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Preface

The *Natural Gas Monthly* (NGM) highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported.

The data in this publication are collected on surveys conducted by EIA to fulfill its responsibilities for gathering and reporting energy data. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the NGM is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Contents

Highlights	1
Common Abbreviations	2
Appendices	
A. Explanatory Notes.....	97
B. Data Sources	105
C. Statistical Considerations.....	111
Glossary	121

Tables

1. Summary of Natural Gas Supply and Disposition in the United States, 2011-2016.....	3
2. Natural Gas Consumption in the United States, 2011-2016	5
3. Selected National Average Natural Gas Prices, 2011-2016.....	7
4. U.S. Natural Gas Imports, 2014-2016.....	9
5. U.S. Natural Gas Exports, 2014-2016	14
6. Gross Withdrawals of Natural Gas in Selected States and the Federal Gulf of Mexico, 2011-2016.....	19
7. Marketed Production of Natural Gas in Selected States and the Federal Gulf of Mexico, 2011-2016.....	21
8. Underground Natural Gas Storage - All Operators, 2011-2016	23
9. Underground Natural Gas Storage - by Season, 2014-2016	25
10. Underground Natural Gas Storage - Salt Cavern Storage Fields, 2011-2016.....	26
11. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 2011-2016.....	27
12. Net Withdrawals from Underground Storage, by State, 2014-2016	28
13. Activities of Underground Natural Gas Storage Operators, by State, October 2016	33
14. Natural Gas Deliveries to Residential Consumers, by State, 2014-2016.....	34
15. Natural Gas Deliveries to Commercial Consumers, by State, 2014-2016	39
16. Natural Gas Deliveries to Industrial Consumers, by State, 2014-2016	44
17. Natural Gas Deliveries to Electric Power Consumers, by State, 2014-2016	49
18. Natural Gas Deliveries to All Consumers, by State, 2014-2016	54
19. Average Citygate Price, by State, 2014-2016	59
20. Average Price of Natural Gas Sold to Residential Consumers, by State, 2014-2016	64
21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2014-2016.....	69
22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2014-2016.....	74
23. Average Price of Natural Gas Sold to Electric Power Consumers, by State, 2014-2016.....	79
24. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Prices, by State, 2014-2016.....	84
25. Heating Value of Natural Gas Consumed, by State, 2014-2016	91
26. Natural Gas Home Customer-Weighted Heating Degree Days.....	96
A1. Methodology for Most Recent Monthly Natural Gas Supply and Disposition Data of Tables 1 and 2	97
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, October 2016	119

Figures

1. Production, Consumption, and Net Imports of Natural Gas in the United States, 2013-2016.....	4
2. Natural Gas Deliveries to Consumers in the United States, 2013-2016.....	6
3. Citygate and Consumer Prices of Natural Gas in the United States, 2013-2016	8
4. Spot Prices of Natural Gas and Natural Gas Plant Liquids in the United States, 2013-2016	8
5. Working Gas in Underground Natural Gas Storage in the United States, 2013-2016	24
6. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Price Estimates, 2013-2016	90

Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through October 2016.

Recent analyses of the natural gas industry are available on the [EIA website](#) by clicking the “[Natural Gas](#)” link under the “Sources & Uses” tab. The two reports listed under “Regular Weekly Releases” along the right side of the natural gas page are updated regularly. These reports are:

- [Weekly Natural Gas Storage Report](#) -- a weekly report containing estimates of natural gas in underground storage for the United States and five regions of the United States released each Thursday at 10:30 a.m. at the EIA website, except for certain weeks with Federal holidays. The report contains estimates of storage for the current and prior week and comparisons to previous periods. Links are provided to papers describing survey Form EIA-912, "Weekly Underground Natural Gas Storage Report," and the estimation methodology.
- [Natural Gas Weekly Update](#) -- a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.

Other natural gas data and analyses may be found through the “Natural Gas” section of EIA’s website.

Abbreviations

Common Abbreviations Used in the *Natural Gas Monthly*

Bcf	Billion cubic feet
CNG	Compressed natural gas
DOE	U.S. Department of Energy
EIA	Energy Information Administration, U.S. Department of Energy
FERC	Federal Energy Regulatory Commission
GOM	Gulf of Mexico
LNG	Liquefied natural gas
Mcf	Thousand cubic feet
MMcf	Million cubic feet
NGPL	Natural gas plant liquid
Tcf	Trillion cubic feet

Table 1. Summary of natural gas supply and disposition in the United States, 2011-2016

(billion cubic feet)

Year and Month	Gross Withdrawals	Marketed Production	NGPL Production ^a	Dry Gas Production ^b	Supplemental Gaseous Fuels ^c	Net Imports	Net Storage Withdrawals ^d	Balancing Item ^e	Consumption ^f
2011 Total	28,479	24,036	1,134	22,902	60	1,963	-354	-94	24,477
2012 Total	29,542	25,283	1,250	24,033	61	1,519	-9	-66	25,538
2013 Total	29,523	25,562	1,357	24,206	55	1,311	546	38	26,155
2014									
January	2,580	2,199	129	2,070	5	161	992	-23	3,204
February	2,357	2,033	119	1,914	4	107	745	-29	2,741
March	2,624	2,267	133	2,135	5	85	363	-30	2,558
April	2,584	2,248	131	2,116	5	79	-224	-14	1,962
May	2,633	2,310	135	2,175	5	93	-488	26	1,810
June	2,560	2,247	131	2,116	5	82	-473	16	1,745
July	2,629	2,371	139	2,233	5	74	-409	-22	1,881
August	2,645	2,384	139	2,245	5	91	-383	-26	1,933
September	2,626	2,307	135	2,172	5	82	-431	-18	1,809
October	2,736	2,407	141	2,266	5	106	-409	-55	1,913
November	2,662	2,315	135	2,179	5	107	168	-102	2,358
December	2,770	2,410	141	2,269	5	117	295	-7	2,679
Total	31,405	27,498	1,608	25,890	60	1,181	-254	-283	26,593
2015									
January	2,771	2,391	141	2,250	5	135	741	-15	3,116
February	2,516	2,193	129	2,063	4	109	757	-8	2,927
March	2,824	2,439	144	2,296	5	93	201	-2	2,592
April	2,750	2,391	141	2,251	5	75	-329	12	2,013
May	2,791	2,444	144	2,300	5	70	-508	-4	1,863
June	2,669	2,368	139	2,229	5	68	-370	-24	1,908
July	2,758	2,448	144	2,304	5	73	-291	-14	2,077
August	2,742	2,446	144	2,302	5	69	-317	2	2,061
September	2,727	2,390	141	2,249	5	46	-381	-11	1,909
October	2,801	2,441	144	2,298	5	68	-339	-38	1,994
November	2,731	2,362	139	2,223	5	63	17	-52	2,255
December	2,814	2,438	144	2,295	5	66	272	-47	2,591
Total	32,895	28,753	1,693	27,060	59	935	-546	-201	27,306
2016									
January	£2,819	£2,424	148	£2,275	5	105	728	R-12	£3,102
February	£2,668	£2,304	140	£2,164	5	89	403	*	£2,662
March	£2,823	£2,431	157	£2,274	5	46	59	R-18	£2,366
April	£2,682	£2,340	151	£2,188	5	66	-164	R-1	£2,093
May	£2,779	£2,411	160	£2,250	5	62	-327	-14	1,976
June	£2,635	£2,304	156	£2,148	2	61	-224	R21	2,009
July	£2,710	£2,372	160	£2,213	5	79	-133	R32	2,195
August	£2,742	£2,394	152	£2,242	5	49	-124	R47	£2,219
September	£2,641	£2,304	147	£2,156	5	R37	-263	R21	1,957
October	£2,717	£2,351	160	£2,191	5	30	-309	12	1,929
2016 10-Month	£27,216	£23,633	1,532	£22,101	48	624	-354	87	22,506
2015 10-Month	27,349	23,953	1,411	22,542	49	807	-835	-102	22,461
2014 10-Month	25,973	22,773	1,332	21,441	49	958	-717	-175	21,557

^a Monthly natural gas plant liquid (NGPL) production, gaseous equivalent, is derived from sample data reported by gas processing plants on Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production."

^b Equal to marketed production minus NGPL production.

^c Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Co. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Co.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Co. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^d Monthly and annual data for 2011 through 2015 include underground storage and liquefied natural gas storage. Data for January 2016 forward include underground storage only. See Appendix A, Explanatory Note 5, for discussion of computation procedures.

^e Represents quantities lost and imbalances in data due to differences among data sources. Net imports and balancing item for 2014 and 2015 excludes net intransit deliveries. These net intransit deliveries were (in billion cubic feet): 57 for 2015; 27 for 2014; 54 for 2013; 57 for 2012; and 37 for 2011. See Appendix A, Explanatory Note 7, for full discussion.

^f Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 2.

^R Revised data.

^E Estimated data.

* Volume is between -500 Mcf and 500 Mcf.

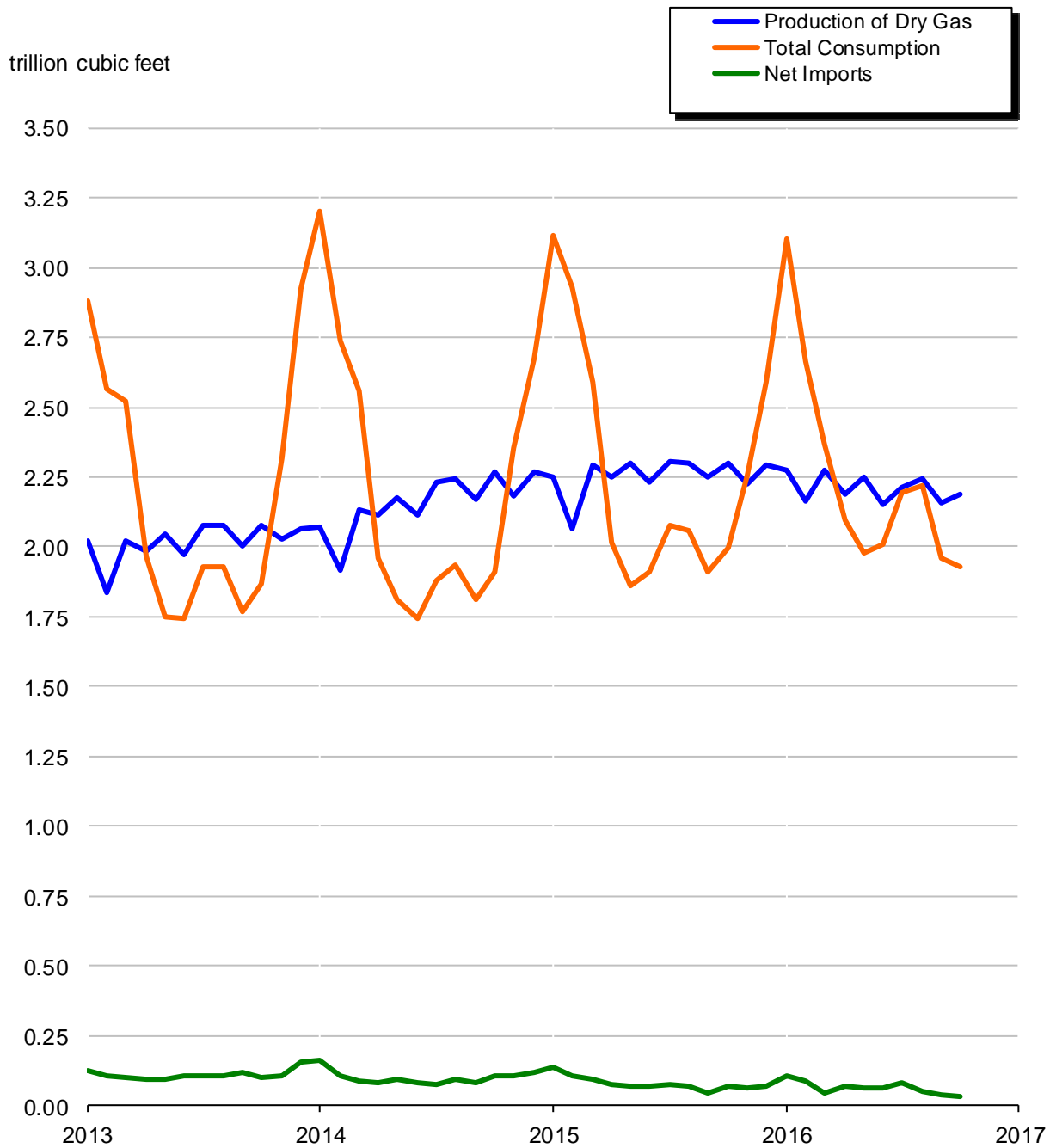
^{RE} Revised estimated data.

Notes: Data for 2011 through 2014 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 2011-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-191, "Monthly Underground Gas Storage Report"; EIA computations and estimates; and Office of Fossil Energy, "Natural Gas Imports and Exports." See Table 7 for detailed source notes for Marketed Production. See Appendix A, Notes 3 and 4, for discussion of computation and estimation procedures and revision policies.

Figure 1

Figure 1. Production, consumption, and net imports of natural gas in the United States, 2013-2016



Sources: 2013-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-191, "Monthly Underground Gas Storage Report"; EIA computations and estimates; and Office of Fossil Energy, "Natural Gas Imports and Exports."

Table 2. Natural gas consumption in the United States, 2011-2016

(billion cubic feet, or as indicated)

Year and Month	Lease and Plant Fuel ^a	Pipeline and Distribution Use ^b	Delivered to Consumers						Total Consumption	Heating Value ^c (Btu per cubic foot)
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel	Total		
2011 Total	1,323	688	4,714	3,155	6,994	7,574	30	22,467	24,477	1,022
2012 Total	1,396	731	4,150	2,895	7,226	9,111	30	23,411	25,538	1,024
2013 Total	1,483	833	4,897	3,295	7,425	8,191	30	23,839	26,155	1,027
2014										
January	121	86	1,037	572	722	663	3	2,997	3,204	1,029
February	112	73	853	490	659	551	3	2,556	2,741	1,028
March	125	68	700	421	681	561	3	2,365	2,558	1,029
April	124	51	356	251	628	549	3	1,787	1,962	1,029
May	127	47	203	177	606	647	3	1,636	1,810	1,030
June	124	45	126	141	586	721	3	1,577	1,745	1,030
July	130	49	113	138	605	843	3	1,702	1,881	1,032
August	131	50	105	137	609	898	3	1,752	1,933	1,033
September	127	47	122	149	591	771	3	1,635	1,809	1,033
October	132	50	212	202	610	703	3	1,731	1,913	1,033
November	127	62	544	362	660	600	3	2,168	2,358	1,034
December	133	71	717	427	690	639	3	2,476	2,679	1,035
Total	1,512	700	5,087	3,466	7,646	8,146	35	24,381	26,593	1,032
2015										
January	132	77	937	532	720	714	3	2,906	3,116	1,036
February	121	73	902	517	661	651	3	2,733	2,927	1,036
March	135	64	633	385	663	709	3	2,394	2,592	1,036
April	132	49	319	232	609	668	3	1,832	2,013	1,037
May	135	45	177	160	604	739	3	1,684	1,863	1,037
June	131	46	124	135	576	893	3	1,732	1,908	1,037
July	135	50	108	134	593	1,054	3	1,891	2,077	1,037
August	135	50	103	135	601	1,035	3	1,876	2,061	1,036
September	132	46	108	138	580	902	3	1,731	1,909	1,037
October	135	48	201	195	614	798	3	1,811	1,994	1,037
November	130	55	406	283	639	737	3	2,069	2,255	1,038
December	135	64	591	352	675	771	3	2,393	2,591	1,038
Total	1,587	666	4,610	3,199	7,535	9,671	39	25,054	27,306	1,037
2016										
January	£134	£76	889	507	£722	771	£3	2,892	£3,102	1,038
February	£127	£65	£698	416	666	686	£3	£2,470	£2,662	1,038
March	£134	£58	£458	299	668	744	£3	£2,174	£2,366	1,037
April	£129	£51	330	234	£623	723	£3	£1,913	£2,093	1,037
May	£133	£48	196	172	£616	808	£3	1,795	1,976	1,034
June	£127	£49	£124	139	£595	971	£3	£1,832	2,009	1,034
July	£131	£54	108	136	621	1,142	£4	2,010	2,195	1,034
August	£132	£54	102	141	631	1,155	£4	2,032	£2,219	1,037
September	£127	£48	111	145	608	915	£4	1,782	1,957	1,037
October	£130	£47	189	193	625	741	£4	1,752	1,929	1,036
2016 10-Month YTD	£1,304	£549	3,205	2,381	6,376	8,657	£34	20,653	22,506	1,036
2015 10-Month YTD	1,322	548	3,613	2,564	6,220	8,162	33	20,591	22,461	1,037
2014 10-Month YTD	1,252	567	3,827	2,678	6,296	6,907	29	19,738	21,557	1,030

^a Plant fuel data and lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next 12 months.

^b Published pipeline and distribution use data are based on reports collected on an annual basis. Monthly pipeline and distribution use data are estimated from monthly total consumption (excluding pipeline and distribution use) by assuming that the preceding annual percentage remains constant for the next 12 months. Pipeline and distribution use volumes include Line Loss, defined as known volumes of natural gas that were the result of leaks, damage, accidents, migration, and/or blow down.

^c Heating value is the average number of British thermal units per cubic foot of natural gas as reported on EIA-857 and EIA-176. See Appendix A, Explanatory Note 11, for further information.

^R Revised data.

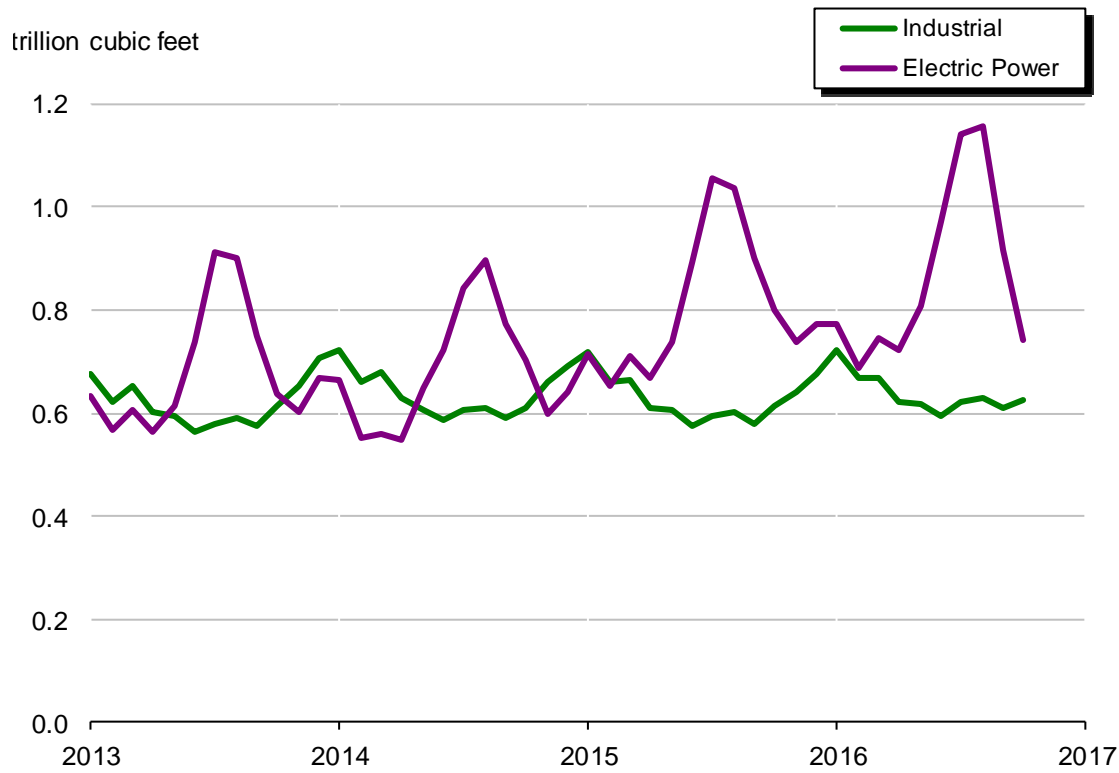
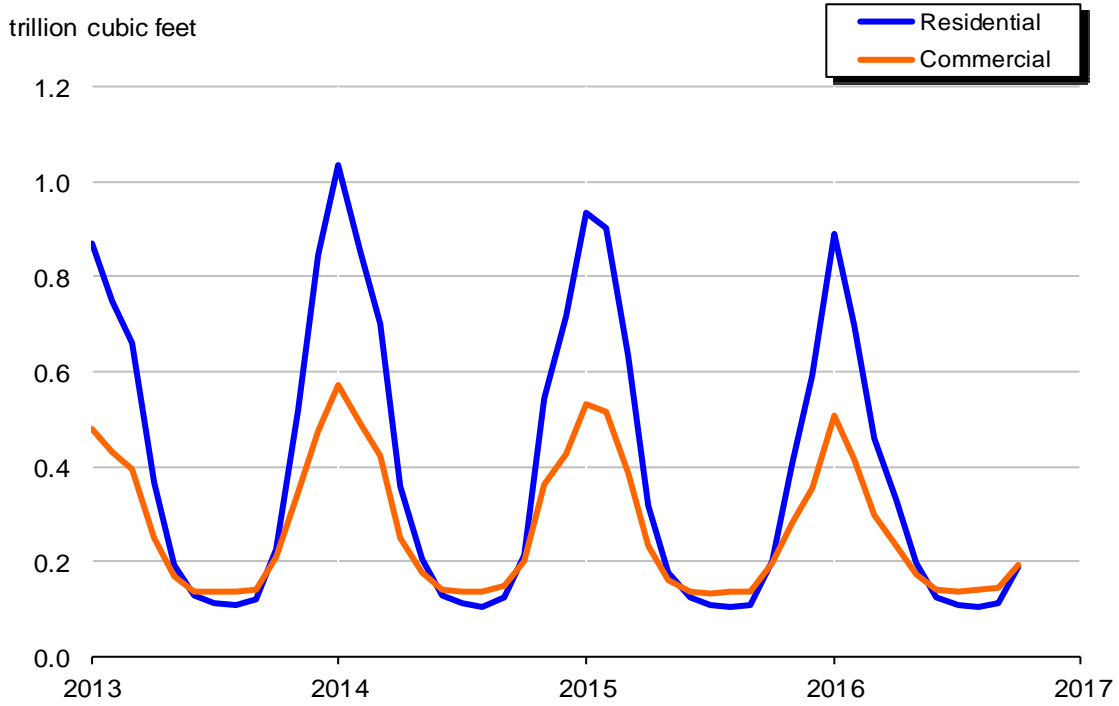
^E Estimated data.

Notes: Data for 2011 through 2014 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Note 6, for definition of sectors.

Sources: 2011-2015: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; state and federal agencies; EIA estimates based on historical data; and *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Natural Gas Production Report"; Form EIA-857; Form EIA-923, "Power Plant Operations Report." See Appendix A, Explanatory Note 6, for computation procedures and revision policy.

Figure 2

Figure 2. Natural gas deliveries to consumers in the United States, 2013-2016



Sources: 2013-2015: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-923, "Power Plant Operations Report"; EIA computations; and Natural Gas Annual 2015. January 2016 through current month: Form EIA-857 and Form EIA-923.

