

UP Energy Summit October 16, 2012



Rethinking Natural Gas

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> AGA American Gas Association

Delivering natural gas that fuels America's way of life

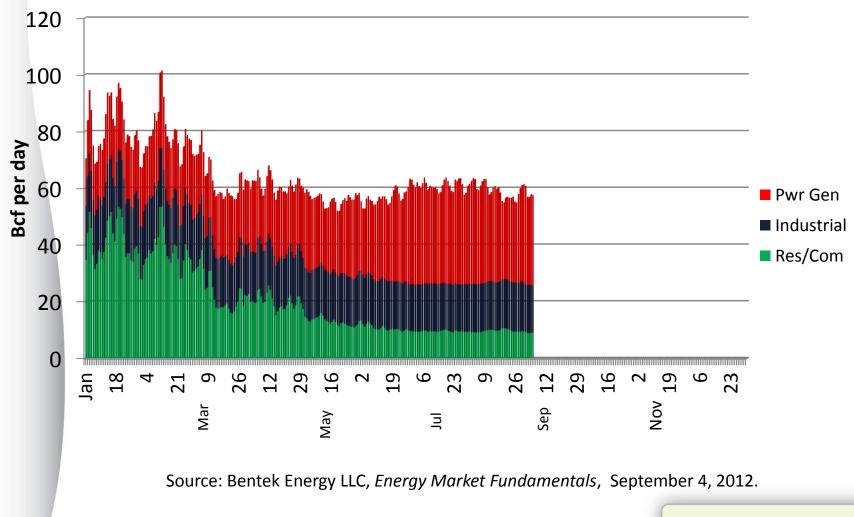
- The American Gas Association (AGA), founded in 1918, represents local natural gas companies that cleanly fuel the way of life of 175 million Americans nationwide
- 2.4 million miles of pipeline
- 92% of the residential and commercial customers receive natural gas from AGA member companies.



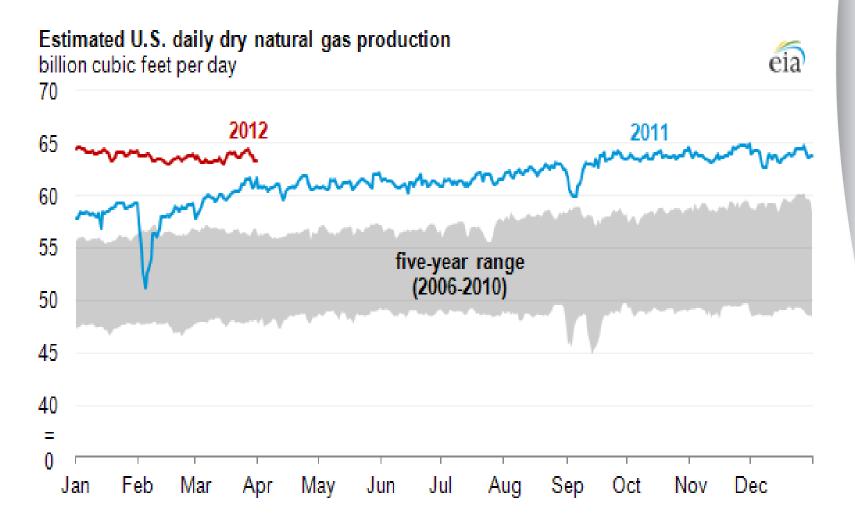
Is this your grandfather's natural gas industry?

