

GAS FACTS

2014

ENERGY RESERVES NATURAL GAS SUPPLY
END-USERS SALES TRANSPORTATION VOLUMES
DISTRIBUTION AND TRANSMISSION
FINANCE PERSONNEL DATA
UNDERGROUND STORAGE
ENERGY CONSUMPTION
REVENUES PRICES
HOUSING DATA
GLOSSARY
INDEX

PUBLISHED BY: THE AMERICAN GAS ASSOCIATION
400 N. CAPITOL STREET, N.W.
WASHINGTON, D.C. 20001

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GAS FACTS

2014

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Printed in the United States of America

CATALOG #F1012013

eGUS

The underlying data for many of the tables in *Gas Facts* can be accessed by **AGA members** via eGUS, the Web-based version of the Gas Utilities Statistics system. To access this online database system, visit the site at <http://www.aga.org/Kc/Pages/eGUS.aspx>, and when prompted, enter your AGA website username and password (obtained via the AGA main page at www.aga.org). The eGUS User Manual and contact information are provided in the Help & FAQ section of the eGUS site.

For further information or assistance with the eGUS system, AGA members may contact Mr. Paul Pierson, Director, Statistical Services at (202) 824-7133 or via e-mail at ppierson@aga.org.

AGA members and non-members may request specific queries of the database for a nominal fee. If you would like information regarding available data or query fees, please contact Mr. Paul Pierson, Director, Statistical Services at (202) 824-7133 or via e-mail at ppierson@aga.org.

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INTRODUCTION

GENERAL

The American Gas Association assumed its present status as a gas utility industry trade association in 1918, after a merger of two predecessor organizations. Today it renders assistance to the gas utility industry and provides an advocacy platform for local distribution companies, so that the industry may serve its customers more efficiently. The Association recognizes the need for factual information regarding the gas industry for the use, not only of industry organizations, but also interested outside publics. Its statistical efforts are a vital part of this function, and the publication of *Gas Facts* is one result of these efforts.

This publication contains detailed statistics for 2012 and summary statistics for prior years for the gas utility industry which by definition, consists of the companies engaged in natural gas distribution and transmission. The publication also contains relevant data on the gas producing segment of the industry. Gas volumes are expressed in millions of cubic feet (at 14.73 psi and 60°F unless otherwise noted) and in British thermal units (Btu) to permit direct comparison with other energy data. A conversion table is included as Appendix B. Throughout the publication numbers may not add up to total due to independent rounding.

The user should be aware that a large transportation market has developed, which directly impacts gas utility sales quantities, revenues and number of customers. Although total pipeline throughput may remain the same, as transportation volumes to end-users increase, gas utility sales quantities to end-users will decrease.

Data presented in *Gas Facts*, broken down by company type, are not necessarily comparable from year to year. Acquisitions, mergers and corporate reorganizations continue to cause the number of companies in any given category to vary from year to year. Some of these changes are significant and can cause a dramatic shift in the data reported for a specific category from prior years.

In addition, data and resulting estimates are attributed to utility industry segments in *Gas Facts* as distribution, transmission or integrated, based not only on company operating revenues (see glossary) but also on how the company submitted information in the *Uniform Statistical Report* (USR). For example, if a company submits data under one corporate name, such as qualifying revenue, for distribution and transmission activities combined, then it is placed in the integrated category. However, if a large company submits data for its distribution companies separate from transmission companies, no effort is made to recombine the data to produce an integrated result. Distribution data in this case is attributed to the distribution segment and transmission data to the transmission segment.

SOURCES OF INFORMATION

Most of the information contained in this volume is developed from data forms contained in the *Uniform Statistical Report* and other sources such as the Energy Information Administration (EIA) and the Federal Energy Regulatory Commission (FERC). Tables presented in *Gas Facts* use data primarily from distribution companies submitting a *Uniform Statistical Report* (USR) and estimates for those companies not reporting based on recent historical experience.

Estimates of proved reserves of natural gas are taken from the U.S. Department of Energy report *U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves*. Data for gas spaceheating customers were taken from the *AGA Residential Natural Gas Market Survey*. Changes in the quantity and format of data reported to AGA, the Energy Information Administration, the Federal Energy Regulatory Commission and others have influenced the quality and type of tables that can be constructed from the available sources. As a result, tables in this edition have been modified or eliminated compared with previous *Gas Facts* editions based on judgements regarding sample size and data quality.

ACKNOWLEDGEMENTS

Our thanks go to those companies participating in the *Uniform Statistical Report* data gathering effort. Their cooperation and support are the essential elements to making this publication a primary source of gas utility industry data. Also greatly appreciated is the cooperation of the public and governmental agencies credited in *Gas Facts* tables.

Key contributions to this publication have been made by the Director, Statistical Services, Paul Pierson; Energy Analyst, Policy Analysis, Brendan O'Brien; Statistical Consultant, Kelly Hopkins; and Specialist, Lucy Castañeda-Land.

SECTION 1

2012 IN REVIEW

Highlights from this edition of *Gas Facts*

Supply

- Estimated working gas capacity in underground storage was 4,216 Bcf, with a total deliverability of 95,233 MMcf per day.
- The United States imported 3.1 trillion cubic feet of natural gas in 2012, primarily from Canada.

Delivery

- The U.S. natural gas industry had 2.45 million miles of pipeline — including distribution, services, transmission, and gathering lines — in place in 2012.

Sales

- Gas utility sales decreased 10.1 percent in 2012 to 7,086 trillion Btu.
- Residential sales decreased 14.4 percent from 2012 levels.
- Commercial sales decreased 13.1 percent.
- Industrial sales increased 0.9 percent.

Prices

- The average retail natural gas price decreased 8.2 percent in 2012 compared to 2011.
- The average residential price decreased 2.0 percent.
- Average commercial prices decreased 6.6 percent.
- Average industrial prices decreased 23.4 percent.

TABLE 1-1
GAS UTILITY INDUSTRY SALES CUSTOMERS, SALES VOLUMES, REVENUES AND PRICES
BY CLASS OF SERVICE
2011 and 2012

	2011	2012	Percentage Change
END-USERS—TOTAL^a	65,088	64,669	- 0.6
Residential	60,405	60,020	- 0.6
Commercial	4,556	4,518	- 0.8
Industrial	125	122	- 2.3
Other	2	8	+ 277.3
SALES—TOTAL^b	7,883	7,086	- 10.1
Residential	4,288	3,673	-14.3
Commercial	1,812	1,574	-13.1
Industrial	1,751	1,816	+ 3.7
Other	32	23	-28.1
REVENUES —TOTAL^c	69,296	57,019	-17.7
Residential	45,046	37,703	-16.3
Commercial	15,532	12,650	-18.6
Industrial	8,392	6,481	-22.8
Other	226	184	-18.6
PRICES—TOTAL^d	\$8.77	\$8.05	-8.2
Residential	10.48	10.27	-2.0
Commercial	8.61	8.04	-6.6
Industrial	4.96	3.80	-23.4
Other	7.07	7.87	+11.3

^aYearly averages (Thousands)

^bSales quantities (Trillion Btu)

^cRevenues (\$ Million)

^dPrices (\$/Million Btu)

SECTION 2

NATURAL GAS RESERVES AND PRODUCING GAS WELLS

U.S. NATURAL GAS RESERVES AS OF DECEMBER 31

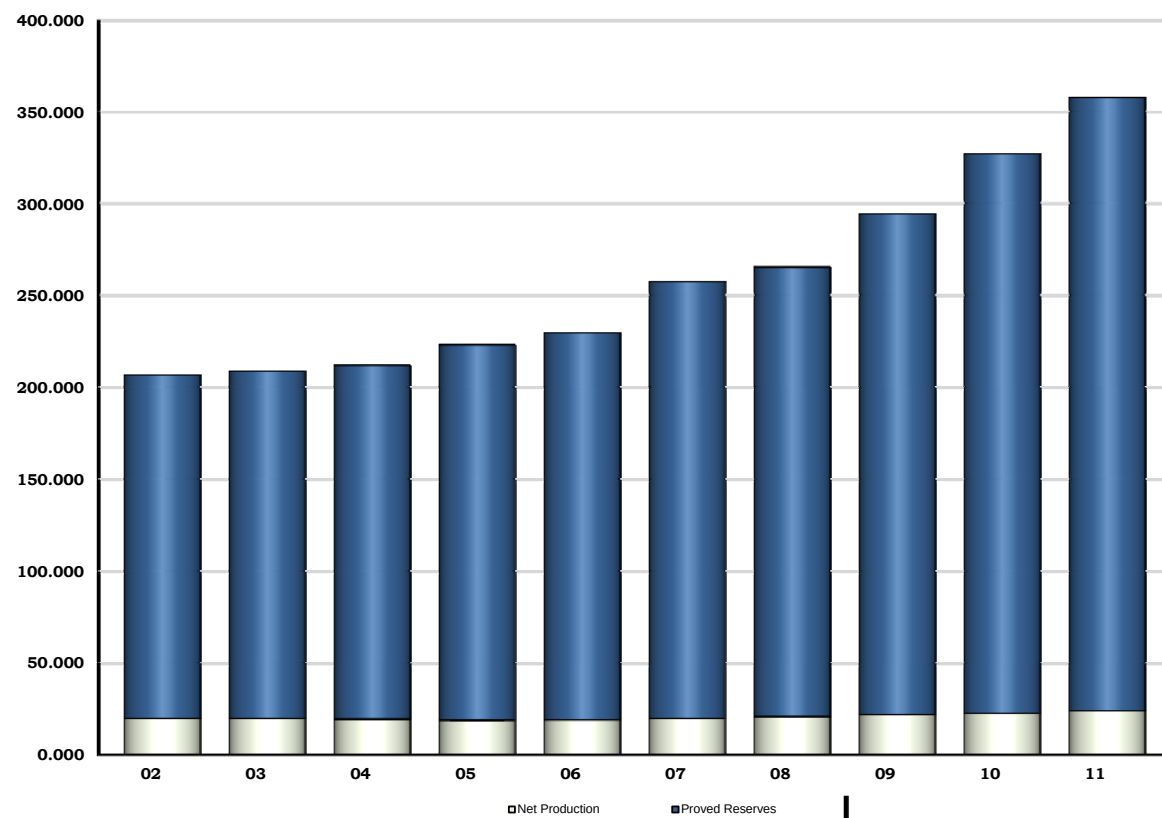
	<u>2011</u>	<u>% Change</u> <u>2011/2010</u>
Reserves (Billion Cubic Feet)		
Proved Reserves	334,067	+ 9.7
Discoveries	48,083	+ 1.7
Production	23,555	+ 5.9