Table 3. Selected national average natural gas prices, 2011-2016

(dollars per thousand cubic feet, except where noted)

Year and Month	NGPL Composite Spot Price ^a	Natural Gas Spot Price ^b	Citygate Price	Delivered to Consumers						
				Residential		Commercial		Industrial		Electric Power Price ^d
				Price	% of Total ^c	Price	% of Total ^c	Price	% of Total ^c	
2011 Annual Average	15.12	4.00	5.63	11.03	96.2	8.91	67.3	5.13	16.3	4.89
2012 Annual Average	10.98	2.75	4.73	10.65	95.8	8.10	65.2	3.88	16.2	3.54
2013 Annual Average	9.94	3.73	4.88	10.32	95.7	8.08	65.8	4.64	16.6	4.49
2014										
January	11.61	4.71	5.56	9.26	95.7	8.11	70.7	5.69	15.5	7.46
February	11.94	6.00	6.41	9.77	95.5	8.69	70.6	6.63	16.1	7.80
March	10.03	4.90	6.57	10.70	95.4	9.35	69.4	6.47	15.8	6.29
April	10.26	4.66	5.64	11.76	95.3	9.49	65.1	5.85	14.9	5.25
May	10.02	4.58	5.90	13.60	95.4	9.70	60.5	5.74	14.8	5.09
June	10.17	4.59	6.05	16.13	95.5	9.94	58.1	5.46	14.5	4.99
July	9.94	4.05	5.99	17.23	95.5	10.06	55.7	5.43	14.7	4.58
August	9.69	3.91	5.49	17.41	95.6	9.67	55.2	4.96	14.3	4.25
September	9.86	3.92	5.51	16.27	95.6	9.39	55.7	5.02	13.9	4.34
October	8.75	3.78	5.16	13.11	95.3	8.97	58.8	5.03	13.7	4.23
November	7.84	4.12	4.91	10.19	95.8	8.29	66.0	5.02	14.7	4.68
December	5.63	3.48	5.15	10.01	95.6	8.53	68.4	5.62	15.0	4.50
Annual Average	9.56	4.37	5.71	10.97	95.5	8.90	65.8	5.62	15.9	5.19
2015										
January	5.08	2.99	4.48	9.50	95.7	8.14	70.9	4.87	15.0	4.29
February	5.70	2.87	4.57	9.08	95.6	7.81	71.0	4.71	15.4	4.99
March	5.52	2.83	4.36	9.28	95.4	7.84	69.9	4.43	15.6	3.71
April	5.58	2.61	3.93	10.44	95.4	8.02	64.8	3.94	14.9	3.23
May	5.25	2.85	4.24	12.73	95.4	8.13	61.2	3.56	15.4	3.28
June	4.78	2.78	4.44	15.07	95.5	8.52	57.9	3.74	14.9	3.24
July	4.73	2.84	4.65	16.28	95.7	8.49	56.9	3.73	14.9	3.23
August	4.42	2.77	4.59	16.89	95.4	8.45	55.6	3.77	14.6	3.22
September	4.89	2.66	4.56	16.40	95.9	8.42	55.8	3.63	14.8	3.19
October	4.95	2.34	4.00	12.60	95.5	7.78	59.5	3.52	14.9	3.03
November	4.72	2.09	3.68	10.02	96.0	7.39	63.9	3.26	15.1	2.78
December	4.23	1.93	3.75	9.27	96.1	7.22	67.6	3.45	15.2	2.71
Annual Average	4.97	2.62	4.26	10.38	95.7	7.91	65.9	3.91	15.1	3.37
2016										
January	3.69	2.28	3.39	8.30	96.1	6.74	70.4	3.62	15.2	3.17
February	3.89	1.99	R3.48	8.38	95.9	6.82	69.4	3.63	15.3	2.83
March	4.48	1.73	R3.49	9.21	95.6	7.05	66.8	3.04	15.2	2.33
April	4.65	1.92	R3.22	9.65	95.6	6.94	R65.1	3.00	14.4	2.52
May	5.11	1.92	R3.45	R11.61	95.4	7.35	60.2	2.91	R14.5	2.49
June	5.25	2.59	3.98	R14.47	95.7	7.71	R57.9	2.88	14.5	2.77
July	4.92	2.82	4.45	R16.58	95.9	8.11	R57.0	3.56	14.2	3.07
August	4.94	2.82	R4.37	R17.63	95.8	8.25	R55.1	3.58	14.6	3.07
September	5.25	2.99	R4.59	R16.80	96.1	8.27	R55.4	R3.73	14.5	3.19
October	6.05	2.98	4.19	13.74	95.9	7.93	59.8	3.87	14.4	3.24
2016 10-Month YTD	4.84	2.40	3.64	10.20	95.8	7.22	64.3	3.39	14.7	2.89
2015 10-Month YTD	5.08	2.75	4.40	10.58	95.6	8.04	65.7	4.02	15.0	3.49
2014 10-Month YTD	10.17	4.49	5.93	11.24	95.5	9.03	65.4	5.68	14.9	5.29

^a The natural gas plant liquid (NGPL) composite spot price, shown in dollars per million Btu (\$/MMBtu), is derived from daily Bloomberg spot price data for natural gas plant liquids at Mont Belvieu, Texas, weighted by gas processing plant production volumes of each product as reported on Form EIA-816, "Monthly Natural Gas Liquids Report." See Appendix A, Explanatory Note 9, for full discussion.

^b The natural gas spot price, shown in \$/MMBtu, represents the average of the daily closing spot prices for natural gas at the Henry Hub in Louisiana, taken from Thompson Reuters. See Appendix A, Explanatory Note 9, for full discussion.

^c Percentage of total deliveries represented by onsystem sales (see Figure 6). See Table 24 for state data.

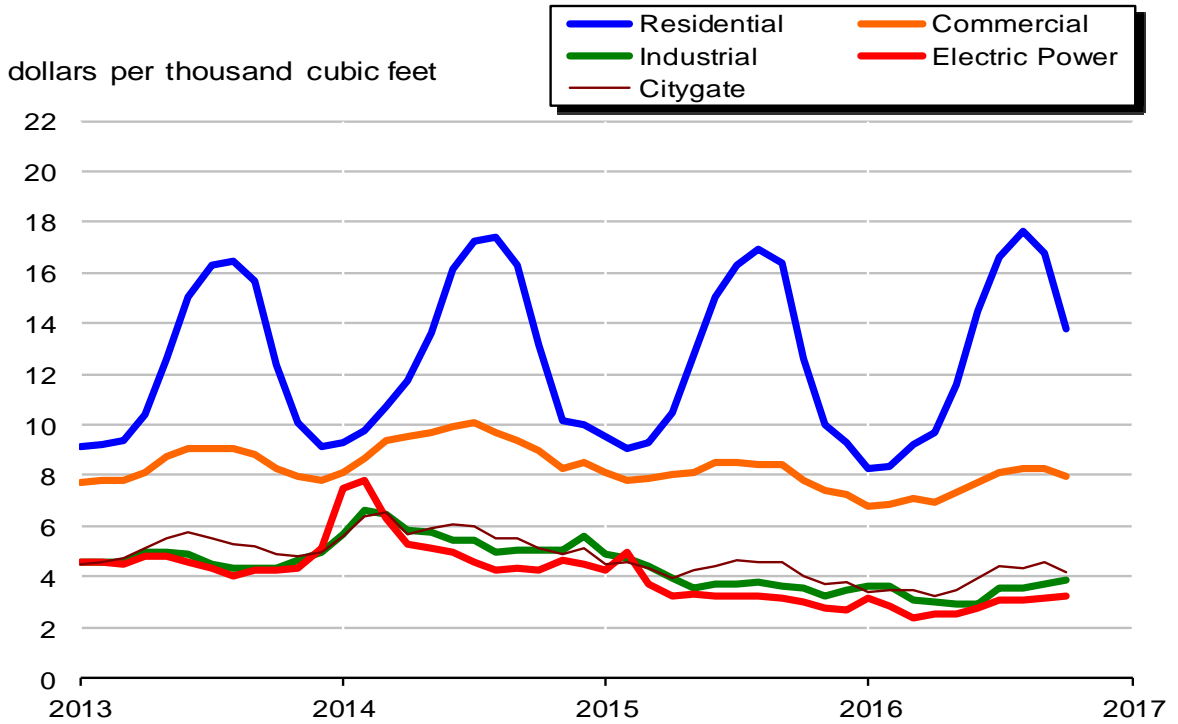
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 2011 through 2014 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Published residential, commercial, and industrial prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges.

Sources: 2011-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Thompson Reuters; and EIA estimates.

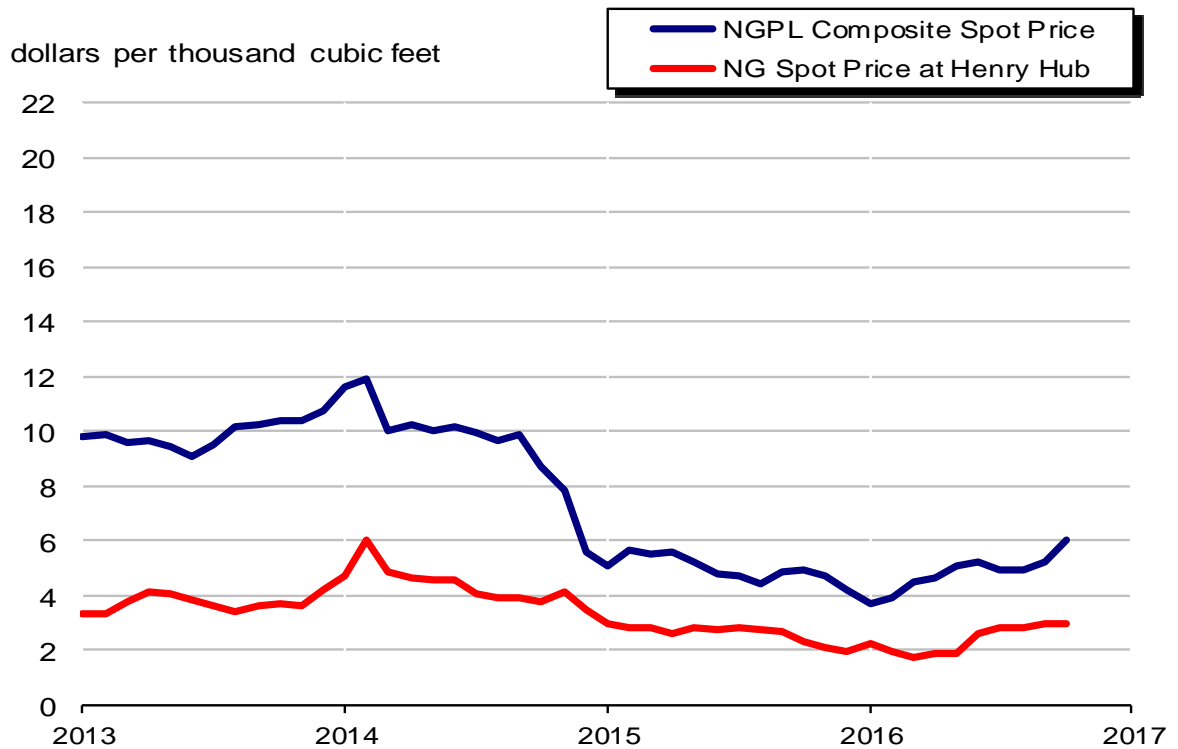
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2013-2016



Note: Prices are in nominal dollars.

Sources: 2013-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Thompson Reuters; and EIA estimates.

Figure 4. Spot prices of natural gas and natural gas plant liquids in the United States, 2013-2016



Note: Prices are in nominal dollars.

Sources: 2013-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Thompson Reuters; and EIA estimates.

Table 4. U.S. natural gas imports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet)

	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	2,419,077	2,193,177	2,161,409	224,043	234,164	252,620	259,132	234,145
Mexico	770	797	1,241	83	82	90	92	83
Total Pipeline Imports	2,419,847	2,193,974	2,162,650	224,125	234,246	252,710	259,224	234,229
LNG								
By Truck								
Canada	868	333	104	58	72	84	70	118
By Vessel								
Norway	0	5,992	2,621	0	0	0	0	0
Trinidad/Tobago	69,573	64,612	37,830	5,696	2,810	7,998	5,703	7,520
Yemen	0	7,441	8,006	0	0	0	0	0
Other	0	0	2,703	0	0	0	0	0
Total LNG Imports	70,440	78,378	51,264	5,753	2,882	8,082	5,773	7,638
CNG								
Canada	249	242	243	25	15	17	25	19
Total Imports	2,490,537	2,272,594	2,214,157	229,903	237,143	260,809	265,022	241,885
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.03	2.97	5.47	2.50	2.42	2.29	2.26	1.76
Mexico	1.73	1.81	3.52	2.50	2.43	2.27	2.45	1.41
Total Pipeline Imports	2.03	2.97	5.47	2.50	2.42	2.29	2.26	1.76
LNG								
By Truck								
Canada	8.09	8.86	10.24	7.93	8.04	8.11	7.95	7.80
By Vessel								
Norway	--	15.12	4.30	--	--	--	--	--
Trinidad/Tobago	3.83	7.10	9.79	3.05	3.13	3.17	3.15	3.11
Yemen	--	9.10	5.88	--	--	--	--	--
Other	--	--	12.95	--	--	--	--	--
Total LNG Imports	3.89	7.91	9.06	3.10	3.25	3.23	3.21	3.18
CNG								
Canada	1.92	4.33	13.29	0.72	1.22	1.20	1.62	0.63
Total Imports	2.19	3.41	5.76	2.59	2.47	2.42	2.35	1.90
Net Imports - Volume	623,845	806,575	957,759	29,691	37,418	48,776	78,739	61,138

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2016					2015		
	May	April	March	February	January	Total	December	November
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	243,017	236,451	232,095	241,948	261,462	2,625,359	221,550	210,632
Mexico	72	71	69	70	59	933	64	72
Total Pipeline Imports	243,088	236,522	232,164	242,019	261,521	2,626,291	221,613	210,704
LNG								
By Truck								
Canada	113	74	65	116	97	437	59	45
By Vessel								
Norway	0	0	0	0	0	12,194	3,105	3,097
Trinidad/Tobago	5,087	4,693	8,503	9,612	11,951	71,439	2,453	4,373
Yemen	0	0	0	0	0	7,441	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	5,200	4,767	8,568	9,728	12,048	91,511	5,618	7,515
CNG								
Canada	29	28	33	29	30	291	26	23
Total Imports	248,317	241,317	240,764	251,775	273,600	2,718,094	227,257	218,242
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.44	1.51	1.55	2.12	2.42	2.84	2.13	2.19
Mexico	1.10	1.03	0.82	1.22	1.50	1.71	1.22	1.08
Total Pipeline Imports	1.44	1.51	1.55	2.12	2.42	2.84	2.13	2.19
LNG								
By Truck								
Canada	7.72	7.88	8.74	8.58	8.21	8.69	8.12	8.21
By Vessel								
Norway	--	--	--	--	--	8.56	2.31	2.13
Trinidad/Tobago	3.36	3.23	3.25	5.08	5.45	6.98	6.08	5.63
Yemen	--	--	--	--	--	9.10	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	3.45	3.30	3.29	5.12	5.48	7.37	4.02	4.20
CNG								
Canada	1.10	1.05	1.54	3.27	5.41	4.18	3.78	3.02
Total Imports	1.55	1.61	1.73	2.43	2.80	2.99	2.28	2.40
Net Imports - Volume	62,421	65,716	45,849	89,019	105,079	934,581	65,503	62,503

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	October	September	August	July	June	May	April	March
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	217,493	203,066	202,567	209,698	203,583	202,545	202,133	242,508
Mexico	83	83	82	80	73	78	76	77
Total Pipeline Imports	217,576	203,150	202,649	209,779	203,656	202,623	202,209	242,585
LNG								
By Truck								
Canada	43	45	44	41	41	34	39	46
By Vessel								
Norway	5,992	0	0	0	0	0	0	0
Trinidad/Tobago	2,653	5,609	11,161	7,133	2,557	1,673	2,844	11,770
Yemen	0	0	0	0	0	0	0	2,834
Other	0	0	0	0	0	0	0	0
Total LNG Imports	8,689	5,654	11,205	7,173	2,598	1,707	2,883	14,651
CNG								
Canada	21	15	21	21	19	19	28	38
Total Imports	226,286	208,818	213,875	216,973	206,273	204,348	205,120	257,274
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.37	2.49	2.51	2.44	2.43	2.44	2.39	3.16
Mexico	1.55	1.65	1.84	1.83	1.88	1.58	1.64	1.93
Total Pipeline Imports	2.37	2.49	2.51	2.44	2.43	2.44	2.39	3.16
LNG								
By Truck								
Canada	8.40	8.36	8.76	8.43	9.03	8.95	9.50	9.51
By Vessel								
Norway	15.12	--	--	--	--	--	--	--
Trinidad/Tobago	6.25	6.02	3.43	4.51	6.24	5.98	8.29	8.26
Yemen	--	--	--	--	--	--	--	7.42
Other	--	--	--	--	--	--	--	--
Total LNG Imports	12.38	6.03	3.45	4.53	6.29	6.04	8.31	8.10
CNG								
Canada	1.99	1.14	0.52	0.45	0.79	0.88	2.02	8.55
Total Imports	3.23	2.75	2.74	2.66	2.56	2.52	2.59	3.90
Net Imports - Volume	67,768	46,245	68,991	73,153	68,093	70,074	74,792	93,307

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2015		Total	December	November	October	September	2014
	February	January						August
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	241,917	267,666	2,634,375	245,603	227,362	213,743	195,743	204,845
Mexico	79	85	1,426	91	95	115	113	124
Total Pipeline Imports	241,996	267,751	2,635,801	245,694	227,457	213,858	195,856	204,968
LNG								
By Truck								
Canada	0	0	132	28	0	63	0	0
By Vessel								
Norway	0	0	5,616	2,995	0	2,621	0	0
Trinidad/Tobago	9,830	9,382	42,818	4,988	0	4,289	2,874	1,567
Yemen	2,373	2,234	8,006	0	0	0	2,871	0
Other	0	0	2,703	0	0	0	0	0
Total LNG Imports	12,202	11,616	59,275	8,011	0	6,973	5,745	1,567
CNG								
Canada	32	30	303	32	28	27	22	19
Total Imports	254,230	279,397	2,695,378	253,736	227,485	220,858	201,622	206,554
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	4.82	4.01	5.22	4.10	3.97	3.69	3.85	3.80
Mexico	1.93	2.24	3.45	3.30	2.74	3.02	3.00	2.84
Total Pipeline Imports	4.82	4.01	5.21	4.10	3.97	3.69	3.85	3.80
LNG								
By Truck								
Canada	--	--	10.00	9.10	--	10.69	--	--
By Vessel								
Norway	--	--	4.47	4.62	--	4.30	--	--
Trinidad/Tobago	9.06	10.90	9.71	9.14	--	4.74	11.71	6.56
Yemen	9.41	10.88	5.88	--	--	--	5.75	--
Other	--	--	12.95	--	--	--	--	--
Total LNG Imports	9.13	10.90	8.85	7.45	--	4.63	8.73	6.56
CNG								
Canada	9.12	8.91	12.37	12.43	4.18	1.96	4.76	6.95
Total Imports	5.46	4.75	5.30	4.44	3.97	3.87	4.24	3.87
Net Imports - Volume	109,275	134,875	1,181,137	116,754	106,623	105,789	81,731	91,178

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2014						
	July	June	May	April	March	February	January
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	194,729	191,701	203,713	197,519	231,333	241,434	286,650
Mexico	121	127	128	114	125	137	137
Total Pipeline Imports	194,850	191,829	203,841	197,634	231,458	241,571	286,787
LNG							
By Truck							
Canada	0	0	0	0	0	41	0
By Vessel							
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	6,305	7,097	0	3,006	2,701	3,783	6,207
Yemen	0	0	2,806	0	0	0	2,329
Other	0	2,703	0	0	0	0	0
Total LNG Imports	6,305	9,800	2,806	3,006	2,701	3,824	8,536
CNG							
Canada	20	26	9	29	30	27	33
Total Imports	201,176	201,655	206,657	200,669	234,189	245,422	295,356
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	4.16	4.52	4.50	4.66	8.02	8.91	6.94
Mexico	3.41	3.61	3.77	3.58	3.79	4.55	3.41
Total Pipeline Imports	4.16	4.52	4.50	4.66	8.02	8.91	6.94
LNG							
By Truck							
Canada	--	--	--	--	--	9.55	--
By Vessel							
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	11.80	9.54	--	17.34	8.47	11.01	7.59
Yemen	--	--	5.99	--	--	--	5.90
Other	--	12.95	--	--	--	--	--
Total LNG Imports	11.80	10.48	5.99	17.34	8.47	10.99	7.13
CNG							
Canada	6.44	9.03	6.95	8.91	17.17	34.22	24.14
Total Imports	4.77	5.32	4.60	5.11	8.12	9.11	7.15
Net Imports - Volume	73,875	81,791	92,552	78,741	84,681	106,873	160,549

^a EIA has reduced the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on the same physical basis as other reported volumes of pipeline imports.

^b For the "Other" area the point of origin for volumes of imported LNG was unassigned in the reports to the Office of Fossil Energy.

^R Revised data.

-- Not applicable.

Note: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. Prices are in nominal dollars.

Source: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports."

