

NATURAL GAS:

# Moving Our Nation Forward

Natural Gas Star and Methane  
Challenge Annual  
Implementation Workshop

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# 177 million

Americans use natural gas to heat their homes, warm their water and cook their food and that number continues to increase.



# More Affordable

Households that use natural gas for heating, cooking and clothes drying save an average of \$874 per year compared to homes using electricity for those applications.



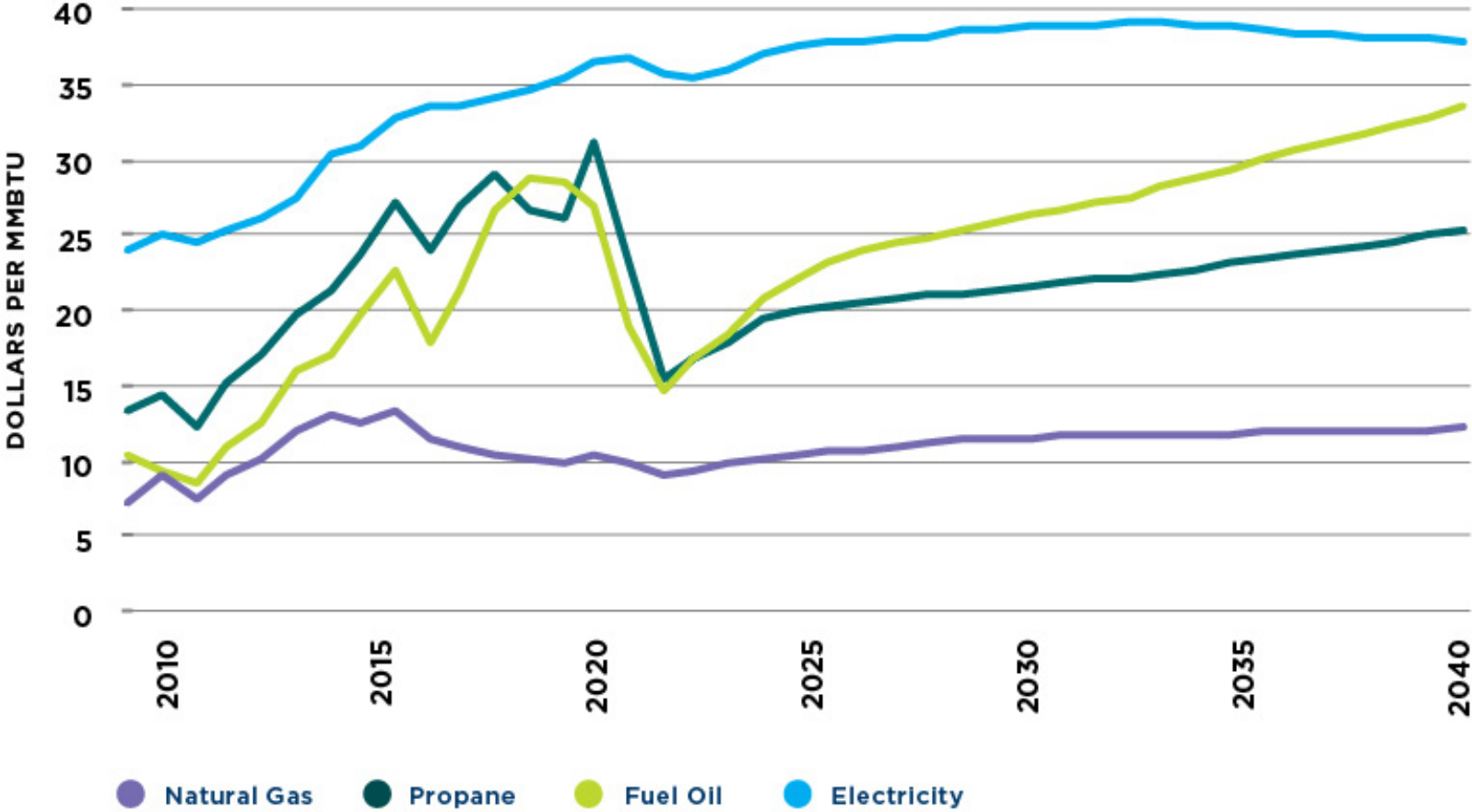
Average savings of

**\$874**

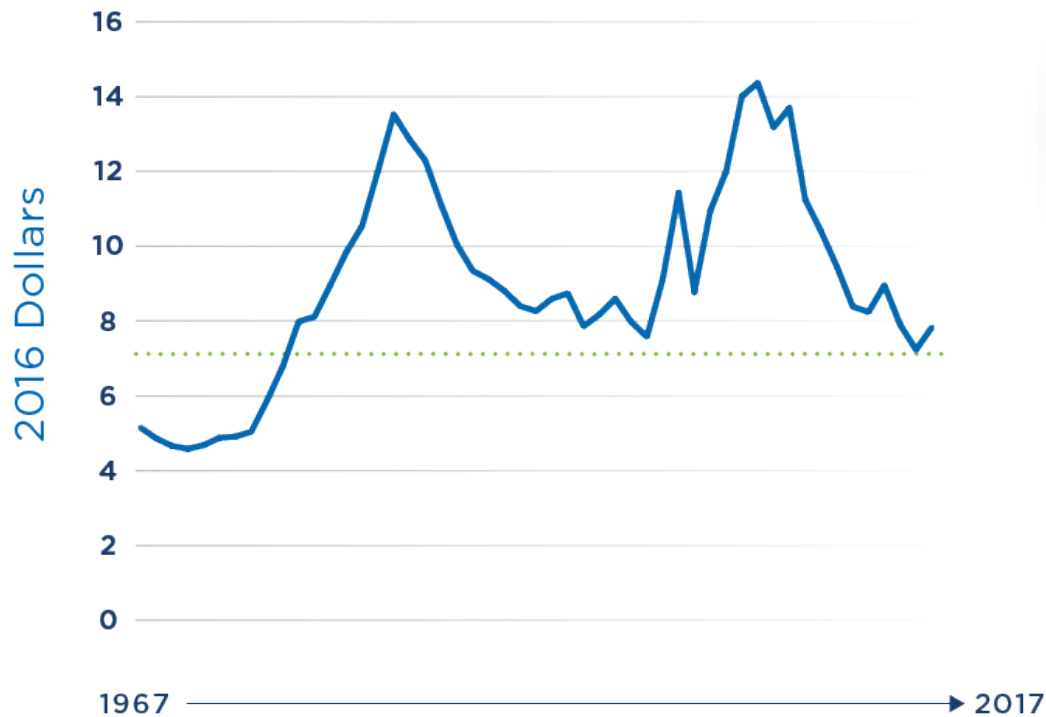