U.S. NATURAL GAS WELLS

	<u>2012</u>	<u>% Change</u> <u>2012/2011</u>
Producing Wells	482.822	- 6.2

NATURAL GAS RESERVES, PRODUCING GAS WELLS

Chart 2-1
**PROVED RECOVERABLE RESERVES & NET PRODUCTION
OF NATURAL GAS IN THE UNITED STATES -- 2002-2011**
(Trillion Cubic Feet)



Source: U.S. Department of Energy, Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 2013 Annual Report

NATURAL GAS RESERVES, PRODUCING GAS WELLS

TABLE 2-1
SUMMARY OF ANNUAL ESTIMATES OF PROVED RESERVES OF NATURAL GAS IN THE UNITED STATES
1982-2011
(Billion Cubic Feet)

Year	Changes in Reserves during Year							Production Dry (8)	Proved Reserves ^b 12/31 (9)	Net Change from Prior Year (10)
	Net of Corrections and Adjustments (1)	Revision Increases (2)	Revision Decreases (3)	Extensions to Old Reservoirs (4)	Discoveries in Old Fields (5)	New Field Discoveries (6)	Total Discoveries ^a (7)			
1982	2,378	19,795	19,340	8,349	3,419	2,687	14,455	17,506	201,512	(218)
1983	3,090	17,602	17,617	6,909	2,965	1,574	11,448	15,788	200,247	(1,265)
1984	(2,241)	17,841	14,712	8,299	2,686	2,536	13,521	17,193	197,463	(2,784)
1985	(1,708)	18,775	16,304	7,169	2,960	999	11,128	15,985	193,369	(4,094)
1986	1,320	21,269	17,697	6,065	1,771	1,099	8,935	15,610	191,586	(1,783)
1987	1,268	17,527	14,231	4,587	1,499	1,089	7,175	16,114	187,211	(4,375)
1988	2,193	23,367	38,427 ^c	6,803	1,909	1,638	10,350	16,670	168,024 ^c	(19,187) ^c
1989	3,013	26,673	23,643	6,339	2,243	1,450	10,032	16,983	167,116	(908)
1990	1,557	18,981	13,443	7,952	2,412	2,004	12,368	17,233	169,346	2,230
1991	2,960	19,890	15,474	5,090	1,604	848	7,542	17,202	167,062	(2,284)
1992	2,235	18,055	11,962	4,675	1,724	649	7,048	17,423	165,015	(2,047)
1993	972	17,597	12,248	6,103	1,866	899	8,868	17,789	162,415	(2,600)
1994	1,945	21,365	15,881	6,941	3,480	1,894	12,315	18,322	163,837	1,422
1995	580	20,465	12,731	6,843	2,452	1,666	10,961	17,966	165,146	1,309
1996	3,785	17,132	13,046	7,757	1,451	3,110	12,318	18,861	166,474	1,328
1997	(590)	21,658	16,756	10,585	2,681	2,382	15,648	19,211	167,223	749
1998	(1,635)	28,003	22,263	8,197	2,162	1,074	11,433	18,720	164,041	(3,182)
1999	982	42,167	31,663	7,043	2,196	1,568	10,807	18,928	167,041	3,365
2000	(891)	23,188	16,226	14,787	2,368	1,983	19,138	19,219	177,427	10,386
2001	(2,742)	18,358	20,676	16,380	2,800	3,578	22,758	19,779	183,460	6,033
2002	3,727	20,255	19,318	14,769	1,694	1,332	17,795	19,353	186,946	3,486
2003	2,841	19,912	21,550	16,454	1,610	1,222	19,286	19,425	189,044	2,098
2004	(114)	26,893	26,149	18,198	1,206	759	20,163	19,168	192,513	3,469
2005	1,887	22,353	19,654	21,050	1,208	942	23,200	18,458	204,385	11,872
2006	743	20,833	22,669	21,778	1,155	409	23,342	18,545	211,085	6,700
2007	1,147	32,174	16,713	21,707	1,188	796	29,091	19,466	237,726	26,641
2008	207	30,674	33,802	27,582	1,622	1,170	30,374	20,523	244,656	6,930
2009	5,098	31,416	33,035	42,139	2,598	1,372	46,109	21,594	272,509	27,853
2010	509	40,521	36,571	44,783	1,668	850	47,301	22,239	304,625	32,116
2011	1,731	53,601	53,473	45,909	1,227	947	48,083	23,555	334,067	29,442

^aCol 4 + Col 5 + Col 6 = Col 7^bProved Reserves Prior Year = Col 9 + Col 1 + Col 2 - Col 3 + Col 7 - Col 8^cAn unusually large revision decrease was made to North Slope dry natural gas reserves in 1988 because of lack of transportation to potential markets.

Note: "Old" means discovered in a prior year. "New" means discovered during the report year.

Source: U.S. Department of Energy, Energy Information Administration, *U.S. Crude Oil, Natural Gas, and Natural Gas Liquids Reserves*, 2013 Annual Report, Table 11.

NATURAL GAS RESERVES, PRODUCING GAS WELLS

TABLE 2-2
SUMMARY OF ANNUAL ESTIMATES OF ESTABLISHED RESERVES OF NATURAL GAS IN CANADA^a
2001-2012
(Million Cubic Meters)

Year	Reserves Remaining at Beginning of Year	Reserves Remaining at End of Year	Change during Year
2001		1,693,752	---
2002	1,693,752	1,664,205	(29,547)
2003	1,664,205	1,594,001	(70,204)
2004	1,594,001	1,593,042	(959)
2005	1,593,042	1,632,560	39,518
2006	1,632,560	1,639,712	7,152
2007	1,639,712	1,633,824	(5,888)
2008	1,633,824	1,754,234	120,410
2009	1,754,234	1,727,450	(26,784)
Break in Data Series			
2010	1,727,450	1,982,503	255,053
2011	1,982,503	1,896,903	(85,600)
2012	1,896,903	1,879,791	(17,112)

^aVolumes are calculated at a pressure base of 101.325 kPa and at a standard temperature of 15°C.

Parentheses, (), denote a volume decrease (negative number).

Source: Canadian Association of Petroleum Producers

NATURAL GAS RESERVES, PRODUCING GAS WELLS

TABLE 2-3
MARKETABLE NATURAL GAS
REMAINING ESTABLISHED RESERVES IN CANADA
AT YEAR END
2001- 2012
(Million Cubic Meters)

	Main Terr. (S. 68° N)	British Columbia	Alberta	Sask.	Ontario	New Brunswick*	E. Coast Offshore	Canada
2001	15,026	251,451	1,272,232	81,730	11,513	105	61,695	1,693,752
2002	12,656	254,661	1,252,562	76,649	11,419	105	56,153	1,664,205
2003	12,456	259,905	1,198,748	87,877	11,586	105	23,324	1,594,001
2004	11,872	289,432	1,175,892	85,007	11,456	105	19,278	1,593,042
2005	11,260	347,833	1,153,480	91,614	13,021	105	15,247	1,632,560
2006	10,241	367,653	1,131,234	98,829	20,006	105	11,644	1,639,712
2007	9,995	375,929	1,124,930	95,060	19,842	105	7,963	1,633,824
2008	10,089	483,051	1,138,557	88,621	19,637	105	14,174	1,754,234
2009	10,000	534,208	1,072,114	81,026	19,418	105	10,579	1,727,450
<i>Break in Data Series</i>								
2010	13,146	782,049	1,092,700	63,700	19,208	3,900	7,800	1,982,503
2011	13,146	782,049	1,007,100	63,700	19,208	3,900	7,800	1,896,903
2012	13,017	805,764	972,400	60,059	18,977	3,806	5,768	1,879,791

*Note: Effective 2010 New Brunswick included. Prior years was "Other Eastern Canada"

Note: Effective 2010 CAPP Reserves are based on provincial and NEB data. Year ends vary.