Table 5. U.S. natural gas exports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet)

	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	625,686	580,783	633,600	69,786	61,499	55,012	49,750	50,715
Mexico	1,128,808	862,829	606,425	127,427	R121,461	130,253	R120,774	113,570
Total Pipeline Exports	1,754,494	1,443,613	1,240,025	197,213	R182,961	185,265	R170,524	164,285
LNG								
Exports								
By Vessel								
Argentina	16,661	0	0	0	0	2,190	0	8,161
Barbados	59	0	0	15	14	11	8	2
Brazil	9,196	0	0	0	0	3,933	0	0
Chile	26,465	0	0	0	0	9,518	6,074	4,643
China	3,132	0	0	0	0	0	3,132	0
Dominican Republic	2,945	0	0	0	0	2,945	0	0
India	13,801	0	0	0	3,639	3,701	0	3,617
Japan	0	8,262	13,310	0	0	0	0	0
Jordan	9,870	0	0	2,942	3,362	0	3,566	0
Kuwait	7,068	0	0	0	3,458	0	0	0
Mexico	7,001	0	0	0	3,315	3,686	0	0
Portugal	3,700	0	0	0	0	0	0	0
Spain	2,930	0	0	0	0	0	2,930	0
Taiwan	0	8,257	0	0	0	0	0	0
Turkey	2,941	0	0	0	2,941	0	0	0
United Arab Emirates	3,391	0	0	0	0	0	0	0
By Truck								
Canada	2	41	84	0	0	0	0	0
Mexico	285	147	141	42	35	30	28	22
Re-Exports								
By Vessel								
Argentina	612	0	0	0	0	612	0	0
Brazil	1,433	5,533	2,664	0	0	142	0	0
Egypt	0	0	0	0	0	0	0	0
India	547	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	112,039	22,239	16,199	2,999	16,764	26,768	15,739	16,445
CNG								
Canada	158	167	174	*	0	0	20	18
Total CNG Exports	158	167	174	*	0	0	20	18
Total Exports	1,866,692	1,466,019	1,256,398	200,213	R199,725	212,033	R186,283	180,747
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.42	3.30	6.46	2.81	2.83	2.65	2.73	2.23
Mexico	2.54	2.93	4.74	3.17	3.07	2.93	R2.80	2.46
Total Pipeline Exports	2.50	3.08	5.62	3.04	2.99	R2.84	2.78	2.39
LNG								
Exports								
By Vessel								
Argentina	4.47	--	--	--	--	4.51	--	4.71
Barbados	10.20	--	--	10.00	10.00	10.00	10.00	10.00
Brazil	4.39	--	--	--	--	5.29	--	--
Chile	5.26	--	--	--	--	5.53	5.82	4.69
China	5.66	--	--	--	--	--	5.66	--
Dominican Republic	5.41	--	--	--	--	5.41	--	--
India	4.73	--	--	--	5.00	5.01	--	4.77
Japan	--	7.50	15.74	--	--	--	--	--
Jordan	6.03	--	--	6.64	5.74	--	5.81	--
Kuwait	4.40	--	--	--	5.58	--	--	--
Mexico	4.85	--	--	--	5.53	4.23	--	--
Portugal	3.58	--	--	--	--	--	--	--
Spain	4.92	--	--	--	--	--	4.92	--
Taiwan	--	7.49	--	--	--	--	--	--
Turkey	6.53	--	--	--	6.52	--	--	--
United Arab Emirates	4.18	--	--	--	--	--	--	--
By Truck								
Canada	7.41	12.47	14.54	--	--	--	--	--
Mexico	9.77	10.33	12.54	10.06	9.78	9.72	9.76	9.43
Re-Exports								
By Vessel								
Argentina	4.51	--	--	--	--	4.51	--	--
Brazil	3.64	15.20	15.51	--	--	4.57	--	--
Egypt	--	--	--	--	--	--	--	--
India	3.99	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	4.93	9.44	15.67	6.70	5.65	5.13	5.63	4.72
CNG								
Canada	3.32	5.88	13.19	10.19	--	--	3.88	2.80
Total CNG Exports	3.32	5.88	13.19	10.19	--	--	3.88	2.80
Total Exports	2.64	3.18	5.75	3.09	3.21	3.13	3.02	2.60

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2016					2015		
	May	April	March	February	January	Total	December	November
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	62,768	62,931	81,403	62,192	69,629	700,647	58,603	61,260
Mexico	113,229	102,605	103,413	97,234	98,841	1,054,271	99,952	91,490
Total Pipeline Exports	175,997	165,537	184,816	159,426	168,470	1,754,918	158,555	152,750
LNG								
Exports								
By Vessel								
Argentina	0	6,310	0	0	0	0	0	0
Barbados	1	3	2	2	0	0	0	0
Brazil	0	0	3,270	1,993	0	0	0	0
Chile	6,230	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0	0
India	0	0	2,844	0	0	0	0	0
Japan	0	0	0	0	0	8,262	0	0
Jordan	0	0	0	0	0	0	0	0
Kuwait	3,610	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Portugal	0	3,700	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	8,257	0	0
Turkey	0	0	0	0	0	0	0	0
United Arab Emirates	0	0	3,391	0	0	0	0	0
By Truck								
Canada	0	0	0	0	2	41	0	1
Mexico	33	23	24	24	25	195	27	21
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	0	0	0	1,290	0	5,533	0	0
Egypt	0	0	0	0	0	2,947	0	2,947
India	0	0	547	0	0	0	0	0
Turkey	0	0	0	0	0	3,145	3,145	0
Total LNG Exports	9,874	10,036	10,078	3,309	26	28,381	3,172	2,969
CNG								
Canada	25	28	21	22	25	214	27	20
Total CNG Exports	25	28	21	22	25	214	27	20
Total Exports	185,897	175,601	194,915	162,757	168,521	1,783,512	161,754	155,739
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.98	2.07	1.99	2.34	2.66	3.15	2.30	2.50
Mexico	2.07	2.03	1.88	2.20	2.45	2.81	2.30	2.26
Total Pipeline Exports	2.04	2.05	1.93	2.26	2.54	2.95	2.30	2.36
LNG								
Exports								
By Vessel								
Argentina	--	4.16	--	--	--	--	--	--
Barbados	10.00	10.00	15.19	10.00	--	--	--	--
Brazil	--	--	3.83	3.54	--	--	--	--
Chile	4.72	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--	--
India	--	--	3.98	--	--	--	--	--
Japan	--	--	--	--	--	7.50	--	--
Jordan	--	--	--	--	--	--	--	--
Kuwait	3.27	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Portugal	--	3.58	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	7.49	--	--
Turkey	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	4.18	--	--	--	--	--
By Truck								
Canada	--	--	--	--	7.41	12.36	--	6.81
Mexico	9.67	8.99	8.96	10.16	10.96	10.44	10.90	10.59
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	--	3.54	--	15.20	--	--
Egypt	--	--	--	--	--	16.71	--	16.71
India	--	--	3.98	--	--	--	--	--
Turkey	--	--	--	--	--	15.99	15.99	--
Total LNG Exports	4.21	3.96	4.01	3.59	10.74	10.92	15.95	16.67
CNG								
Canada	3.22	2.58	3.05	2.42	5.09	5.73	5.46	4.80
Total CNG Exports	3.22	2.58	3.05	2.42	5.09	5.73	5.46	4.80
Total Exports	2.15	2.16	2.04	2.28	2.54	3.07	2.57	2.63

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

								2015
	October	September	August	July	June	May	April	March
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	57,430	59,695	40,986	39,995	44,658	44,672	53,086	89,639
Mexico	98,314	100,111	101,131	101,031	90,724	86,805	77,196	74,286
Total Pipeline Exports	155,744	159,806	142,117	141,027	135,382	131,477	130,283	163,925
LNG								
Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Japan	2,755	0	2,753	2,753	0	0	0	0
Jordan	0	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	0
Taiwan	0	2,755	0	0	2,754	2,748	0	0
Turkey	0	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0	0
By Truck								
Canada	0	2	0	5	6	6	6	6
Mexico	14	11	10	13	14	15	18	17
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	2,769	2,767	2,763	2,771	2,774	2,769	24	23
CNG								
Canada	4	0	5	23	23	28	21	20
Total CNG Exports	4	0	5	23	23	28	21	20
Total Exports	158,517	162,573	144,885	143,820	138,179	134,274	130,328	163,967
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.76	2.97	2.97	2.84	2.85	2.85	2.91	3.71
Mexico	2.61	2.77	3.00	3.01	2.94	2.86	2.77	3.03
Total Pipeline Exports	2.66	2.84	2.99	2.96	2.91	2.85	2.83	3.40
LNG								
Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Barbados	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
Chile	--	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Japan	6.51	--	7.90	8.08	--	--	--	--
Jordan	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--	--
Taiwan	--	7.16	--	--	7.80	7.50	--	--
Turkey	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--
By Truck								
Canada	--	10.18	--	13.39	12.01	12.14	11.88	12.77
Mexico	10.48	9.81	9.94	9.96	10.01	9.96	10.03	10.52
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	6.53	7.17	7.91	8.10	7.82	7.53	10.53	11.10
CNG								
Canada	3.42	--	2.08	2.91	2.44	2.37	3.35	10.08
Total CNG Exports	3.42	--	2.08	2.91	2.44	2.37	3.35	10.08
Total Exports	2.73	2.92	3.09	3.06	3.01	2.95	2.83	3.41

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2015						2014	
	February	January	Total	December	November	October	September	August
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	77,594	73,028	769,258	73,331	62,327	51,838	52,153	46,888
Mexico	64,596	68,635	728,513	63,601	58,487	60,318	64,834	65,624
Total Pipeline Exports	142,190	141,663	1,497,771	136,932	120,814	112,156	116,987	112,513
LNG								
Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Japan	0	0	13,310	0	0	2,884	2,886	2,846
Jordan	0	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0	0
By Truck								
Canada	4	6	99	8	7	7	6	7
Mexico	16	21	181	20	20	13	12	10
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	2,728	2,805	2,664	0	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	2,748	2,832	16,255	28	27	2,904	2,904	2,863
CNG								
Canada	17	27	217	22	20	9	0	0
Total CNG Exports	17	27	217	22	20	9	0	0
Total Exports	144,955	144,522	1,514,242	136,982	120,861	115,069	119,891	115,376
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	4.39	3.63	6.10	4.28	4.64	3.96	3.98	3.94
Mexico	3.10	3.38	4.65	4.19	4.23	4.20	4.25	4.19
Total Pipeline Exports	3.81	3.51	5.40	4.24	4.44	4.09	4.13	4.09
LNG								
Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Barbados	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
Chile	--	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Japan	--	--	15.74	--	--	15.12	15.76	16.03
Jordan	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--
By Truck								
Canada	12.77	13.27	14.48	14.55	13.70	13.83	14.48	13.76
Mexico	10.62	11.27	12.50	13.08	11.65	11.44	11.47	11.24
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	12.89	17.44	15.51	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	12.87	17.39	15.66	13.50	12.17	15.10	15.74	16.01
CNG								
Canada	10.53	11.89	12.40	14.30	3.47	3.47	--	--
Total CNG Exports	10.53	11.89	12.40	14.30	3.47	3.47	4.41	4.38
Total Exports	3.98	3.78	5.51	4.25	4.44	4.37	4.41	4.38

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2014-2016

(volumes in million cubic feet; prices in dollars per thousand cubic feet) – continued

	2014						
	July	June	May	April	March	February	January
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	55,096	54,581	49,976	65,157	91,436	84,535	81,939
Mexico	69,366	65,247	62,199	56,719	58,019	51,291	52,807
Total Pipeline Exports	124,462	119,828	112,175	121,877	149,455	135,827	134,746
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Japan	2,809	0	1,886	0	0	0	0
Jordan	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0
By Truck							
Canada	7	7	9	9	11	12	8
Mexico	11	10	12	16	17	18	21
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	2,664	0
Egypt	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	2,827	17	1,907	25	28	2,694	29
CNG							
Canada	12	19	22	26	25	29	32
Mexico	12	19	22	26	25	29	32
Total CNG Exports	24	38	44	52	50	58	64
Total Exports	127,301	119,864	114,105	121,928	149,508	138,550	134,807
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	4.37	4.81	4.78	5.04	10.13	11.42	6.49
Mexico	4.57	4.81	4.86	4.81	5.16	6.16	4.76
Total Pipeline Exports	4.48	4.81	4.82	4.93	8.20	9.44	5.81
LNG							
Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Barbados	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Chile	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Japan	16.03	--	15.81	--	--	--	--
Jordan	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
By Truck							
Canada	14.28	13.44	14.58	14.45	15.24	15.24	15.01
Mexico	11.85	12.00	12.59	12.51	13.69	13.67	13.17
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	15.51	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	16.01	12.58	15.78	13.23	14.31	15.49	13.70
CNG							
Canada	4.27	5.19	4.79	6.37	14.75	27.07	21.76
Mexico	4.27	5.19	4.79	6.37	14.75	27.07	21.76
Total CNG Exports	8.54	10.38	9.58	12.74	29.50	54.14	43.52
Total Exports	4.74	4.81	5.01	4.93	8.20	9.56	5.82

R Revised data.

-- Not applicable.

* Volume is less than 500,000 cubic feet

Notes: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. LNG re-exports are shipments of LNG to foreign countries that were previously imported, offloaded into above-ground LNG storage tanks, and then subsequently reloaded onto tankers for delivery to other countries. Prices are in nominal dollars.

Source: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports."

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2011-2016
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
2011 Total	3,162,922	1,076,757	279,130	1,649,306	309,952	3,040,523	79,506	1,287,682	157,025	78,858
2012 Total	3,164,791	1,146,168	246,822	1,709,376	296,299	2,955,437	66,954	1,276,296	258,568	84,482
2013 Total	3,215,358	1,139,654	252,310	1,604,860	292,467	2,366,943	63,242	1,247,394	345,787	166,017
2014										
January	306,344	94,869	21,579	135,607	23,815	174,225	5,075	104,379	31,460	28,245
February	270,272	86,784	19,426	122,421	20,985	157,443	4,542	95,316	29,785	25,512
March	298,987	96,520	20,663	138,073	23,774	173,509	5,045	107,588	33,785	28,245
April	277,210	93,375	20,004	135,652	23,366	165,060	4,922	104,517	34,177	34,153
May	262,449	96,739	20,559	140,897	24,361	172,182	5,100	105,505	37,055	35,291
June	252,462	92,022	19,139	134,887	23,521	166,782	4,972	104,200	37,621	34,153
July	195,169	95,474	19,704	137,404	24,540	165,132	5,051	108,509	40,126	49,449
August	190,335	94,382	19,778	142,911	24,747	161,519	5,010	109,888	41,826	49,449
September	259,855	92,090	18,945	135,489	24,182	160,478	4,772	104,213	42,687	47,854
October	271,472	94,412	19,834	142,845	25,030	162,334	4,917	107,653	44,551	60,659
November	282,350	92,488	19,365	136,375	23,923	158,040	4,641	105,856	43,146	58,702
December	301,640	93,578	19,993	140,925	24,236	151,915	5,112	108,754	46,996	60,659
Total	3,168,545	1,122,733	238,988	1,643,487	286,480	1,968,618	59,160	1,266,379	463,216	512,371
2015										
January	291,928	90,124	19,579	143,307	27,171	151,130	5,016	103,388	45,747	64,049
February	254,488	78,243	17,865	131,720	24,406	140,835	4,575	97,970	41,409	60,157
March	299,987	88,842	19,670	145,431	26,626	153,695	4,876	110,022	47,317	69,570
April	284,701	87,259	20,597	140,951	23,209	151,485	4,909	107,842	46,081	70,792
May	261,374	89,383	21,197	144,431	23,790	156,771	4,994	111,792	50,543	77,865
June	223,007	84,146	19,568	140,779	22,937	145,362	4,784	107,456	49,641	84,693
July	221,334	85,283	19,225	142,461	23,438	150,784	4,941	109,397	51,446	88,406
August	204,070	83,697	19,466	146,089	23,484	149,518	4,756	112,943	50,999	87,904
September	261,160	81,249	18,394	138,917	22,506	145,577	4,573	110,650	48,085	89,371
October	279,437	82,955	18,456	146,669	23,053	149,599	4,827	113,014	51,373	104,127
November	289,760	78,958	17,929	140,798	21,720	145,573	4,562	108,823	50,294	104,731
December	304,055	80,135	19,114	143,282	22,896	144,468	4,608	103,162	51,807	113,185
Total	3,175,301	1,010,274	231,060	1,704,836	285,236	1,784,797	57,421	1,296,458	584,743	1,014,848
2016										
January	298,809	€77,842	€18,737	€143,629	€22,543	€158,907	€4,521	€100,031	€50,146	€112,423
February	273,296	€71,967	€17,100	€134,325	€20,866	€153,090	€4,233	€99,889	€47,912	€116,401
March	295,244	€74,543	€18,166	€143,636	€22,110	€152,390	€4,426	€109,105	€51,852	€120,760
April	246,120	€70,831	€17,618	€139,949	€21,173	€154,885	€4,275	€106,844	€47,507	€118,944
May	269,204	€71,791	€18,074	€144,657	€21,621	€160,319	€4,461	€109,650	€51,206	€121,778
June	233,820	€67,340	€17,229	€136,813	€20,531	€150,242	€4,285	€105,916	€50,039	€115,207
July	239,444	€68,255	€17,568	€142,734	€21,010	€162,636	€4,312	€110,960	€52,714	€117,841
August	250,325	RE67,204	RE17,814	RE146,011	RE20,642	€159,759	RE4,158	RE111,397	RE51,172	RE132,639
September	249,270	RE64,199	RE17,170	RE140,142	RE19,862	RE152,808	RE4,105	RE107,737	RE48,338	RE131,408
October	271,932	€65,861	€17,589	€145,651	€20,220	€155,066	€4,213	€109,873	€53,237	€126,898
2016 10-Month	2,627,464	€699,833	€177,067	€1,417,547	€210,578	€1,560,102	€42,991	€1,071,403	€504,124	€1,214,297
2015 10-Month	2,581,486	851,181	194,017	1,420,757	240,620	1,494,755	48,251	1,084,474	482,642	796,933
2014 10-Month	2,584,555	936,667	199,630	1,366,187	238,321	1,658,663	49,406	1,051,768	373,073	393,011

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2011-2016

(million cubic feet) – continued

Year and Month	West						Other States	Federal Gulf of Mexico	U.S. Total
	Oklahoma	Pennsylvania	Texas	Utah	Virginia	Wyoming			
2011 Total	1,888,870	1,310,592	7,934,689	461,507	394,125	2,375,301	1,161,365	1,830,913	28,479,026
2012 Total	2,023,461	2,256,696	8,143,510	490,393	539,860	2,225,622	1,129,702	1,527,875	29,542,313
2013 Total	1,993,754	3,259,042	8,299,472	470,863	741,853	2,047,757	689,082	1,326,697	29,522,551
2014									
January	169,541	348,235	696,202	38,856	73,914	171,228	54,135	102,309	2,580,019
February	172,102	314,535	630,948	35,555	71,648	154,960	49,149	95,596	2,356,978
March	181,183	348,235	714,833	39,594	82,080	172,228	54,132	105,440	2,623,914
April	210,833	337,002	706,789	38,591	79,244	162,724	49,892	106,362	2,583,873
May	189,050	348,235	737,479	39,495	84,312	168,442	54,626	111,475	2,633,253
June	189,852	337,002	718,128	38,276	83,597	164,161	51,851	107,406	2,560,033
July	205,705	374,771	744,321	39,069	92,609	168,593	53,579	109,951	2,629,156
August	216,406	374,771	750,316	38,583	95,588	164,792	53,823	110,811	2,644,937
September	195,150	362,682	719,501	36,758	96,856	165,309	52,162	106,522	2,625,503
October	202,957	374,771	749,286	37,217	101,552	171,773	53,731	110,725	2,735,719
November	196,620	362,682	726,287	35,868	98,013	164,726	51,055	101,778	2,661,917
December	201,686	374,771	765,097	36,681	107,701	169,569	53,403	107,362	2,770,080
Total	2,331,086	4,257,693	8,659,188	454,545	1,067,114	1,998,505	631,536	1,275,738	31,405,381
2015									
January	206,817	408,019	740,385	37,590	110,332	166,745	52,270	107,666	2,771,263
February	186,741	370,836	679,948	34,974	98,200	150,995	47,048	95,362	2,515,773
March	216,067	413,155	756,890	39,723	113,381	170,414	51,081	96,912	2,823,658
April	209,983	392,752	736,605	38,096	110,279	167,169	49,261	108,323	2,750,295
May	214,639	391,332	754,023	38,525	120,138	167,208	50,778	112,453	2,791,236
June	211,079	376,856	727,689	36,673	113,604	164,051	50,068	106,469	2,668,863
July	217,883	401,777	753,526	36,655	115,055	167,282	51,037	118,119	2,758,050
August	213,529	409,771	748,215	33,179	114,871	167,987	50,905	120,585	2,741,970
September	204,298	398,110	731,049	31,097	111,932	163,129	49,140	117,454	2,726,691
October	209,342	407,234	739,603	31,636	108,711	168,572	50,648	112,099	2,801,357
November	201,517	409,344	713,058	30,898	96,829	163,860	48,532	104,003	2,731,190
December	207,703	433,795	720,290	34,255	105,489	166,317	49,888	109,935	2,814,383
Total	2,499,599	4,812,983	8,801,282	423,300	1,318,822	1,983,731	600,656	1,309,380	32,894,727
2016									
January	€214,000	€447,447	€707,527	€34,199	€114,272	€155,930	€49,350	€108,752	€2,819,066
February	€201,258	€430,800	€664,972	€31,283	€108,093	€145,478	€46,199	€101,117	€2,668,278
March	€214,561	€452,601	€702,555	€33,192	€112,282	€156,116	€48,544	€111,315	€2,823,398
April	€203,524	€429,503	€680,919	€31,720	€110,827	€148,710	€46,788	€101,883	€2,682,021
May	€211,836	€441,974	€698,238	€31,762	€114,948	€148,721	€48,257	€110,027	€2,778,526
June	€202,081	€434,819	€675,064	€29,847	€104,295	€145,310	€45,823	€96,330	€2,634,991
July	€210,617	€443,676	€684,636	€30,500	€119,222	€136,600	€47,182	€99,929	€2,709,835
August	RE211,218	RE443,604	RE684,429	RE30,359	€119,208	RE139,752	RE46,706	RE105,654	RE2,742,050
September	RE202,975	RE419,040	RE652,673	RE29,000	€114,775	RE145,721	RE45,306	RE96,316	RE2,640,845
October	€208,755	€421,792	€667,583	€29,269	€118,034	€152,633	€46,586	€101,431	€2,716,622
2016 10-Month YTD	€2,080,826	€4,365,256	€6,818,595	€311,132	€1,135,955	€1,474,971	€470,740	€1,032,754	€27,215,631
2015 10-Month YTD	2,090,378	3,969,843	7,367,933	358,147	1,116,504	1,653,553	502,236	1,095,442	27,349,154
2014 10-Month YTD	1,932,780	3,520,240	7,167,803	381,995	861,399	1,664,210	527,079	1,066,597	25,973,384

E Estimated data.

RE Revised estimated data.

Notes: For 2014, monthly volumes are available only for those states/areas that were collected individually on the EIA-914 Survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, 10 states (Arkansas, California, Colorado, Kansas, Montana, North Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. Monthly preliminary state-level data for all states not collected individually on the EIA-914 survey are available after the final annual reports for these series are collected and processed. Final annual data are generally available in the third quarter of the following year. The sum of individual states may not equal total U.S. volumes due to independent rounding.

Sources: 2011-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and its predecessor, "Monthly Natural Gas Production Report"; BSEE reports; PointLogic Energy; Ventyx; BENTEK Energy; industry reports; and EIA computations.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2011-2016
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
2011 Total	356,225	1,072,212	250,177	1,637,576	309,124	3,029,206	74,624	1,237,303	97,102	78,858
2012 Total	351,259	1,146,168	246,822	1,709,376	296,299	2,955,437	66,954	1,215,773	172,242	84,482
2013 Total	338,182	1,139,654	252,310	1,604,860	292,467	2,360,202	63,242	1,171,640	235,711	166,017
2014										
January	31,073	94,869	21,579	135,607	23,815	173,586	5,075	101,737	19,587	28,245
February	28,088	86,784	19,426	122,421	20,985	156,902	4,542	92,630	18,674	25,512
March	30,018	96,520	20,663	138,073	23,774	172,835	5,045	104,549	21,953	28,245
April	28,991	93,375	20,004	135,652	23,366	164,425	4,922	101,653	23,452	34,153
May	28,783	96,739	20,559	140,897	24,361	171,546	5,100	102,326	26,176	35,291
June	27,050	92,022	19,139	134,887	23,521	166,182	4,972	101,415	26,271	34,153
July	25,966	95,474	19,704	137,404	24,540	164,506	5,051	105,995	28,994	49,449
August	25,904	94,382	19,778	142,911	24,747	160,749	5,010	106,990	29,812	49,449
September	28,502	92,090	18,945	135,489	24,182	159,760	4,772	101,445	31,290	47,854
October	29,889	94,412	19,834	142,845	25,030	161,651	4,917	103,819	33,871	60,659
November	29,439	92,488	19,365	136,375	23,923	157,404	4,641	102,260	31,588	58,702
December	31,606	93,578	19,993	140,925	24,236	151,267	5,112	104,699	34,825	60,659
Total	345,310	1,122,733	238,988	1,643,487	286,480	1,960,813	59,160	1,229,519	326,491	512,371
2015										
January	31,439	90,124	19,579	143,307	27,171	150,559	5,016	99,904	34,890	64,049
February	27,510	78,243	17,865	131,720	24,406	140,258	4,575	94,642	32,891	60,157
March	30,523	88,842	19,670	145,431	26,626	152,988	4,876	105,697	37,313	69,570
April	29,759	87,259	20,597	140,951	23,209	150,812	4,909	103,230	37,433	70,792
May	29,124	89,383	21,197	144,431	23,790	156,076	4,994	106,836	40,751	77,865
June	26,000	84,146	19,568	140,779	22,937	144,605	4,784	102,625	40,074	84,693
July	26,682	85,283	19,225	142,461	23,438	150,102	4,941	104,033	40,622	88,406
August	25,176	83,697	19,466	146,089	23,484	148,908	4,756	107,577	39,931	87,904
September	27,601	81,249	18,394	138,917	22,506	144,978	4,573	106,601	38,665	89,371
October	29,190	82,955	18,456	146,669	23,053	148,924	4,827	109,119	43,503	104,127
November	29,589	78,958	17,929	140,798	21,720	144,929	4,562	104,888	41,842	104,731
December	30,941	80,135	19,114	143,282	22,896	143,661	4,608	99,659	43,589	113,185
Total	343,534	1,010,274	231,060	1,704,836	285,236	1,776,800	57,421	1,244,811	471,504	1,014,848
2016										
January	30,686	€77,842	€18,737	€143,629	€22,543	€158,192	€4,521	€95,640	€41,822	€112,423
February	28,434	€71,967	€17,100	€134,325	€20,866	€152,401	€4,233	€95,504	€39,959	€116,401
March	29,893	€74,543	€18,166	€143,636	€22,110	€151,705	€4,426	€104,315	€43,245	€120,760
April	26,259	€70,831	€17,618	€139,949	€21,173	€154,188	€4,275	€102,153	€39,621	€118,944
May	27,071	€71,791	€18,074	€144,657	€21,621	€159,598	€4,461	€104,836	€42,706	€121,778
June	24,882	€67,340	€17,229	€136,813	€20,531	€149,566	€4,285	€101,266	€41,733	€115,207
July	25,025	€68,255	€17,568	€142,734	€21,010	€161,904	€4,312	€106,089	€43,963	€117,841
August	24,918	RE67,204	RE17,814	RE146,011	RE20,642	€159,040	RE4,158	RE106,507	RE42,677	RE132,639
September	30,524	RE64,199	RE17,170	RE140,142	RE19,862	RE152,121	RE4,105	RE103,008	RE40,314	RE131,408
October	28,546	€65,861	€17,589	€145,651	€20,220	€154,368	€4,213	€105,050	€44,400	€126,898
2016 10-Month	276,239	€699,833	€177,067	€1,417,547	€210,578	€1,553,081	€42,991	€1,024,368	€420,439	€1,214,297
2015 10-Month	283,004	851,181	194,017	1,420,757	240,620	1,488,210	48,251	1,040,263	386,073	796,933
2014 10-Month	284,265	936,667	199,630	1,366,187	238,321	1,652,143	49,406	1,022,560	260,079	393,011

