

# Chesapeake

## Natural Gas production

### 10 facts about natural gas

1. Thanks to efficiency gains, today's average home uses 22% less natural gas than 20 years ago.
2. About 2,500 years ago, the Chinese piped natural gas from shallow wells and burned it under large pans to evaporate sea water for salt.
3. Natural gas was first used in America to illuminate the streets of Baltimore, Maryland in 1816.
4. The first successful American natural gas well was drilled in 1821 in Fredonia, New York – 27 feet deep.
5. Today, nearly 25% of America's energy needs are being met by clean-burning natural gas.
6. Natural gas is used as a raw material in many products, including fertilizers, chemicals, fabrics, pharmaceuticals and plastics.
7. Natural gas is delivered nationwide via a 2.2-million-mile pipeline system, almost all of which has been built since World War II in the 1940s.
8. Today, the U.S. natural gas pipeline network, laid end to end, would stretch to the moon and back twice.
9. More than half the homes in America – and 70% of all homes built after 2003 – use natural gas for heating, cooking and cleaning.
10. Natural gas is almost totally odorless after processing; the pungent smell normally associated with natural gas is actually added to it by utility companies to make leaks easier to detect.

### The long journey of natural gas, made routine and reliable:

- **Wellhead:** Where natural gas emerges from deep underground formations.
- **Gathering system:** A network of small-diameter pipelines that bring gas from wells to a central gathering point.
- **Processing plant:** A central gathering point where liquid hydrocarbons and impurities are removed from natural gas.
- **Transmission pipelines:** Larger diameter pipelines capable of moving natural gas thousands of miles from where it is produced.
- **Compressor stations:** Maintain high enough pressure inside the pipeline to cause the gas to flow toward market areas.
- **Storage facilities:** Usually near market areas and in deep underground rock formations allow immediate access to additional supplies to meet rapid changes in demand.
- **Local gas utilities:** The companies that take gas from pipeline and storage facilities and provide it to homes and businesses. These companies read meters to measure consumption and send invoices to their end-user customers.

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