year low



# Annual Energy Costs to Residential Consumers



# Natural Gas Prices to Commercial Customers

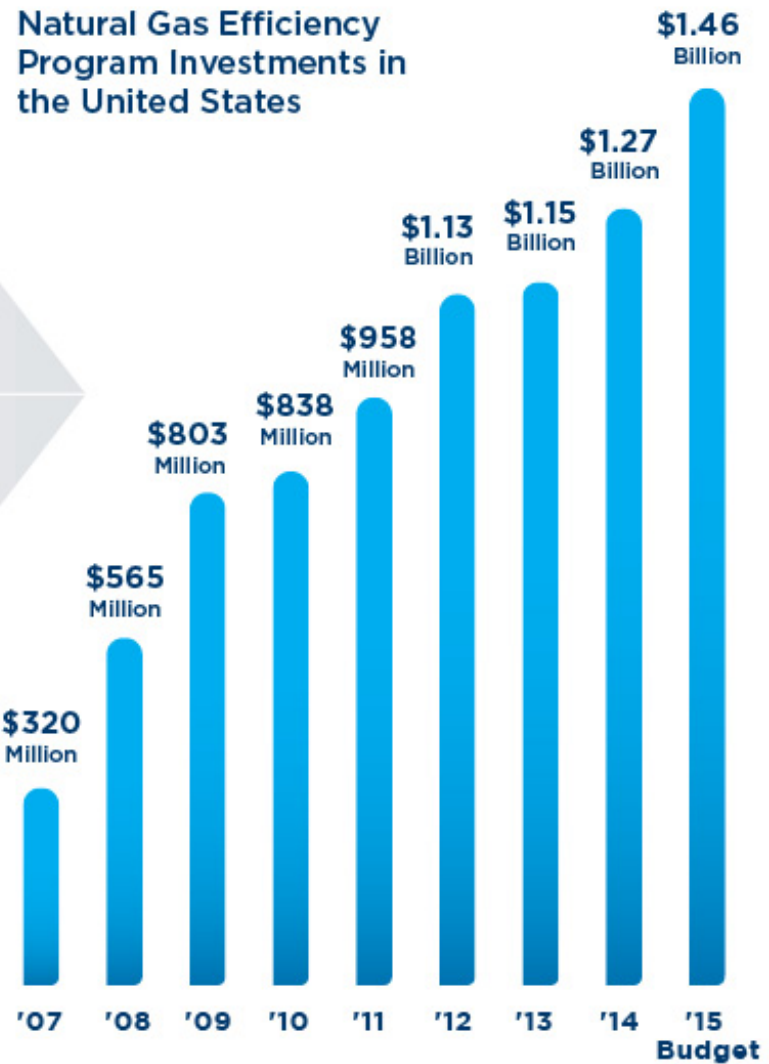


**40**  
year low

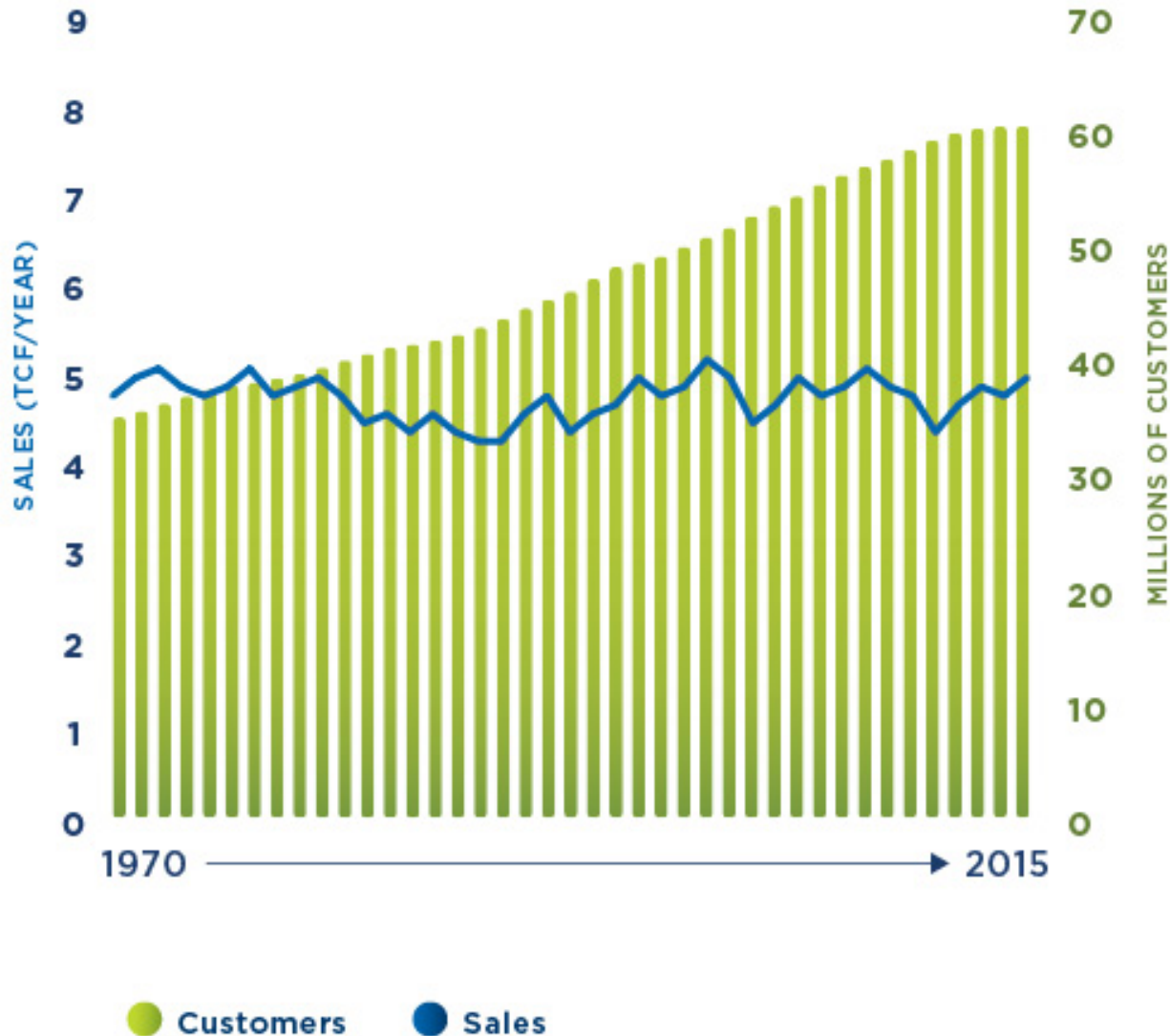
Commercial customers have not seen natural gas prices this low in 40 years.