Source: Canadian Association of Petroleum Producers

TABLE 2-4
CHANGE DURING YEAR IN
MARKETABLE NATURAL GAS
REMAINING ESTABLISHED RESERVES IN CANADA
2001- 2012
(Million Cubic Meters)

	Main Terr. (S. 68° N)	British Columbia	Alberta	Sask.	Ontario	New Brunswick*	E. Coast Offshore	Canada
2001/02	(2,370)	3,210	(19,670)	(5,081)	(94)	0	(5,542)	(29,547)
2002/03	(200)	5,244	(53,814)	11,228	167	0	(32,829)	(70,204)
2003/04	(584)	29,527	(22,856)	(2,870)	(130)	0	(4,046)	(959)
2004/05	(612)	58,401	(22,412)	6,607	1,565	0	(4,031)	39,518
2005/06	(1,019)	19,820	(22,246)	7,215	6,985	0	(3,603)	7,152
2006/07	(246)	8,276	(6,304)	(3,769)	(164)	0	(3,681)	(5,888)
2007/08	94	107,122	13,627	(6,439)	(205)	0	6,211	120,410
2008/09	(89)	51,157	(66,443)	(7,595)	(219)	0	(3,595)	(26,784)
<i>Break in Data Series</i>								
2009/10	3,146	247,841	20,586	(17,326)	(210)	3,795	(2,779)	255,053
2010/11	0	0	(85,600)	0	0	0	0	(85,600)
2011/12	(129)	23,715	(34,700)	(3,641)	(231)	(94)	(2,032)	(17,112)

*Note: Effective 2010 New Brunswick included. Prior years was "Other Eastern Canada"

Note: Effective 2010 CAPP Reserves are based on provincial and NEB data. Year ends vary.

() Denotes negative number

Source: Canadian Association of Petroleum Producers

NATURAL GAS RESERVES, PRODUCING GAS WELLS

TABLE 2-5
NUMBER OF PRODUCING GAS WELLS BY STATE
1995-2012^{a,b}

Division and State	1995	2000	2005	2010	2011	2012
UNITED STATES	298,541	341,678	425,887	487,627	514,637	482,822
New England	0	0	0	0	0	0
Middle Atlantic	37,159	41,775	52,103	51,236	60,504	62,312
New Jersey	0	0	0	0	0	0
New York	6,134	5,775	5,449	6,736	6,157	7,176
Pennsylvania	31,025	36,000	46,654	44,500	54,347	55,136
East North Central	41,497	42,747	45,272	45,701	58,771	46,863
Illinois	372	280	316	50	40	40
Indiana	1,347	1,502	2,321	620	914	819
Michigan	5,258	7,068	8,900	10,100	11,100	10,900
Ohio	34,520	33,897	33,735	34,931	46,717	35,104
Wisconsin	0	0	0	0	0	0
West North Central	22,277	15,469	19,277	22,711	26,472	25,373
Iowa	0	0	0	0	0	0
Kansas	22,020	15,206	18,946	22,145	25,758	24,697
Minnesota	0	0	0	0	0	0
Missouri	15	0	0	0	53	100
Nebraska	87	98	114	276	322	270
North Dakota	99	94	148	188	239	211
South Dakota	56	71	69	102	100	95
South Atlantic	37,822	45,533	53,474	59,975	64,724	58,552
Delaware	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0
Florida	0	0	0	0	0	0
Georgia	0	0	0	0	0	0
Maryland	7	7	7	7	8	9
North Carolina	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0
Virginia	1,671	3,051	4,132	7,470	7,903	7,843
West Virginia	36,144	42,475	49,335	52,498	56,813	50,700
East South Central	17,372	19,223	21,774	26,905	27,637	26,144
Alabama	3,526	4,359	5,523	7,026	7,063	6,327
Kentucky	13,311	13,487	14,175	17,670	14,632	17,936
Mississippi	535	997	1,676	1,979	5,732	1,669
Tennessee	0	380	400	230	210	212
West South Central	102,525	101,784	133,83^R	165,548	171,827	164,947
Arkansas	3,988	4,000	3,462 ^R	7,397	8,388	8,538
Louisiana	14,169	15,700	18,838	19,137	21,235	19,792
Oklahoma	29,733	21,507	36,704	44,000	41,238	40,000
Texas	54,635	60,577	74,827	95,014	100,966	96,617
Mountain	38,775	73,809	96,435	111,824	101,534	95,522
Arizona	7	9	6	5	5	5
Colorado	7,017	22,442	22,691	28,813	30,101	32,000
Idaho	0	0	0	0	0	0
Montana	2,918	3,321	5,751	6,059	6,477	6,240
Nevada	0	4	4	0	0	0
New Mexico	23,510	33,948	40,157	44,748	32,302	28,206
Utah	1,127	4,178	4,092	6,075	6,469	6,900
Wyoming	4,196	9,907	23,734	26,124	26,180	22,171
Pacific	1,114	1,338	1,598	1,875	1,609	1,635
Alaska	100	152	227	269	277	185
California	997	1,169	1,356	1,580	1,308	1,423
Hawaii	0	0	0	0	0	0
Oregon	17	17	15	26	24	27
Washington	0	0	0	0	0	0
Gulf of Mexico^b	n.a	n.a	2,123	1,852	1,559	1,474

^aData pertain only to dry gas and condensate wells. Data as of December 31.

^bBeginning in 2001, the number of Federal offshore Gulf of Mexico producing gas and gas condensate wells is reported separately. For previous years, the well counts for the Federal offshore Gulf of Mexico were included in the well counts for the States of Alabama, Louisiana and Texas.

n.a. – Not Available

Source: Energy Information Administration, *Natural Gas Annual 2011*, December 2012

NATURAL GAS RESERVES, PRODUCING GAS WELLS

TABLE 2-6
CRUDE OIL AND NATURAL GAS WELLS DRILLED
1981-2010

Year	Crude Oil	Natural Gas	Dry	TOTAL
1981	43,598	20,166	27,789	91,553
1982	39,199	18,979	26,219	84,397
1983	37,120	14,564	24,153	75,837
1984	42,605	17,127	25,681	85,413
1985	35,261	14,324	21,211	70,796
1986	19,097	8,615	12,678	40,291
1987	16,164	8,055	11,112	35,331
1988	13,636	8,555	10,041	32,232
1989	10,204	9,539	8,188	27,931
1990	12,839	11,246	8,245	32,330
1991	11,770	9,526	7,596	28,892
1992	8,757	8,209	6,118	23,084
1993	8,407	10,017	6,328	24,752
1994	6,721	9,538	5,307	21,566
1995	8,248	8,082	4,814	21,144
1996	8,836	9,027	4,890	22,753
1997	11,206	11,498	5,874	28,578
1998	7,682	11,639	4,761	24,082
1999	4,805	12,027	3,550	20,382
2000	8,090	17,051	4,146	29,287
2001	8,888	22,072	4,598	35,558
2002	6,775	17,342	3,754	27,871
2003	8,129	20,722	3,982	32,833
2004	8,789	24,186	4,082	37,057
2005	10,779	28,590	4,653	44,022
2006	13,385	32,838	5,206	51,429
2007	13,371	32,719	4,981	51,071
2008	16,633	32,246	5,423	54,302
2009	11,190	18,088	3,525	32,803
2010	15,753	16,696	4,162	36,611

Source: U.S. Department of Energy, Energy Information Administration, *Monthly Energy Review*, December 2013

NATURAL GAS RESERVES, PRODUCING GAS WELLS

TABLE 2-7
Average Weekly Rotary Rigs
Drilling Direction
1991-2012

Year	Directional	Horizontal	Vertical	TOTAL
1991	107	75	678	860
1992	85	54	582	720
1993	99	50	605	754
1994	137	50	588	775
1995	145	52	526	723
1996	169	58	552	779
1997	207	69	668	943
1998	210	46	571	827
1999	159	39	427	625
2000	217	55	646	918
2001	281	77	799	1,156
2002	226	60	543	830
2003	262	81	689	1,032
2004	311	119	761	1,192
2005	341	181	862	1,383
2006	384	285	980	1,649
2007	376	393	999	1,768
2008	372	553	954	1,879
2009	201	456	433	1,089
2010	222	822	501	1,546
2011	230	1,074	574	1,878
2012	216	1,151	552	1,919

Source: Baker Hughes, North America Rotary Rig Counts

SECTION 3

NATURAL GAS IMPORTS, EXPORTS AND SUPPLEMENTALS

	<u>2012</u>	<u>% Change</u> <u>2012/2011</u>
Imports (Billion cubic feet)	3,138	- 9.5
Exports (Billion cubic feet)	1,619	+ 7.4

