



**PROMETHEUS**energy

# LNG Quick Facts

## Mobile Fueling Solutions

Prometheus Energy is one of the largest and fastest growing suppliers of liquefied natural gas (LNG) to the industrial sector in North America. Prometheus provides turnkey fuel solutions to convert industrial users of diesel, propane and other crude-derived fuels to clean, domestic, secure LNG, resulting in reduced fuel cost and environmental footprint.

The company is vertically integrated from LNG production to distribution, to onsite storage and vaporization. A pioneer in the industrial LNG market, Prometheus developed first-of-their-kind conversions of industrial fuel consumers to LNG in numerous sectors.



LNG is a colorless, odorless, non-toxic, non-corrosive, cryogenic liquid. It is produced by cooling natural gas until it condenses into a liquid. LNG is simply natural gas in liquid form.

## General Conversion Figures

- 1 LNG Gallon = 82.6 standard cubic feet of natural gas
- 1 LNG gallon = 82,644 Btu
- 1,000,000 Btu / 82,644 Btu per gallon = 12.1 LNG gallons per MMBtu
- 10,000 gallons = 826 MCF
- 1 LNG tonne = 2,200 lbs / 3.5 = 621 LNG gallons per LNG tonne
- 1 LNG road tanker = 9,500 LNG gallons = 33,670 lbs of LNG = 785 MCF
- 1.68 Gallons of LNG = 1 Gallon of Diesel (on energy equivalents)
- 1 LNG gallon weighs 3.5 lbs
- Typical LNG composition = 97mol% C1, 1.5% C2, <0.25% C3+, balance N2

## Comparison Between LNG and Other Fuels

|                           | LNG                     | PROPANE              | DIESEL            |
|---------------------------|-------------------------|----------------------|-------------------|
| Btu Per Gallon            | 82,644                  | 91,000               | 139,000           |
| Gallons Per MMBtu         | 12.10                   | 10.99                | 7.19              |
| Relative Energy Density   | 1.00                    | 1.10                 | 1.68              |
| Ignition Temperature (°F) | 1004                    | 842                  | 437               |
| Leaks & Spills            | Vaporizes to Atmosphere | Gathers in low areas | Puddles on ground |
| Boiling Point (°F)        | -260                    | -44                  | 370+              |

Contact us today to see how Prometheus Energy can work for you at [info@prometheusenergy.com](mailto:info@prometheusenergy.com)