CLEAN CITIES GEORGIA
PARTNERSHIP FOR CLEAN TRANSPORTATION

MANAGING EV RANGE

The average range for all EVs sold in 2020 is 250 miles, with some models exceeding 400 miles. But range often depends on weather and driving habits.

Charging while at home or work instead of overnight can improve your EV's battery life. If you do need to charge at a public station, more options are becoming widely available. You can use some of the below resources for finding charging stations:

- Your vehicle's dashboard (EV's 2018 and newer include station locator features)
- Alternative Fuel Center Database website (use QR code)
- PlugShare (app and website)
- Electrify America
- ChargePoint

BATTERY LIFE

Electric vehicles operate off of lithium-ion batteries. Electric vehicle companies are mandated to maintain an eight year or 100,000-mile warranty on batteries, but there are methods to increase battery life.

1. Do not rely on DC charging. DC charging is an excellent way to quickly recharge a battery, but reliance on DC charging can shorten a battery's lifespan.
2. Always try to park electric vehicle in garages or shaded spaces when possible.
3. Follow manufacturer guidelines for optimal battery performance.

ANSWERS TO COMMON ELECTRIC VEHICLE QUESTIONS

1. **What if I need to charge while away from home?** Public charging infrastructure is widespread
2. **Are EVs more expensive to own than gas vehicles?** EVs are cheaper to fuel and maintain than gas vehicles.
3. **Are EVs completely zero-emission?** All EVs are zero-emission.
4. **Can I buy any EV in Georgia?** Not all EVs are available in Georgia. Check with manufacturers to see what is available.
5. **Does EV production affect the environment?** Keeping power plant emissions in mind, EVs are still a cleaner option than gas vehicles.
6. **What if I can't buy an EV yet but want to try one out?** Leasing is a great option if you are interested in an EV but can't or do not want to own an EV.

TYPES OF EVS

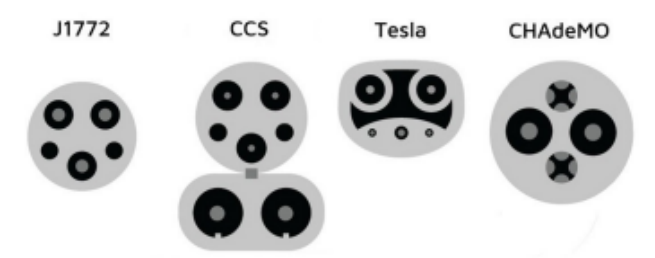
Battery Electric Vehicle (BEV): Fully electric vehicles that use an electric motor and battery. The most cost-effective and environmentally friendly option.

Plug-In Hybrid Electric Vehicle (PHEV): Operates via gas and a rechargeable battery. Offers 12 - 50 miles of electric power and is much more cost-effective than traditional hyrbrids.

Hybrid Electric Vehicle (HEV): Operates using a gas engine and small electric motor. Mostly relies on gasoline but produces usable electric power through braking.

BASIC EV INFORMATION

CHARGER TYPES AND CURRENTMARKET STATS



HOME CHARGING

LEVEL 1: COMES WIITH ELECTRIC VEHICLE, PLUGS INTO A STANDARD OUTLET, CHARGES 124 MILES IN 20 HOURS

LEVEL 2: PURCHASABLE AS A THIRD-PARTY PRODUCT, USES PLUG-IN ADAPATER, CHARGES 124 MILES IN FIVE HOURS

PUBLIC CHARGING

LEVEL 1 AND LEVEL 2: AVAILABLE FOR ALL ELECTRIC VEHICLES, SAME CHARGE SPEEDS AS ABOVE

LEVEL 3: MUCH STRONGER CHARGER THAT IS ONLY AVAILABLE FOR CERTAIN ELECTRIC VEHICLE MODELS, CHARGES 124 MILES IN 30 MINUTES

TOOLS AND RESOURCES

ALTERNATIVE FUELS DATA CENTER

DOE WEBSITE FEATURING TOOLS FOR ALTERNATIVE FUEL VEHICLE RESEARCH

GEORGIA IN CHARGE

A GREAT RESOURCE FOR FINDING ELECTRIC VEHICLE DEALERS NEAR YOU

DRIVE ELECTRIC GEORGIA WEBSITE

OUR AFIILIATE WEBSITE FOR ALL THINGS ELECTRIC VEHICLES