See footnotes at end of table.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2011-2016

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
2011 Total	1,888,870	1,310,592	7,112,863	457,525	394,125	2,159,422	758,219	1,812,328	24,036,352
2012 Total	2,023,461	2,256,696	7,475,495	490,393	539,860	2,022,275	722,721	1,507,564	25,283,278
2013 Total	1,993,754	3,259,042	7,633,618	470,863	741,853	1,858,207	671,364	1,309,246	25,562,232
2014									
January	169,541	348,235	623,900	38,856	73,914	154,945	53,900	100,331	2,198,795
February	172,102	314,535	581,756	35,555	71,648	138,877	48,930	93,672	2,033,039
March	181,183	348,235	662,508	39,594	82,080	154,622	53,885	103,355	2,267,138
April	210,833	337,002	651,635	38,591	79,244	146,195	49,652	104,532	2,247,677
May	189,050	348,235	682,154	39,495	84,312	151,126	54,403	109,505	2,310,058
June	189,852	337,002	664,213	38,276	83,597	147,153	51,663	105,713	2,247,082
July	205,705	374,771	689,726	39,069	92,609	150,811	53,353	108,233	2,371,359
August	216,406	374,771	688,575	38,583	95,588	148,025	53,588	109,003	2,384,273
September	195,150	362,682	666,809	36,758	96,856	147,201	51,933	104,827	2,306,544
October	202,957	374,771	696,484	37,217	101,552	154,630	53,519	109,013	2,407,070
November	196,620	362,682	667,510	35,868	98,013	146,704	50,851	100,081	2,314,517
December	201,686	374,771	709,749	36,681	107,701	154,124	53,178	105,411	2,410,202
Total	2,331,086	4,257,693	7,985,019	454,545	1,067,114	1,794,413	628,854	1,253,678	27,497,754
2015									
January	206,817	408,019	653,831	37,590	110,332	151,386	51,853	105,441	2,391,305
February	186,741	370,836	613,311	34,974	98,200	136,015	46,684	93,580	2,192,608
March	216,067	413,155	676,440	39,723	113,381	152,906	50,775	95,228	2,439,210
April	209,983	392,752	664,552	38,096	110,279	151,289	48,883	106,587	2,391,372
May	214,639	391,332	673,495	38,525	120,138	150,822	50,389	110,517	2,444,303
June	211,079	376,856	657,094	36,673	113,604	148,664	49,620	104,646	2,368,447
July	217,883	401,777	673,240	36,655	115,055	151,190	50,555	116,251	2,447,799
August	213,529	409,771	666,179	33,179	114,871	152,340	50,406	118,791	2,446,056
September	204,298	398,110	659,888	31,097	111,932	147,335	48,631	115,877	2,390,024
October	209,342	407,234	660,433	31,636	108,711	152,643	50,133	110,458	2,441,416
November	201,517	409,344	634,462	30,898	96,829	148,584	48,052	102,500	2,362,132
December	207,703	433,795	647,606	34,255	105,489	150,540	49,384	108,420	2,438,262
Total	2,499,599	4,812,983	7,880,530	423,300	1,318,822	1,793,716	595,365	1,288,296	28,752,935
2016									
January	€214,000	€447,447	€610,242	€34,199	€114,272	€141,444	€48,916	€107,175	€2,423,731
February	€201,258	€430,800	€573,538	€31,283	€108,093	€131,963	€45,792	€99,650	€2,303,567
March	€214,561	€452,601	€605,954	€33,192	€112,282	€141,613	€48,116	€109,700	€2,430,818
April	€203,524	€429,503	€587,292	€31,720	€110,827	€134,894	€46,377	€100,406	€2,339,556
May	€211,836	€441,974	€602,230	€31,762	€114,948	€134,905	€47,832	€108,432	€2,410,513
June	€202,081	€434,819	€582,243	€29,847	€104,295	€131,810	€45,419	€94,933	€2,304,300
July	€210,617	€443,676	€590,498	€30,500	€119,222	€123,910	€46,767	€98,480	€2,372,371
August	RE211,218	RE443,604	RE590,320	RE30,359	€119,208	RE126,769	RE46,295	RE104,122	RE2,393,504
September	RE202,975	RE419,040	RE562,931	RE29,000	€114,775	RE132,183	RE44,908	RE94,919	RE2,303,582
October	€208,755	€421,792	€575,790	€29,269	€118,034	€138,453	€46,176	€99,960	€2,351,025
2016 10-Month YTD	€2,080,826	€4,365,256	€5,881,038	€311,132	€1,135,955	€1,337,946	€466,598	€1,017,779	€23,632,968
2015 10-Month YTD	2,090,378	3,969,843	6,598,462	358,147	1,116,504	1,494,592	497,930	1,077,376	23,952,541
2014 10-Month YTD	1,932,780	3,520,240	6,607,760	381,995	861,399	1,493,584	524,825	1,048,185	22,773,035

E Estimated data.

RE Revised estimated data.

Notes: For 2014 forward, marketed production is estimated from gross withdrawals using historical relationships between the two. For 2014, monthly volumes are available only for those states/areas that were collected individually on the EIA-914 Survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, ten states (Arkansas, California, Colorado, Kansas, Montana, North Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. Monthly preliminary state-level data for all states not collected individually on the EIA-914 Survey are available after the final annual reports for these series are collected and processed. Final annual data are generally available in the third quarter of the following year. The sum of individual states may not equal total U.S. volumes due to independent rounding.

Sources: 2011-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and its predecessor, "Monthly Natural Gas Production Report"; BSEE reports; PointLogic Energy; Ventyx; BENTEK Energy; industry reports; and EIA computations.

Table 8. Underground natural gas storage – all operators, 2011-2016
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^a	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^b
2011 Total^c	--	--	--	--	--	3,422	3,074	-348
2012 Total^c	--	--	--	--	--	2,825	2,818	-7
2013 Total^c	--	--	--	--	--	3,156	3,702	546
2014								
January	4,363	1,925	6,288	-774	-28.7	68	1,039	971
February	4,360	1,200	5,560	-899	-42.8	104	833	728
March	4,350	857	5,207	-863	-50.2	134	488	353
April	4,357	1,066	5,423	-789	-42.5	323	105	-217
May	4,353	1,548	5,901	-722	-31.8	529	51	-478
June	4,358	2,005	6,364	-637	-24.1	506	44	-463
July	4,361	2,400	6,761	-537	-18.3	463	63	-400
August	4,366	2,768	7,135	-444	-13.8	447	73	-374
September	4,369	3,187	7,556	-377	-10.6	469	47	-422
October	4,367	3,587	7,955	-230	-6.0	452	52	-400
November	4,367	3,427	7,794	-178	-5.0	200	361	161
December	4,365	3,141	7,506	251	8.7	143	429	286
Total	--	--	--	--	--	3,839	3,586	-253
2015								
January	4,361	2,415	6,776	490	25.5	70	795	725
February	4,360	1,674	6,034	474	39.5	62	803	742
March	4,361	1,480	5,841	623	72.6	182	376	193
April	4,360	1,802	6,162	736	69.0	405	84	-321
May	4,363	2,296	6,659	748	48.3	542	44	-497
June	4,367	2,656	7,023	650	32.4	430	68	-362
July	4,372	2,933	7,305	533	22.2	379	96	-283
August	4,364	3,250	7,614	482	17.4	394	85	-309
September	4,365	3,622	7,987	435	13.7	435	63	-372
October	4,365	3,951	8,316	363	10.1	401	70	-331
November	4,368	3,935	8,303	508	14.8	201	214	12
December	4,363	3,675	8,038	534	17.0	138	403	264
Total	--	--	--	--	--	3,639	3,101	-538
2016								
January	4,361	2,949	7,311	534	22.1	66	795	728
February	4,361	2,546	6,907	872	52.1	111	515	403
March	4,352	2,496	6,848	1,016	68.6	215	274	59
April	4,356	2,654	7,010	852	47.3	294	130	-164
May	4,358	2,975	7,333	679	29.6	402	75	-327
June	4,360	3,197	7,557	541	20.4	318	94	-224
July	4,360	3,329	7,689	396	13.5	284	150	-133
August	4,361	3,453	7,814	203	6.2	286	162	-124
September	4,360	3,717	8,077	94	2.6	351	88	-263
October	4,363	4,025	8,388	74	1.9	387	78	-309

^a Total underground storage capacity at the end of each calendar year (in billion cubic feet): 2011 – 8,849; 2012 – 8,991; 2013 – 9,173; 2014 – 9,233; and 2015- 9,231. Total storage capacity of existing fields includes both active and inactive fields.

^b Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

^c Total as of December 31.

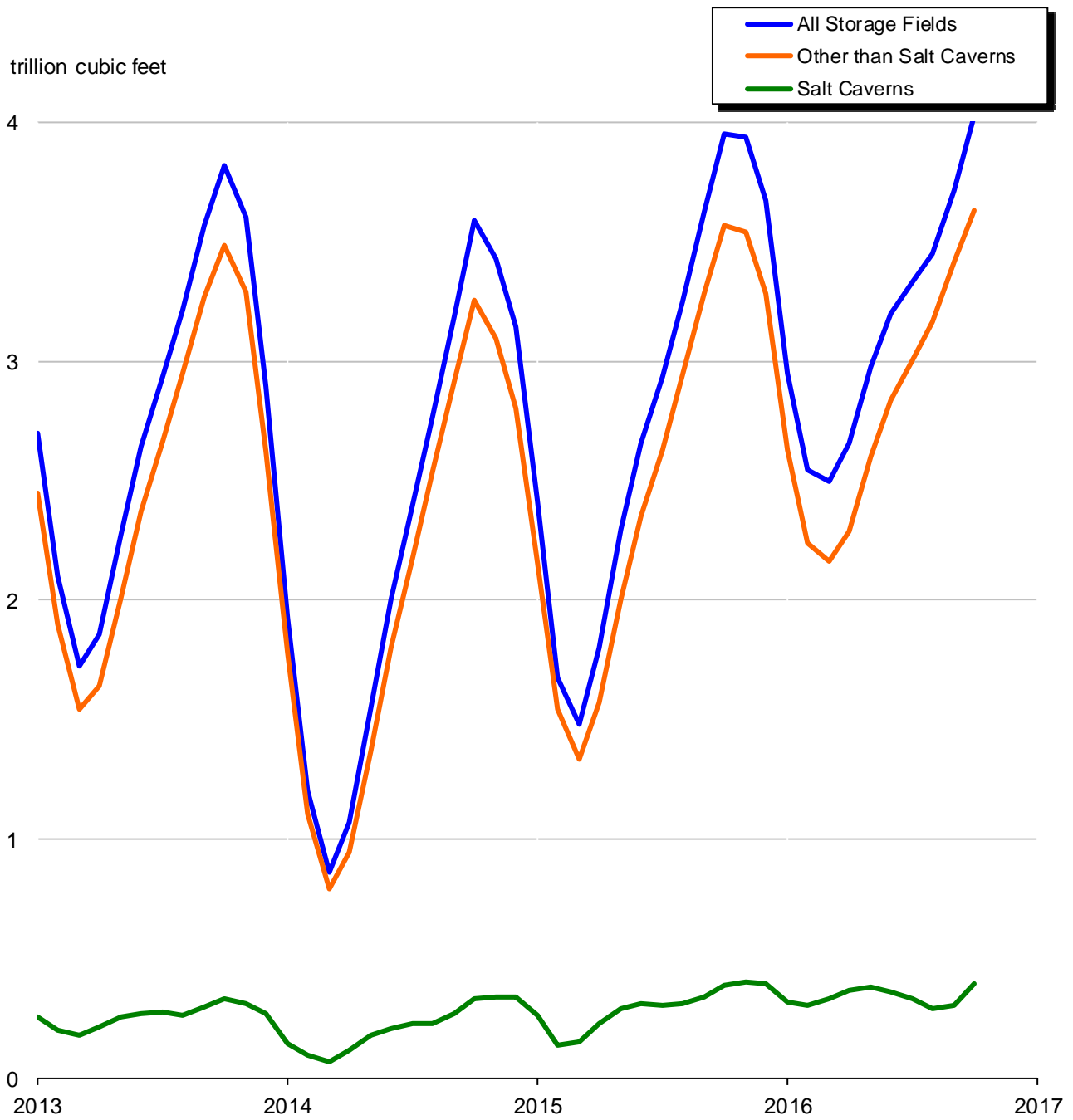
-- Not applicable.

Notes: Data for 2011 through 2014 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013. Change in Working Gas from Same Period, Previous Year, includes data for Alaska, which had no working gas recorded for periods prior to January 2013.

Source: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Figure 5

Figure 5. Working gas in underground natural gas storage in the United States, 2013-2016



Note: Geographic coverage is the 50 states and the District of Columbia. Alaska was added to U.S. total as of January 2013.
Source: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 9. Underground natural gas storage – by season, 2014-2016

(volumes in billion cubic feet)

Year, Season, and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2014 Refill Season								
April	4,357	1,066	5,423	-789	-42.5	323	105	-217
May	4,353	1,548	5,901	-722	-31.8	529	51	-478
June	4,358	2,005	6,364	-637	-24.1	506	44	-463
July	4,361	2,400	6,761	-537	-18.3	463	63	-400
August	4,366	2,768	7,135	-444	-13.8	447	73	-374
September	4,369	3,187	7,556	-377	-10.6	469	47	-422
October	4,367	3,587	7,955	-230	-6.0	452	52	-400
Total	--	--	--	--	--	3,189	436	-2,753
2015 Heating Season								
November	4,367	3,427	7,794	-178	-5.0	200	361	161
December	4,365	3,141	7,506	251	8.7	143	429	286
January	4,361	2,415	6,776	490	25.5	70	795	725
February	4,360	1,674	6,034	474	39.5	62	803	742
March	4,361	1,480	5,841	623	72.6	182	376	193
Total	--	--	--	--	--	657	2,765	2,108
2015 Refill Season								
April	4,360	1,802	6,162	736	69.0	405	84	-321
May	4,363	2,296	6,659	748	48.3	542	44	-497
June	4,367	2,656	7,023	650	32.4	430	68	-362
July	4,372	2,933	7,305	533	22.2	379	96	-283
August	4,364	3,250	7,614	482	17.4	394	85	-309
September	4,365	3,622	7,987	435	13.7	435	63	-372
October	4,365	3,951	8,316	363	10.1	401	70	-331
Total	--	--	--	--	--	2,986	511	-2,475
2016 Heating Season								
November	4,368	3,935	8,303	508	14.8	201	214	12
December	4,363	3,675	8,038	534	17.0	138	403	264
January	4,361	2,949	7,311	534	22.1	66	795	728
February	4,361	2,546	6,907	872	52.1	111	515	403
March	4,352	2,496	6,848	1,016	68.6	215	274	59
Total	--	--	--	--	--	732	2,199	1,467
2016 Refill Season								
April	4,356	2,654	7,010	852	47.3	294	130	-164
May	4,358	2,975	7,333	679	29.6	402	75	-327
June	4,360	3,197	7,557	541	20.4	318	94	-224
July	4,360	3,329	7,689	396	13.5	284	150	-133
August	4,361	3,453	7,814	203	6.2	286	162	-124
September	4,360	3,717	8,077	94	2.6	351	88	-263
October	4,363	4,025	8,388	74	1.9	387	78	-309
Total	--	--	--	--	--	2,322	778	-1,544

^a Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

-- Not applicable.

Notes: Data for 2014 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013.

Sources: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 10. Underground natural gas storage – salt cavern storage fields, 2011-2016
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2011 Total^b	--	--	--	--	--	533	440	-92
2012 Total^b	--	--	--	--	--	465	445	-20
2013 Total^b	--	--	--	--	--	492	521	29
2014								
January	170	143	312	-109	-43.3	32	159	128
February	169	95	263	-105	-52.6	56	105	49
March	168	68	236	-107	-61.2	41	68	27
April	168	119	288	-94	-44.1	67	15	-51
May	168	179	347	-79	-30.5	75	15	-60
June	172	209	381	-60	-22.5	52	18	-34
July	173	226	399	-47	-17.2	43	24	-20
August	178	229	407	-35	-13.2	37	30	-7
September	180	271	450	-25	-8.6	61	17	-44
October	180	331	511	**	0.1	77	17	-61
November	180	335	515	23	7.3	50	46	-4
December	179	341	520	73	27.3	42	37	-5
Total	--	--	--	--	--	634	552	-82
2015								
January	179	260	439	117	82.2	24	105	81
February	179	135	314	40	42.6	15	140	125
March	178	147	325	79	115.5	58	46	-12
April	178	230	407	110	92.3	95	13	-82
May	180	292	472	113	63.3	82	17	-65
June	182	307	488	98	46.9	44	29	-15
July	182	305	487	79	35.0	37	38	1
August	182	309	491	80	35.0	36	32	-4
September	182	341	523	70	25.9	55	24	-31
October	182	384	566	53	16.1	67	24	-43
November	182	398	579	62	18.6	50	37	-13
December	182	395	577	55	16.0	44	46	2
Total	--	--	--	--	--	607	551	-56
2016								
January	181	320	501	60	23.2	29	105	76
February	181	303	485	168	124.4	42	58	16
March	182	331	513	184	125.2	67	39	-28
April	183	367	550	138	60.0	66	27	-38
May	183	377	560	84	28.9	46	36	-10
June	183	357	541	51	16.5	26	45	19
July	183	328	511	22	7.4	32	62	29
August	184	290	474	-19	-6.1	33	69	37
September	185	304	489	-37	-10.9	52	37	-14
October	185	392	577	8	2.0	115	26	-89
2016 10-Month YTD	--	--	--	--	--	507	505	-2
2015 10-Month YTD	--	--	--	--	--	513	468	-45
2014 10-Month YTD	--	--	--	--	--	542	469	-72

^a Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

^b Total as of December 31.

-- Not applicable.

** Volume is between -500 Mcf and 500 Mcf.

Notes: Data for 2011 through 2014 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013.

Sources: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 11. Underground natural gas storage – storage fields other than salt caverns, 2011-2016
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2011 Total^b	--	--	--	--	--	2,889	2,634	-255
2012 Total^b	--	--	--	--	--	2,360	2,373	12
2013 Total^b	--	--	--	--	--	2,664	3,181	517
2014								
January	4,194	1,782	5,976	-665	-27.2	37	879	843
February	4,192	1,105	5,297	-794	-41.8	48	727	679
March	4,182	789	4,971	-755	-48.9	93	419	326
April	4,188	947	5,135	-695	-42.3	256	90	-166
May	4,184	1,369	5,553	-643	-32.0	454	36	-418
June	4,186	1,797	5,982	-577	-24.3	454	25	-429
July	4,188	2,174	6,362	-490	-18.4	420	40	-380
August	4,189	2,539	6,728	-409	-13.9	410	44	-366
September	4,190	2,916	7,106	-352	-10.8	408	30	-378
October	4,188	3,256	7,444	-230	-6.6	375	35	-340
November	4,188	3,092	7,279	-201	-6.1	150	316	166
December	4,185	2,800	6,986	178	6.8	101	392	291
Total	--	--	--	--	--	3,205	3,034	-171
2015								
January	4,182	2,155	6,337	373	20.9	46	690	644
February	4,181	1,539	5,720	434	39.2	46	663	616
March	4,182	1,333	5,515	544	68.9	124	330	205
April	4,182	1,572	5,755	625	66.0	310	71	-239
May	4,183	2,004	6,187	635	46.4	460	28	-433
June	4,185	2,349	6,534	552	30.7	386	39	-346
July	4,190	2,627	6,818	454	20.9	342	58	-284
August	4,182	2,941	7,123	401	15.8	358	53	-305
September	4,183	3,281	7,465	365	12.5	380	39	-341
October	4,184	3,566	7,750	310	9.5	334	46	-288
November	4,186	3,537	7,724	446	14.4	151	177	26
December	4,181	3,280	7,461	479	17.1	94	356	262
Total	--	--	--	--	--	3,032	2,549	-482
2016								
January	4,181	2,629	6,809	474	22.0	37	689	652
February	4,180	2,242	6,422	703	45.7	69	456	387
March	4,171	2,164	6,335	831	62.4	149	236	87
April	4,173	2,287	6,460	715	45.5	229	103	-126
May	4,175	2,599	6,774	595	29.7	357	40	-317
June	4,177	2,839	7,016	490	20.9	292	49	-243
July	4,177	3,001	7,178	374	14.2	251	88	-163
August	4,177	3,162	7,340	222	7.5	253	92	-161
September	4,175	3,413	7,588	131	4.0	299	51	-248
October	4,178	3,633	7,810	66	1.9	271	51	-220
2016 10-Month YTD	--	--	--	--	--	2,207	1,855	-352
2015 10-Month YTD	--	--	--	--	--	2,787	2,017	-770
2014 10-Month YTD	--	--	--	--	--	2,954	2,326	-628

^a Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

^b Total as of December 31.

-- Not applicable.

Notes: Data for 2011 through 2014 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013.

