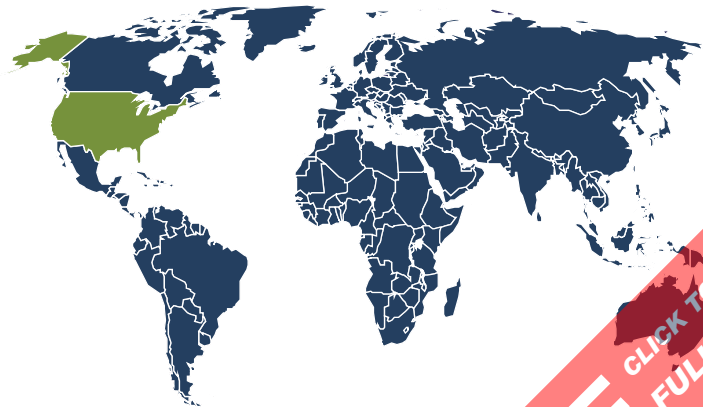




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Natural Gas: United States

April 2017



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TABLE OF CONTENTS

1. Highlights	3
2. Market Environment	4
Historical Trends	4
Key Economic Indicators	6
Trade	7
Technology	8
Environmental & Regulatory Factors	10
Exploration & Reserves	11
Pricing Trends	12
3. Segmentation & Forecasts	14
Markets	14
Electric Power	16
Industrial	17
Residential	19
Commercial	20
Other Markets	21
4. Industry Structure	23
Industry Characteristics	23
Market Share	24
Exxon Mobil Corporation	24
Chesapeake Energy Corporation	26
Southwestern Energy Company	26
Anadarko Petroleum Corporation	26
5. About This Report	28
Scope & Method	28
Sources	28
Industry Codes	29
Resources	30

LIST OF TABLES & FIGURES

Figure 1 Key Trends in US Natural Gas Demand, 2016-2021	3
Figure 2 US Natural Gas Demand Trends, 2006-2016	4
Figure 3 US Natural Gas Production Trends, 2006-2016	5
Table 1 Key Indicators for US Natural Gas Demand; 2006, 2011, 2016, 2021	6
Figure 4 US Natural Gas Trade Trends, 2006-2016 (bil cu ft)	7
Table 2 US Natural Gas Trade, 2006-2016 (bil cu ft)	7
Figure 5 US Natural Gas Wellhead Pricing Trends; 2006-2016, 2021	12
Figure 6 US Natural Gas Demand by Market; 2006-2016, 2021 (bil cu ft)	14
Table 3 US Natural Gas Demand by Market; 2006-2016, 2021 (bil cu ft)	14
Figure 7 US Natural Gas Production; 2006-2016, 2021 (bil cu ft)	15
Table 4 US Natural Gas Production; 2006-2016, 2021 (bil cu ft)	15
Figure 8 US Electric Power Demand & Natural Gas Electricity Generation; 2006-2016, 2021	16
Figure 9 US Industrial Demand & Manufacturers' Shipments; 2006-2016, 2021	18
Figure 10 US Natural Gas Industrial Energy Use by Application, 2016	19
Figure 11 US Natural Gas Residential Energy Use by Application, 2016	20
Figure 12 US Natural Gas Commercial Energy Use by Application, 2016	21
Table 5 Leading Suppliers the US Natural Gas Market	24
Figure 13 US Natural Gas Production Share by Company, 2016*	25
Table 6 Industry Codes Related to Natural Gas	29

ABOUT THIS REPORT

Scope & Method

This report forecasts US natural gas demand and production in cubic feet to 2021. Total demand is segmented by market in terms of:

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

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.

To illustrate historical trends, total demand, total production, the various segments, and trade are provided in annual series from 2006 to 2016.

This report 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 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.

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 including:

- firms participating in the industry, and their suppliers and customers

ABOUT THIS REPORT

- government/public agencies
- national, regional, and international 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 6 | Industry Codes Related to Natural Gas

NAICS/SCIAN 2007		SIC	
North American Industry Classification System		Standard Industry Codes	
211111	Crude Petroleum and Natural Gas Extraction	1311	Crude Petroleum and Natural Gas
221210	Natural Gas Distribution	4924	Natural Gas Distribution

Source: US Census Bureau

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Resources

The Freedonia Group

Freedonia Industry Studies

Midstream Oil & Gas Equipment, February 2016

Oilfield Chemicals, November 2015

Drilling Products & Services, June 2015

Freedonia Focus Reports

Coal: United States

Crude Petroleum: United States

Energy: United States

Renewable Energy: United States

Freedonia Custom Research

Trade Publications

Natural Gas Intelligence

Oil & Gas Financial Journal

Oil and Gas Investor

Oil & Gas Journal

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