



AS A MATTER OF FACT... COMPRESSED NATURAL GAS (CNG)

OHIO OIL & GAS ENERGY EDUCATION PROGRAM



WHAT IS COMPRESSED NATURAL GAS (CNG)?

CNG or Compressed Natural Gas is natural gas that is compacted to high pressures so large volumes can be stored in small places like a fuel tank. The U.S. Department of Energy recognizes CNG as one of the cleanest burning fuels available. In fact, the burning of natural gas releases mostly water vapor.

AN OHIO OPPORTUNITY?

Ohio currently has a unique and exciting opportunity regarding CNG. The increased development of the Utica and Marcellus shale formations has dramatically altered the state's energy landscape. Ohio produced approximately one trillion cubic feet of natural gas in 2015, shattering previous records. The increased supplies have positioned CNG as an affordable fuel source. Ohio is also home to multiple companies that specialize in compressor manufacturing, another demonstration of the tremendous opportunity CNG provides to the Buckeye State.



WHO IS USING CNG?

Vehicles have operated on natural gas since World War II and currently more than 12 million vehicles worldwide (250,000 in the U.S.) are powered by natural gas. A growing number of Americans and Ohioans are finding CNG to be an economically and environmentally friendly way to power their vehicles. Several Ohio cities, transit systems and private businesses have purchased CNG vehicles. For example, the Stark Area Regional Transit Authority estimates it will save more than \$300,000 per year by operating CNG buses. Also, the Carrollton Exempted Village School District opened a CNG fueling station to not only serve district buses, but also the general public.

IS CNG CONVENIENT TO USE?

Numerous CNG fueling stations have been built and many more are planned. As cities have converted their fleets to CNG, many have opened public CNG fueling stations. Several Apps are available for download that can locate and identify CNG fueling stations across the country open for use. Multiple CNG vehicles are available for purchase from small cars to semi trucks, including heavy-duty trucks, delivery vans and buses.



Switch allows vehicle to be run on an alternative fuel (CNG) or gasoline/ diesel fuel.