SUPPLY
TABLE 3-1
EXPORTS OF NATURAL GAS FROM THE UNITED STATES – 1982-2012
(Million Cubic Feet)

Year	TOTAL	Canada	Mexico	Japan ^a	Other ^b
1982	51,727	162	1,707	49,858	0
1983	54,638	137	1,646	52,855	0
1984	54,753	128	1,786	52,840	0
1985	55,269	177	2,205	52,883	0
1986	61,271	9,203	1,896	50,172	0
1987	54,020	3,297	2,125	48,599	0
1988	73,638	19,738	2,327	51,573	0
1989	106,871	38,443	17,004	51,424	0
1990	85,565	17,359	15,659	52,546	0
1991	129,244	14,791	60,448	54,005	0
1992	216,282	67,777	95,973	52,532	0
1993	140,183	44,518	39,676	55,989	0
1994	161,738	52,556	46,500	62,682	0
1995	154,119	27,554	61,283	65,283	0
1996	153,393	51,905	33,840	67,648	0
1997	157,006	56,447	38,372	62,187	0
1998	159,007	39,891	53,165	65,951	0
1999	163,415	38,508	61,300	63,607	0
2000	243,716	72,586	105,520	65,610	0
2001	373,278	166,690	140,835	65,753	0
2002	516,233	189,313	263,481	63,439	0
2003	679,922	270,988	343,236	65,698	0
2004	854,138	394,585	397,453	62,099	0
2005	728,601	358,280	305,196	65,124	0
2006	723,958	341,065	322,128	60,765	0
2007	822,454	482,196	291,773	46,501	1,982
2008	1,005,724	590,480	365,396	49,796	53
2009	1,072,357	700,596	338,406	30,536	2,819
2010	1,136,789	738,745	333,251	32,922	31,871
2011	1,507,059	936,993	498,657	18,012	53,397
2012	1,618,828	970,729	619,802	14,379	13,918

^aLNG exports from Alaska

^bIncludes all other LNG Exports

Source: U.S. Department of Energy, Energy Information Administration, *Natural Gas Monthly*, December 2013

TABLE 3-2
PIPELINE IMPORTS OF NATURAL GAS TO THE UNITED STATES – 1982-2012
(Million Cubic Feet)

Year	TOTAL	Canada	Mexico
1982	878,198	783,406	94,792
1983	787,283	711,923	75,360
1984	806,869	755,368	51,501
1985	926,054	926,054	0
1986	748,780	748,780	0
1987	992,532	992,532	0
1988	1,276,322	1,276,322	0
1989	1,339,357	1,339,357	0
1990	1,448,065	1,448,065	0
1991	1,709,716	1,709,716	0
1992	2,094,387	2,094,387	0
1993	2,268,429	2,266,751	1,678
1994	2,573,061	2,566,049	7,013
1995	2,823,130	2,816,408	6,722
1996	2,897,138	2,883,277	13,862
1997	2,916,394	2,899,152	17,243
1998	3,066,605	3,052,073	14,532
1999	3,422,075	3,367,545	54,530
2000	3,555,567	3,543,966	11,601
2001	3,738,814	3,728,537	10,276
2002	3,786,733	3,784,978	1,755
2003	3,437,230	3,437,230	0
2004	3,606,543	3,606,543	0
2005	3,709,774	3,700,454	9,320
2006	3,602,744	3,589,995	12,749
2007	3,836,770	3,782,708	54,062
2008	3,632,535	3,589,221	43,314
2009	3,299,403	3,271,107	28,296
2010	3,309,747	3,279,752	29,995
2011	3,119,753	3,117,081	2,672
2012	2,963,140	2,962,827	314

Source: U.S. Department of Energy, Energy Information Administration, *Natural Gas Monthly*, December 2013

SUPPLY

TABLE 3-3
LNG IMPORTS AND EXPORTS
1982-2012
(Million Cubic Feet)

Year	IMPORTS					EXPORTS		TOTAL NET
	Algeria	Egypt	Nigeria	Trinidad	Other ^a	Japan	Other ^b	
1982	55,136	0	0	0	0	49,858	0	5,279
1983	131,124	0	0	0	0	52,855	0	78,269
1984	36,191	0	0	0	0	52,840	0	-16,649
1985	23,659	0	0	0	0	52,883	0	-29,224
1986	1,669	0	0	0	1,669	50,172	0	-48,503
1987	0	0	0	0	0	48,599	0	-48,599
1988	17,490	0	0	0	0	51,573	0	-34,083
1989	42,163	0	0	0	0	51,424	0	-9,262
1990	84,193	0	0	0	0	52,546	0	31,647
1991	63,596	0	0	0	0	54,005	0	9,591
1992	43,116	0	0	0	0	52,532	0	-9,415
1993	81,685	0	0	0	0	55,989	0	25,697
1994	50,778	0	0	0	0	62,682	0	-11,904
1995	17,918	0	0	0	0	65,283	0	-47,364
1996	35,325	0	0	0	4,949	67,648	0	-27,374
1997	65,675	0	0	0	12,103	62,187	0	15,591
1998	68,567	0	0	0	16,885	65,951	33	19,469
1999	75,763	0	0	50,777	36,890	63,607	275	99,548
2000	46,947	0	12,654	98,949	67,485	65,610	418	160,008
2001	64,945	0	37,966	98,009	37,207	65,753	465	171,908
2002	26,584	0	8,123	151,104	42,919	63,439	403	164,888
2003	53,423	0	50,067	378,069	24,959	65,698	376	440,444
2004	120,343	0	11,818	462,100	57,754	62,099	368	589,548
2005	97,157	72,540	8,149	439,246	14,168	65,124	242	565,894
2006	17,449	119,528	57,292	389,268	0	60,765	173	522,599
2007	77,299	114,580	95,028	447,758	36,146	46,501	87	724,224
2008	0	54,839	12,049	264,218	20,592	49,796	53	301,848
2009	0	160,435	13,306	236,202	42,014	30,536	2,819	418,602
2010	0	72,990	41,733	189,748	126,539	32,922	31,871	366,217
2011	0	35,119	2,362	128,620	182,838	18,012	53,397	277,530
2012	0	2,811	0	112,207	59,631	14,379	13,918	146,352

^aOther includes imports from Australia, Brunei, Equatorial Guinea, Indonesia, Malaysia, Oman, Qatar and United Arab Emirates.

^bOther includes exports to Brazil, India, Mexico, South Korea, Spain and United Kingdom.

Source: U.S. Department of Energy, Energy Information Administration, *Natural Gas Monthly*, December 2013

SUPPLY

TABLE 3-4
SUPPLEMENTAL GAS SUPPLIES BY STATE
2012
(Million Cubic Feet)

Division and State	TOTAL	Synthetic Natural Gas	Propane- Air	Biomass Gas	Other ^a
UNITED STATES	61,366	55,032	309	1,573	4,452
New England	3	0	3	0	0
Connecticut	0	0	0	0	0
Maine	0	0	0	0	0
Massachusetts	0	0	0	0	0
New Hampshire	0	0	0	0	0
Rhode Island	0	0	0	0	0
Vermont	3	0	3	0	0
Middle Atlantic	141	0	2	0	139
New Jersey	139	0	0	0	139
New York	0	0	0	0	0
Pennsylvania	2	0	2	0	0
East North Central	368	0	8	360	0
Illinois	1	0	1	0	0
Indiana	1	0	1	0	0
Michigan	0	0	0	0	0
Ohio	366	0	6	360	0
Wisconsin	0	0	0	0	0
West North Central	52,554	52,541	13	0	0
Iowa	0	0	0	0	0
Kansas	0	0	0	0	0
Minnesota	9	0	9	0	0
Missouri	*	*	0	0	0
Nebraska	4	0	4	0	0
North Dakota	52,541	52,541	0	0	0
South Dakota	0	0	0	0	0
South Atlantic	824	0	164	660	0
Delaware	0	0	0	0	0
District of Columbia	0	0	0	0	0
Florida	0	0	0	0	0
Georgia	660	0	0	660	0
Maryland	116	0	116	0	0
North Carolina	0	0	0	0	0
South Carolina	0	0	0	0	0
Virginia	48	0	48	0	0
West Virginia	0	0	0	0	0
East South Central	1	0	1	0	0
Alabama	0	0	0	0	0
Kentucky	1	0	1	0	0
Mississippi	0	0	0	0	0
Tennessee	0	0	0	0	0
West South Central	553	0	0	553	0
Arkansas	0	0	0	0	0
Louisiana	553	0	0	553	0
Oklahoma	0	0	0	0	0
Texas	0	0	0	0	0
Mountain	4,412	0	99	0	4,313
Arizona	0	0	0	0	0
Colorado	4,412	0	99	0	4,313
Idaho	0	0	0	0	0
Montana	0	0	0	0	0
Nevada	0	0	0	0	0
New Mexico	0	0	0	0	0
Utah	0	0	0	0	0
Wyoming	0	0	0	0	0
Pacific	2,511	2,491	20	0	0
Alaska	0	0	0	0	0
California	0	0	0	0	0
Hawaii	2,511	2,491	20	0	0
Oregon	0	0	0	0	0
Washington	0	0	0	0	0

^aIncludes coke oven gas, manufactured gas, biomass gas, and air injection for Btu stabilization

Numbers may not add up to totals due to independent rounding.