Sources: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 12. Net withdrawals from underground storage, by state, 2014-2016
(million cubic feet)

State	2016							
	October	September	August	July	June	May	April	March
Alabama	-5,368	-597	2,250	3,115	1,486	-1,536	-3,383	-323
Alaska ^a	139	-1,321	-1,997	-1,976	-1,468	-1,957	-1,441	-451
Arkansas	-152	-318	-564	-517	-724	-801	-444	438
California	-8,590	-3,383	4,248	769	-7,766	-16,700	-17,261	-4,805
Colorado	-7,324	-5,271	-4,075	-5,222	-5,842	-5,548	1,334	3,688
Illinois	-37,807	-41,363	-33,535	-28,440	-32,072	-26,284	4,551	26,092
Indiana	-2,257	-2,199	-1,850	-1,850	-2,226	-2,905	527	1,694
Iowa	-18,715	-18,041	-14,078	-1,925	-2,856	-2,349	2,150	4,762
Kansas	-5,577	-8,157	-2,098	-7,378	-4,701	-13,272	-7,167	-4,070
Kentucky	-4,545	-4,548	-128	-2,707	-2,776	-8,262	-16,117	2,150
Louisiana	-51,370	-11,031	18,506	16,049	-2,585	-11,540	-20,296	-14,011
Maryland	133	-150	-1,397	-1,133	-3,022	-1,671	716	-342
Michigan	-27,683	R-54,745	-36,754	-35,799	-52,688	-65,480	-13,874	30,025
Minnesota	-104	-197	-228	-205	-174	-76	7	515
Mississippi	-24,918	-3,355	2,651	7,130	1,758	-6,684	-6,394	-12,187
Missouri	-405	-290	*	0	0	0	0	119
Montana	-782	-2,191	-3,465	-3,260	-4,908	-5,202	-3,943	-770
Nebraska	-1,175	-1,132	-90	-151	-16	-1,099	-630	-103
New Mexico	-1,530	75	167	659	-391	-1,615	-1,170	-1,658
New York	-7,006	-12,209	-3,017	-3,467	-7,422	-11,246	-1,571	4,660
Ohio	-10,323	-22,602	-23,658	-25,774	-26,258	-21,537	-5,040	17,603
Oklahoma	-12,220	-2,082	1,055	-3,398	-3,069	-15,348	-9,402	-5,923
Oregon	-1,086	-266	-16	-887	-511	-1,218	-1,027	-362
Pennsylvania	-16,859	-43,300	-18,752	-21,094	-36,463	-32,012	-5,601	20,011
Tennessee	-34	2	2	3	-38	-27	-17	-32
Texas	-50,646	112	21,278	18,530	7,624	-29,546	-38,115	-19,445
Utah	-1,542	-3,455	-2,871	-2,671	-4,887	-7,374	-814	-1,928
Virginia	-163	-185	-504	73	-46	-242	-508	135
Washington	-109	-3,266	-2,091	-788	-1,834	-4,392	-2,918	1,935
West Virginia	-7,057	-15,425	-22,388	-29,279	-25,941	-27,290	-14,238	11,571
Wyoming	-3,717	-1,656	-769	-1,773	-3,980	-3,858	-2,386	-139
Regions								
East Region	-41,275	-93,871	-69,715	-80,674	-99,152	-93,997	-26,243	53,638
South Central Region	-150,250	-25,428	43,079	33,529	-212	-78,727	-85,201	-55,521
Midwest Region	-91,550	R-121,381	-86,571	-70,923	-92,831	-105,382	-22,774	65,327
Mountain Region	-16,070	-13,629	-11,103	-12,418	-20,024	-24,696	-7,610	-910
Pacific Region	-9,785	-6,916	2,142	-906	-10,112	-22,310	-21,206	-3,232
Total Lower 48 States	-308,930	R-261,226	-122,169	-131,391	-222,330	-325,112	-163,034	59,302
U.S. Total	-308,791	R-262,547	-124,165	-133,368	-223,799	-327,069	-164,475	58,851

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016

(million cubic feet) – continued

State	2016			2015				
	February	January	Total	December	November	October	September	August
Alabama	-713	4,787	-3,817	-249	-1,217	-415	-2,416	1,057
Alaska ^a	-459	-50	782	140	197	-52	92	-108
Arkansas	328	434	-1,046	-127	-283	-212	-141	-403
California	7,203	40,217	-2,698	44,087	5,699	-18,709	-6,577	1,758
Colorado	2,412	9,800	-5,930	9,420	1,802	-4,141	-5,250	-5,181
Illinois	50,274	69,604	-10,603	45,715	-1,164	-36,756	-37,238	-34,172
Indiana	5,259	6,106	-4,411	1,569	-1,236	-2,047	-3,878	-3,494
Iowa	10,674	19,427	-4,955	16,556	4,637	-14,124	-16,136	-13,614
Kansas	11,913	26,541	-11,154	11,377	7,836	-5,912	-14,045	-9,249
Kentucky	9,656	19,675	-17,554	7,953	-1,730	-9,465	-7,783	-6,294
Louisiana	21,175	56,058	-88,237	8,860	-15,244	-40,257	-33,722	-20,717
Maryland	2,294	3,991	-1,304	517	490	-262	-372	-2,786
Michigan	80,654	108,415	-87,722	30,889	3,499	-60,050	-75,170	-81,284
Minnesota	127	315	-78	10	-149	-262	-219	-202
Mississippi	6,944	36,129	-27,879	-723	-4,892	-14,206	-16,234	-4,313
Missouri	-168	433	-586	28	-212	-268	-581	0
Montana	2,057	4,394	-3,197	3,620	2,456	-1,050	-2,101	-3,445
Nebraska	549	1,788	-786	979	212	-1,193	-1,296	-965
New Mexico	1,413	1,568	-19,897	-616	-2,132	-2,258	-1,275	-1,429
New York	14,573	21,931	-15,923	2,020	7	-6,129	-8,376	-8,289
Ohio	32,160	47,082	-33,025	19,441	7,717	-11,308	-22,886	-27,651
Oklahoma	10,070	26,725	-32,397	8,250	3,951	-13,483	-8,189	-6,183
Oregon	481	1,845	474	2,338	1,139	-1,330	-1,482	-685
Pennsylvania	62,426	87,473	-41,111	11,466	-6,135	-31,589	-38,785	-35,179
Tennessee	-6	25	-453	-54	-102	-93	-64	-59
Texas	24,128	56,721	-91,530	6,424	-2,086	-41,913	-35,276	-6,397
Utah	3,685	8,830	-8,073	6,185	3,131	-1,402	-4,323	-3,183
Virginia	17	1,612	-468	48	-270	-545	-623	-508
Washington	5,854	1,480	4,545	2,710	3,788	-792	-2,976	-4,747
West Virginia	35,666	62,059	-28,151	23,857	2,855	-9,191	-22,829	-30,326
Wyoming	2,448	3,031	-1,237	1,646	-255	-1,419	-1,866	-1,115
Regions								
East Region	147,136	224,148	-119,981	57,349	4,664	-59,024	-93,873	-104,740
South Central Region	73,846	207,396	-256,060	33,813	-11,936	-116,399	-110,024	-46,205
Midwest Region	156,470	224,000	-126,362	102,665	3,543	-123,064	-141,069	-139,118
Mountain Region	12,562	29,411	-39,121	21,235	5,213	-11,462	-16,112	-15,317
Pacific Region	13,538	43,542	2,322	49,135	10,625	-20,831	-11,035	-3,674
Total Lower 48 States	403,552	728,497	-539,203	264,197	12,109	-330,780	-372,112	-309,054
U.S. Total	403,093	728,447	-538,421	264,337	12,306	-330,832	-372,021	-309,162

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016

(million cubic feet) – continued

State	2015							2014
	July	June	May	April	March	February	January	Total
Alabama	-971	-734	-5,684	-6,159	-243	8,440	4,774	-5,603
Alaska ^a	-171	-78	-71	219	235	185	194	-5,152
Arkansas	-437	-357	-411	91	234	567	431	468
California	-8,522	-10,336	-25,451	-16,467	-4,345	-2,750	38,916	-45,335
Colorado	-5,048	-6,817	-5,045	1,888	920	5,579	5,942	-1,818
Illinois	-32,685	-29,520	-28,714	1,105	21,193	58,104	63,529	-10,730
Indiana	-2,687	-2,942	-2,903	-294	2,709	5,238	5,552	-841
Iowa	-2,563	-6,962	-5,355	541	6,384	11,129	14,550	-7,424
Kansas	-16,737	-11,868	-13,935	-2,777	-721	26,416	18,461	-15,614
Kentucky	-5,729	-5,537	-9,947	-14,941	2,284	20,181	13,454	-5,015
Louisiana	-17,892	-16,431	-36,612	-45,037	-1,990	73,436	57,369	21,565
Maryland	-2,440	-2,577	-2,522	-254	970	4,876	3,057	556
Michigan	-74,938	-82,493	-82,150	-42,975	61,590	176,480	138,879	-75,432
Minnesota	-176	-37	6	6	351	255	337	-364
Mississippi	-1,700	-11,013	-21,243	-30,471	371	40,415	36,131	-35,561
Missouri	0	*	0	0	-976	1,273	151	-1,253
Montana	-3,385	-3,128	-2,545	-1,350	-172	3,314	4,588	16,007
Nebraska	-77	-1,343	-1,121	-417	669	1,778	1,989	-278
New Mexico	-1,726	-1,306	-2,874	-2,771	-2,404	-1,237	131	7,015
New York	-9,553	-15,297	-12,852	-4,764	12,169	17,191	17,951	-4,857
Ohio	-25,160	-26,651	-31,413	-14,797	19,170	37,546	42,969	-6,127
Oklahoma	-8,740	-17,758	-30,908	-22,563	1,625	31,015	30,588	-6,811
Oregon	2	-374	-2,416	116	-732	688	3,212	-3,318
Pennsylvania	-24,593	-51,105	-62,659	-27,319	48,329	92,652	83,807	-41,556
Tennessee	-60	-49	-53	-48	-10	96	42	0
Texas	-1,462	-23,854	-64,583	-68,034	4,146	75,241	66,265	-19,539
Utah	-5,792	-5,110	-6,367	-512	-197	3,249	6,246	-1,155
Virginia	-87	-509	-600	793	-1,256	1,821	1,268	6
Washington	278	122	-4,285	-1,199	2,520	4,712	4,416	-3,458
West Virginia	-28,865	-25,786	-33,369	-23,204	19,424	41,243	58,043	-765
Wyoming	-1,186	-1,715	-1,151	308	1,217	2,397	1,901	-569
Regions								
East Region	-90,699	-121,926	-143,415	-69,546	98,805	195,328	207,094	-52,743
South Central Region	-47,939	-82,015	-173,376	-174,950	3,421	255,529	214,020	-61,096
Midwest Region	-118,838	-127,539	-129,116	-56,605	93,527	272,757	236,494	-101,059
Mountain Region	-17,214	-19,419	-19,103	-2,853	34	15,081	20,797	19,202
Pacific Region	-8,243	-10,588	-32,152	-17,550	-2,557	2,649	46,544	-52,112
Total Lower 48 States	-282,933	-361,486	-497,162	-321,505	193,230	741,344	724,949	-247,806
U.S. Total	-283,104	-361,564	-497,234	-321,286	193,465	741,529	725,144	-252,958

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016

(million cubic feet) – continued

State	2014							
	December	November	October	September	August	July	June	May
Alabama	-1,346	321	-3,227	-761	492	-38	-420	-5,110
Alaska ^a	-733	-558	106	-564	-697	-256	-1,546	-263
Arkansas	187	259	-12	-166	-396	-422	-450	-450
California	14,741	2,894	-27,183	-12,319	-22,052	-20,946	-41,166	-48,253
Colorado	9,314	2,970	-3,960	-6,177	-6,161	-7,622	-7,111	-3,848
Illinois	50,911	11,226	-38,767	-38,887	-39,186	-35,418	-35,170	-29,654
Indiana	2,764	207	-2,561	-3,451	-3,655	-3,103	-3,175	-2,745
Iowa	15,333	9,991	-11,564	-16,589	-16,826	-8,737	-7,981	-7,521
Kansas	8,640	11,740	-9,250	-12,602	-7,892	-15,372	-12,785	-4,659
Kentucky	1,712	2,549	-11,752	-9,008	-9,946	-9,214	-9,743	-8,340
Louisiana	11,447	7,202	-49,804	-37,896	-26,081	-35,789	-30,151	-29,849
Maryland	596	2,764	-1,919	-1,591	14	-2,308	-3,179	-3,611
Michigan	47,328	51,226	-45,756	-78,777	-92,472	-97,216	-97,918	-85,403
Minnesota	97	-107	-294	-223	-269	-247	-225	-184
Mississippi	-4,655	-2,348	-14,920	-13,380	331	-7,067	-16,132	-28,960
Missouri	135	-314	-312	-257	-777	0	0	*
Montana	3,346	3,688	-1,742	-1,952	-2,072	-2,852	-2,151	-2,124
Nebraska	888	719	-574	-2,299	-1,907	-1,589	-1,809	-94
New Mexico	440	-200	-2,469	-41	1,099	401	-2,165	-1,792
New York	5,228	7,036	-11,131	-14,041	-15,669	-13,780	-11,399	-6,000
Ohio	23,765	18,676	-15,873	-25,383	-22,667	-22,917	-28,204	-27,166
Oklahoma	15,204	7,444	-24,105	-15,412	-10,561	-10,836	-16,051	-19,840
Oregon	1,267	1,993	-505	-1,425	-1,897	-3,056	-4,133	-3,018
Pennsylvania	29,332	16,036	-39,656	-50,233	-44,335	-38,363	-55,862	-63,219
Tennessee	0	0	0	0	0	0	0	0
Texas	10,548	-17,967	-60,721	-44,441	-11,235	-22,245	-33,940	-44,996
Utah	7,368	4,621	-1,973	-5,125	-5,742	-7,678	-7,760	-8,156
Virginia	158	176	-638	-848	183	-282	167	-573
Washington	676	1,577	-223	-1,524	-4,077	-1,529	-3,418	-5,031
West Virginia	30,123	16,358	-17,465	-24,144	-25,969	-28,904	-27,051	-35,829
Wyoming	1,586	831	-2,049	-2,016	-3,075	-2,118	-1,709	-953
Regions								
East Region	89,203	61,045	-86,683	-116,239	-108,445	-106,553	-125,529	-136,399
South Central Region	40,026	6,651	-162,037	-124,657	-55,342	-91,771	-109,928	-133,863
Midwest Region	118,280	74,778	-111,005	-147,193	-163,132	-153,935	-154,212	-133,848
Mountain Region	22,941	12,630	-12,768	-17,611	-17,858	-21,457	-22,706	-16,967
Pacific Region	16,684	6,464	-27,912	-15,268	-28,027	-25,531	-48,717	-56,302
Total Lower 48 States	287,134	161,568	-400,405	-420,968	-372,803	-399,247	-461,091	-477,379
U.S. Total	286,401	161,011	-400,299	-421,532	-373,501	-399,503	-462,637	-477,641

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2014-2016
(million cubic feet) – continued

State	2014			
	April	March	February	January
Alabama	-5,260	61	3,236	6,448
Alaska ^a	-701	-197	559	-301
Arkansas	248	416	707	546
California	-37,379	7,619	74,988	63,722
Colorado	-381	4,485	8,422	8,251
Illinois	-1,578	23,881	49,721	72,190
Indiana	-297	2,106	5,517	7,553
Iowa	1,171	5,913	10,432	18,955
Kansas	-3,998	1,135	11,044	18,383
Kentucky	-4,574	12,228	16,687	24,386
Louisiana	-16,457	47,174	64,290	117,479
Maryland	-979	1,843	3,686	5,240
Michigan	-36,504	58,301	129,459	172,300
Minnesota	104	240	284	461
Mississippi	-23,328	7,170	19,014	48,713
Missouri	-5	1	58	218
Montana	1,805	5,696	7,344	7,020
Nebraska	761	498	2,400	2,728
New Mexico	-399	2,453	5,131	4,559
New York	-1,276	14,829	17,329	24,017
Ohio	-9,245	19,863	32,485	50,540
Oklahoma	-10,928	14,326	29,979	33,969
Oregon	-36	102	2,637	4,752
Pennsylvania	-26,488	46,657	88,267	96,309
Tennessee	0	0	0	0
Texas	-30,409	44,718	89,138	102,009
Utah	224	4,590	8,588	9,887
Virginia	-449	199	-293	2,208
Washington	-2,089	2,671	5,288	4,221
West Virginia	-8,421	22,841	38,330	59,366
Wyoming	-575	1,635	3,435	4,440
Regions				
East Region	-46,858	106,232	179,804	237,678
South Central Region	-90,131	115,000	217,408	327,547
Midwest Region	-41,683	102,669	212,159	296,063
Mountain Region	1,434	19,358	35,320	36,887
Pacific Region	-39,504	10,393	82,912	72,695
Total Lower 48 States	-216,741	353,651	727,603	970,871
U.S. Total	-217,441	353,454	728,162	970,569

^a Alaska data are not included in the regions' totals or the lower 48 states total.

^R Revised data.

* Volume is less than 500,000 cubic feet.

Notes: This table contains total net withdrawals for each of the states with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. EIA publishes weekly estimates of working gas in underground storage by geographical region; in November 2015, region breakouts were revised from three regions to five. See Explanatory Note 5 in Appendix A for a list of the new regions shown in this table and the states included in each.

Source: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 13. Activities of underground natural gas storage operators, by state, October 2016
(volumes in million cubic feet)

State	Field Count	Total Storage Capacity	Working Gas Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
				Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	2	43,600	33,150	10,450	24,219	34,669	943	4.0	6,070	702
Alaska ^a	5	83,592	67,915	14,197	35,263	49,460	10,669	43.4	581	720
Arkansas	2	21,853	12,178	12,880	2,911	15,791	690	31.0	170	18
California	14	601,808	375,496	225,845	289,316	515,162	-48,446	-14.3	11,842	3,252
Colorado	10	130,186	63,774	58,448	57,871	116,320	5,100	9.7	8,868	1,544
Illinois	28	1,004,330	303,613	703,105	257,468	960,573	3,778	1.5	38,361	554
Indiana	21	111,581	33,592	77,198	26,537	103,735	-407	-1.5	2,273	17
Iowa	4	288,210	90,313	197,897	79,023	276,919	-241	-0.3	18,750	35
Kansas	17	282,934	122,930	164,143	109,533	273,676	-5,247	-4.6	9,182	3,605
Kentucky	23	221,723	107,572	112,951	104,869	217,821	1,247	1.2	6,408	1,863
Louisiana	19	743,169	454,753	278,584	377,099	655,683	3,220	0.9	64,785	13,415
Maryland	1	64,000	18,300	45,677	15,977	61,655	-426	-2.6	827	960
Michigan	44	1,071,630	685,726	386,922	655,700	1,042,621	33,156	5.3	31,831	4,147
Minnesota	1	7,000	2,000	4,848	2,145	6,993	158	8.0	104	0
Mississippi	12	334,654	204,713	115,642	168,324	283,966	5,050	3.1	31,909	6,991
Missouri	1	13,845	6,000	7,845	6,615	14,461	275	4.3	405	0
Montana	5	376,301	197,501	178,501	37,960	216,461	11,994	46.2	1,228	446
Nebraska	1	34,850	12,653	22,197	12,455	34,651	-1,342	-9.7	1,222	47
New Mexico	2	89,100	59,738	29,362	48,054	77,416	5,228	12.2	1,907	377
New York	26	245,779	126,871	114,821	114,417	229,238	3,817	3.5	9,100	2,094
Ohio	24	575,794	230,828	340,158	203,888	544,046	11,207	5.8	12,241	1,918
Oklahoma	13	375,123	195,435	179,624	180,136	359,760	6,528	3.8	13,991	1,771
Oregon	7	29,565	15,935	11,186	18,694	29,880	533	2.9	1,086	0
Pennsylvania	49	760,619	425,861	337,355	386,029	723,384	5,333	1.4	29,026	12,167
Tennessee	2	2,400	1,800	878	1,279	2,157	274	27.3	36	2
Texas	36	854,469	549,887	297,985	471,829	769,814	1,571	0.3	67,536	16,890
Utah	3	124,509	54,942	69,508	52,057	121,565	3,715	7.7	1,992	450
Virginia	2	9,500	5,400	4,100	5,014	9,114	33	0.7	441	278
Washington	1	46,900	24,600	22,300	23,208	45,508	-369	-1.6	1,316	1,208
West Virginia	31	528,837	259,350	270,149	214,708	484,856	4,974	2.4	9,227	2,170
Wyoming	9	157,985	73,705	68,301	41,903	110,204	10,912	35.2	3,924	207
Regions										
East Region	133	2,184,529	1,066,610	1,112,261	940,032	2,052,293	24,938	2.7	60,862	19,587
South Central Region	101	2,655,801	1,573,046	1,059,308	1,334,051	2,393,358	12,753	1.0	193,642	43,392
Midwest Region	124	2,720,718	1,230,616	1,491,643	1,133,636	2,625,280	38,240	3.5	98,168	6,618
Mountain Region	30	912,931	462,313	426,318	250,300	676,617	35,608	16.6	19,141	3,071
Pacific Region	22	678,273	416,031	259,331	331,219	590,550	-48,283	-12.7	14,245	4,459
Total Lower 48 States	410	9,152,253	4,748,615	4,348,860	3,989,238	8,338,098	63,256	1.6	386,058	77,128
U.S. Total	415	9,235,846	4,816,531	4,363,057	4,024,501	8,387,558	73,925	1.9	386,639	77,848

^a Alaska data are not included in the regions' totals or the lower 48 states total.

Notes: Existing fields include both active and inactive fields. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Total gas capacity may not equal the sum of base gas and working gas capacity, owing to changes in operational conditions. Totals may not equal sum of components because of independent rounding. EIA publishes weekly estimates of working gas in underground storage by geographical region; in November 2015, region breakouts were revised from three regions to five. See Explanatory Note 5 in Appendix A for a list of the new regions shown in this table and the states included in each. Beginning with January 2013 data, Form EIA-191A is no longer used as a source for capacity data. Capacity data are now collected from the Form EIA-191. Change in Working Gas from Same Period, Previous Year, includes data for Alaska which had no working gas recorded for periods prior to January 2013. As of January 2015, the Kimball and Columbus III reservoirs in Michigan are being reported under the Bluewater Gas Storage Field on a combined basis. In prior periods, they were reported separately.

Source: Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016

(million cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	22,230	27,138	29,176	893	618	659	675	875
Alaska	12,497	13,574	13,446	1,711	828	534	479	534
Arizona	27,579	24,708	25,023	1,421	1,134	1,021	1,072	1,314
Arkansas	18,763	26,382	29,451	813	596	529	564	665
California	306,076	283,724	305,602	22,105	19,803	18,507	19,421	21,129
Colorado	88,507	83,631	92,870	5,970	3,231	2,751	2,597	2,956
Connecticut	35,131	42,380	39,677	2,050	1,000	933	1,075	1,365
Delaware	7,422	9,440	8,724	292	171	160	171	231
District of Columbia	8,510	11,044	10,455	345	207	216	246	287
Florida	12,389	12,414	12,572	1,000	746	713	736	680
Georgia	87,203	95,798	98,867	4,850	3,821	3,854	3,670	3,801
Hawaii	473	481	489	45	49	45	45	45
Idaho	16,117	14,937	16,898	1,437	681	492	518	580
Illinois	274,993	313,774	359,082	14,594	7,759	7,419	7,782	9,472
Indiana	89,091	104,545	114,334	4,363	2,382	2,240	2,063	2,265
Iowa	43,528	48,182	57,316	1,996	R1,317	1,042	R1,167	R1,173
Kansas	38,769	43,131	51,764	1,598	R1,182	R1,030	R1,118	R1,426
Kentucky	32,874	39,405	42,175	1,305	778	780	725	817
Louisiana	26,122	30,036	34,988	1,463	1,232	1,330	1,270	1,321
Maine	1,944	2,138	1,759	134	58	44	52	63
Maryland	55,509	68,247	67,536	2,638	1,421	1,339	1,479	1,778
Massachusetts	84,943	104,538	98,719	5,604	2,520	2,356	2,519	2,893
Michigan	218,261	248,232	264,439	15,258	6,808	5,012	5,559	6,159
Minnesota	NA	89,148	107,911	5,652	2,717	2,525	2,281	2,722
Mississippi	NA	18,968	21,721	695	571	553	567	NA
Missouri	63,805	74,832	86,453	2,607	1,663	1,739	1,763	1,942
Montana	13,500	12,897	15,192	1,434	655	420	415	534
Nebraska	23,487	26,122	30,916	1,013	R730	R657	R704	R894
Nevada	28,802	25,467	26,660	1,772	1,359	1,183	1,243	1,486
New Hampshire	5,072	6,278	5,888	239	158	133	134	173
New Jersey	163,311	198,782	190,867	9,042	4,785	4,501	5,901	6,524
New Mexico	23,670	23,164	23,397	1,217	937	776	841	1,087
New York	313,624	373,970	350,607	18,644	9,617	9,441	10,979	13,039
North Carolina	45,668	51,519	52,914	1,732	1,096	1,054	1,055	1,231
North Dakota	7,120	7,795	9,097	635	220	177	164	183
Ohio	186,607	232,502	243,813	10,407	4,734	4,832	4,251	4,876
Oklahoma	36,073	44,353	56,641	1,774	1,334	1,214	1,160	1,409
Oregon	27,618	24,546	29,064	2,827	1,226	890	1,005	1,173
Pennsylvania	162,382	192,927	192,413	9,168	4,331	4,094	4,264	5,242
Rhode Island	12,742	16,458	15,032	932	370	242	276	335
South Carolina	19,710	22,023	22,561	733	504	487	450	502
South Dakota	8,339	8,561	10,291	526	242	212	198	232
Tennessee	44,935	54,784	57,653	1,503	1,088	974	1,070	1,234
Texas	136,902	172,311	188,155	6,231	5,355	5,374	5,948	7,068
Utah	44,335	37,871	44,619	2,973	1,778	1,363	1,710	1,460
Vermont	2,549	3,137	2,971	143	84	74	89	109
Virginia	57,335	70,857	68,306	2,887	1,452	1,346	1,403	2,054
Washington	52,358	48,252	55,488	5,538	2,548	1,779	1,853	2,296
West Virginia	17,114	20,238	21,079	896	366	326	367	375
Wisconsin	89,822	99,328	112,589	5,535	2,379	2,103	2,338	2,581
Wyoming	8,092	7,810	9,369	597	R333	238	R228	R276
Total	3,205,259	3,612,780	3,827,026	189,236	R110,973	R101,712	R107,660	R123,606