## Commitment to Efficiency

Utilities helped customers save 175 trillion Btus of energy and offset 9.1 million metric tons of carbon dioxide emissions in 2014.



# Residential Natural Gas Use: An Efficiency Success Story

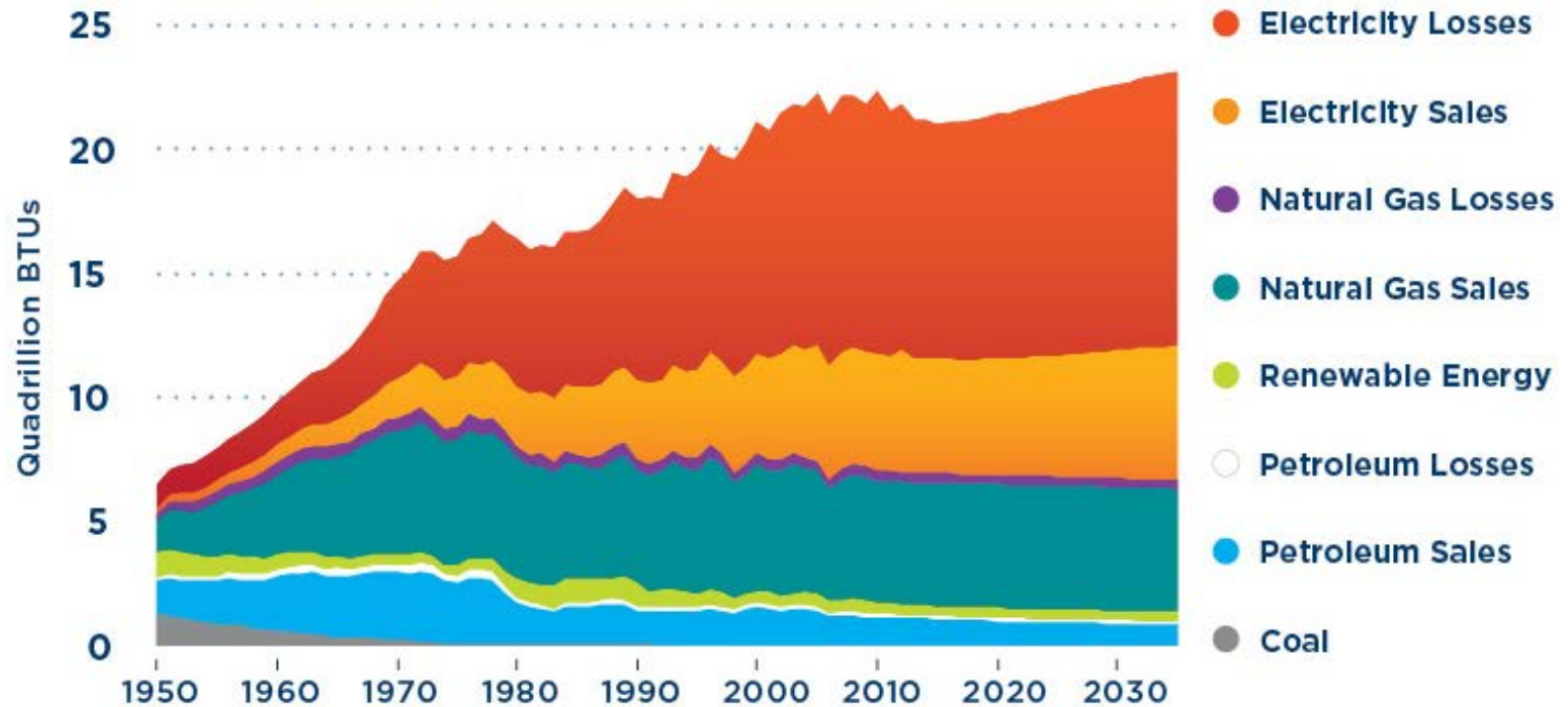


Natural Gas has  
made the U.S. an  
Environmental Leader





# Electric system losses account for half the energy consumed in the U.S. residential sector.



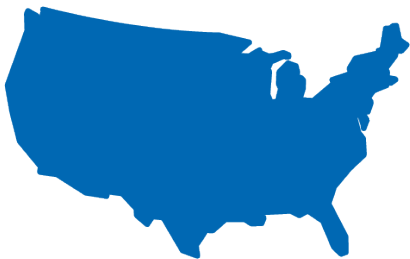
The direct use of natural gas can reduce emissions and prevent energy lost through the generation and distribution of electricity.

