



ELECTRIC VEHICLE FAQs



Are there electric vehicles (EVs) available similar to my current vehicles?

EVs can now match nearly any fleet's current operations, including delivery step vans, work trucks, cargo vans, shuttle buses, and even heavy-duty freight trucks. The Mass Fleet Advisor team can help determine which make and model meets your needs.



How do I know if an EV can travel as far as I need it to go?

Most manufacturers provide the estimated range an EV can travel on a 100% charge on their website. This can change based on whether you use city or highway routes, daily temperature, and the weight of any cargo. It is estimated that over 91% of all medium-or heavy-duty truck routes in Massachusetts are electrifiable. Fleets can also use the Alternative Fueling Station Locator to find charging options on their route.



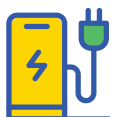
How does the cost of an EV compare to traditional models?

The cost difference between a traditional gas or diesel model and its electric equivalent varies by class and vehicle type. Electric pickup trucks, cargo vans, and medium-duty trucks now cost about as much as gas/diesel models. In many cases, fleets can experience annual fuel and maintenance savings with EVs that result in overall savings across the total lifetime of a vehicle.



What incentives are available for EV purchases?

The MOR-EV rebate program is the most straightforward way to save money on an EV purchase in Massachusetts with three separate funding pools for different vehicle types. Federal tax credits and various grant programs are also available for both vehicle purchases and charging. Utilities may offer funding to help cover upgrade costs needed to install chargers. The Mass Fleet Advisor team can identify all incentive opportunities you qualify for and help you apply for funding.



I'm interested in an EV, but I don't know if we have enough electricity to support chargers. How can I find out?

A complementary onsite assessment is provided to each Mass Fleet Advisor participant, where our electricians will determine how much capacity you have available, how much charging you could support with that capacity, and what new equipment or service upgrades you'd need to support chargers.

**Massachusetts has cold winter temperatures. How do I know an EV will remain reliable?**

Cold weather can reduce an EV's range, mostly from needing to warm both passengers and the vehicles itself to operate. But energy-saving practices, like pre-heating the cabin and battery while still connected to the charger, keeping vehicle doors closed as much as possible, and charging midday on extremely cold days, will help mitigate this loss. Many fleets have successfully deployed EVs in cold climates.

**Will my electric bill dramatically increase if I buy an EV?**

In almost all cases, the fuel savings from transitioning to electric offsets any slight increases in your electric bill. Smart charging software can ensure EVs charge when electricity demand, and cost, is lowest.

**I'm concerned about the price of batteries. How often would I need to replace my EV's battery?**

Battery technology is continually evolving and improving, but you should expect to see a decrease in range after 12 years. Batteries should be replaced when the range can no longer meet your operational needs.

**I want my vehicle to be fully charged at the beginning of each day. Do I need a DC fast charger?**

DC fast charging is not required for most businesses. Depending on daily driving range, EVs generally need at least six hours to fully recharge using a Level 2 charger, meaning overnight charging is more than sufficient. Most fleets also do not need a full charge to complete daily routes, requiring even less time to charge. A DC fast charger is recommended for heavy-duty vehicles due to their larger batteries and any vehicle with limited dwell time or 24-hour usage.

**What are some benefits to transitioning to EVs that I may not know about?**

EVs provide significant fuel and maintenance savings and reduce emissions, resulting in cleaner air for drivers and communities. Businesses can also experience improved public brand perception by being a leader in sustainability. Drivers also enjoy the quietness and smoothness of switching to EVs.

**Learn more about what Mass Fleet Advisor can do for you.**

Sign up now for free fleet electrification guidance.

www.massfleetadvisor.org