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016

(million cubic feet) – continued

State	2016					2015		
	May	April	March	February	January	Total	December	November
Alabama	997	1,678	2,811	5,686	7,340	32,709	3,492	2,079
Alaska	864	1,233	1,886	2,068	2,359	18,574	2,683	2,317
Arizona	1,750	2,402	3,064	5,763	8,638	34,507	6,665	3,133
Arkansas	902	1,457	2,654	4,770	5,813	32,998	4,259	2,357
California	24,628	28,039	39,564	43,489	69,390	401,172	73,056	44,392
Colorado	6,531	10,396	14,346	17,334	22,396	122,364	22,545	16,187
Connecticut	2,385	4,229	5,562	7,947	8,584	50,975	4,749	3,846
Delaware	475	823	1,135	1,879	2,084	11,260	1,049	772
District of Columbia	501	791	1,107	2,285	2,524	13,494	1,456	994
Florida	827	980	1,550	2,384	2,772	15,044	1,425	1,204
Georgia	4,678	6,530	9,664	19,992	26,344	118,025	11,963	10,264
Hawaii	44	51	49	47	52	572	47	44
Idaho	881	1,290	2,532	3,241	4,466	23,482	4,842	3,704
Illinois	15,751	30,185	41,109	62,368	78,554	400,876	50,976	36,127
Indiana	4,827	9,496	11,848	21,727	27,880	133,045	16,792	11,707
Iowa	R2,228	R4,620	R6,723	R10,123	R13,139	62,739	9,058	5,499
Kansas	R2,331	R2,631	R5,285	R8,935	R13,233	57,408	8,784	5,493
Kentucky	1,509	2,673	4,737	8,694	10,856	49,426	5,853	4,167
Louisiana	1,579	2,028	2,782	5,204	7,912	36,046	3,679	2,331
Maine	143	258	342	401	450	2,700	315	246
Maryland	3,331	5,405	7,528	13,550	17,039	82,858	8,376	6,235
Massachusetts	5,800	10,379	14,183	18,657	20,032	126,662	12,658	9,466
Michigan	12,489	27,859	33,905	48,755	56,459	312,098	35,475	28,390
Minnesota	3,803	9,314	11,912	NA	24,767	117,586	17,835	10,603
Mississippi	815	NA	1,730	3,307	5,159	23,248	2,448	1,833
Missouri	2,934	5,008	8,781	15,238	22,130	95,503	12,940	7,731
Montana	969	1,336	2,084	2,377	3,276	18,796	3,263	2,636
Nebraska	R1,354	R2,295	R3,457	R5,397	R6,986	34,663	5,620	2,921
Nevada	1,952	2,449	3,452	5,542	8,364	37,029	7,344	4,218
New Hampshire	307	626	831	1,136	1,334	7,842	884	680
New Jersey	10,990	18,208	24,355	35,568	43,438	237,104	22,176	16,145
New Mexico	1,549	2,184	3,349	4,976	6,754	33,130	6,207	3,759
New York	22,528	37,670	48,649	67,663	75,393	452,148	44,300	33,879
North Carolina	1,670	3,327	5,172	13,015	16,316	64,523	6,836	6,169
North Dakota	378	778	1,086	1,524	1,975	10,552	1,698	1,060
Ohio	10,529	21,466	26,937	44,213	54,362	285,306	30,726	22,078
Oklahoma	1,811	2,441	4,745	7,832	12,354	59,387	9,335	5,700
Oregon	1,648	2,280	4,595	4,943	7,032	37,257	6,962	5,748
Pennsylvania	9,866	17,384	23,082	38,618	46,333	235,635	24,488	18,219
Rhode Island	767	1,541	1,991	2,872	3,416	20,042	1,952	1,632
South Carolina	723	1,408	2,293	5,713	6,899	27,417	3,019	2,374
South Dakota	529	983	1,317	1,785	2,314	11,751	2,016	1,174
Tennessee	1,772	3,312	5,827	12,089	16,067	67,301	7,707	4,810
Texas	7,366	11,575	16,582	30,037	41,366	211,370	28,032	11,027
Utah	2,988	4,442	6,215	9,011	12,393	58,562	12,346	8,345
Vermont	196	357	380	541	576	3,833	402	294
Virginia	3,072	5,427	8,183	14,331	17,179	85,464	8,151	6,455
Washington	3,165	4,151	8,883	9,250	12,895	71,952	12,477	11,223
West Virginia	735	1,808	2,668	4,221	5,352	24,807	2,449	2,120
Wisconsin	5,006	11,130	14,251	19,744	24,754	126,854	16,449	11,077
Wyoming	R713	R947	1,315	R1,509	R1,935	11,576	2,277	1,489
Total	R195,589	R330,226	R458,485	R698,340	R889,433	4,609,670	590,535	406,355

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	956	710	705	720	765	1,111	1,694	3,858
Alaska	1,429	1,040	531	499	589	883	1,473	2,174
Arizona	1,345	1,080	978	1,065	1,320	1,820	2,191	3,200
Arkansas	794	585	556	598	666	941	1,631	4,838
California	19,235	17,032	17,399	18,932	20,889	27,358	29,622	32,140
Colorado	5,800	2,924	2,403	2,633	3,115	7,343	8,503	12,871
Connecticut	2,101	948	970	1,089	1,330	2,112	4,766	8,749
Delaware	406	168	178	175	194	289	754	2,076
District of Columbia	567	276	262	264	256	456	866	2,046
Florida	1,070	626	628	824	859	924	1,217	1,364
Georgia	5,883	3,800	3,751	3,663	3,679	4,354	5,538	12,196
Hawaii	44	41	43	45	46	46	54	51
Idaho	1,017	652	367	494	521	900	1,736	2,203
Illinois	18,138	8,118	7,790	7,959	9,419	13,194	26,783	54,278
Indiana	5,768	2,419	2,008	2,172	2,309	3,713	8,643	18,560
Iowa	2,408	1,280	1,052	1,189	1,394	2,157	4,112	7,953
Kansas	2,143	1,569	1,418	1,132	1,357	1,823	2,487	7,202
Kentucky	1,640	885	889	899	900	1,217	2,309	7,078
Louisiana	1,503	1,326	1,178	1,266	1,260	1,642	1,842	4,242
Maine	145	48	48	49	71	95	224	404
Maryland	3,881	1,542	1,580	1,657	1,783	2,200	4,975	12,967
Massachusetts	5,833	2,486	2,463	2,641	3,330	4,364	10,124	20,986
Michigan	16,422	6,006	5,872	5,572	6,616	10,476	22,109	42,465
Minnesota	5,140	2,331	2,553	2,292	2,435	3,958	8,177	15,010
Mississippi	833	728	589	620	652	718	1,060	3,058
Missouri	3,096	1,646	1,729	1,595	1,807	2,514	6,206	15,779
Montana	1,042	494	379	382	401	903	1,448	1,947
Nebraska	1,081	683	695	809	971	1,343	2,137	4,219
Nevada	1,449	1,228	1,189	1,120	1,497	1,901	2,366	3,384
New Hampshire	251	153	146	151	186	244	596	1,197
New Jersey	8,928	4,507	4,589	5,481	6,160	8,995	21,273	41,241
New Mexico	1,247	829	840	808	1,262	1,572	1,919	3,422
New York	20,673	10,201	10,144	10,330	13,068	18,250	36,469	74,728
North Carolina	2,737	1,092	1,214	1,016	1,123	1,308	2,814	7,387
North Dakota	509	199	209	168	205	447	720	1,277
Ohio	12,188	4,677	4,717	5,012	6,095	9,819	22,267	47,720
Oklahoma	1,814	1,240	1,227	1,204	1,327	1,936	2,647	6,954
Oregon	1,772	1,195	825	844	968	1,703	3,258	3,543
Pennsylvania	11,556	4,796	4,062	4,148	5,380	7,625	17,156	37,960
Rhode Island	1,063	391	404	437	498	577	1,426	3,296
South Carolina	1,032	549	513	502	496	687	1,066	3,183
South Dakota	478	228	219	190	278	508	783	1,358
Tennessee	1,967	1,155	995	1,033	1,201	1,606	3,087	9,120
Texas	6,334	5,401	4,874	6,479	6,360	6,857	10,986	34,512
Utah	2,015	1,329	1,555	1,634	1,958	3,129	4,515	5,112
Vermont	168	81	74	89	107	156	367	610
Virginia	3,540	1,903	1,475	1,526	1,649	2,226	4,750	13,596
Washington	4,202	2,615	1,638	1,701	1,916	3,105	5,975	7,229
West Virginia	1,235	385	337	243	416	668	1,631	4,563
Wisconsin	6,091	2,502	2,310	2,478	2,481	4,550	9,496	16,213
Wyoming	437	300	199	244	410	731	888	1,177
Total	201,405	108,401	102,770	108,073	123,975	177,453	319,134	632,699

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015			2014				
	February	January	Total	December	November	October	September	August
Alabama	8,542	8,077	39,006	5,373	4,457	1,124	716	748
Alaska	2,212	2,743	17,734	2,218	2,070	1,768	875	538
Arizona	4,275	7,435	32,397	4,891	2,482	1,384	1,123	1,025
Arkansas	7,706	8,067	38,127	5,978	2,698	921	719	684
California	40,902	60,216	397,489	57,876	34,011	21,140	18,456	18,834
Colorado	16,449	21,591	132,106	20,604	18,632	6,921	3,533	2,195
Connecticut	10,279	10,035	51,193	6,846	4,670	1,776	1,046	974
Delaware	2,533	2,665	11,316	1,644	949	292	158	161
District of Columbia	2,886	3,166	14,242	2,117	1,671	550	262	258
Florida	2,443	2,459	16,652	2,227	1,853	965	641	729
Georgia	26,722	26,213	134,482	18,324	17,292	5,533	3,577	3,540
Hawaii	52	60	583	50	44	43	43	44
Idaho	2,701	4,346	24,616	3,981	3,737	1,334	628	541
Illinois	85,540	82,554	479,465	62,983	57,400	22,380	10,591	8,238
Indiana	29,649	29,303	156,639	22,394	19,910	7,619	2,925	2,417
Iowa	13,543	13,094	76,574	10,609	8,650	3,224	1,510	1,098
Kansas	11,373	12,628	71,115	11,328	8,023	2,268	1,274	1,127
Kentucky	12,025	11,564	57,590	8,517	6,898	1,856	970	806
Louisiana	7,405	8,372	44,518	5,705	3,825	1,691	1,358	1,294
Maine	529	526	2,357	350	249	105	54	41
Maryland	19,141	18,521	90,542	13,257	9,749	3,078	1,788	1,502
Massachusetts	26,240	26,072	126,902	16,894	11,289	4,933	2,927	2,411
Michigan	68,402	64,293	354,713	46,254	44,020	19,597	8,409	5,627
Minnesota	23,783	23,468	146,647	20,929	17,807	7,186	2,982	2,329
Mississippi	4,909	5,799	28,261	3,730	2,811	987	558	589
Missouri	20,729	19,731	115,512	16,552	12,508	3,865	2,106	1,729
Montana	2,604	3,296	21,379	3,267	2,919	1,104	618	362
Nebraska	6,971	7,214	42,147	6,587	4,644	1,447	811	730
Nevada	4,287	7,046	35,135	5,459	3,016	1,556	1,206	1,168
New Hampshire	1,665	1,691	7,755	1,072	795	338	172	138
New Jersey	50,550	47,059	247,742	32,458	24,417	8,303	5,091	4,865
New Mexico	5,014	6,249	32,374	5,533	3,445	1,275	835	908
New York	91,104	89,003	458,313	62,632	45,075	16,260	11,117	9,683
North Carolina	17,363	15,464	75,178	12,540	9,724	2,037	1,133	973
North Dakota	2,055	2,006	12,505	1,749	1,660	625	273	181
Ohio	61,207	58,799	320,568	45,059	31,696	13,581	6,185	4,860
Oklahoma	12,791	13,212	69,050	9,210	3,198	1,361	1,161	1,150
Oregon	4,187	6,251	41,185	6,418	5,703	1,779	970	894
Pennsylvania	51,850	48,396	254,816	37,330	25,074	9,532	4,770	4,251
Rhode Island	4,154	4,211	19,724	2,662	2,030	499	473	395
South Carolina	7,065	6,930	31,904	5,119	4,224	836	490	476
South Dakota	2,162	2,357	14,213	2,197	1,724	718	330	220
Tennessee	18,019	16,601	78,395	12,369	8,372	2,308	1,239	1,163
Texas	36,889	53,619	234,520	31,730	14,635	6,881	5,951	5,661
Utah	6,449	10,176	62,458	9,648	8,191	3,046	1,602	1,298
Vermont	760	725	3,826	507	349	158	96	79
Virginia	20,861	19,331	92,817	14,540	9,971	2,843	1,623	1,533
Washington	8,084	11,788	78,750	11,782	11,480	3,689	2,089	1,722
West Virginia	5,640	5,121	28,257	3,929	3,249	1,147	517	360
Wisconsin	27,502	25,705	150,409	19,411	18,409	7,477	3,365	2,397
Wyoming	1,457	1,966	13,269	2,069	1,831	737	386	241
Total	901,656	937,215	5,087,471	716,907	543,538	212,079	121,736	105,187

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016

(million cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	764	804	1,345	2,192	4,611	6,522	10,350
Alaska	545	678	800	1,427	2,201	2,443	2,169
Arizona	1,096	1,275	1,750	2,373	3,162	4,853	6,983
Arkansas	648	808	1,265	2,463	5,222	7,527	9,194
California	20,299	21,690	25,224	30,716	38,959	49,235	61,049
Colorado	3,220	3,526	6,319	9,485	15,296	19,396	22,977
Connecticut	1,036	1,311	2,325	4,620	8,035	8,875	9,677
Delaware	137	196	496	825	1,858	2,138	2,463
District of Columbia	249	293	446	893	2,087	2,508	2,908
Florida	709	593	917	1,166	1,920	1,874	3,057
Georgia	3,537	3,617	4,458	7,145	15,232	19,418	32,809
Hawaii	48	48	49	53	50	53	57
Idaho	552	617	870	1,787	2,643	3,469	4,456
Illinois	8,857	9,640	16,225	30,870	66,611	84,515	101,155
Indiana	2,243	1,996	4,250	7,911	22,950	27,362	34,662
Iowa	1,192	1,447	2,853	5,244	10,692	13,717	16,339
Kansas	1,190	1,285	2,055	4,506	9,658	13,168	15,232
Kentucky	779	904	1,563	3,189	7,890	10,591	13,627
Louisiana	1,226	1,263	1,972	2,576	5,482	7,356	10,769
Maine	41	55	112	206	363	361	421
Maryland	1,599	1,724	3,588	5,748	13,669	15,335	19,505
Massachusetts	2,618	2,815	6,548	12,741	19,893	19,678	24,156
Michigan	6,334	6,373	11,987	23,659	51,772	58,850	71,831
Minnesota	2,068	2,241	5,522	10,881	19,467	25,539	29,694
Mississippi	606	627	877	1,823	3,748	5,290	6,617
Missouri	1,891	2,007	3,221	8,183	16,125	21,410	25,916
Montana	360	544	921	1,642	2,700	3,633	3,307
Nebraska	791	938	1,713	2,959	5,589	7,612	8,326
Nevada	1,257	1,438	1,824	2,585	3,533	5,205	6,886
New Hampshire	142	217	454	535	1,207	1,210	1,476
New Jersey	5,388	6,079	9,581	18,446	38,911	44,067	50,138
New Mexico	936	1,043	1,507	2,292	3,519	4,764	6,317
New York	10,686	12,363	26,165	38,643	70,836	74,901	79,952
North Carolina	1,120	934	1,320	3,272	11,130	11,969	19,026
North Dakota	183	248	506	1,007	1,662	2,152	2,260
Ohio	5,156	6,255	10,181	19,967	48,571	58,508	70,548
Oklahoma	1,243	1,540	2,558	6,476	11,579	14,744	14,830
Oregon	979	1,213	1,459	3,197	4,412	6,749	7,412
Pennsylvania	4,150	5,014	8,707	17,444	39,581	45,671	53,292
Rhode Island	427	583	667	2,332	2,946	3,047	3,664
South Carolina	453	472	676	1,580	4,487	4,995	8,096
South Dakota	193	286	545	1,001	1,862	2,414	2,722
Tennessee	1,152	1,191	1,868	4,088	10,222	14,673	19,749
Texas	6,188	6,977	8,855	15,627	30,199	45,335	56,481
Utah	1,746	2,241	3,941	4,143	7,302	7,635	11,664
Vermont	82	96	175	354	617	608	706
Virginia	1,488	1,698	2,489	5,389	14,439	16,176	20,627
Washington	1,916	2,360	3,390	5,843	8,911	12,665	12,903
West Virginia	360	466	913	1,972	4,484	4,950	5,909
Wisconsin	2,642	3,251	5,305	11,561	20,074	25,727	30,789
Wyoming	262	314	699	1,101	1,552	2,032	2,045
Total	112,785	125,596	203,456	356,142	699,921	852,927	1,037,197

^R Revised data.^{NA} Not available.**Notes:** Geographic coverage is the 50 states and the District of Columbia. See Appendix A, Explanatory Note 6, for discussion of computations and revision policy.**Source:** Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016

(million cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	18,133	20,169	20,964	1,515	1,000	1,053	975	1,250
Alaska	11,686	13,974	13,686	1,403	864	642	566	664
Arizona	24,452	23,383	24,119	1,985	1,792	1,759	1,771	1,910
Arkansas	35,204	38,699	40,470	3,135	2,710	2,571	2,433	2,529
California	184,453	180,213	190,374	17,177	16,573	17,531	15,553	15,889
Colorado	39,983	38,176	41,576	2,751	1,815	1,503	1,647	1,838
Connecticut	NA	43,514	40,250	3,515	2,856	NA	NA	2,184
Delaware	9,584	9,381	8,986	898	620	588	540	535
District of Columbia	11,746	13,939	13,509	875	657	681	670	623
Florida	53,002	52,025	50,942	4,892	4,756	4,436	4,795	4,733
Georgia	39,511	43,819	44,157	2,608	2,113	2,083	2,045	2,078
Hawaii	1,591	1,594	1,616	162	171	163	155	154
Idaho	12,463	11,756	12,384	1,245	798	701	657	653
Illinois	157,943	172,777	189,269	12,531	8,174	7,896	7,882	7,251
Indiana	55,128	62,829	68,922	4,377	2,748	2,515	2,116	2,215
Iowa	36,215	38,624	43,019	2,937	R1,790	R1,806	R1,738	R1,586
Kansas	NA	24,413	27,095	1,786	R1,402	R1,429	R1,371	R1,476
Kentucky	25,021	28,639	30,055	1,720	1,187	1,137	1,069	1,023
Louisiana	24,226	24,236	24,662	2,192	1,964	2,071	1,882	1,909
Maine	NA	8,250	6,956	526	NA	279	294	324
Maryland	53,005	57,657	58,009	4,106	3,179	2,896	2,823	3,188
Massachusetts	74,736	86,206	82,157	6,940	4,187	3,980	3,715	3,621
Michigan	123,046	137,491	144,085	8,386	5,464	5,284	5,093	5,515
Minnesota	69,348	72,266	82,979	5,445	3,077	2,870	2,742	2,736
Mississippi	14,392	16,156	17,588	1,194	1,001	985	930	1,173
Missouri	43,037	48,733	56,372	3,055	2,096	2,248	2,159	2,066
Montana	15,411	13,795	15,556	1,585	951	756	745	778
Nebraska	19,432	22,629	24,381	1,224	R1,004	R913	R942	R1,029
Nevada	24,172	22,713	23,048	2,126	1,813	1,701	1,748	1,760
New Hampshire	6,318	7,730	7,184	376	241	209	206	255
New Jersey	NA	138,455	158,009	NA	9,105	7,474	8,016	8,184
New Mexico	18,198	17,785	18,148	1,583	1,208	1,086	1,041	1,152
New York	241,555	257,701	250,964	21,085	15,423	16,633	16,016	15,142
North Carolina	43,658	45,378	46,159	3,403	2,826	2,826	2,617	2,615
North Dakota	8,585	9,310	10,235	810	363	305	308	302
Ohio	114,070	137,718	141,393	8,588	4,917	4,931	4,220	4,182
Oklahoma	28,645	32,589	39,398	1,991	1,684	1,646	1,495	1,565
Oregon	20,057	18,255	20,988	1,998	1,197	980	1,026	1,093
Pennsylvania	110,076	124,368	120,557	8,847	5,067	4,814	4,553	4,967
Rhode Island	7,974	9,855	10,152	578	236	169	176	237
South Carolina	18,945	19,522	19,608	1,619	1,309	1,325	1,157	1,279
South Dakota	7,558	7,774	9,030	594	351	300	301	304
Tennessee	38,762	43,216	43,732	2,663	2,141	2,052	2,035	2,032
Texas	NA	144,648	150,155	10,592	10,102	10,092	10,294	NA
Utah	27,595	24,029	27,804	1,955	1,347	1,028	1,235	1,075
Vermont	NA	4,781	3,685	489	348	350	345	306
Virginia	51,629	56,751	54,258	4,444	2,936	2,664	2,646	3,132
Washington	37,757	36,239	40,512	3,790	2,494	2,176	2,268	2,441
West Virginia	17,230	18,655	18,875	1,336	994	1,001	1,059	984
Wisconsin	65,976	72,056	81,120	4,834	3,110	3,029	2,838	3,132
Wyoming	8,872	8,906	8,875	758	R488	430	385	R359
Total	2,381,383	2,563,777	2,678,027	192,740	R144,981	R140,838	R136,008	R138,828

