

ELECTRIC FLEET VEHICLES



As your Touchstone Energy® cooperative, we want to be your source for energy and information. Since electric vehicles (EVs) are becoming more mainstream, we put together a variety of fact sheets and information to help answer questions you might have.

Contact us for more information about EVs.

From shuttling our mail to supporting our towns, cities and campuses, fleet vehicles are all around us and have a tremendous impact on our lives. Today, many organizations are electrifying their fleets for financial, environmental and operational reasons.

BENEFITS

COST SAVINGS

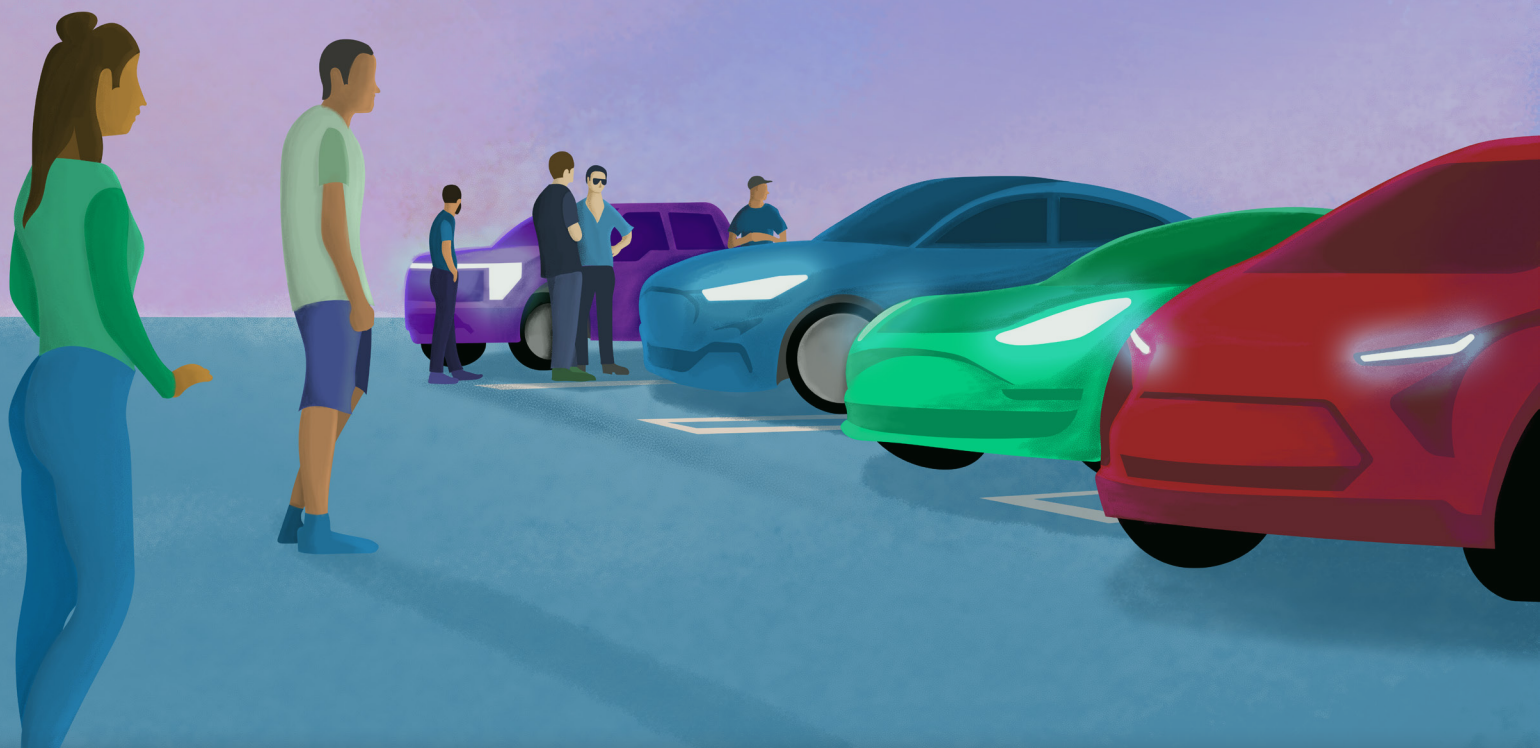
- **Fuel and Maintenance:** Electric vehicles (EVs) are highly efficient, and electricity prices are cheaper and more stable than gasoline. EVs also contain a fraction of the moving parts of their internal combustion counterparts, so they cost less to maintain, and common scheduled maintenance is a thing of the past.
- **Total Ownership:** Thanks to their reduced fuel and maintenance costs, EVs can save thousands of dollars over their lifetimes, and these savings can be invested back into the community or your organization.

ENVIRONMENTAL ADVANTAGES

- **Emissions Reductions:** EVs produce no tailpipe greenhouse gases or air pollutants when driving on electricity, providing cleaner air for our communities. They are even superior when considering the emissions associated with the electricity needed for charging.
- **Sustainability Initiatives:** With their lowered emissions, EVs provide a great way to meet government or corporate sustainability goals and promote social responsibility and leadership.
- **Quiet Driving:** EVs are much quieter than gas-powered vehicles and help reduce noise pollution.

OPERATIONAL CHARACTERISTICS

- **Mileage:** The driving range of EVs continues to improve, and fleets often have predictable routes, which lessens concerns about range anxiety.
- **Charging Convenience:** The centralized parking typically employed by motor pools and fleets offers a convenient place for charging stations.
- **Data Connectivity:** EVs are a “connected” technology: They track driving distance and behavior, diagnostics and maintenance, charging sessions and battery health for more informed decision-making.
- **Onboard Power:** Certain EV models can supply power to electronics, tools and appliances – sometimes even while on the go – to make it easier to get work done.
- **Guilt-free Idling:** No tailpipe means no worrying about the emissions or cost impacts of idling.
- **Satisfaction:** EVs are not only clean and quiet but also fun to drive. With their enhanced performance, they can improve employee satisfaction, support retention and boost awareness for others, which helps normalize electric transportation.



Popular Fleet Vehicles. LSV = low-speed vehicle; BEV = battery electric vehicle; PHEV = plug-in hybrid electric vehicle

Type	Make	Model	Estimated Range	Category
LSV	Polaris GEM	eL XD	12-68 miles	Utility Vehicle
BEV	Chevrolet	Bolt EV	259 miles	Hatchback
BEV	Nissan	LEAF SV Plus	212 miles	Hatchback
BEV	Tesla	Model 3	267 miles	Sedan
BEV	Ford	Mustang Mach-E	247 miles	SUV
BEV	Volkswagen	ID4	255 miles	SUV
BEV	Ford	F-150 Lightning	240 miles	Pickup
BEV	Rivian	R1T	314 miles	Pickup
BEV	Ford	E-Transit	126 miles	Van
PHEV	Toyota	Prius Prime	25 miles electric/640 miles total	Hatchback
PHEV	Ford	Escape	37 miles electric/520 miles total	SUV
PHEV	Mitsubishi	Outlander PHEV	24 miles electric/320 miles total	SUV
PHEV	Hyundai	Tucson Plug-in Hybrid	33 miles electric/420 miles total	SUV
PHEV	Chrysler	Pasifica Hybrid	32 miles electric/520 miles total	Minivan

This article was provided by Advanced Energy, a nonprofit energy consulting firm. For more information, visit www.advancedenergy.org.

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