

# Choosing Fleet Electrification

Working with ComEd to Protect the Environment  
and Deliver Value to Your Business

**Clean air is essential to the health of communities and the economy across northern Illinois.** We are building on the strength and reliability of our smart grid to drive innovation, power new clean technologies and build a better environment for future generations. That's why we're working with our large commercial and industrial customers to discuss beneficial electrification, which describes the use of electricity for end-uses that would otherwise consume fossil fuels. This application of electricity in technology—or electrotechnologies—creates a broad range of environmentally smart business solutions that enable large commercial and industrial customers to establish or achieve their sustainability goals. Fleet electrification is particularly promising for ComEd's large commercial and industrial business customers.

## WHAT IS FLEET ELECTRIFICATION?

Fleet electrification transitions fleets from conventionally fueled vehicles (gasoline and diesel) to cleaner, more efficient battery electric vehicles (EVs). The transportation sector represents about one-third of total U.S. greenhouse gas emissions, and reducing emissions from light, medium, and heavy-duty fleets will have a major impact on our environment and combat climate change.

**30%**  
OF OUR FLEET  
BY 2025

ComEd's commitment to electrifying **30 percent** of our fleet **by 2025 will eliminate 2,000 metric tons** of greenhouse gas emissions annually, in addition to the **4,000 metric tons** our current fleet enables us to avoid annually.

**50%**  
OF OUR FLEET  
BY 2030

Our goal of electrifying **50 percent** of our fleet by **2030 has the potential to eliminate an additional 29,000 metric tons of greenhouse gas emissions.**

# Benefits of Fleet Electrification

Companies across the U.S. are moving toward EV fleets to decarbonize their operations, meet sustainability goals, protect the environment and reduce operating costs.

**With fleet electrification, companies can:**



## **Reduce fuel and maintenance costs.**

A fleet owner choosing between a traditional internal combustion engine vehicle and equivalent electric vehicle will not just consider price parity, but also the total cost of ownership. Higher upfront costs of EVs are largely offset by the reductions in fuel cost and maintenance over the life of the vehicle. The main cost driver of EVs—the battery—has declined substantially. Battery costs are expected to reduce significantly over the next decade, increasing the affordability of fleet electrification.



## **Create healthier communities.**

By shifting from locally burned fossil fuels to cleaner electricity produced in state, Illinois can realize significant reductions in the emissions of carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>) and particulate matter, which reduces public health impacts.



## **Demonstrate environmental stewardship.**

Electrotechnologies reduce emissions and address growing concerns about sustainability and health, as it relates to air quality in local communities.



## **Enhance grid reliability.**

EVs provide the grid with access to mobile energy storage for frequency and balancing of the local distribution system and support advanced grid services.

## TAKING THE NEXT STEP TO FLEET ELECTRIFICATION

ComEd Large Customer Services account managers are prepared to help customers learn more about how fleet electrification and other energy management solutions can lower energy consumption, reduce carbon footprints and improve business performance.

**Start the conversation:**

<b>Estimate the baseline electricity requirements</b> of a company's vehicle fleet	<b>Identify vehicle charging equipment options</b> in terms of charger type, charge speed and cost	<b>Develop charging station configurations that work</b> with a company's existing space, support current and future operations, maximize equipment lifecycles and control costs
<b>Learn about potential cost-saving opportunities</b> through ComEd's off-peak charging programs	<b>Explore opportunities to partner with ComEd</b> in conducting charging demonstrations	