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2016					Total	2015	
	May	April	March	February	January		December	November
Alabama	1,244	1,497	1,825	3,160	4,613	24,915	2,398	2,348
Alaska	825	1,195	1,664	1,752	2,110	18,472	2,469	2,028
Arizona	2,165	2,460	2,770	3,398	4,443	30,528	4,130	3,014
Arkansas	2,837	3,099	4,174	5,497	6,220	47,651	4,918	4,033
California	16,362	17,097	20,403	21,311	26,558	235,787	29,483	26,091
Colorado	3,121	4,598	6,179	7,263	9,269	54,004	9,189	6,639
Connecticut	2,925	3,862	5,276	7,021	7,388	52,453	4,915	4,024
Delaware	695	934	1,113	1,658	2,003	11,731	1,234	1,117
District of Columbia	854	1,190	1,264	2,405	2,528	17,113	1,611	1,563
Florida	5,054	5,309	5,811	6,323	6,893	62,754	5,584	5,144
Georgia	2,465	3,237	4,427	7,996	10,458	53,712	5,192	4,701
Hawaii	151	162	157	155	159	1,908	167	148
Idaho	851	993	1,706	2,077	2,782	16,708	2,812	2,140
Illinois	10,496	15,803	21,382	30,584	35,945	215,218	24,423	18,019
Indiana	3,327	5,228	6,579	11,543	14,481	77,526	8,323	6,374
Iowa	R2,110	R3,493	R4,879	R7,054	R8,822	49,269	6,378	4,268
Kansas	NA	R1,970	R2,653	4,212	R5,732	30,959	4,058	2,487
Kentucky	1,545	1,827	3,238	5,517	6,758	35,435	3,735	3,061
Louisiana	2,219	2,247	2,364	2,921	4,457	29,805	2,872	2,697
Maine	493	789	1,048	1,199	1,367	10,072	1,006	816
Maryland	4,081	5,411	6,392	9,509	11,422	70,199	6,638	5,903
Massachusetts	5,404	8,350	10,080	13,214	15,244	105,397	10,010	9,181
Michigan	8,703	14,623	18,781	24,800	26,396	168,360	17,807	13,062
Minnesota	4,040	7,146	10,266	14,790	16,235	93,004	12,435	8,304
Mississippi	1,207	1,032	1,453	2,237	3,179	19,697	1,800	1,741
Missouri	2,735	3,314	5,327	8,887	11,150	61,388	7,357	5,298
Montana	1,158	1,488	2,272	2,434	3,244	19,364	3,082	2,486
Nebraska	R1,243	R1,783	R2,518	R3,775	R5,001	29,464	4,117	2,718
Nevada	2,155	2,390	2,766	3,365	4,348	29,873	4,045	3,114
New Hampshire	398	738	991	1,320	1,584	9,630	1,050	850
New Jersey	9,176	11,773	15,436	20,511	23,535	163,223	13,604	11,164
New Mexico	1,288	1,607	2,265	2,902	4,065	25,038	4,115	3,137
New York	17,114	23,655	29,003	40,326	47,157	311,203	28,986	24,516
North Carolina	2,915	3,791	4,335	8,013	10,316	55,114	4,403	5,334
North Dakota	430	1,044	1,211	1,659	2,153	12,317	1,799	1,208
Ohio	6,674	12,115	14,966	23,559	29,917	166,602	16,202	12,682
Oklahoma	2,092	2,215	3,442	5,075	7,439	41,977	5,631	3,757
Oregon	1,438	1,839	2,973	3,194	4,319	25,797	4,191	3,351
Pennsylvania	7,146	11,041	13,699	22,320	27,622	152,079	14,838	12,872
Rhode Island	555	988	1,261	1,767	2,006	12,016	1,132	1,030
South Carolina	1,422	2,004	1,881	3,039	3,910	23,494	1,873	2,099
South Dakota	485	826	1,061	1,405	1,931	10,434	1,546	1,114
Tennessee	2,652	2,983	4,369	7,608	10,226	53,041	5,191	4,634
Texas	10,611	13,184	14,740	19,038	23,837	177,594	19,098	13,847
Utah	2,010	2,773	3,970	5,319	6,883	35,772	6,958	4,785
Vermont	286	NA	516	714	899	5,918	583	554
Virginia	3,556	5,145	6,289	9,234	11,584	69,107	6,201	6,155
Washington	2,828	3,094	5,496	5,807	7,362	49,967	7,685	6,044
West Virginia	1,208	1,633	2,302	3,018	3,696	22,598	2,014	1,928
Wisconsin	4,532	7,133	9,172	13,078	15,118	90,175	10,348	7,772
Wyoming	R727	R941	1,333	R1,524	R1,927	12,937	2,395	1,637
Total	R171,756	R233,576	R299,480	R416,487	R506,689	3,198,797	352,031	282,990

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	1,534	1,190	1,136	1,106	1,103	1,405	1,432	2,127
Alaska	1,393	1,202	717	662	574	1,147	1,548	2,268
Arizona	1,918	1,708	1,650	1,758	1,878	2,203	2,422	2,785
Arkansas	3,163	2,654	2,517	2,388	2,405	2,654	3,183	5,328
California	16,134	15,078	16,351	15,782	16,147	19,132	18,079	18,893
Colorado	2,795	1,647	1,409	1,522	1,954	3,510	3,872	5,458
Connecticut	3,080	2,515	2,451	2,321	2,239	2,611	4,444	7,321
Delaware	852	453	429	393	429	422	770	1,504
District of Columbia	1,230	798	770	712	821	725	1,010	2,184
Florida	4,936	4,382	4,589	4,671	4,863	4,762	5,286	5,629
Georgia	3,163	2,420	2,275	2,161	2,093	2,624	3,296	5,476
Hawaii	152	153	156	159	154	151	168	165
Idaho	1,102	718	603	627	685	850	1,235	1,477
Illinois	12,469	7,827	7,840	7,358	7,293	9,179	15,102	27,346
Indiana	4,687	2,765	2,171	2,356	2,308	2,725	5,093	9,951
Iowa	3,109	1,752	1,499	1,600	1,807	2,113	3,165	5,812
Kansas	2,132	1,610	1,796	1,428	1,076	1,439	1,588	3,180
Kentucky	1,788	1,208	1,205	1,192	1,125	1,202	1,739	4,345
Louisiana	2,213	2,141	1,839	1,745	1,840	2,037	2,001	2,514
Maine	597	435	428	417	407	389	833	1,405
Maryland	4,720	2,962	2,986	2,943	2,840	2,956	4,954	9,783
Massachusetts	7,315	3,981	3,877	3,892	4,042	4,417	7,679	14,537
Michigan	9,169	5,182	5,372	5,034	5,423	7,299	13,744	23,965
Minnesota	5,158	2,760	2,884	2,516	2,609	3,970	6,599	11,399
Mississippi	1,302	1,167	1,045	960	1,013	1,066	1,129	2,144
Missouri	3,331	2,112	2,161	1,881	1,840	2,368	4,330	8,620
Montana	1,149	682	577	590	579	981	1,394	2,045
Nebraska	1,616	964	1,044	1,264	1,281	1,460	1,957	3,127
Nevada	1,977	1,674	1,722	1,610	1,839	2,119	2,411	2,642
New Hampshire	389	240	233	229	274	308	673	1,455
New Jersey	8,406	7,123	7,173	7,475	6,556	7,304	15,286	22,572
New Mexico	1,608	1,053	1,068	980	1,240	1,356	1,488	2,093
New York	19,000	14,007	14,826	14,458	13,026	15,674	22,349	41,823
North Carolina	4,116	2,889	2,452	2,487	2,867	2,488	3,421	5,408
North Dakota	664	320	310	307	313	580	833	1,491
Ohio	9,078	4,465	4,716	4,679	5,217	6,476	12,865	24,200
Oklahoma	2,030	1,599	1,565	1,530	1,541	1,940	2,349	4,767
Oregon	1,510	1,184	923	942	981	1,551	2,209	2,391
Pennsylvania	9,859	5,196	4,641	4,390	5,154	5,766	10,552	21,189
Rhode Island	638	247	253	262	309	385	872	1,949
South Carolina	1,795	1,356	1,365	1,301	1,285	1,500	1,568	2,129
South Dakota	565	312	310	305	323	498	672	1,103
Tennessee	3,032	2,225	2,057	2,039	2,141	2,453	2,928	5,637
Texas	10,634	9,727	9,512	10,752	10,723	10,314	12,752	20,618
Utah	1,491	1,003	1,170	1,181	1,387	2,168	3,027	3,004
Vermont	520	334	316	340	323	204	370	675
Virginia	4,889	3,592	2,646	2,716	2,644	2,813	4,015	8,607
Washington	3,220	2,521	1,995	2,068	2,407	2,942	4,172	4,779
West Virginia	1,551	1,110	853	984	798	1,107	1,707	3,122
Wisconsin	4,983	2,866	2,963	2,781	2,840	3,791	6,601	11,827
Wyoming	604	503	298	422	461	919	986	1,196
Total	194,764	138,010	135,142	133,678	135,477	160,452	232,156	385,467

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015			2014				
	February	January	Total	December	November	October	September	August
Alabama	4,665	4,471	27,534	3,125	3,445	1,789	1,146	1,186
Alaska	1,992	2,473	17,925	2,307	1,932	1,662	1,081	758
Arizona	3,082	3,980	30,456	3,589	2,749	1,968	1,806	1,750
Arkansas	7,068	7,338	50,673	5,942	4,261	3,401	2,883	2,574
California	19,598	25,020	237,675	25,591	21,710	17,355	17,313	17,141
Colorado	7,069	8,940	58,008	8,844	7,587	3,118	1,862	1,361
Connecticut	8,272	8,259	51,221	6,252	4,719	2,785	2,246	2,204
Delaware	2,097	2,031	11,882	1,548	1,347	711	421	410
District of Columbia	2,648	3,043	17,498	2,242	1,747	1,007	745	752
Florida	6,332	6,575	62,612	5,992	5,679	4,840	4,585	4,407
Georgia	10,128	10,181	59,052	7,600	7,295	3,022	2,220	2,234
Hawaii	157	179	1,931	165	150	158	154	153
Idaho	1,770	2,687	16,963	2,472	2,107	1,038	777	660
Illinois	39,507	38,856	246,273	29,259	27,746	14,788	8,922	7,632
Indiana	15,388	15,385	90,915	11,472	10,520	5,183	3,216	2,449
Iowa	9,123	8,643	57,439	7,117	7,303	3,450	1,724	1,475
Kansas	4,868	5,296	36,154	4,932	4,127	2,052	1,494	1,395
Kentucky	7,562	7,275	39,967	5,410	4,502	1,965	1,340	1,120
Louisiana	3,680	4,226	31,277	3,307	3,308	2,232	1,848	1,849
Maine	1,665	1,676	9,030	1,144	930	492	314	264
Maryland	11,814	11,699	74,843	9,099	7,736	4,436	3,228	3,303
Massachusetts	18,252	18,214	105,801	12,458	11,187	6,331	4,179	3,790
Michigan	31,717	30,587	186,413	23,128	19,200	9,681	5,871	4,894
Minnesota	17,900	16,471	110,884	15,199	12,705	5,816	3,102	2,755
Mississippi	3,003	3,327	22,195	2,574	2,033	1,488	1,033	956
Missouri	11,594	10,496	72,919	9,199	7,349	3,835	2,556	2,268
Montana	2,568	3,229	21,549	3,145	2,849	1,154	793	580
Nebraska	4,904	5,012	32,407	4,419	3,608	1,773	1,222	1,166
Nevada	2,902	3,817	29,105	3,459	2,598	2,009	1,714	1,611
New Hampshire	1,955	1,975	9,412	1,233	996	481	260	224
New Jersey	28,279	28,280	202,201	24,505	19,687	11,427	9,818	9,136
New Mexico	3,063	3,836	25,693	3,990	3,555	1,652	1,060	1,224
New York	50,725	51,813	320,168	37,830	31,373	17,824	14,941	13,881
North Carolina	10,110	9,139	59,945	7,192	6,594	3,474	2,779	2,602
North Dakota	2,229	2,264	13,999	1,932	1,832	763	419	296
Ohio	33,326	32,696	183,105	23,759	17,953	9,491	5,640	4,697
Oklahoma	7,445	7,823	47,041	5,378	2,265	1,605	1,476	1,546
Oregon	2,791	3,774	28,377	4,047	3,343	1,538	1,083	1,066
Pennsylvania	29,766	27,856	159,636	21,355	17,723	8,889	5,044	4,753
Rhode Island	2,477	2,463	13,178	1,690	1,336	484	328	281
South Carolina	3,650	3,572	25,398	2,789	3,001	1,687	1,285	1,267
South Dakota	1,771	1,916	12,310	1,630	1,649	633	420	328
Tennessee	10,805	9,900	57,435	7,591	6,111	3,370	2,244	2,145
Texas	21,963	27,654	184,908	20,365	14,388	11,298	10,330	10,099
Utah	3,979	5,620	38,156	5,611	4,741	2,117	1,227	940
Vermont	810	889	4,830	666	479	300	239	223
Virginia	12,727	12,102	72,165	9,184	8,722	4,212	3,178	2,802
Washington	5,305	6,829	54,457	7,023	6,923	3,523	2,385	2,112
West Virginia	3,798	3,624	24,101	2,778	2,447	1,470	1,086	1,035
Wisconsin	16,777	16,627	107,003	13,482	12,402	5,795	3,398	2,979
Wyoming	1,603	1,913	12,188	1,732	1,581	789	477	389
Total	516,680	531,951	3,466,308	426,751	361,530	202,359	148,913	137,122

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	1,189	1,132	1,496	1,592	2,834	3,316	5,283
Alaska	667	829	902	1,451	2,030	2,249	2,055
Arizona	1,843	1,931	2,260	2,546	2,866	3,234	3,915
Arkansas	2,585	2,577	2,864	3,673	5,521	6,637	7,755
California	16,799	16,551	17,418	17,614	20,512	23,504	26,168
Colorado	1,767	1,937	2,932	4,234	6,357	8,402	9,605
Connecticut	2,158	2,221	2,589	4,206	6,849	7,530	7,462
Delaware	352	412	615	740	1,502	1,696	2,128
District of Columbia	703	744	877	1,224	2,325	2,169	2,961
Florida	4,534	4,565	4,738	5,320	5,744	5,602	6,605
Georgia	2,350	2,223	2,519	3,545	6,380	7,646	12,019
Hawaii	164	162	158	168	159	161	177
Idaho	627	661	766	1,216	1,715	2,185	2,739
Illinois	7,789	7,965	10,946	16,462	30,968	38,151	45,646
Indiana	2,514	2,360	3,368	5,827	10,893	15,117	17,995
Iowa	1,580	1,700	2,396	3,851	7,134	9,232	10,477
Kansas	1,364	1,177	1,432	2,276	4,217	5,471	6,217
Kentucky	1,077	1,079	1,390	2,219	5,051	6,516	8,298
Louisiana	1,731	1,709	2,145	2,113	3,201	3,295	4,539
Maine	335	357	466	715	1,296	1,247	1,468
Maryland	3,043	2,862	3,690	5,278	9,792	10,237	12,140
Massachusetts	3,600	3,456	6,139	9,986	13,503	14,772	16,401
Michigan	5,589	5,304	8,664	14,841	26,042	30,115	33,083
Minnesota	2,349	2,862	4,546	9,085	14,952	18,236	19,277
Mississippi	972	950	1,065	1,571	2,572	3,174	3,807
Missouri	2,267	2,190	2,733	5,112	9,208	13,070	13,133
Montana	542	671	959	1,562	2,715	3,468	3,113
Nebraska	1,161	1,101	1,557	2,280	3,859	4,818	5,443
Nevada	1,722	1,753	2,061	2,375	2,674	3,169	3,961
New Hampshire	215	292	582	658	1,409	1,372	1,691
New Jersey	9,596	9,819	12,207	14,060	24,277	27,541	30,128
New Mexico	1,200	1,118	1,324	1,703	2,429	2,702	3,737
New York	12,988	14,274	18,591	25,033	41,932	43,304	48,196
North Carolina	2,785	2,826	3,196	3,247	7,155	7,128	10,966
North Dakota	319	354	685	970	1,826	2,258	2,345
Ohio	4,799	5,269	6,482	10,918	26,332	30,959	36,807
Oklahoma	1,509	1,744	2,464	5,343	7,102	8,380	8,230
Oregon	956	1,201	1,237	2,177	2,920	4,098	4,711
Pennsylvania	4,492	4,759	5,684	9,996	21,946	24,813	30,181
Rhode Island	265	442	485	1,622	1,914	1,967	2,364
South Carolina	1,255	1,286	1,412	1,620	2,931	2,784	4,082
South Dakota	312	361	519	881	1,521	1,916	2,139
Tennessee	2,106	2,029	2,175	3,201	6,578	8,314	11,570
Texas	10,743	10,733	11,280	14,780	19,205	24,160	27,526
Utah	1,257	1,586	2,538	2,532	4,397	4,485	6,726
Vermont	218	199	259	393	575	551	727
Virginia	2,578	2,806	2,904	4,270	9,259	9,723	12,526
Washington	2,162	2,427	2,774	3,942	5,900	7,396	7,891
West Virginia	1,015	786	1,269	1,643	3,199	3,585	3,787
Wisconsin	3,117	3,333	4,324	7,965	13,915	16,512	19,782
Wyoming	349	365	670	1,001	1,337	1,737	1,762
Total	137,609	141,451	176,753	251,038	420,934	490,105	571,744

^R Revised data.^{NA} Not available.**Notes:** Geographic coverage is the 50 states and the District of Columbia. See Appendix A, Explanatory Note 6, for discussion of computations and revision policy.**Source:** Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural gas deliveries to industrial consumers, by state, 2014-2016

(million cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	157,119	156,067	154,555	14,849	13,993	14,623	14,695	15,147
Alaska	3,308	4,060	3,896	538	436	261	307	363
Arizona	16,201	16,492	18,160	1,664	1,576	1,384	1,335	1,542
Arkansas	66,400	70,785	72,231	6,654	6,313	6,469	6,029	6,028
California	643,313	646,685	658,319	63,617	68,647	72,567	66,296	62,499
Colorado	64,285	61,999	62,068	6,154	5,217	5,298	5,168	5,034
Connecticut	19,763	21,408	23,510	1,779	1,695	1,766	1,718	1,633
Delaware	26,112	27,404	25,141	2,742	2,659	2,573	2,690	2,335
District of Columbia	0	0	0	0	0	0	0	0
Florida	85,792	79,563	78,171	8,357	8,142	8,409	8,293	7,650
Georgia	126,633	131,189	132,278	12,805	11,364	11,760	11,890	11,941
Hawaii	459	370	332	43	44	56	54	41
Idaho ^a	27,820	24,955	23,111	3,119	2,661	2,253	2,525	2,137
Illinois	NA	217,674	237,990	20,481	18,672	17,648	NA	NA
Indiana	305,286	309,240	306,379	24,643	27,073	27,950	29,030	29,040
Iowa	149,611	147,834	139,776	16,267	^R 14,106	14,383	^R 14,264	^R 14,033
Kansas	93,893	90,505	97,517	8,459	^R 7,747	10,904	^R 10,250	^R 8,651
Kentucky	94,192	96,239	95,209	9,012	8,211	8,590	8,181	8,249
Louisiana	859,179	782,159	796,434	84,902	83,892	86,726	87,948	84,591
Maine	NA	17,936	20,710	1,634	1,522	1,530	1,511	NA
Maryland	NA	12,175	11,785	NA	978	1,183	1,196	1,042
Massachusetts	35,643	36,469	36,821	3,271	2,450	2,376	2,431	2,790
Michigan	139,983	141,540	147,381	13,284	12,206	11,525	10,796	11,431
Minnesota	NA	128,181	138,553	11,888	NA	11,810	12,285	11,627
Mississippi	95,403	101,030	96,637	8,328	8,686	9,565	9,583	9,833
Missouri	NA	53,973	54,334	NA	4,699	4,248	4,413	4,574
Montana	NA	17,111	17,595	NA	NA	NA	NA	NA
Nebraska	72,369	70,595	70,589	7,717	^R 8,022	^R 8,856	^R 8,163	6,885
Nevada	NA	14,749	13,277	1,635	NA	NA	NA	1,433
New Hampshire	NA	6,935	6,890	616	586	551	558	NA
New Jersey	53,316	46,582	50,493	5,614	5,377	5,733	6,005	5,472
New Mexico	13,238	14,753	15,585	1,325	1,237	1,214	1,257	1,225
New York	65,691	69,714	69,247	6,491	5,650	^R 5,897	^R 5,510	^R 5,441
North Carolina	87,045	87,142	88,669	8,636	7,710	8,381	7,751	7,678
North Dakota	25,648	26,333	23,562	3,185	2,853	2,040	2,197	2,773
Ohio	226,328	230,158	251,040	21,566	19,492	19,074	19,309	19,851
Oklahoma	159,316	149,480	154,088	14,985	13,805	15,640	15,809	15,702
Oregon	46,330	44,836	46,393	4,846	4,368	4,279	4,198	4,216
Pennsylvania	NA	201,097	192,782	NA	18,813	20,896	19,537	19,043
Rhode Island	7,064	7,213	6,622	694	742	662	605	652
South Carolina	71,274	69,153	68,570	7,074	6,780	6,820	6,691	6,927
South Dakota	NA	36,407	36,250	3,564	3,535	NA	3,400	3,385
Tennessee	99,909	95,556	96,056	9,963	9,315	9,598	9,264	9,467
Texas	NA	1,317,568	1,317,266	139,331	139,062	NA	NA	130,406
Utah	31,908	30,537	31,848	3,130	2,995	2,735	2,822	3,036
Vermont	1,755	1,675	1,499	185	153	140	140	151
Virginia	NA	72,293	66,944	NA	7,536	7,461	7,398	7,196
Washington	64,680	62,082	64,864	7,137	6,413	5,965	6,014	5,732
West Virginia	26,784	21,410	22,962	3,159	2,847	2,706	2,832	2,530
Wisconsin	115,035	111,479	113,262	11,267	9,824	9,963	9,224	9,691
Wyoming	NA	38,845	38,655	4,478	3,975	4,136	4,064	4,262
Total	6,376,050	6,219,634	6,296,304	625,161	^R607,783	^R631,159	^R621,183	^R595,320

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2014-2016
(million cubic feet) – continued

State	2016					Total	2015	
	May	April	March	February	January		December	November
Alabama	16,613	15,753	16,568	16,396	18,481	186,954	15,730	15,157
Alaska	261	183	237	243	479	4,864	422	381
Arizona	1,591	1,577	1,709	1,793	2,031	20,402	2,029	1,882
Arkansas	6,420	6,512	6,968	7,081	7,925	85,287	7,301	7,201
California	63,054	61,348	62,467	58,716	64,102	777,104	66,909	63,511
Colorado	6,193	6,680	7,599	7,760	9,184	78,694	8,998	7,697
Connecticut	1,747	1,958	2,083	2,566	2,817	25,612	2,194	2,010
Delaware	2,643	2,464	2,666	2,517	2,821	33,126	3,040	2,682
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,617	9,093	9,148	8,667	9,416	96,124	8,855	7,706
Georgia	12,721	12,435	13,481	13,859	14,377	157,936	13,423	13,324
Hawaii	47	42	41	44	47	442	36	36
Idaho ^a	2,463	2,494	3,186	3,335	3,647	31,664	3,399	3,311
Illinois	18,796	20,311	23,292	25,696	27,930	265,900	24,502	23,724
Indiana	31,227	31,464	33,813	34,110	36,936	372,537	33,407	29,891
Iowa	^R 14,229	^R 13,908	^R 15,725	^R 15,766	^R 16,930	178,772	15,802	15,136
Kansas	^R 8,554	^R 8,917	^R 9,581	^R 9,901	^R 10,930	111,016	11,367	9,144
Kentucky	9,181	9,458	10,363	10,922	12,025	115,956	9,951	9,766
Louisiana	87,285	85,108	87,558	81,450	89,718	948,918	85,177	81,583
Maine	NA	NA	NA	NA	NA	20,972	1,526	1,510
Maryland	1,179	1,239	1,519	1,428	1,322	14,765	1,312	1,277
Massachusetts	3,111	4,072	4,478	5,187	5,478	44,554	4,043	4,042
Michigan	12,111	14,685	16,587	18,218	19,140	171,196	15,555	14,100
Minnesota	11,634	NA	17,566	NA	NA	157,400	15,545	13,674
Mississippi	9,766	9,641	9,093	10,101	10,807	121,866	10,513	10,323
Missouri	5,146	5,272	6,041	7,176	6,914	65,691	6,158	5,560
Montana	1,723	NA	NA	1,918	2,136	21,152	2,102	1,939
Nebraska	^R 6,557	^R 6,363	^R 6,496	^R 6,311	^R 6,998	85,604	7,161	7,848
Nevada	1,483	1,518	1,562	1,448	1,609	17,724	1,467	1,507
New Hampshire	NA	NA	NA	NA	826	8,386	743	709
New Jersey	4,533	5,007	4,351	4,929	6,294	55,368	4,211	4,575
New Mexico	1,302	1,234	1,443	1,454	1,547	17,937	1,571	1,613
New York	^R 5,215	^R 7,067	^R 7,901	^R 8,332	^R 8,187	83,055	6,684	6,657
North Carolina	8,450	8,646	9,211	10,069	10,515	105,103	9,050	8,912
North Dakota	2,800	2,094	2,668	2,278	2,759	31,660	2,377	2,951
Ohio	21,570	23,038	25,038	27,438	29,952	276,004	23,373	22,474
Oklahoma	17,335	16,366	16,456	15,430	17,788	184,627	17,940	17,208
Oregon	4,518	4,545	4,996	4,859	5,506	54,931	5,261	4,834
Pennsylvania	19,345	20,567	22,079	23,266	23,953	241,287	20,844	19,346
Rhode Island	691	728	760	799	730	8,624	742	669
South Carolina	7,360	7,168	7,449	7,198	7,808	84,405	7,892	7,360
South Dakota	3,479	3,644	3,785	3,932	4,116	44,094	3,872	3,815
Tennessee	9,340	9,521	10,126	11,145	12,169	114,673	9,842	9,275
Texas	130,670	128,883	139,966	133,542	144,468	1,599,279	144,705	137,006
Utah	3,073	3,569	3,376	3,600	3,571	37,189	3,568	3,083
Vermont	167	192	204	204	220	2,040	188	178
Virginia	7,382	7,181	7,482	7,185	8,633	86,817	7,186	7,338
Washington	5,760	6,305	6,605	6,792	7,958	76,600	7,527	6,991
West Virginia	2,205	2,306	2,677	2,718	2,804	25,901	2,430	2,061
Wisconsin	10,100	11,833	12,944	14,219	15,970	136,709	12,901	12,329
Wyoming	4,595	NA	NA	4,438	4,671	47,667	4,626	4,196
Total	^R 616,398	^R 623,314	^R 668,481	^R 665,519	^R 721,732	7,534,589	675,456	639,499

