

NATURAL GAS VEHICLES

**AMERICA'S NEW
CHOICE FOR CLEAN
TRANSPORTATION**

www.tngas.org

Natural Gas Terminology

- CNG – Compressed Natural Gas
- LNG – Liquefied Natural Gas
- NGV – Natural Gas Vehicle
- GGE – Gasoline gallon equivalent
- DGE – Diesel gallon equivalent

Natural Gas Fast Fill Station

Fast fill stations fill vehicles rapidly using compression equipment and high pressure gas-storage systems. They take about the same time to fill as any gasoline pump.





Natural Gas Time Fill Stations

Time fill stations typically fill the vehicles overnight. They are ideal for fleets that return to a central location or for a home filling station.



WHAT'S AVAILABLE

Below are just a few examples of the CNG vehicles on the road today!



Lead By Example!



3 Reasons to Choose Natural Gas as a Transportation Fuel

- Environmental
- Political
- Economic

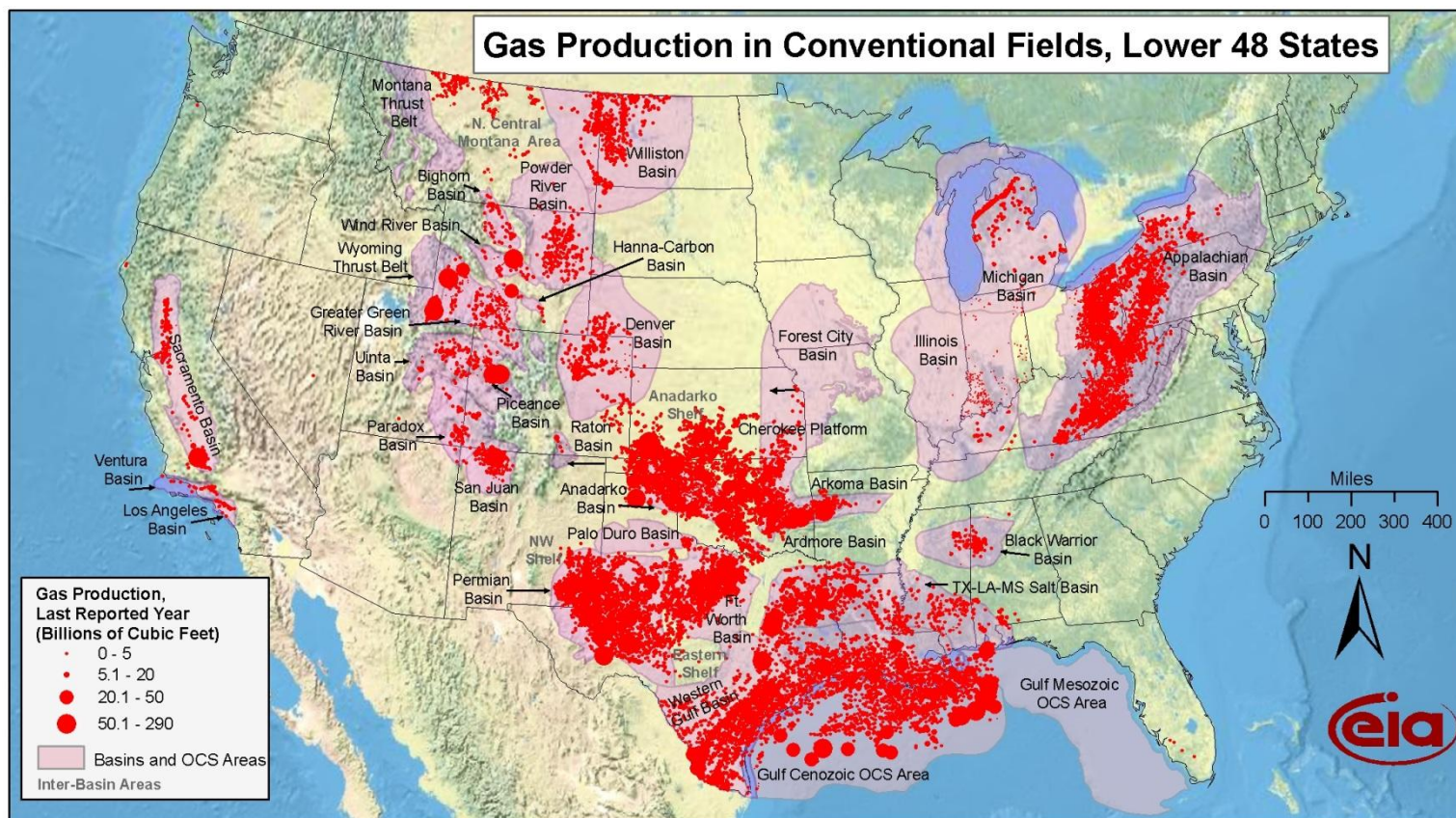
Natural Gas is Clean

- It is considered to be the cleanest fossil fuel because it produces fewer emissions than other fuels.
- Compared to gasoline and diesel, natural gas has less carbon - CH₄ vs. C₁₄H₃₀ vs. C₈H₁₈.
- CNG vehicles produce approximately 25% less CO₂ than gasoline or diesel.
- They also produce approximately 80% less nitrogen oxide than gasoline or diesel and approximately 90% less particulates.