*Volume is less than 500,000 cubic feet.

Source: U.S. Department of Energy, Energy Information Administration, *Natural Gas Annual*, January 2013

SECTION 4

UNDERGROUND GAS STORAGE

	<u>2012</u>
Number of Sites	397
Est. Total Capacity (Billion cubic feet)	8,549
Est. Base Gas Capacity (Billion cubic feet)	4,353
Est. Working Gas Capacity (Billion cubic feet)	4,216
Maximum Deliverability (Billion cubic feet/day)	95

Source: American Gas Association, *Survey of Underground Storage of Natural Gas in the United States and Canada*, January 2014

UNDERGROUND STORAGE

TABLE 4-1
UNDERGROUND STORAGE SITES AND WORKING GAS CAPACITY
IN THE UNITED STATES
2012

Year	Sites	States	Est. Working Gas Capacity (Billion Cubic Feet)	Maximum Deliverability (Million Cubic Feet/Day)
2012	397	30	4,216	95,233

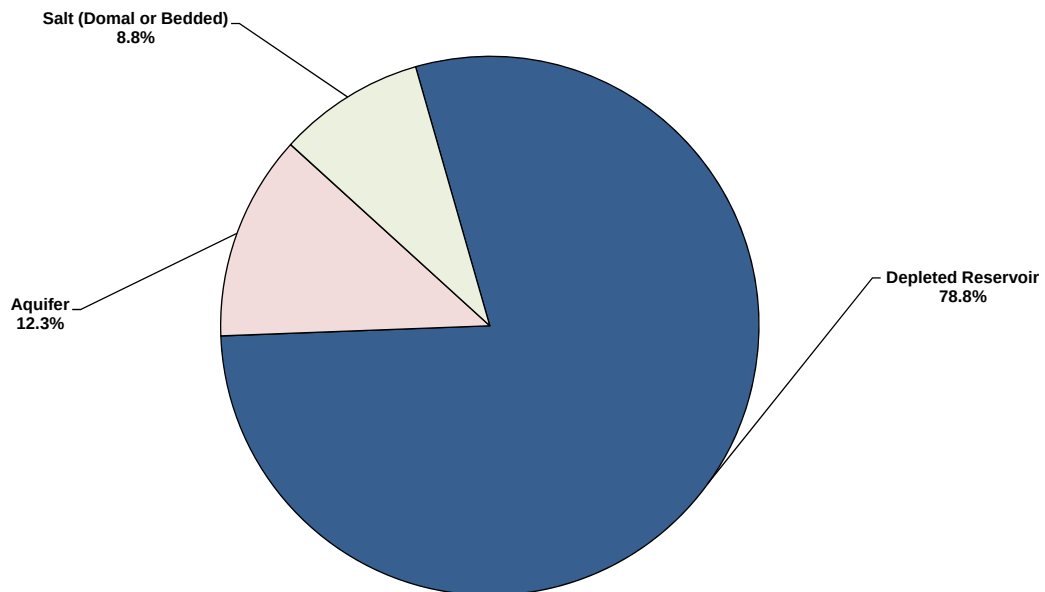
Source: American Gas Association, *Survey of Underground Storage of Natural Gas in the United States and Canada*, January 2014

TABLE 4-2
UNDERGROUND STORAGE BY RESERVOIR TYPE AND WORKING CAPACITY
2012

	Sites	States	Est. Working Gas Capacity (Billion Cubic Feet)	Est. Base Gas Capacity (Billion Cubic Feet)	Total Underground Storage Capacity (Billion Cubic Feet)
Depleted Reservoir	313	25	3,631	3,307	6,939
Aquifer	49	10	353	920	1,273
Salt (Domal or Bedded)	35	8	232	105	338
TOTAL	397	30	4,216	4,333	8,549

Source: American Gas Association, *Survey of Underground Storage of Natural Gas in the United States and Canada*, January 2014

Chart 4-1
Distribution of Underground Storage by Reservoir Type



Source: American Gas Association, *Survey of Underground Storage of Natural Gas in the United States and Canada*, January 2014

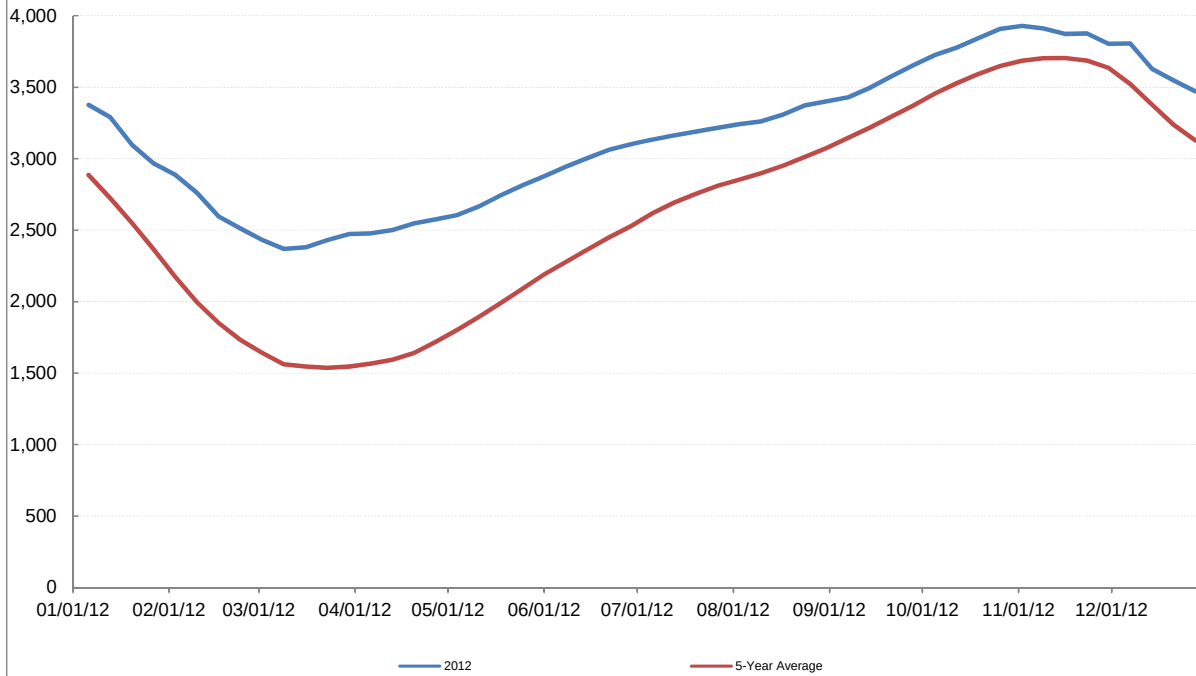
TABLE 4-3
DISTRIBUTION OF UNDERGROUND STORAGE BY RESERVOIR TYPE
IN THE UNITED STATES
2012

	Sites (%)	Working Gas (%)	Base Gas (%)
Depleted Reservoir	78.8	86.1	76.3
Aquifer	12.3	8.4	21.2
Salt (Domal or Bedded)	8.8	5.5	2.4
TOTAL	100	100	100

Numbers may not add up due to independent rounding.

Source: American Gas Association, *Survey of Underground Storage of Natural Gas in the United States and Canada*, January 2014.

Chart 4-2
Total Working Gas in Storage
 Comparison of 2012 to Prior 5-Year Average



Source: U.S. Department of Energy, Energy Information Administration, *Weekly Natural Gas Storage Report*

