



5 Compressed Natural Gas MYTHS & FACTS

1

"CNG DOES NOT HAVE AN OPTIMAL USE"

Currently, the most viable market for CNG use is in fleets. This is due to the availability of infrastructure, as many existing fleets have a "return to base" model where vehicles return to a centrally located transportation center after their route.



2

"VEHICLE CONVERSIONS ARE NOT POSSIBLE"

Three types of conversions can take place among CNG vehicles. Dedicated fuel conversions, which convert a vehicle specifically to CNG, Bi-Fuel conversions, which allow a vehicle to run on either its native fuel or CNG, and Dual-Fuel conversions, which allow for diesel fuel to start the engine, and once on, run on CNG. (AFDC).

3

"CNG IS ONLY PRODUCED FROM FOSSIL FUELS"

Traditional Compressed Natural Gas is produced via fossil fuels, but Renewable Natural Gas (RNG) is not. RNG is rising in popularity by being the primary form of CNG used in 79% of vehicles on the road in both the US and Canada (RNG, Coalition, 2024).



4

"NG DOES NOT PRESENT EMISSIONS BENEFITS"

Current available natural gas technology is 90% cleaner than the cleanest diesel engine, and RNG reduces NOx emissions by 90%. (RNG Coalition, 2024). Additionally, when analyzing RNG, the carbon produced is biogenic carbon, meaning that it is naturally part of the carbon cycle. This deems RNG as a carbon neutral fuel. (RNG Coalition, 2024).

5

"CNG VEHICLES ARE IMPRACTICAL"

The different forms of natural gas are becoming available due to the increased presence of suppliers. Additionally, from an infrastructure standpoint, CNG infrastructure is comparatively durable to that of conventional fuels. Natural gas fueling infrastructure has an average lifespan of 15 years, and once compromised, it can be recycled.



For More Information, Visit...

<https://vacleancities.org/cleaner-transportation/>



Compressed Natural Gas Fact Sources

SOURCES

Clean Energy Fuels

- Roarke Katherman, Business Development Director, Eastern Region
- www.cleanenergyfuels.com

The Alternative Fuel Data Center (AFDC)

- <https://afdc.energy.gov/fuels/propane>

The Coalition for RNG

- "Environmental Benefits of RNG" Flyer
- "Understanding Renewable Natural Gas" Flyer
- General Information: www.rngcoalition.com

ADDITIONAL INFORMATION

Myth/Fact 2

- *Dual-Fuel arrangements are primarily used in heavy duty vehicles.*

Myth/Fact 4

- *About RNG: It is the gas of decomposed matter (ex. From landfill waste and methane) produced through anaerobic digestion (where microorganisms break down biodegradable material in the absence of oxygen) processed to purity standards.*

For More Information, Visit...

<https://vacleancities.org/cleaner-transportation/propane>