America's Abundant Supply of Natural Gas

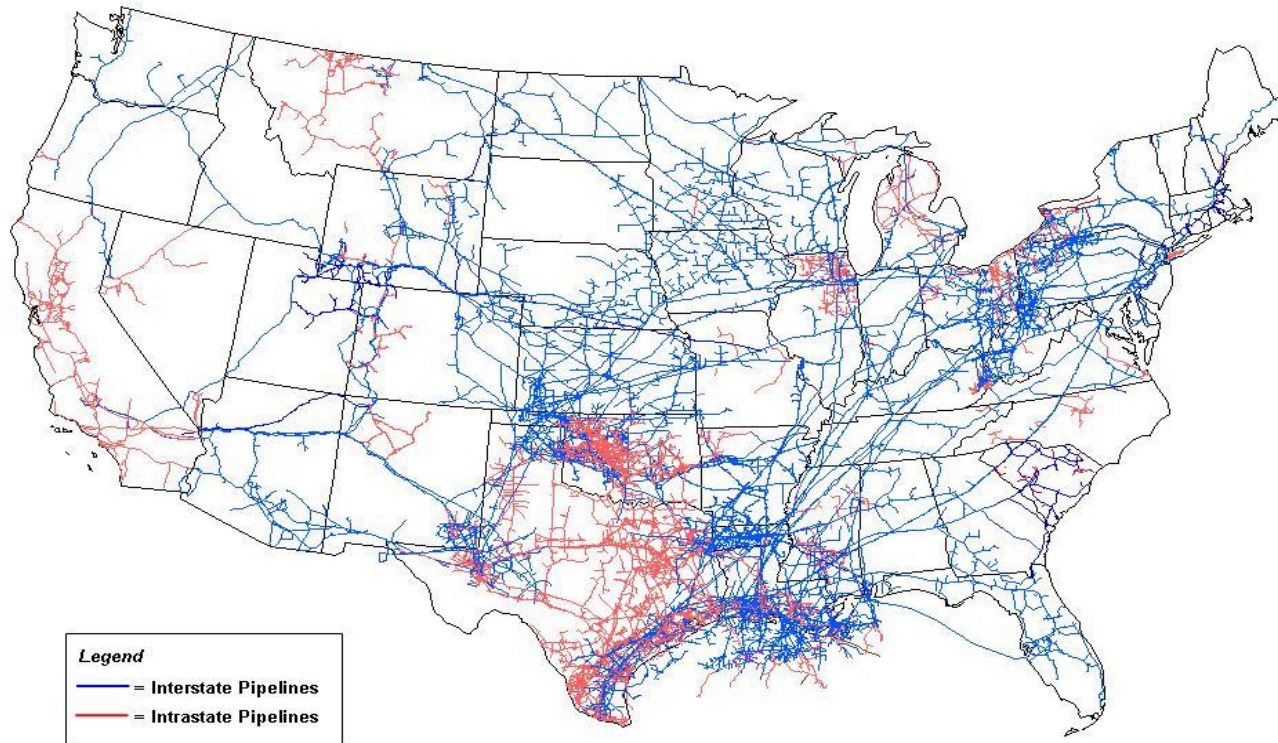
- With recent discoveries, North America's supply is estimated at 120 years.
- Landfill gas could produce the equivalent of 10 billion gallons of gasoline yearly.

Onshore Gas Reserves



Source: Energy Information Administration based on data from HPDI, IN Geological Survey, USGS
Updated: April 8, 2009

U.S. Pipeline Map



Source: Energy Information Administration, Office of Oil & Gas, Natural Gas Division, Gas Transportation Information System

Natural Gas is Domestically Produced

- 98% of the Natural Gas we use comes from North America!
- Approximately 60% of the oil we use comes from foreign countries.
- Approximately \$1 billion a day leaves this country due to oil imports.
- American Fuel = American Jobs!!

Dubai ~1990



Dubai Today



Economics

- Natural Gas is less expensive than gasoline or diesel.
 - A gasoline gallon equivalent (gge) of Natural Gas is approx. \$1.50 to \$2.50.
 - A diesel gallon equivalent (dge) of Natural Gas is approx. \$1.75 to \$2.50.

More Information

www.tnngv.org

www.cngprices.com

www.tngas.org

www.apga.org

www.middletncleanfuels.org

www.ETCleanfuels.org

www.cleanenergyfuels.com

www.ngvc.org

www.ngvamerica.com



Tennessee Natural Gas Vehicle Expo

Wed • April 4, 2012 • 9am - 2pm

State Capitol, Nashville, TN

War Memorial Auditorium and Legislative Plaza