NATURAL GAS VEHICLES
An American Energy Answer
The importance of finding a solution to the nation's current economic and energy challenges is at an all-time high. Natural gas vehicles (NGVs) are an American energy answer. They offer the same benefits of gasoline- and diesel-powered vehicles, but provide more advantages by running on a clean, affordable fuel that can help create U.S. jobs and lessen our country's dependence on foreign oil.

**The power behind NGVs**

Compressed Natural Gas (CNG) is a readily available alternative to gasoline that is made by compressing natural gas to less than 1% of its volume at standard atmospheric pressure. Consisting mostly of methane, CNG is odorless, colorless and tasteless. It is drawn from domestically drilled natural gas wells in geological formations across America.  

*Natural gas is an effective transportation fuel for four key reasons:*

**NGVs are Clean**  
NGVs operate on compressed natural gas. This environmentally friendly fuel can reduce CO₂ emissions up to 30% and toxic pollutants by up to 90%.¹ New EPA standards are moving toward emission requirements for fleet vehicles, which means entities such as school districts will have to add emission control devices to their fleets. As a cleaner burning fuel than gasoline, natural gas can help meet these new demands.

**Natural Gas is Abundant**  
New natural gas reserves are being discovered in North America each year, resulting in increases in volume. According to government agency studies, the U.S. has enough natural gas to last for at least 120 years.²

**Natural Gas is Affordable**  
The process of producing natural gas and compressing it for transportation is more energy efficient than other alternative fuels. When compared to the market price of gasoline and diesel, natural gas prices have remained more stable over the past several years.

**Natural Gas is American**  
Although the U.S. controls 4% of the world's oil reserves, it consumes 25% of total global oil production.³ Global oil demand is skyrocketing, with a 60% growth predicted by 2020. To meet this demand, world production will have to increase by 64 million barrels per day over the next 15 years.⁴

Unlike oil, America has no need to import natural gas, as we have all we need in our own country. In addition, American natural gas producers control all of the reserves needed for transportation.
NGVs can provide an economic boost for America

Economic stimulation is needed in our country right now. The scale up of natural gas as a transportation fuel will create much needed jobs and businesses to help move the economy forward. Domestic automakers can continue to build all sizes of vehicles because natural gas can power everything from semitrucks to small performance cars. Auto manufacturing plants can continue to produce all models of vehicles by only altering the fuel system during assembly. Plus, the economic savings for cities and states with the use of CNG can lead to a reduction in fuel costs for school and transit buses, as well as sanitation vehicles.

Take a look at just some of the NGVs that are currently available.

**Conversions** (bi-fuel or dedicated)
- Ford F150 Truck
- Ford F250 Truck
- Ford F350 Truck
- Ford Expedition
- Ford Focus
- Ford Crown Victoria
- Mercury Grand Marquis
- Lincoln Navigator
- Lincoln Town Car
- Ford E250 Van
- Ford E350 Van
- Ford E450 Van
- Chevrolet Silverado C1500 Truck
- Chevrolet Silverado C2500 Truck
- Chevrolet Silverado C3500 Truck

**Dedicated from the factory**
- Honda Civic Gx
- Bluebird School Bus
- International School Bus
- Thomas School Bus
- Street Sweepers
- Waste Disposal Trucks/Dump Trucks
- Forklifts and Industrial Vehicles
- Numerous Heavy-duty; Class 8 Semitrucks (CNG and LNG)
- Mass Transit Buses
Natural gas infrastructure
Our country has millions of miles of natural gas pipeline already in the ground. This method of delivery reduces diesel emissions from trucks that would normally transport liquid fuels such as gasoline or diesel, making it more environmentally friendly. With this network already in place for public and fleet vehicle use, all that is necessary are more refueling sites to help meet the growing demand.

Take action
Government support is needed. Strategic incentives from the government will give Americans a choice to use clean American energy, rather than continue to rely on foreign oil. You have an opportunity to speak up for more CNG vehicles, stations and action. Contact your local legislators today and encourage their support of NGVs – Visit www.cngnow.com for more information.
How to fill up an NGV

Traditional Dispenser

1. Remove the fill-up nozzle from the dispenser. Make sure the lever is turned counterclockwise before connecting. Connect the nozzle to the fitting on your vehicle and lock it in place by turning the lever clockwise.

2. Swipe your credit or debit card.

3. Once your card is approved, flip the lever up on the dispenser. You should hear the gas flow through the line. Read the electronic percentage gauge on the dispenser. When it reaches 80 - 100%, it will automatically shut off. **NOTE:** Since the compressor is putting the gas into the vehicle under pressure, you will hear it cycle on and cycle off. This is normal as the system is gathering information on gas temperature and pressure. The compressor will continue to fill the vehicle until it is full. Disconnect the fill nozzle and return it to the dispenser.

Congratulations! You’ve just filled up with an environmentally friendly fuel that is produced in America and supports our economy.

Flex Hose Dispenser

1. Remove the fill-up nozzle from the dispenser. **NOTE:** Make sure the lever on the flexible hose is turned clockwise before connecting. The arrows on the handle should point down in the “off position.” The hose should be easy to bend and attach. If it is pressurized, the hose will be firm and unwilling to bend. Connect the nozzle to your vehicle by pulling back the black sleeve on the nozzle and pushing it over the fitting on your vehicle. The nozzle will lock into place when a proper seal has been established. **NOTE:** You may have to remove the gasoline cap from your gasoline tank if the flex hose will not
directly fit over your tank attachment. Once connected, turn the lever to pressurize the hose. The arrows should point up in the “on position.”

2. Swipe your credit or debit card.

3. Once your card is approved, flip the lever up on the dispenser. You should hear the gas flow through the line. Read the electronic percentage gauge on the dispenser. When it reaches 80 - 100%, it will automatically shut off. **NOTE:** Since the compressor is putting the gas into the vehicle under pressure, you will hear it cycle on and cycle off. This is normal as the system is gathering information on gas temperature and pressure. The compressor will continue to fill the vehicle until it is full. When full, disconnect the fill nozzle and return it to the dispenser.

Congratulations! You’ve just filled up with an environmentally friendly fuel that is produced in America and supports our economy.

**Buses Only**

This dispenser is made for large transit buses and large trucks only. All other vehicles will not hook up to this hose.

**Know your pressure!**

This station is equipped to deliver compressed natural gas (CNG) at 3,600 PSI and 3000 PSI. Review the dispenser listing for pressure at the top of each unit. A sign will read 3600 or 3000 PSI for the proper designation. If your vehicle is not rated to accept CNG at this pressure, do not fill up at this station. Doing so could result in serious injury. You can tell the rating of your vehicle by checking inside the fuel fill door on your vehicle or in your owner's manual.
Learn more

For more information on the use of NGVs, costs, investment alternatives and other information, please visit www.cngnow.com.

1 U.S. Department of Energy
2 American Clean Skies Navigant study
3 Energy Information Administration
4 International Energy Agency