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US Collection

Natural Gas: United States

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About This Report

Scope

This report forecasts to 2023 US natural gas demand and production in cubic feet. Total demand is segmented by market in terms of:

- electric power
- industrial
- residential
- commercial
- other markets such as lease, plant, and vehicle fuel

To illustrate historical trends, total demand, total production, the various demand segments, and trade are provided in annual series from 2008 to 2018.

Reported demand figures reflect the volume of natural gas delivered to consumers, in addition to that consumed as lease fuel, plant fuel, and for pipeline and distribution use. Production refers to dry natural gas production, also known as consumer-grade natural gas. Dry natural gas production excludes natural gas liquids such as plant liquids and lease condensate that are removed from the gas stream at processing plants. Re-exports of natural gas are excluded from demand and trade figures.

Key macroeconomic indicators are also provided with quantified trends. Other various topics, including profiles of pertinent leading suppliers, are covered in this report. A full outline of report items by page is available in the Table of Contents.

Sources

Natural Gas: United States (FF45021) represents the synthesis and analysis of data from various primary, secondary, macroeconomic, and demographic sources, such as:

- firms participating in the industry, and their suppliers and customers
- government/public agencies
- intergovernmental and non-governmental organizations
- trade associations and their publications
- the business and trade press
- indicator forecasts by The Freedonia Group
- the findings of other reports and studies by The Freedonia Group

Specific sources and additional resources are listed in the Resources section of this publication for reference and to facilitate further research.

Industry Codes

Table 7 | NAICS & SIC Codes Related to Natural Gas

NAICS/SCIAN 2017		SIC	
North American Industry Classification System		Standard Industrial Classification	
211120	Crude Petroleum Extraction	1311	Crude Petroleum and Natural Gas
221210	Natural Gas Distribution	4925	Gas Production and/or Distribution

Source: US Census Bureau

Freedonia Methodology

The Freedonia Group, a subsidiary of MarketResearch.com, has been in business for more than 30 years and in that time has developed a comprehensive approach to data analysis that takes into account the variety of industries covered and the evolving needs of our customers.

Every industry presents different challenges in market sizing and forecasting, and this requires flexibility in methodology and approach. Freedonia methodology integrates a variety of quantitative and qualitative techniques to present the best overall picture of a market’s current position as well as its future outlook: When published data are available, we make sure they are correct and representative of reality. We understand that published data often have flaws either in scope or quality, and adjustments are made accordingly. Where no data are available, we use various methodologies to develop market sizing (both top-down and bottom-up) and then triangulate those results to come up with the most accurate data series possible. Regardless of approach, we also talk to industry participants to verify both historical perspective and future growth opportunities.

Methods used in the preparation of Freedonia market research include, but are not limited to, the following activities: comprehensive data mining and evaluation, primary research, consensus forecasting and analysis, ratio analysis using key indicators, regression analysis, end use growth indices and intensity factors, purchase power parity adjustments for global data, consumer and end user surveys, market share and corporate sales analysis, product lifespan analysis, product or market life cycle analysis, graphical data modeling, long-term historical trend analysis, bottom-up and top-down demand modeling, and comparative market size ranking.

Freedonia quantifies trends in various measures of growth and volatility. Growth (or decline) expressed as an average annual growth rate (AAGR) is the least squares growth rate, which takes into account all available datapoints over a period. The volatility of datapoints around a least squares growth trend over time is expressed via the coefficient of determination, or r^2 . The most stable data series relative to the trend carries an r^2 value of 1.0; the most volatile – 0.0. Growth calculated as a compound annual growth rate (CAGR) employs, by definition, only the first and last datapoints over a period. The CAGR is used to

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describe forecast growth, defined as the expected trend beginning in the base year and ending in the forecast year. Readers are encouraged to consider historical volatility when assessing particular annual values along the forecast trend, including in the forecast year.

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Pipe: Products & Markets

Texas Drilling Market Outlook

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Refined Petroleum Products: United States

Renewable Energy: United States

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Oil & Gas Financial Journal

Oil and Gas Investor

Oil & Gas Journal

Platts Gas Daily

Agencies & Associations

American Gas Association

American Petroleum Institute

Independent Petroleum Association of America

Natural Gas Supply Association

United States Census Bureau

United States Department of the Interior

United States Energy Information Administration

United States Environmental Protection Agency

United States Federal Energy Regulatory Commission

United States International Trade Commission