Daily Natural Gas Consumption by Sector

January 1-September 4, 2011



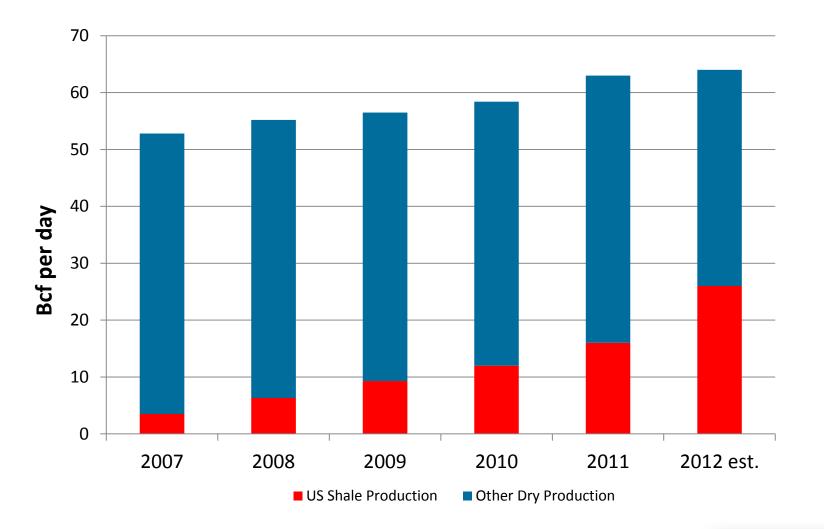
Daily Natural Gas Production

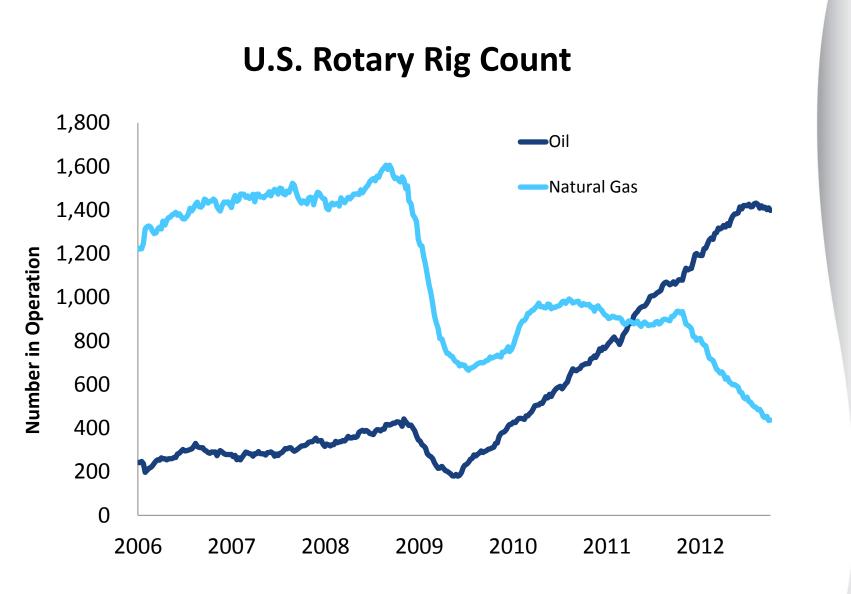


Source: Energy Information Administration, U.S. Department of Energy.

