

Fuel Your Fleet with Natural Gas

Natural gas is quickly becoming the preferred transportation fuel for fleets of all sizes for many reasons.

It's affordable.

The long term stability and low prices for natural gas as compared to gasoline and diesel are a significant benefit, in addition to lower vehicle maintenance costs.

It's better for the environment.

Harmful emissions such as carbon dioxide, carbon monoxide, nitrogen oxide and others are reduced 25 to 90 percent.

It's abundant and American.

North America provides 98 percent of our supply with new reserves being discovered all the time.

It's safe and reliable.

NGVs and fuel tanks meet strict safety and code standards. Natural gas has a higher ignition temperature than gasoline and it's lighter than air, so it dissipates quickly, if a spill occurs.

A smart solution for your fleet.

Natural gas is not only a clean, affordable, domestic and safe fuel for your home and business, but also for your transportation. The many benefits of natural gas are driving businesses, schools and governments to convert their fleets to compressed natural gas (CNG).

CNG can fuel light duty trucks, vans, transit buses, refuse trucks, school buses and semi-trucks. All natural gas vehicles (NGVs) have the same power, gas mileage and performance as gasoline or diesel vehicles.

"Natural gas meets requirements established for alternative fuel vehicles."

Natural Gas Vehicle Options

Approximately 50 manufacturers of trucks and automobiles now offer natural gas models as a factory option - called an OEM or Original Equipment Manufacturer. However, NGVs are sold at a premium as compared to gasoline or diesel models.



If OEM is not an option, many gasoline and diesel vehicles can be converted to a natural gas dedicated or bi-fuel system. There are many EPA certified vehicle conversion companies that retrofit existing vehicles. For a list of available conversions from EPA certified companies, go to www.ngvamerica.org.

Today, there are two types of CNG fuel systems available:

- Dedicated vehicles that run solely on CNG that have the same fuel capacity as a gasoline or diesel tank.
- Bi-fuel vehicles that have the ability to run on either CNG or gasoline/diesel. These bi-fuel vehicles typically retain their original gasoline/diesel tank and are retrofitted with an additional, smaller-capacity CNG tank.

"CNG is made by compressing natural gas to less than 1 percent of its volume at standard atmospheric pressure."





NGVs have been in use for more than 60 years. Today, there are approximately 153,000 NGVs on U.S. roads and more than 15.2 million world-wide.

Waste Management, IESI and other waste management companies have converted nearly 9,000 refuse trucks to natural gas.

Fleets large and small are taking advantage of natural gas fueled vehicles. In 2014, AT&T added its 8,000th CNG vehicle to their nationwide fleet. UPS plans to add 1,400 more CNG trucks to their existing 5,000 alternative fuel vehicles.

There are approximately 5,700 CNG school buses in use across the U.S.

Dallas Area Rapid Transit is one of 125 transit agencies that have replaced aging bus fleets. There are more than 11,300 CNG transit buses in operation across the country.

General Motors, Ford and Chrysler now offer bi-fuel light and medium duty OEM pickup trucks.

Honda offers the Civic in a dedicated CNG passenger car.

For more information, contact:

Fuel and Maintenance Savings

Converting your fleet to natural gas can save money at the pump and throughout the life cycle of the vehicle. Although, the length of time to realize a payback will depend on the number of vehicles, the premium to purchase or convert to CNG, gallons of fuel consumed and fuel cost.

- Go to www.ngvamerica.org/vehicles to find a customizable pay back calculator.
- Natural gas costs are competitive with gasoline and diesel fuel costs. However, unlike oil prices, the cost for natural gas is predicted to remain stable for years to come due to the abundance of domestic natural gas supply.
- Many companies and organizations report that maintenance costs are less because NGVs operate cleaner.
- Noise levels are also reduced. NGVs have an 80-90 percent lower decibel level than comparable diesel vehicles.

“Natural gas for vehicles is measured and sold in “GGE” or gasoline gallon equivalent. One GGE has the same energy and will fuel a vehicle for the same number of miles as a gallon of gasoline.”

Fueling Station Options

As the demand for NGVs increase, America’s refueling infrastructure - both private and public stations - is quickly growing to meet that demand. Refueling is easy and safe with pressure-sealed dispensers. And vehicles can be refueled overnight or within a matter of minutes with high-pressure compression equipment.

Public Stations

The growth of NGV fleets and public support is helping to increase the number of public CNG pumps at service stations nationwide. These may be stand-alone CNG stations or a dispenser located at a gasoline/diesel station. To find public stations in your area go to www.ngvamerica.org/stations.

Private Stations

Many companies, municipalities and school districts choose to build private stations for their fleet. A variety of options exist for compression equipment and natural gas supply to meet budget and other requirements for each fleet.

“Local, state and/or federal assistance could be available to help purchase an NGV or help fund an alternative fuel station. It’s also a good idea to understand state and federal tax implications.”