Natural Gas Vehicles (NGV)
Driving businesses across Illinois

Key benefits of Compressed Natural Gas (CNG) vehicles

• **Proven and reliable** – More than 15 million CNG vehicles are in use worldwide, with about 135,000 in the U.S.

• **Economical** – CNG fleet vehicles realize an overall cost savings of as much as 50% over diesel fuel, particularly after factoring in available alternative tax credits.

• **Domestic fuel** – Gas supplies are abundant domestically, reducing our dependence on foreign oil and weather-related shortages.

• **Eco-conscious** – CNG vehicles are much cleaner than traditional vehicles, producing up to 90% lower emissions than gasoline or diesel.

• **Quieter** – Heavy-duty NGVs have an 80-90% lower decibel level than comparable diesel vehicles.

• **Safety** – Natural gas is a safe and reliable fuel source and unlike traditional fuels, it dissipates into the atmosphere in the event of an accidental release.

Nicor Gas is the largest natural gas distribution company in Illinois, serving 2.2 million customers in more than 650 territories across the state. We can assist you with all aspects of getting natural gas service to your CNG site. While Nicor Gas does not build, operate or maintain CNG stations, it’s important to get us engaged early in your project to identify what type of natural gas infrastructure may be required, in order to provide you with your desired load and pressure requirements. Nicor Gas can also assist you with your site evaluation and analysis for converting your fleet to CNG.

NGV fueling

At CNG stations, the natural gas is typically taken from the local gas utility’s infrastructure, compressed, and then dispensed into the vehicle’s storage tanks at high pressure. There are two basic types of fueling equipment: fast-fill and time-fill.

- **Fast-fill systems** combine a compressor and a high-pressure storage system. The storage system enables filling the vehicle’s fuel tank in about the same time it takes to fuel a regular vehicle.

- **Time-fill systems** do not have a storage system and typically refuel vehicles overnight. Public CNG stations are currently limited but are starting to become more available. Customers may also choose to install their own CNG fueling stations.

Can my existing fleet be converted to CNG?

Absolutely. Several vehicle manufacturers offer NGVs directly from the factory, and EPA-approved conversion systems are available for many different vehicle makes and models suitable for your fleet.

Visit ngvamerica.org/vehicles/vehicle-availability for a list of available vehicles.

nicorgas.com/natural-gas-vehicles/business-fleets

Freightliner Cascadia CNG Truck with Cummins-Westport 12-liter engine, courtesy of Daimler Trucks North America