

GIBSON COUNTY ENERGY COMPLEX

Compressed Natural Gas Station

Frequently Asked Questions

What is compressed natural gas (CNG)?

Compressed natural gas (CNG) is natural gas stored at high pressure. Natural gas primarily consists of 99% methane. CNG is made by simply compressing natural gas.

Will compressed natural gas (CNG) harm my engine?

No. Compressed natural gas (CNG) is actually better for your engine because it burns cleaner. CNG does not contain lead, so spark plug life is extended because there is no fouling. Plus, CNG does not dilute or contaminate crankcase oil. This reduces maintenance costs and the overall life of the engine.

Can a compressed natural gas (CNG) conversion be installed on a gasoline or diesel engine?

Yes. A diesel engine requires a dual-fuel system with the proper diesel/CNG mix to operate safely at peak performance. The conversion will be a mixture of the two fuels simultaneously with impressive added power and fuel economy.

A Conversion specialist will need to inspect the conversion. The conversion centers are located as follows:

Phoenix Energy

**100 25th Street S
Birmingham, AL 35233
205-453-0241**

Mach Fuels

**3333 Saint Elmo Ave
Chattanooga, TN 37408
423-805-7777**

Altech-Eco

**101 Fair Oaks Rd
Arden, NC 28704
828-654-8300**

Can you drive these vehicles on both natural gas and gasoline?

Absolutely! The engine technology in today's engines with fuel injection will allow you to drive on both fuels.

Where can I purchase a truck and what is the cost?

Currently the Certified Natural Gas dealer in this area is Golden Circle Ford in Jackson, TN. The additional cost for the conversion is approximately \$10,000. The trucks come from the factory and are sent to Alabama to have the EPA certified kit put on the vehicle.

Does a compressed natural gas (CNG) conversion violate the Clean Air Act?

No. CNG conversions do not alter the engine control unit (ECU) and no emission systems are modified.

Where can I fill my vehicle with CNG?

For the most comprehensive, up-to-date list, please visit the following websites to find all the natural gas refueling stations.

www.cngprices.com

www.cngnow.com

www.afdc.energy.gov/locator/stations

Currently 11 CNG stations in TN

Station Name	Street Address	City	State	ZIP
Natural Fuels LLC	591 E Monticello Pike	Huntsville	TN	37756
Piedmont Natural Gas	541 Spence Ln	Nashville	TN	37210
Clean N' Green	1428 Antioch Pike	Nashville	TN	37013
Memphis Light, Gas and Water - North CNG Center	1130 Tupelo St	Memphis	TN	38108
Love's	402 N 1st St	Nashville	TN	37207
Gibson County Utility District	1301 US 45 Bypass	Trenton	TN	38382
Greater Dickson Gas Authority	605 E Walnut St	Dickson	TN	37055
Onsite CNG	1818 Holiday Dr	Athens	TN	37303
Sevier County Utility District	420 Robert Henderson Rd	Sevierville	TN	37862
Memphis Light, Gas and Water - South Center CNG	3071 S Center Dr	Memphis	TN	38109
Love's	1130 W Highway 2570	Newport	TN	37821

How much compressed natural gas (CNG) will my vehicle use?

The amount of CNG used depends on the vehicle size and engine. There may only be minor variations in the actual fuel mileage between petroleum and CNG.

Will I be able to pass my state inspections?

Yes. You should not have any trouble passing your inspections. Typically, emissions are much lower with compressed natural gas (CNG).

How long will my compressed natural gas (CNG) conversion last?

High quality CNG conversions will last for many years and will most likely outlast the life of the vehicle.

How many natural gas vehicles are in the world?

There are approximately 15.3 million natural gas vehicles in the world and there are more than 18,000 refueling stations in the world. Estimates are that in the next 5 years that the global number of natural gas vehicles will increase to 50 million.

What country has the most natural gas vehicles?

There are over 2.7 million in Iran; 1.5 million in Pakistan, Argentina, and Brazil; and 450,000 in China.

How much natural gas is in the United States?

Estimates indicate that there is over 120 year supply of natural gas. If you figure in the methane hydrates that surround our costal shores, this number is estimated to double.

What about the environment and natural gas hydraulic fracturing?

In a recent EPA report, it was determined that hydraulic fracturing for natural gas was safe and that there was no appreciable contamination to water.

Also, natural gas only has one carbon atom. The emissions from your vehicle will be greatly reduced and you may experience less frequent oil changes and a longer engine life.

Information compiled 2015.