

Public Compressed Natural Gas (CNG) Fueling Station



COMPRESSED NATURAL GAS (CNG) is a growing transportation fuel that powers the cleanest vehicles in commercial production today. Natural gas vehicles, fueled by CNG, are available in all vehicle classes from light-duty compact cars to heavy-duty buses, refuse trucks, and semis. Use of CNG is not only good for the environment; it makes good business sense with the average cost of CNG being lower than gasoline or diesel. In fact, KUB's fleet has been using CNG since the 1970's with reduced impact on the environment, resulting in six national awards since 2008. At the April 16, 2015 Board meeting, KUB announced the planned construction of a new public CNG station to support the growth of its CNG fleet of vehicles, and also enable the growth of CNG in the Knoxville area. The station is expected to be open by January 2017.

Frequently Asked Questions

What is Compressed Natural Gas?





Over 98,000 KUB customers currently use natural gas energy to heat their homes, warm their water, or cook with on a stove top or grill. The same fuel is compressed and used to fuel natural gas vehicles. These vehicles work just like conventional gasoline or diesel-powered vehicles; however, CNG has the advantage of already being a gas, which helps the engine run cleaner.

Why is KUB building a public CNG station?

KUB plans to double its CNG fleet to approximately 100 vehicles by 2020. KUB's current CNG fueling station has reached its end of life, and its size will not support the projected growth in fleet, so a new station is being planned. As part of the planning process, KUB recognized that, for some additional cost, the station could also serve the public. With a lack of commercial CNG stations in the Knoxville area, KUB often receives requests from local and national fleets to sell CNG to the public, and the new station would address both KUB's needs and help meet a community need as well. The site will be located on KUB property, adjacent to the Hoskins Operations Center accessible from Third Creek Road in a location to serve interstate traffic. This will be Knoxville's first public CNG station and the fourteenth public station in Tennessee, joining Athens, Chattanooga, Huntsville, Memphis, Nashville, Sevierville, Trenton, and Wartburg. Publicly owned stations like these are viewed as a way to help grow the CNG market in the community until the private sector market develops.

What are the benefits of CNG?

Customers will have a cleaner and more affordable transportation fuel option for all classes of personal and commercial vehicles. Today, the vast majority of natural gas vehicles are found in larger commercial fleets such as transit buses, waste disposal trucks, and delivery vehicles. At KUB, CNG powers sedans, light duty trucks, and dump trucks. Using CNG to fuel a fleet offers many advantages, including:

-  **Cleaner Fuel** – Emissions from engines using CNG are inherently lower than from gasoline or diesel engines. In fact, these vehicles only produce 5% to 10% of the emissions allowable by today's most stringent emissions standards
-  **Less Cost** – CNG costs less per equivalent gallon than gasoline or diesel
-  **Safe** – CNG is a safe alternative vehicle fuel to gasoline
-  **Domestic Fuel** – 98% of the natural gas used in the U.S. comes from North America

How can I learn more?

You may visit www.kub.org, contact KUB Customer Service at (865) 524-2911, or email us at green@kub.org.



Customers will have a cleaner and more affordable transportation fuel option for all classes of personal and commercial vehicles.

References:

America's Natural Gas Alliance
www.anga.us

East Tennessee Clean Fuels
www.etcleanfuels.com

NGV Forum
www.ngv.com

U.S. Department of Energy-Vehide Technologies
www.afdc.energy.gov/afdc/vehides/natural_gas

