

Natural Gas: The Facts

Natural Gas Customers

- Natural gas serves nearly 69.0 million homes; 5.5 million businesses like hotels, restaurants, hospitals, schools and supermarkets; 185,400 factories; and 1,825 electric generating units. On a daily basis, the average U.S. home uses 175 cubic feet of natural gas.
- Natural gas comprises more than one-fourth of all primary energy used in the U.S. and is directly linked to jobs and economic health.
- Residential space heating and water heating cost analyses show that natural gas costs less to use than other major home energy sources. Households that use natural gas appliances for heating, water heating, cooking and clothes drying spend an average of \$874 less per year than homes using electric appliances.
- Fertilizer used to grow crops is composed almost entirely of natural gas components, so U.S. agricultural producers rely on an affordable, stable supply of natural gas.
- Natural gas utilities do not earn a profit on the natural gas they deliver. They earn their revenues from the service and delivery fees they charge customers to transport the natural gas to them. This fee is directly linked to the volume of natural gas consumed, rather than the price of natural gas being delivered.

Lower Emissions

- Due to the higher efficiency of natural gas combined cycle generation compared with coal-fired boilers, natural gas emits 52 to 56 percent less greenhouse gases than coal for the same amount of electricity.
- A concerted effort by natural gas utilities to upgrade and modernize our nation's pipeline network to enhance safety has also contributed significantly to a declining trend in emissions from the natural gas system.
- Increased natural gas efficiency and the growth of renewable energy have contributed to energy-related carbon dioxide emissions hitting 25-year lows.

Efficiency

75
MILLION

There are nearly 75 million natural gas customers in the United States.

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- The direct use of natural gas in America's homes and businesses achieves 91 percent energy efficiency.
- The average American home consumes 40 percent less natural gas than it did 40 years ago.
- By funding natural gas efficiency programs, natural gas utilities helped customers save 239 trillion Btu of energy and offset 12.5 million metric tons of carbon dioxide emissions in 2016.

Domestically Abundant

- Domestic gas production accounts for nearly 92 percent of all-natural gas consumed in the United States and shale gas production now accounts for more than 50 percent of gas produced.
- According to the Energy Information Administration and the Potential Gas Committee, the U.S. estimated future supply of natural gas stood at 2,817 trillion cubic feet (Tcf) at year end 2016 – enough to meet America's energy needs for more than 100 years.

Safe and Reliable

- According to the U.S. Department of Transportation, pipelines are the safest form of energy transportation. Safety is the number one priority for America's natural gas utilities.
- There are more than 2.5 million miles of pipeline that transport natural gas to more than 178 million Americans throughout the U.S.
- Natural gas utilities spend more than \$26 billion annually to help enhance the safety of natural gas distribution and transmission systems.
- The dedicated efforts of natural gas utilities over the past decade have led to an approximately 40 percent decline in serious pipeline incidents throughout the natural gas distribution system.
- There are more than 1.4 million miles of plastic pipe – the leading edge of advanced utility pipeline materials. In the past decade, natural gas utilities have installed updated plastic lines at a rate of 26,600 miles per year.

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2.5
MILLION