UNDERGROUND STORAGE

TABLE 4-4
WORKING GAS STORAGE SURVEY WEEKLY DATA
2012

Date	Regions			TOTAL U.S.
	Producing ^a	East ^b	West ^c	
Jan 06	1,179	1,754	444	3,377
Jan 13	1,164	1,693	433	3,290
Jan 20	1,121	1,571	406	3,098
Jan 27	1,099	1,471	396	2,966
Feb 03	1,088	1,412	388	2,888
Feb 10	1,051	1,329	381	2,761
Feb 17	993	1,232	370	2,595
Feb 24	974	1,174	365	2,513
Mar 02	967	1,114	352	2,433
Mar 09	965	1,059	345	2,369
Mar 16	985	1,049	346	2,380
Mar 23	1,013	1,073	344	2,430
Mar 30	1,039	1,084	349	2,472
Apr 06	1,035	1,090	353	2,478
Apr 13	1,040	1,103	358	2,501
Apr 20	1,041	1,145	362	2,548
Apr 27	1,040	1,165	371	2,576
May 04	1,038	1,189	379	2,606
May 11	1,045	1,236	386	2,667
May 18	1,064	1,281	399	2,744
May 25	1,080	1,325	410	2,815
Jun 01	1,091	1,363	423	2,877
Jun 08	1,102	1,406	436	2,944
Jun 15	1,116	1,443	447	3,006
Jun 22	1,130	1,477	456	3,063
Jun 29	1,119	1,512	471	3,102
Jul 06	1,119	1,532	484	3,135
Jul 13	1,120	1,555	488	3,163
Jul 20	1,119	1,575	495	3,189
Jul 27	1,113	1,605	499	3,217
Aug 03	1,108	1,635	498	3,241
Aug 10	1,104	1,664	493	3,261
Aug 17	1,108	1,712	488	3,308
Aug 24	1,124	1,759	491	3,374
Aug 31	1,117	1,793	492	3,402
Sep 07	1,104	1,831	494	3,429
Sep 14	1,124	1,875	497	3,496
Sep 21	1,153	1,921	502	3,576
Sep 28	1,180	1,963	510	3,653
Oct 05	1,207	2,005	513	3,725
Oct 12	1,226	2,029	521	3,776
Oct 19	1,254	2,057	532	3,843
Oct 26	1,277	2,091	540	3,908
Nov 02	1,285	2,096	548	3,929
Nov 09	1,287	2,073	551	3,911
Nov 16	1,275	2,054	544	3,873
Nov 23	1,287	2,042	548	3,877
Nov 30	1,273	1,986	545	3,804
Dec 07	1,285	1,974	547	3,806
Dec 14	1,261	1,925	538	3,724
Dec 21	1,249	1,883	520	3,652
Dec 28	1,213	1,799	505	3,517

^aIncludes Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas and Mississippi.

^bIncludes all states east of the Mississippi River—except Mississippi and Alabama—and Iowa, Nebraska and Missouri.

^cIncludes all states west of the Mississippi River—except Iowa, Nebraska, and Missouri—and Producing Region states.

Source: U.S. Department of Energy, Energy Information Administration, *Weekly Natural Gas Storage Report*

TABLE 4-5
CANADIAN UNDERGROUND NATURAL GAS STORAGE STATISTICS
2012

	TOTAL CANADA	Alberta	British Columbia	Ontario	Quebec	Saskatchewan
Number of Facilities						
Depleted Reservoir	46	5	1	35	2	3
Salt Cavern	8	1	0	0	0	7
TOTAL	54	6	1	35	2	10
Working Gas Capacity (Bcf)						
Depleted Reservoir	608.4	260.4	48.0	267.5	5.0	27.4
Salt Cavern	17.0	2.8	0.0	0.0	0.0	14.2
TOTAL	625.4	263.2	48.0	267.5	5.0	41.7
Maximum Deliverability (Bcf/d)						
Depleted Reservoir	4.7*	3.8	0.7	n.a.	0.1	0.1
Salt Cavern	1.1	0.6	0.0	0.0	0.0	0.5
TOTAL	5.8*	4.4	0.7	n.a.	0.1	0.6

*Does Not Include Ontario

n.a. – Not Available

Source: American Gas Association, *Survey of Underground Storage of Natural Gas in the United States and Canada*, January 2014.

UNDERGROUND STORAGE

SECTION 5

DISTRIBUTION AND TRANSMISSION

MILES OF PIPELINE

	<u>2012</u>	<u>% Change</u> <u>2012/2011</u>
MILES OF PIPELINE (Thousands)	2,446.8	+ 0.3
Gathering	17.7	- 12.8
Transmission	299.0	- 1.8
Distribution	1,246.3	+ 1.1
Services	883.8	+ 0.3

Source: Tables in the section are compiled from U.S. Department of Transportation data

TABLE 5-1
GAS INDUSTRY MILES OF PIPELINE AND MAIN BY TYPE
1990-2012^a
 (Thousands)

Year	TOTAL ^a	Gathering	Transmission Pipeline	Distribution Main
1990	1,189.2	32.4	292.2	864.6
1991	1,208.2	32.7	294.1	891.4
1992	1,216.1	32.6	291.5	892.0
1993	1,277.2	32.1	293.3	951.8
1994	1,288.4	31.3	301.5	955.6
1995	1,277.6	30.9	296.9	949.8
1996	1,323.6	29.6	292.2	1,001.8
1997	1,331.8	34.7	294.0	1,003.1
1998	1,351.2	29.0	300.1	1,022.1
1999	1,340.3	31.8	301.0	1,007.5
2000	1,369.3	27.1	296.6	1,045.6
2001	1,373.5	20.1	287.1	1,066.3
2002	1,411.4	22.3	309.5	1,079.6
2003	1,424.2	22.3	304.0	1,097.9
2004	1,462.3	23.7	298.9	1,139.8
2005	1,437.5	23.3	296.4	1,117.8
2006	1,534.3	19.9	300.4	1,214.0
2007	1,520.2	19.1	300.0	1,201.1
2008	1,525.0	20.0	299.0	1,206.0
2009	1,526.4	19.7	297.2	1,209.5
2010	1,530.7	18.7	307.6	1,204.4
2011	1,557.1	20.4	304.5	1,232.3
2012	1,563.0	17.7	299.0	1,246.3
Steel	865.0	16.4	297.7	550.9
Plastic	663.4	1.1	1.2	661.1
Other	34.5	0.2	0.1	34.2

^a Excludes service pipe and underground storage.
 Numbers may not add up to totals due to independent rounding.

DISTRIBUTION AND TRANSMISSION

TABLE 5-2
GAS INDUSTRY MILES OF MAIN BY STATE
2000-2012

Division and State	2000	2005	2010	2011	2012
UNITED STATES	1,045,641	1,117,784	1,204,432	1,232,278	1,246,251
New England	32,281	35,768	35,218	35,384	35,592
Connecticut	7,084	7,465	7,666	7,696	7,751
Maine	452	602	748	780	803
Massachusetts	19,650	20,792	21,133	21,192	21,285
New Hampshire	1,609	3,066	1,863	1,866	1,875
Rhode Island	3,024	3,095	3,132	3,163	3,174
Vermont	462	748	678	688	704
Middle Atlantic	117,877	125,092	128,337	128,850	129,344
New Jersey	30,486	32,301	33,455	33,646	33,919
New York	44,681	46,444	47,591	47,700	47,880
Pennsylvania	42,710	46,348	47,290	47,504	47,545
East North Central	221,379	226,084	250,000	251,669	251,964
Illinois	52,801	45,647	60,991	60,739	60,881
Indiana	34,988	38,003	39,541	40,569	40,128
Michigan	50,434	54,054	55,917	56,163	56,496
Ohio	50,897	54,775	56,318	56,824	56,786
Wisconsin	32,259	33,605	37,233	37,373	37,674
West North Central	103,804	111,339	102,035	116,406	116,944
Iowa	16,679	20,343	17,533	17,683	17,670
Kansas	20,570	18,435	21,770	21,796	22,021
Minnesota	24,986	28,039	15,923	29,822	30,023
Missouri	23,781	25,721	26,912	27,083	26,891
Nebraska	10,861	11,930	12,422	12,438	12,529
North Dakota	2,461	2,723	2,992	3,015	3,162
South Dakota	4,466	4,149	4,483	4,570	4,649
South Atlantic	124,090	137,647	166,074	168,218	170,032
Delaware	2,144	2,422	2,809	2,841	2,872
District of Columbia	1,202	1,188	1,190	1,190	1,197
Florida	7,202	22,479	26,587	25,988	26,556
Georgia	37,113	39,583	43,065	43,260	43,585
Maryland	12,116	13,531	14,275	14,348	14,477
North Carolina	21,426	11,602	28,379	28,714	29,128
South Carolina	15,978	18,010	18,725	20,535	20,726
Virginia	17,435	19,242	20,602	20,780	20,847
West Virginia	9,474	9,590	10,441	10,561	10,644
East South Central	83,517	88,192	97,389	100,711	102,220
Alabama	23,811	26,964	29,659	29,930	30,257
Kentucky	14,848	15,779	16,565	17,365	17,471
Mississippi	13,581	14,124	14,659	15,657	16,299
Tennessee	31,277	31,325	36,506	37,759	38,193
West South Central	148,195	163,086	163,880	167,034	174,508
Arkansas	16,374	18,980	19,964	20,074	20,186
Louisiana	24,185	24,425	24,909	26,059	26,304
Oklahoma	21,520	23,992	25,100	25,506	25,878
Texas	86,116	95,690	93,906	95,396	102,140
Mountain	91,457	105,467	117,021	119,091	120,267
Arizona	17,838	21,488	23,852	24,019	24,145
Colorado	25,566	31,561	34,147	35,792	36,122
Idaho	5,986	7,033	7,945	7,972	8,022
Montana	5,645	6,494	6,713	6,835	6,970
Nevada	8,837	8,476	9,736	9,791	9,799
New Mexico	11,612	12,513	13,276	13,100	13,349
Utah	12,250	14,204	16,450	16,575	16,746
Wyoming	3,723	3,697	4,901	5,007	5,114
Pacific	123,041	125,108	144,479	144,913	145,380
Alaska	2,550	2,732	2,957	2,970	2,982
California	90,164	99,052	104,043	104,337	104,693
Hawaii	597	609	613	611	606
Oregon	11,906	14,199	15,289	15,309	15,345
Washington	17,824	8,516	21,577	21,686	21,754

Data not adjusted to common diameter equivalent. Mileage shown is as of end of year.

