**Why Drive an EV?**

**Environment** – Reduces GHG and smog-producing pollutants

**Clean Energy, National Security and Fuel Savings** – Use domestically produced electricity at 1/3 the cost of foreign oil resulting in major fuel savings for EV owners

**Driver Satisfaction** – Instant torque, quick acceleration, whisper quiet and simple drive train with fewer moving parts to repair or replace

---

**What are the Different Types of Vehicles?**

**Internal Combustion Engine Vehicle (ICE)**

Vehicles propelled by an engine that solely relies on the combustion of gasoline or other fuel as its power source

**Plug-in Hybrid Electric Vehicle (PHEV)**

Hybrid vehicles that plug into the grid so they can operate on electricity as well as an internal combustion engine

**Zero-Emissions Vehicle (ZEV)**

Vehicles that have zero tailpipe emissions, including battery electric and fuel cell electric vehicles. Other ZEVs include:

- **Zero-Emission Motorcycles (ZEM)**
  Two- or three-wheeled electric vehicles meeting the Massachusetts Vehicle Code definition of a motorcycle

---

**Are there different types of charging stations?**

**Charging Equipment**

- **Level 1 (120 volt)**
  Typical household outlet utilized for light-duty appliances

- **Level 2 (240 volt)**
  Typical household outlet utilized for heavy-duty appliances

- **DC Fast Charge (480 volt)**
  Commercial chargers used for quick public charging

**How long does charging take?**

**Charging Time**

- **Level 1** = 6 miles of range per hour of charge
- **Level 2** = 10-15 miles of range per hour of charge
- **DC Fast Charge** = 80% charge in 30 minutes*

*Based on 24 kilowatt-hour battery

**Public Charging**

Network of charging stations across the state including Level 2 and DC Fast Charging

For a list of charging stations please see one of the following:

- plugshare.com
- afdc.energy.gov/stations
- na.chargepoint.com/charge_point