 381 grams of CO<sub>2</sub> per mile while similar battery electric vehicles are responsible for 114 grams of CO<sub>2</sub> equivalent emissions from utility power sources in Montgomery County.



# What to Know About EV Charging



**Charging at Home** is one of the biggest benefits of owning an EV. Most EV owners charge at night and start each day with a full battery.

Charging at home can add \$20-50 per month to your electric bill, depending on how often you charge. **Ask your utility about time-of-use rates that can reduce your charging costs.**

On average, installing a Level 2 charger at home costs \$1,200, but prices can vary. Contact a qualified electrician to get a recommendation and cost estimate.

## CHARGING IN PUBLIC

Charging can be done at **over 500 public charging stations in Montgomery County**, including 90 DC Fast Charging ports.

Find public charging and plan your trip with a variety of websites and mobile apps like *Alternative Fuels Datacenter*, *PlugShare* and *ChargeHub*.



## TYPES OF CHARGERS



### Level 1 Charger

- 5 miles of range for every hour of charging
- **Plugs into standard 120V outlets** with manufacturer-provided charging cord
- Overnight charging meets your needs if you normally drive 40 miles or less daily



### Level 2 Charger

- 25 miles of range for every hour of charging
- **Can be installed at home with a 240V circuit**
- Commonly found at retail and public parking



### Level 3 Direct Current Fast Chargers (DCFC)

- Full charge in 30 minutes or less
- Found along highways and public charging locations
- More expensive than other charging options
- Not compatible with plug-in hybrids and some fully electric models