DISTRIBUTION AND TRANSMISSION

TABLE 5-3
GAS INDUSTRY MILES OF PIPELINE AND MAIN BY STATE AND TYPE OF MAIN
2012a,b,c

Division and State	TOTAL	Field and Gathering	Transmission	Distribution
UNITED STATES	1,562,957	17,679	299,027	1,246,251
New England	37,905	0	2,313	35,592
Connecticut	8,166	0	416	7,751
Maine	820	0	16	803
Massachusetts	21,320	0	35	21,285
New Hampshire	2,337	0	462	1,875
Rhode Island	4,302	0	1,128	3,174
Vermont	961	0	257	704
Middle Atlantic	135,808	911	5,554	129,344
New Jersey	34,358	0	439	33,919
New York	49,998	422	1,696	47,880
Pennsylvania	51,452	488	3,419	47,545
East North Central	289,254	2,110	35,180	251,964
Illinois	67,351	15	6,456	60,881
Indiana	49,220	717	8,375	40,128
Michigan	61,691	122	5,073	56,496
Ohio	60,449	1,256	2,408	56,786
Wisconsin	50,542	0	12,868	37,674
West North Central	132,447	154	15,348	116,944
Iowa	17,968	0	298	17,670
Kansas	25,405	102	3,282	22,021
Minnesota	31,249	0	1,226	30,023
Missouri	28,721	0	1,831	26,891
Nebraska	15,449	52	2,868	12,529
North Dakota	7,275	0	4,112	3,162
South Dakota	6,381	0	1,732	4,649
South Atlantic	197,440	601	26,807	170,032
Delaware	2,889	0	17	2,872
District of Columbia	1,197	0	0	1,197
Florida	32,448	0	5,892	26,556
Georgia	46,310	0	2,725	43,585
Maryland	14,660	0	182	14,477
North Carolina	30,096	0	969	29,128
South Carolina	21,498	0	772	20,726
Virginia	25,968	147	4,974	20,847
West Virginia	22,374	454	11,276	10,644
East South Central	140,768	2,283	36,265	102,220
Alabama	43,797	1,995	11,545	30,257
Kentucky	22,321	148	4,702	17,471
Mississippi	25,521	140	9,082	16,299
Tennessee	49,129	0	10,936	38,193
West South Central	297,989	10,435	113,047	174,508
Arkansas	21,568	127	1,255	20,186
Louisiana	42,426	1,213	14,910	26,304
Oklahoma	33,973	1,527	6,567	25,878
Texas	200,023	7,569	90,314	102,140
Mountain	171,038	941	49,830	120,267
Arizona	24,777	0	632	24,145
Colorado	59,025	139	22,765	36,122
Idaho	9,682	0	1,661	8,022
Montana	9,549	212	2,367	6,970
Nevada	10,695	0	896	9,799
New Mexico	16,384	22	3,013	13,349
Utah	16,839	7	86	16,746
Wyoming	24,086	563	18,409	5,114
Pacific	160,307	244	14,683	145,380
Alaska	3,932	50	900	2,982
California	117,254	194	12,367	104,693
Hawaii	629	0	23	606
Oregon	16,022	0	677	15,345
Washington	22,471	0	716	21,754

^a Includes field and gathering, transmission and distribution main but excludes service pipe and underground storage.

^b Data not adjusted to common diameter equivalent. Mileage shown as of end of year.

^c Transmission data is reported under state of company headquarters reporting if reporting for multiple states within a single DOT report.

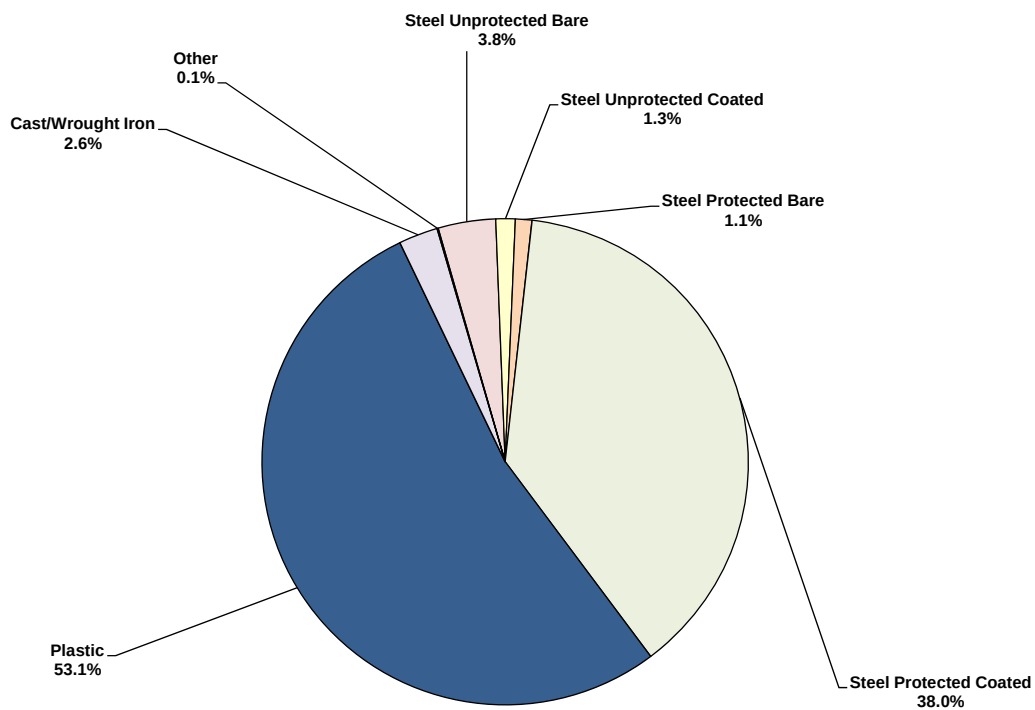
DISTRIBUTION AND TRANSMISSION

TABLE 5-4
MILES OF MAIN BY MATERIAL BY STATE
2012

Division and States	Steel Unprotected		Steel Cathodically Protected		Plastic	Cast Wrought Iron	Ductile Iron	Copper	Other	Total Miles of Main All Material
	Bare	Coated	Bare	Coated						
UNITED STATES	47,692	16,037	13,647	473,545	661,139	32,418	730	25	1,018	1,246,251
New England	2,190	1,436	158	10,692	14,777	6,308	30	0	2	35,592
Connecticut	186	50	0	3,269	2,766	1,467	12	0	0	7,751
Maine	2	14	0	140	590	56	0	0	2	803
Massachusetts	1,622	1,163	158	5,768	8,781	3,792	2	0	0	21,285
New Hampshire	34	21	0	731	955	134	0	0	0	1,875
Rhode Island	346	188	0	597	1,168	859	16	0	0	3,174
Vermont	0	0	0	187	517	0	0	0	0	704
Middle Atlantic	15,764	3,502	929	37,358	58,803	12,661	245	4	77	129,344
New Jersey	1,620	783	88	10,632	15,714	5,044	31	2	5	33,919
New York	6,511	1,374	389	14,094	21,076	4,396	23	0	17	47,880
Pennsylvania	7,633	1,346	453	12,632	22,013	3,221	191	2	55	47,545
East North Central	10,131	3,490	1,379	110,613	119,820	5,728	287	5	510	251,964
Illinois	176	12	159	39,184	19,343	1,744	263	0	0	60,881
Indiana	776	168	6	17,382	21,477	300	18	0	0	40,128
Michigan	551	1,839	798	20,814	29,376	3,101	2	2	12	56,496
Ohio	8,628	1,470	416	20,342	24,874	582	4	1	467	56,786
Wisconsin	0	0	0	12,891	24,749	0	0	2	32	37,674
West North Central	1,389	315	5,054	42,596	65,775	1,799	14	1	1	116,944
Iowa	71	130	113	7,545	9,794	16	0	0	0	17,670
Kansas	684	0	2,804	7,254	11,171	105	4	0	0	22,021
Minnesota	474	182	6	6,869	22,449	43	0	0	0	30,023
Missouri	4	0	1,203	11,664	12,906	1,113	0	1	0	26,891
Nebraska	149	2	892	6,266	4,706	503	9	0	1	12,529
North Dakota	0	0	8	1,182	1,972	0	0	0	0	3,162
South Dakota	6	1	28	1,816	2,778	18	1	0	0	4,649
South Atlantic	4,566	1,581	774	60,205	100,190	2,576	103	13	24	170,032
Delaware	14	25	6	615	2,120	91	1	0	0	2,872
District of Columbia	28	67	0	317	366	419	0	0	0	1,197
Florida	1,169	497	74	10,523	14,048	235	0	0	11	26,556
Georgia	73	0	54	17,275	26,171	12	0	0	0	43,585
Maryland	337	111	1	5,288	7,336	1,399	2	0	2	14,477
North Carolina	0	0	0	10,742	18,385	0	0	0	0	29,128
South Carolina	0	0	10	8,309	12,407	0	0	0	0	20,726
Virginia	340	477	271	5,606	13,628	406	100	13	6	20,847
West Virginia	2,604	404	359	1,529	5,729	14	0	0	5	10,644
East South Central	1,107	638	1,120	43,464	54,124	1,656	50	2	60	102,220
Alabama	333	534	375	12,538	15,031	1,383	7	2	54	30,257
Kentucky	709	82	102	7,835	8,649	89	0	0	5	17,471
Mississippi	5	20	601	7,992	7,606	54	21	0	0	16,299
Tennessee	60	1	42	15,099	22,838	130	23	0	0	38,193
West South Central	7,147	461	3,200	70,365	91,495	1,549	0	0	289	174,508
Arkansas	780	23	627	7,422	11,190	145	0	0	0	20,186
Louisiana	3	120	981	14,064	10,656	470	0	0	9	26,304
Oklahoma	1,295	88	562	9,288	14,645	0	0	0	0	25,878
Texas	5,070	230	1,030	39,591	55,005	934	0	0	280	102,140
Mountain	201	986	789	37,649	80,553	34	0	0	54	120,267
Arizona	0	0	556	7,050	16,538	0	0	0	0	24,145
Colorado	163	970	79	12,163	22,661	34	0	0	51	36,122
Idaho	0	0	0	2,897	5,125	0	0	0	0	8,022
Montana	8	0	2	2,291	4,669	0	0	0	0	6,970
Nevada	0	1	0	1,416	8,382	0	0	0	0	9,799
New Mexico	11	15	92	5,534	7,696	0	0	0	0	13,349
Utah	0	0	7	3,911	12,829	0	0	0	0	16,746
Wyoming	19	0	53	2,386	2,653	0	0	0	3	5,114
Pacific	5,197	3,626	243	60,603	75,601	109	0	0	0	145,380
Alaska	8	0	0	469	2,505	0	0	0	0	2,982
California	5,039	3,626	230	43,490	52,206	102	0	0	0	104,693
Hawaii	111	0	0	167	328	0	0	0	0	606
Oregon	12	0	1	7,878	7,453	0	0	0	0	15,345
Washington	28	0	12	8,598	13,110	7	0	0	0	21,754