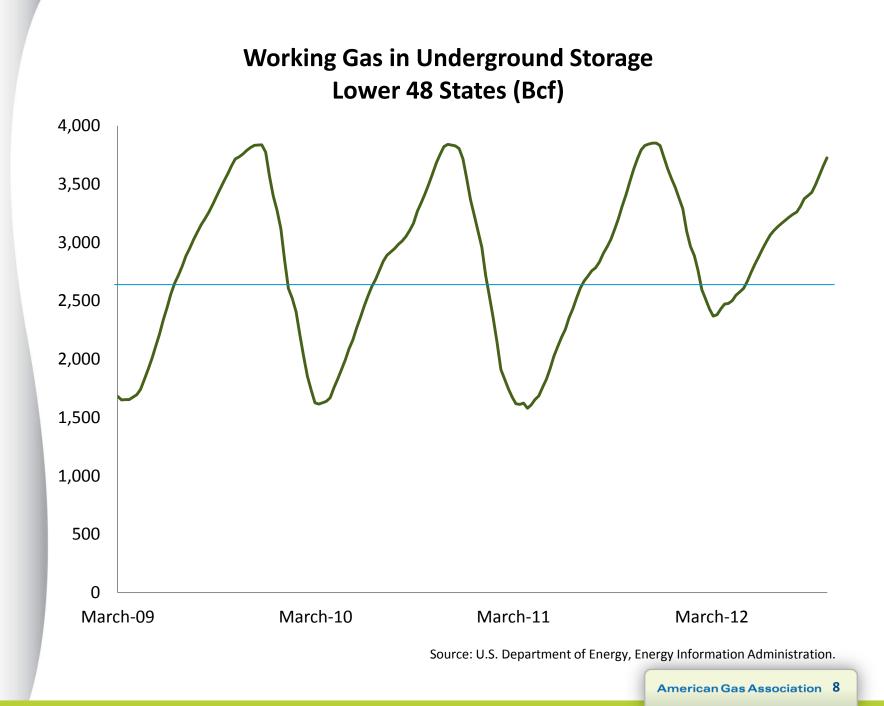
U.S. Shale Gas Production

Energy information Administration

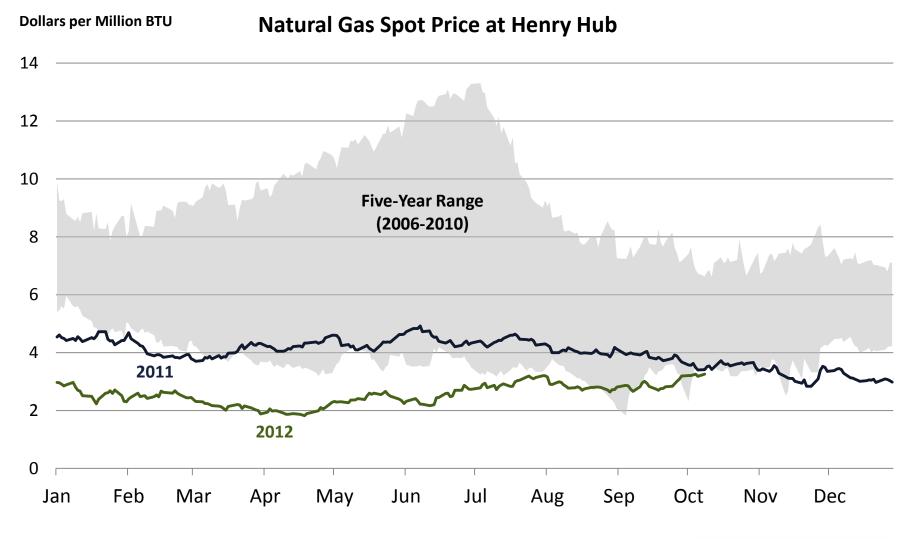




Source: Baker Hughes

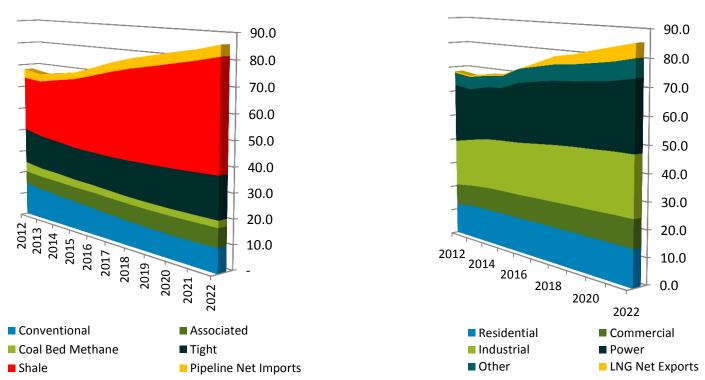


A real impact on natural gas prices



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

Supporting Increases in Demand



Natural Gas Use

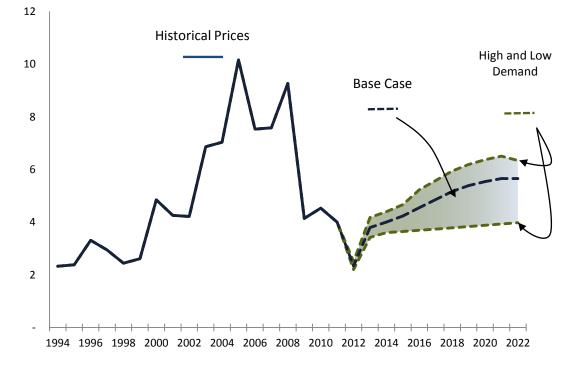
Natural Gas Supply

(Billion Cubic Feet per Day)

Source: The Promise of Natural Gas, p. 2, American Gas Association, © 2012, citing Source: Wood MacKenzie Spring 2012. See paper for outlook limitations.