Source: U.S. Department of Energy, Energy Information Administration

# A Commitment to Reducing Emissions

Forty-five AGA member companies representing 69% of the natural gas customers served in the United States have joined.

**Since the inception of EPA's original Natural Gas STAR program in 1993, the 50 AGA member companies that have participated reduced natural gas emissions by a total of 46.8 Bcf.**





As little as

**0.1%**

Of the natural gas delivered nationwide is emitted from local distribution systems.

Throughout the country, natural gas utilities are upgrading pipeline systems to make them safer and are driving down emissions in the process.



PIPELINE LEAKS  
DECREASED  
**25%**  
for pipeline mains

and  
**16%**  
for services

**SINCE 1990**

According to the EPA Greenhouse Gas Inventory, based on data from a nationwide field study led by Washington State University published in March 2015.

# Pipelines Bring Opportunity

- Pockets of this country do not have access to natural gas
- Homes, businesses, factories and electric generators have the capacity to efficiently utilize more natural gas
- Gas utilities are working with energy planners, regulators and policymakers to bring the comfort and savings of natural gas to these new customers.



3 Years

*An interstate natural gas pipeline construction or expansion project takes an average of about **three years** from the time it is first announced until the new pipe is placed in service.*



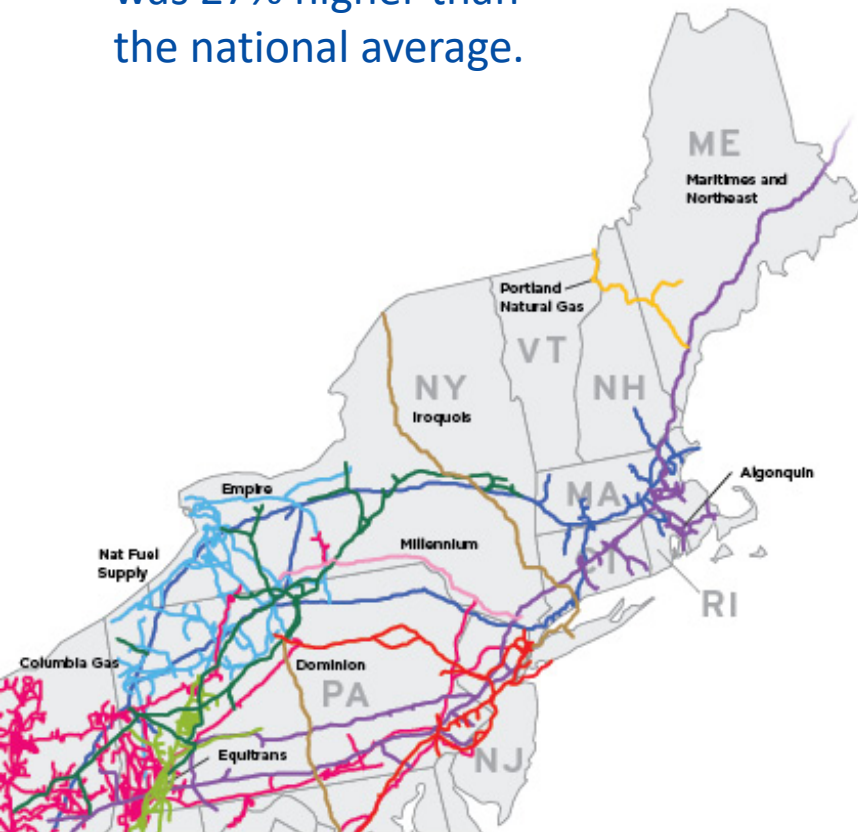
**"It is important that we ensure the necessary infrastructure is in place so that abundant, low-cost, clean natural gas can get to market and continue benefitting Americans."**

*– Robert Powelson, Pennsylvania Public Utility Commissioner and 2017 President of the National Association of Regulatory Utility Commissioners*



**↑ 27%**

The average price for natural gas for all users in New England in 2015 was 27% higher than the national average.



## Enabling Reliability

Gas utilities and pipelines offer innovative services to gas-fired generators for access to gas supplies in a timely manner in response to electric dispatch orders.

Services must be aligned with the market incentives for gas fired generators to enter into contracts for those services, when needed, without the creation of cross-subsidies.

# Extending the Benefits of Natural Gas

**39**  
States

*39 states have adopted or considered innovative expansion proposals, and that number continues to grow.*

Natural gas delivers cost savings and environmental benefits across the nation.

Many states are now looking at ways to expand natural gas infrastructure to more citizens and businesses



**American Gas Association**