Miles of Main by Material and Diameter are available by Company to AGA Members companies through the eGus Data System. (www.aga.org/eGus).

Chart 5 - 1
2012 U.S. Miles of Main By Material



DISTRIBUTION AND TRANSMISSION

TABLE 5-5
NUMBER OF SERVICES BY MATERIAL BY STATE
2012

Division and States	Steel Unprotected		Steel Cathodically Protected		Plastic	Cast Wrought Iron	Ductile Iron	Copper	Other	Total Number of Services All Material
	Bare	Coated	Bare	Coated						
UNITED STATES	2,183,973	1,732,495	372,280	14,579,193	45,148,925	13,511	336	1,009,255	1,613,459	66,653,427
New England	301,702	76,574	339	259,488	1,265,576	1,960	16	12,987	109,677	2,028,319
Connecticut	58,258	8,728	0	67,612	279,585	29	0	1,306	6,174	421,692
Maine	222	234	0	240	24,575	56	0	2	56	25,385
Massachusetts	192,355	56,086	333	161,970	741,775	1,638	0	11,191	100,348	1,265,696
New Hampshire	7,009	1,935	6	14,641	62,806	48	0	280	2,030	88,755
Rhode Island	43,858	9,591	0	10,285	126,474	189	16	208	1,069	191,690
Vermont	0	0	0	4,740	30,361	0	0	0	0	35,101
Middle Atlantic	962,442	265,336	16,583	982,884	5,745,676	8,559	0	282,191	29,264	8,292,935
New Jersey	281,483	5,472	0	408,825	1,539,020	0	0	68,072	0	2,302,872
New York	359,206	154,441	13,160	308,106	2,139,110	8,499	0	192,199	10,887	3,185,608
Pennsylvania	321,753	105,423	3,423	265,953	2,067,546	60	0	21,920	18,377	2,804,455
East North Central	211,289	243,796	39,696	2,644,113	9,137,872	147	310	494,664	1,300,875	14,072,762
Illinois	18,555	767	10,309	827,781	2,076,689	76	310	60,754	725,725	3,720,966
Indiana	2,583	14,550	981	481,852	1,472,896	0	0	278	288	1,973,428
Michigan	37,709	190,256	13,630	515,883	2,118,502	21	0	311,422	38,310	3,225,733
Ohio	152,442	38,193	14,776	531,128	2,160,821	50	0	104,143	536,549	3,538,102
Wisconsin	0	30	0	287,469	1,308,964	0	0	18,067	3	1,614,533
West North Central	101,971	28,618	59,539	1,040,398	4,385,899	7	0	92,242	80,971	5,789,645
Iowa	1,797	12,197	7,118	282,701	612,385	7	0	473	20,349	937,027
Kansas	79,449	6,979	44,863	98,742	718,702	0	0	570	0	949,305
Minnesota	6,273	5,750	68	128,676	1,310,703	0	0	16,428	3,456	1,471,354
Missouri	9,389	1,494	4,359	237,132	1,196,595	0	0	65,079	76	1,514,124
Nebraska	4,560	954	1,254	204,301	300,141	0	0	9,584	55,670	576,464
North Dakota	0	0	70	41,921	103,969	0	0	29	0	145,989
South Dakota	503	1,244	1,807	46,925	143,404	0	0	79	1,420	195,382
South Atlantic	271,983	95,519	24,249	1,464,250	5,987,935	110	10	95,145	14,966	7,954,167
Delaware	1,053	13,693	0	16,741	131,834	0	0	5,129	1,522	169,972
District of Columbia	7,035	13,433	0	4,720	86,621	0	0	11,445	0	123,254
Florida	38,763	14,666	11,838	198,549	591,442	0	0	347	5,656	861,261
Georgia	38,022	7,839	6,197	434,000	1,525,386	0	0	17	0	2,011,461
Maryland	94,343	12,247	59	143,576	705,644	0	0	50,878	0	1,006,747
North Carolina	0	0	0	279,032	1,095,351	0	0	0	0	1,374,383
South Carolina	31	0	408	179,354	576,837	0	0	0	0	756,630
Virginia	16,015	31,935	100	139,950	1,004,240	79	10	27,276	7,219	1,226,824
West Virginia	76,721	1,706	5,647	68,328	270,580	31	0	53	569	423,635
East South Central	72,742	6,687	119,400	1,186,283	2,424,385	1,845	0	11,358	5,056	3,827,756
Alabama	52,573	3,093	105,964	253,061	647,092	358	0	1,135	4,228	1,067,504
Kentucky	18,497	1,272	8,020	247,481	557,183	1,485	0	7,707	828	842,473
Mississippi	0	964	3,952	277,394	315,934	2	0	186	0	598,432
Tennessee	1,672	1,358	1,464	408,347	904,176	0	0	2,330	0	1,319,347
West South Central	234,525	88,252	66,206	2,753,561	4,779,248	883	0	10,201	9,000	7,941,876
Arkansas	14,415	27,149	11,515	229,477	392,304	0	0	0	4	674,864
Louisiana	5,819	37,893	22,476	580,632	456,015	883	0	4,124	3,586	1,111,428
Oklahoma	40,252	3,548	19,547	451,194	779,210	0	0	0	43	1,293,794
Texas	174,039	19,662	12,668	1,492,258	3,151,719	0	0	6,077	5,367	4,861,790
Mountain	19,230	46,326	26,155	1,359,545	4,410,026	0	0	0	57,629	5,918,911
Arizona	0	0	11,835	192,410	1,049,451	0	0	0	0	1,253,696
Colorado	15,982	45,746	3,259	472,926	1,042,503	0	0	0	48,794	1,629,210
Idaho	0	0	0	94,233	320,760	0	0	0	80	415,073
Montana	582	0	52	109,353	181,108	0	0	0	0	291,095
Nevada	0	0	0	39,099	702,066	0	0	0	1,551	742,716
New Mexico	0	580	10,528	231,315	379,601	0	0	0	0	622,024
Utah	0	0	2	145,619	635,226	0	0	0	7,181	788,028
Wyoming	2,666	0	479	74,590	99,311	0	0	0	23	177,069
Pacific	8,089	881,387	20,113	2,888,671	7,012,308	0	0	10,467	6,021	10,827,056
Alaska	0	36	0	14,633	105,586	0	0	1,748	0	122,003
California	129	881,351	18,568	2,307,263	5,445,880	0	0	8,646	10	8,661,847
Hawaii	7,414	0	0	5,434	19,493	0	0	38	2,853	35,232
Oregon	44	0	45	239,295	523,915	0	0	0	2,705	766,004
Washington	502	0	1,500	322,046	917,434	0	0	35	453	1,241,970

Number of Services by Material and Diameter are available by Company to AGA Members companies through the eGus Data System. (www.aga.org/eGus).

Chart 5 - 2
2012 U.S. Number of Services By Material

