



Let's get decarbonized using natural (renewable) gas

Did you know that renewable natural gas (RNG) is the single most impactful pathway to reducing harmful emissions from the heavy-duty transportation sector, both immediately and over the next 10 years? With global governments voicing the urgency of addressing climate change and reducing emissions, it's time to learn more about the world's only carbon-negative fuel.

As fleets in North America continue to explore alternative fuel solutions to improve efficiency and meet local, state, and federal emission guidelines, diversifying your fleet's portfolio to include clean solutions is a critical element to sustainable operations and meeting customer demand.

We recognize every fleet is uniquely positioned; our goal is to develop a natural gas program that aligns with your day-to-day fleet operation. Here are some key considerations.

Renewable Fuel

Compared to other alternative fuels, natural gas vehicles (NGVs) deliver the most cost-effective NOx and CO2 emissions reductions, and the reductions are even more dramatic when using RNG. RNG, derived from organic waste, offers the lowest carbon intensity solution of any transportation fuel. In fact, RNG using some waste streams is *carbon negative!* Furthermore, NGVs are already equipped to operate on RNG. If you are considering clean transportation options as part of your corporate sustainability initiative, NGVs are the right fit for your fleet.

No Aftertreatment

Unlike diesel trucks, NGVs do not require complex aftertreatment systems. This eliminates concerns and downtime tied to diesel particulate filters (DPF), regenerations, or selective catalytic reduction (SCR) equipment. With more simplified maintenance cycles, NGVs have increased up-time. Allowing trucks to spend more hours on the road means increased profit. Additionally, federal weight exemptions are available to fleets who operate NGVs, so you can haul the same loads with cleaner vehicles.

Stable Fuel Prices

Abundant, stable natural gas fuel prices enable long term reduced fuel expenditures compared to fluctuating diesel. NGVs eliminate fuel price spikes tied to oil supply and global geopolitical events. Energy security is a key driver of NGV adoption.

Natural Gas Fueling Network

Fueling infrastructure for NGVs includes over 1,000 retail access natural gas fueling stations across the United States with several scheduled to open this year. The majority of the stations are open 24/7, 365 days and accept all major fleet and credit cards. Alternatively, depending on your location, size, and need, you may find that building an onsite natural gas fueling station dedicated to your fleet is an appealing option.

NGV Applications for Class 5 – 8

Whether you operate a medium- or heavy-duty fleet, NGV options for freight, refuse, transit, delivery, and work truck applications are commercially proven and available. Cummins Westport offers certified B6.7N, L9N and ISX12N engines that meet near-zero low-NOx 0.02g/bhp-hr. and are available as a factory-direct option from leading truck OEMs. These engines operate the same as diesel engines; no additional driver training is required.

For Class 5 & 6 delivery fleets, Hexagon Agility's fuel system when installed on the General Motors 6.0L V8 engine is CARB and EPA certified to meet low NOx 0.02g/bhp-hr. The CNG certification and technology enable vehicles such as the Freightliner Custom Chassis MT45 and MT55 walk-in vans, with a GVWR of up to 23,500 lbs., to be upfitted with Hexagon Agility's proprietary natural gas controls and fuel systems. This new product conforms with the proposed 2024-2027 new CARB NOx emission regulations, as well as EPA's standards issued under the Clean Air Act.

**For additional information,
please contact our company experts**

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Extended Fuel Range Options and Innovation

Hexagon Agility provides a number of fuel range options for both [ProCab®](#) and [ProRail®](#). The [ProCab®](#) 175 (175 diesel gallons equivalent (DGE)) and dual [ProRail®](#) 60 (120 DGE) CNG storage systems provides combined 295 DGE fuel storage with driving range of well over 1,300 miles to make sure fleets can go the distance.

In addition, Hexagon Agility's [Blue iQ®](#) Digital Smart Gauge provides real-time distance to empty, fuel level, and mileage information as seen in Hexagon Agility's video explainer available [here](#). Blue iQ® also provides a fuel-efficient Eco Mode and Low Fuel Derate functionality, interacting with the Cummins Westport natural gas engine to improve fuel economy, extend range, and prevent engine malfunctions at low fuel levels.

Peace of Mind

Hexagon Agility has supplied natural gas fuel systems for over 60,000 commercial vehicles worldwide, and the number is growing. Our internal Customer Care and Technical Support Group provides peace of mind to our customers through Hexagon Agility's established service network, technical training, warranty program, and parts supply.

Grants and Incentives

To further your savings, there are numerous federal, state, and local grants available to offset the up-front costs of NGVs and improve fleets' return on investment. For a complete list of available funding programs, visit [Natural Gas Vehicles for America \(NGVA\)](#) or contact a Hexagon Agility Sales Manager (listed below). Many fuel station providers also offer funding support, making access to grants an easy and streamlined process.

About Hexagon Agility

Hexagon Agility®, a business of Hexagon Composites, is a leading global provider of clean fuel solutions for commercial vehicles and gas transportation solutions. Its product offerings include natural gas storage and delivery systems, Type 4 composite natural gas cylinders, propane, and natural gas fuel systems. These products transport clean gaseous fuels and enable vehicles to reduce emissions while saving operating costs. Learn more at www.hexagonagility.com and follow us on social media.

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