A Future of *Market Stability*

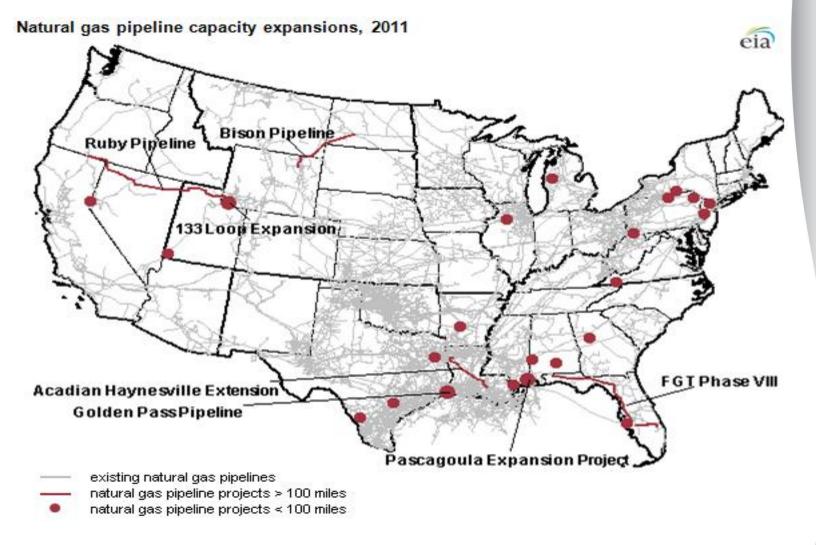




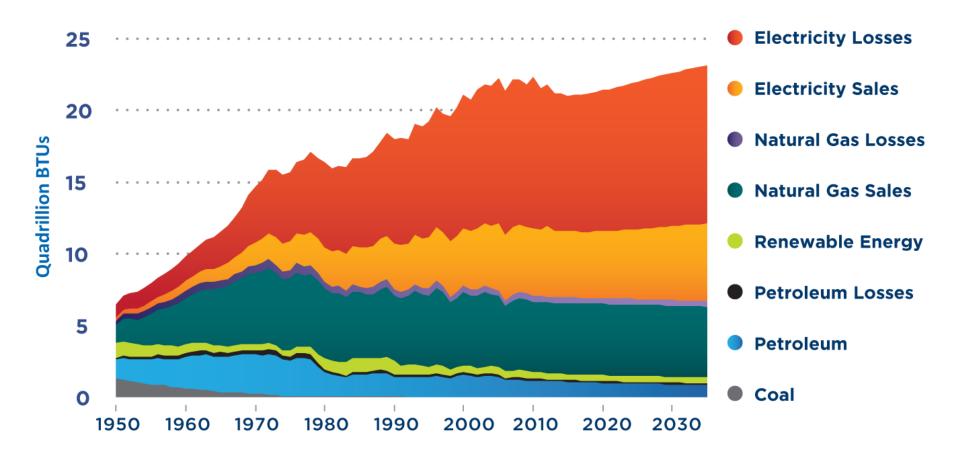
Source: Rethinking Natural Gas, A Future for Natural Gas in the U.S. Economy, p. 6, American Gas Association, © 2012, citing Source: Wood MacKenzie Spring 2012. See paper for outlook limitations.

Relative natural gas market stability during the next ten years —an outlook that supports responsible resource development and reflects continued advancements in extraction and impacts technology

New infrastructure will be needed



Residential Energy Consumption

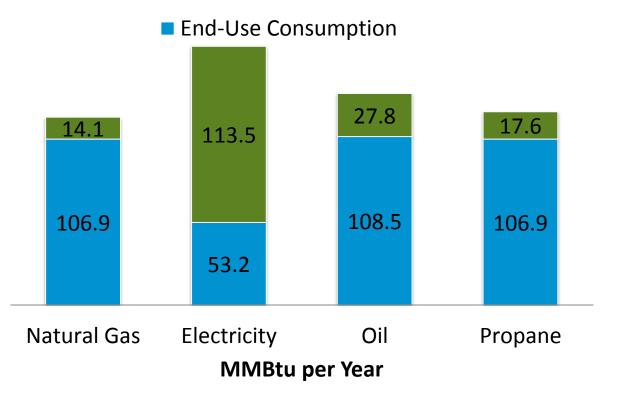


The loss of usable energy associated with electricity equals about half of the total energy consumed in the residential and commercial sectors



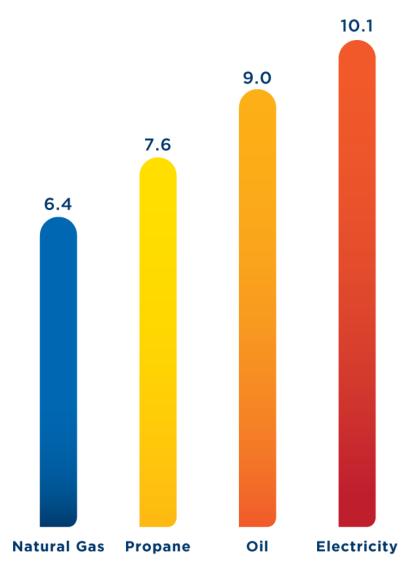
USING LESS ENERGY Average Energy Use and Losses for a New Home

Energy Losses (Source-to-Site)



Full-fuel-cycle Greenhouse Gas Emissions of a Typical Household

Natural gas used in homes reduces greenhouse gas emissions



Metric Tons CO₂-equivalent per Year per Household

Thanks

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American Gas Association 16



www.aga.org

The American Gas Association, founded in 1918, represents 201 local energy companies that deliver clean natural gas throughout the United States. There are more than 70 million residential, commercial and industrial natural gas customers in the United States, of which 91% — more than 64 million customers — receive their gas from AGA members. Today, natural gas meets almost one-fourth of the United States' energy needs.