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	15,350	14,954	15,369	15,841	14,675	15,522	14,200	15,980
Alaska	369	345	402	390	376	397	395	439
Arizona	1,604	1,446	1,487	1,498	1,512	1,644	1,659	1,831
Arkansas	6,903	6,342	6,455	6,434	6,380	6,771	7,029	7,921
California	64,415	65,899	71,454	69,807	62,545	63,541	63,109	62,086
Colorado	5,866	4,823	5,029	5,033	4,904	6,015	6,100	7,182
Connecticut	1,883	1,712	1,804	1,736	1,733	1,816	2,082	2,936
Delaware	2,590	2,448	2,636	2,668	2,560	2,819	3,037	3,171
District of Columbia	0	0	0	0	0	0	0	0
Florida	7,928	7,320	7,298	7,605	7,572	8,064	7,994	8,562
Georgia	13,742	12,274	12,720	13,006	12,710	13,089	12,115	13,537
Hawaii	43	37	41	38	44	31	32	37
Idaho ^a	3,028	2,561	2,412	2,091	2,359	2,598	2,322	2,419
Illinois	20,369	18,722	18,717	19,614	18,206	19,770	20,616	24,665
Indiana	28,801	26,669	28,121	28,246	27,518	29,593	29,054	36,014
Iowa	15,213	13,428	13,991	13,797	13,627	14,433	13,906	15,493
Kansas	8,368	7,999	9,938	10,113	8,377	7,763	8,285	8,435
Kentucky	8,847	8,471	8,798	8,438	8,571	8,729	9,650	11,399
Louisiana	79,536	77,834	80,573	77,087	75,647	79,939	76,095	76,843
Maine	1,670	1,590	1,555	1,591	1,629	1,718	1,953	2,186
Maryland	1,252	1,140	927	1,123	1,168	1,141	1,135	1,351
Massachusetts	3,051	2,574	2,215	2,265	2,169	2,808	4,049	5,321
Michigan	13,319	11,478	11,210	11,139	10,687	11,570	14,382	17,712
Minnesota	13,346	11,362	10,324	10,333	10,718	11,132	13,355	15,419
Mississippi	11,293	9,900	9,648	9,720	9,896	9,645	9,620	9,986
Missouri	4,912	4,551	4,399	4,742	4,629	4,657	5,116	6,733
Montana	1,812	1,654	1,901	1,391	1,500	1,613	1,612	1,729
Nebraska	7,320	6,508	7,106	7,738	6,459	6,797	6,626	6,395
Nevada	1,463	1,470	1,463	1,425	1,386	1,438	1,558	1,546
New Hampshire	619	605	566	606	611	598	764	930
New Jersey	4,156	4,079	4,039	4,218	4,134	4,154	4,589	5,316
New Mexico	1,476	1,345	1,434	1,379	1,230	1,550	1,597	1,643
New York	6,256	5,594	5,803	5,278	5,363	5,775	7,332	9,508
North Carolina	9,045	7,975	8,155	7,855	7,794	8,132	8,546	9,856
North Dakota	2,948	2,706	2,519	1,999	2,452	2,835	2,510	2,940
Ohio	20,128	18,521	19,080	19,463	19,413	20,431	22,803	28,217
Oklahoma	15,900	14,979	13,433	12,256	12,777	15,918	15,178	15,925
Oregon	4,377	4,087	4,163	4,014	4,194	4,411	4,784	4,824
Pennsylvania	19,056	17,342	17,482	18,103	18,132	19,273	20,078	24,188
Rhode Island	675	686	673	650	666	701	848	760
South Carolina	7,255	6,632	6,762	6,658	6,661	6,852	7,080	7,602
South Dakota	3,422	3,438	3,534	3,499	3,571	3,524	3,706	3,722
Tennessee	9,189	8,715	8,767	8,573	8,800	8,581	9,194	10,716
Texas	131,492	127,538	135,406	133,141	129,478	134,316	129,221	132,504
Utah	2,933	2,724	2,755	2,744	2,994	3,073	3,092	3,152
Vermont	188	150	153	156	137	134	158	207
Virginia	7,260	6,752	7,360	7,286	7,320	7,646	7,711	6,605
Washington	6,754	6,029	5,638	5,375	5,703	6,000	6,193	6,880
West Virginia	1,893	1,717	1,877	1,787	1,948	1,905	2,282	2,716
Wisconsin	10,777	9,133	9,153	8,853	8,839	9,392	10,427	13,617
Wyoming	3,906	3,644	3,765	3,826	3,817	3,673	3,919	4,092
Total	613,999	579,903	600,508	592,628	575,588	603,928	609,100	663,251

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015			2014				
	February	January	Total	December	November	October	September	August
Alabama	16,318	17,857	187,661	16,659	16,447	15,823	14,995	14,709
Alaska	450	497	4,847	494	458	508	485	434
Arizona	1,695	2,115	22,489	2,349	1,980	1,761	1,634	1,684
Arkansas	8,062	8,486	88,797	8,029	8,537	7,495	6,721	6,743
California	57,365	66,464	788,817	67,425	63,073	66,331	69,753	74,044
Colorado	8,094	8,953	78,323	8,641	7,615	5,971	4,931	4,772
Connecticut	2,728	2,978	28,371	2,571	2,289	1,961	1,734	1,868
Delaware	2,494	2,980	31,004	3,094	2,769	2,668	2,582	2,473
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,416	8,804	94,479	8,544	7,764	7,794	7,064	6,957
Georgia	13,192	14,803	160,842	14,260	14,304	13,588	12,589	12,455
Hawaii	28	38	401	36	33	32	34	42
Idaho	2,558	2,607	28,046	2,543	2,392	2,345	2,082	1,913
Illinois	27,785	29,210	294,220	29,281	26,950	22,482	21,720	20,469
Indiana	37,319	37,904	375,788	35,301	34,107	29,439	28,836	28,557
Iowa	16,578	17,368	172,142	15,925	16,442	14,504	12,162	12,761
Kansas	10,152	11,073	118,590	10,427	10,646	8,208	8,077	10,264
Kentucky	11,377	11,960	116,646	10,602	10,834	9,725	8,659	8,679
Louisiana	74,907	83,698	960,033	82,338	81,262	79,353	74,373	79,443
Maine	1,843	2,201	24,121	1,683	1,728	1,768	1,950	1,902
Maryland	1,353	1,584	14,734	1,433	1,516	1,182	1,065	988
Massachusetts	6,187	5,830	45,581	4,841	3,918	2,838	2,326	2,591
Michigan	19,139	20,906	180,829	17,869	15,580	14,325	11,680	11,327
Minnesota	15,370	16,822	173,569	18,611	16,406	13,805	13,227	12,991
Mississippi	10,330	10,994	117,908	10,741	10,530	10,187	9,738	9,895
Missouri	7,055	7,179	67,115	6,596	6,185	5,043	4,605	4,569
Montana	1,796	2,105	22,084	2,291	2,198	1,962	1,637	1,486
Nebraska	7,715	7,930	86,878	7,637	8,652	7,581	7,105	6,786
Nevada	1,376	1,625	16,432	1,598	1,557	1,506	1,396	1,329
New Hampshire	812	823	8,456	826	741	628	626	563
New Jersey	5,557	6,341	61,494	5,087	5,914	4,781	4,593	4,544
New Mexico	1,523	1,575	19,091	1,799	1,707	1,469	1,320	1,433
New York	9,426	9,378	84,255	8,066	6,942	6,048	5,652	5,393
North Carolina	9,375	10,411	107,904	9,794	9,441	8,957	8,149	8,256
North Dakota	2,687	2,736	27,762	2,202	1,998	2,091	1,442	1,877
Ohio	30,802	31,300	303,366	27,609	24,717	23,090	22,786	22,950
Oklahoma	15,213	17,901	183,874	15,658	14,127	12,644	14,694	15,350
Oregon	4,648	5,335	56,522	5,135	4,993	4,655	4,163	4,107
Pennsylvania	23,656	23,787	237,013	22,738	21,493	17,768	16,950	16,936
Rhode Island	826	728	8,008	727	660	610	545	786
South Carolina	6,083	7,567	83,443	7,542	7,331	7,155	6,562	6,711
South Dakota	3,967	4,025	44,205	4,014	3,942	3,525	3,421	3,463
Tennessee	11,509	11,512	116,882	10,591	10,235	9,441	8,952	8,985
Texas	124,812	139,660	1,585,742	137,385	131,090	122,863	127,100	134,723
Utah	3,483	3,586	38,330	3,416	3,065	2,587	3,012	2,835
Vermont	176	217	1,858	185	174	154	137	131
Virginia	6,805	7,550	81,040	7,033	7,063	6,686	6,240	6,820
Washington	6,255	7,253	79,439	7,382	7,192	6,877	6,219	6,003
West Virginia	2,713	2,572	27,796	2,416	2,419	2,311	1,991	2,062
Wisconsin	15,341	15,947	141,661	14,361	14,038	11,240	9,617	8,761
Wyoming	3,733	4,470	47,153	4,330	4,168	4,153	3,661	3,712
Total	661,083	719,645	7,646,039	690,112	659,624	609,917	590,989	608,533

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2014-2016

(million cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	14,433	14,638	15,234	15,238	16,244	15,286	17,956
Alaska	427	320	338	283	403	336	361
Arizona	1,675	1,611	1,812	1,879	1,979	1,934	2,191
Arkansas	6,720	6,521	6,770	6,995	7,842	7,682	8,742
California	71,666	63,954	65,214	62,483	63,286	57,702	63,885
Colorado	4,796	5,228	5,525	6,322	7,575	8,062	8,885
Connecticut	1,949	1,950	2,015	2,267	3,147	3,120	3,499
Delaware	2,269	2,140	2,477	2,340	2,871	2,644	2,676
District of Columbia	0	0	0	0	0	0	0
Florida	7,415	6,980	7,841	8,114	8,211	8,059	9,737
Georgia	12,885	12,518	13,154	13,277	14,625	13,318	13,868
Hawaii	34	30	31	29	35	27	36
Idaho ^a	2,050	2,333	2,452	2,318	2,389	2,477	2,752
Illinois	20,076	19,691	21,040	23,106	27,329	28,611	33,466
Indiana	27,773	27,553	28,579	30,014	33,264	34,324	38,039
Iowa	13,344	13,196	13,095	13,563	14,847	15,090	17,215
Kansas	10,664	8,600	9,845	9,768	10,577	10,305	11,208
Kentucky	8,734	8,715	8,850	8,949	10,483	10,716	11,699
Louisiana	79,361	77,414	80,163	81,868	84,435	76,982	83,041
Maine	2,329	1,948	2,332	2,145	2,436	1,592	2,308
Maryland	1,118	1,251	1,122	1,040	1,332	1,354	1,333
Massachusetts	2,054	2,625	3,173	4,098	5,521	5,746	5,849
Michigan	10,577	10,556	11,733	15,152	19,186	20,923	21,924
Minnesota	12,493	13,013	11,580	13,976	15,286	13,888	18,294
Mississippi	9,765	9,815	9,735	9,724	9,399	8,976	9,404
Missouri	4,573	4,412	4,848	5,350	6,564	6,959	7,413
Montana	1,565	1,600	1,817	1,678	2,001	1,765	2,086
Nebraska	7,145	6,523	6,736	6,431	7,210	7,185	7,888
Nevada	1,225	1,312	1,272	1,280	1,361	1,209	1,387
New Hampshire	564	648	655	743	765	838	861
New Jersey	5,000	4,625	4,760	4,614	6,037	5,448	6,090
New Mexico	1,444	1,442	1,529	1,580	1,781	1,658	1,929
New York	5,448	5,395	5,892	7,366	9,260	9,286	9,507
North Carolina	7,936	7,913	8,344	8,893	10,339	9,703	10,179
North Dakota	2,605	2,538	2,354	2,736	2,811	2,444	2,662
Ohio	22,888	22,033	21,392	24,434	29,069	30,125	32,272
Oklahoma	13,397	14,108	14,683	18,764	17,110	16,753	16,585
Oregon	3,998	4,387	4,492	4,752	5,164	5,094	5,581
Pennsylvania	18,036	17,806	18,532	20,145	22,444	21,872	22,293
Rhode Island	664	557	499	787	673	782	717
South Carolina	6,681	6,574	6,878	6,961	7,457	6,771	6,820
South Dakota	3,359	3,417	3,503	3,600	3,725	4,079	4,158
Tennessee	9,000	8,705	9,014	9,241	10,346	10,749	11,624
Texas	135,899	129,458	133,904	129,422	135,561	127,448	140,888
Utah	3,030	3,184	3,243	3,302	3,209	3,701	3,745
Vermont	129	132	138	141	188	174	176
Virginia	6,056	6,467	6,540	6,788	7,062	6,908	7,376
Washington	6,003	5,945	5,847	6,377	6,937	7,061	7,595
West Virginia	1,860	2,105	2,181	2,486	2,625	2,548	2,793
Wisconsin	8,528	8,348	9,177	11,065	14,074	15,433	17,020
Wyoming	3,409	3,576	3,726	3,900	4,159	4,046	4,313
Total	605,051	585,811	606,067	627,785	680,634	659,190	722,327

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.^R Revised data.

- Not applicable.

^{NA} Not available.**Notes:** Geographic coverage is the 50 states and the District of Columbia. See Appendix A, Explanatory Note 6, for discussion of computations and revision policy.**Source:** Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2014-2016
(million cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	353,758	333,678	281,474	31,957	40,581	43,495	44,559	39,282
Alaska	18,811	23,222	26,186	1,732	1,952	2,201	2,046	1,757
Arizona	233,306	214,290	182,012	20,800	28,581	36,060	35,959	31,064
Arkansas	118,337	96,567	62,762	9,109	9,206	16,404	16,339	17,250
California	566,436	694,191	704,208	62,796	64,378	79,719	73,353	63,265
Colorado	82,445	74,753	78,649	5,843	6,766	10,128	11,678	10,292
Connecticut	102,972	98,371	82,100	9,510	9,817	12,141	11,476	9,275
Delaware	48,107	40,204	37,937	5,343	5,237	7,105	7,425	6,001
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,028,563	978,770	898,765	96,935	108,800	122,107	122,348	114,263
Georgia	329,376	300,676	240,987	26,062	31,785	41,364	43,097	39,628
Hawaii	--	--	--	--	--	--	--	--
Idaho	21,382	22,710	15,714	1,367	2,672	3,699	2,553	2,013
Illinois	130,257	68,809	36,368	11,845	13,105	20,433	23,039	13,259
Indiana	131,320	102,621	65,469	11,302	11,938	16,126	15,793	13,958
Iowa	18,938	15,365	8,537	943	1,250	3,632	3,173	2,136
Kansas	18,194	W	16,102	1,360	2,732	2,845	3,156	3,117
Kentucky	57,302	43,390	23,354	4,730	5,455	7,623	8,026	6,732
Louisiana	292,079	282,111	229,807	22,890	28,502	31,967	38,709	33,611
Maine	20,472	14,207	20,058	1,770	1,834	3,562	3,252	1,770
Maryland	47,704	33,987	18,197	3,309	5,415	10,341	9,671	3,730
Massachusetts	141,141	138,499	120,193	9,492	14,211	21,413	21,351	17,569
Michigan	211,487	143,588	94,486	16,858	18,002	31,142	26,069	21,586
Minnesota	59,462	45,215	24,869	3,282	3,334	10,321	8,572	6,098
Mississippi	318,622	280,182	198,264	27,273	36,325	37,852	39,657	36,139
Missouri	45,424	W	29,959	3,150	4,847	6,891	7,273	6,992
Montana	W	W	4,638	W	618	1,053	888	672
Nebraska	5,482	W	3,691	469	291	1,121	1,103	1,391
Nevada	177,992	173,729	140,026	15,257	17,112	21,887	22,567	21,319
New Hampshire	28,563	36,172	26,217	2,362	3,909	4,582	4,147	2,854
New Jersey	286,008	242,985	207,792	27,479	30,080	41,241	39,592	30,423
New Mexico	71,396	65,434	64,562	7,192	7,238	8,609	9,226	7,705
New York	415,746	410,652	384,537	32,497	45,087	64,388	59,588	44,619
North Carolina	248,152	224,252	167,684	18,622	24,204	30,092	29,131	23,889
North Dakota	W	W	1,569	691	828	1,316	1,159	900
Ohio	180,590	177,342	146,411	14,278	18,192	23,137	22,704	17,398
Oklahoma	237,071	211,200	178,816	18,560	25,574	29,527	33,629	31,430
Oregon	92,323	90,997	72,176	7,767	13,139	14,264	10,466	7,951
Pennsylvania	423,151	367,556	326,618	39,496	47,279	57,627	57,177	47,122
Rhode Island	41,233	42,695	39,395	2,968	4,440	5,692	5,963	4,761
South Carolina	112,154	109,683	75,237	10,993	13,847	14,771	15,786	12,229
South Dakota	6,783	W	2,812	474	556	1,141	1,037	748
Tennessee	76,061	58,216	37,819	6,423	8,879	10,415	10,109	9,257
Texas	1,351,323	1,413,019	1,217,143	111,654	144,548	174,918	170,989	151,685
Utah	50,477	46,220	49,103	4,013	4,418	6,023	6,320	6,069
Vermont	11	17	28	2	3	3	1	--
Virginia	249,381	203,719	136,663	18,007	27,967	36,248	36,703	29,100
Washington	73,391	77,436	71,596	5,017	10,718	12,267	9,739	6,147
West Virginia	9,755	11,990	6,178	1,656	1,150	686	680	1,309
Wisconsin	107,146	83,631	49,148	5,219	8,029	15,109	14,078	11,530
Wyoming	W	W	507	W	W	W	W	W
Total	8,656,518	8,162,430	6,906,821	741,254	914,967	1,155,039	1,141,638	971,470

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2014-2016

(million cubic feet) – continued

State	2016					Total	2015	
	May	April	March	February	January		December	November
Alabama	33,335	26,636	30,746	29,216	33,949	397,961	33,249	31,034
Alaska	1,787	1,674	1,763	1,817	2,081	27,722	2,336	2,164
Arizona	20,259	18,622	14,126	12,550	15,284	249,477	17,515	17,672
Arkansas	12,184	10,510	12,772	5,899	8,663	108,755	6,754	5,434
California	40,612	37,555	37,295	47,120	60,342	816,787	63,111	59,484
Colorado	7,740	8,612	7,311	6,294	7,781	92,757	8,346	9,658
Connecticut	10,263	11,348	8,938	9,698	10,507	119,305	11,119	9,814
Delaware	3,953	4,602	3,856	2,385	2,200	44,725	2,190	2,330
District of Columbia	--	--	--	--	--	--	--	--
Florida	106,956	99,999	90,925	79,470	86,759	1,160,140	89,587	91,782
Georgia	33,268	30,528	29,410	25,637	28,597	354,090	25,887	27,527
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,407	630	1,766	2,398	2,877	27,790	2,840	2,240
Illinois	9,673	9,628	12,110	8,898	8,269	83,570	7,753	7,008
Indiana	13,693	9,428	13,879	11,811	13,392	127,365	13,305	11,439
Iowa	2,441	784	1,458	1,482	1,639	17,518	1,623	530
Kansas	1,685	1,105	1,018	510	667	16,614	804	W
Kentucky	4,992	4,493	6,026	3,711	5,514	52,015	3,312	5,312
Louisiana	30,795	25,600	27,303	24,777	27,924	342,742	31,279	29,353
Maine	1,920	1,409	607	1,896	2,451	17,447	1,427	1,813
Maryland	3,879	3,569	4,203	2,295	1,292	39,632	2,457	3,188
Massachusetts	15,482	11,546	10,627	9,811	9,641	156,492	9,618	8,375
Michigan	22,487	23,167	18,921	16,878	16,379	174,770	16,664	14,519
Minnesota	6,207	5,859	5,186	5,210	5,395	54,054	5,725	3,113
Mississippi	31,831	22,528	26,527	29,688	30,803	331,496	25,574	25,741
Missouri	4,019	4,784	2,543	2,547	2,379	40,109	2,899	2,409
Montana	594	W	572	577	640	7,847	777	666
Nebraska	313	458	148	101	87	4,634	137	160
Nevada	17,106	14,939	15,241	14,624	17,941	207,145	18,135	15,282
New Hampshire	3,009	3,609	749	1,145	2,196	42,673	2,706	3,795
New Jersey	24,014	23,971	24,419	21,012	23,777	290,843	23,354	24,504
New Mexico	6,387	6,357	6,066	5,806	6,810	77,947	6,933	5,581
New York	39,743	33,274	32,185	30,295	34,072	475,658	31,355	33,652
North Carolina	21,936	23,986	28,159	24,825	23,308	268,925	22,474	22,200
North Dakota	717	W	683	723	733	3,671	W	W
Ohio	11,353	16,438	18,110	19,207	19,773	210,460	17,199	15,918
Oklahoma	22,840	20,250	17,686	16,020	21,554	254,706	23,024	20,482
Oregon	5,247	4,821	8,641	9,596	10,432	113,988	11,609	11,382
Pennsylvania	35,691	33,444	36,647	33,433	35,235	439,248	35,621	36,071
Rhode Island	5,004	2,937	4,496	2,530	2,442	50,110	3,081	4,334
South Carolina	10,143	6,915	9,940	7,877	9,653	135,239	11,601	13,955
South Dakota	598	679	539	549	461	7,083	656	521
Tennessee	6,235	5,147	6,915	6,325	6,355	69,830	6,156	5,458
Texas	132,544	117,577	119,895	105,021	122,490	1,646,330	123,103	110,207
Utah	5,071	5,258	4,401	4,108	4,796	55,797	5,002	4,575
Vermont	2	*	1	--	*	19	1	1
Virginia	21,704	13,489	20,292	22,753	23,118	243,116	22,839	16,558
Washington	5,069	2,825	4,497	7,345	9,768	97,300	9,481	10,383
West Virginia	1,666	1,100	1,074	226	208	13,277	522	765
Wisconsin	9,679	9,685	13,288	10,291	10,238	101,211	9,879	7,700
Wyoming	W	W	W	W	W	706	W	W
Total	807,688	722,936	744,074	686,483	770,968	9,671,095	771,355	737,310

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2014-2016
(million cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	31,534	33,356	37,742	39,373	36,860	32,480	24,780	30,436
Alaska	2,096	1,863	2,116	2,365	2,311	1,781	2,907	2,470
Arizona	24,561	31,091	38,244	33,842	30,537	13,238	13,368	9,409
Arkansas	4,130	8,552	12,523	12,805	9,865	7,343	8,745	10,498
California	84,917	89,295	91,733	86,319	74,951	51,799	52,877	53,804
Colorado	8,172	9,582	10,114	9,620	8,089	5,015	5,970	6,214
Connecticut	10,291	10,504	12,188	11,619	9,406	8,748	8,839	8,474
Delaware	3,068	4,903	5,119	5,710	4,509	4,886	5,269	2,110
District of Columbia	--	--	--	--	--	--	--	--
Florida	100,028	105,993	113,372	111,305	105,902	101,485	98,620	86,390
Georgia	29,598	30,621	35,927	39,940	33,576	27,974	22,117	25,712
Hawaii	--	--	--	--	--	--	--	--
Idaho	2,500	2,930	3,645	3,230	3,481	2,082	1,276	857
Illinois	6,560	8,788	7,957	11,120	7,075	4,727	5,221	5,789
Indiana	8,711	7,942	10,138	10,486	9,343	9,238	9,110	12,997
Iowa	918	1,750	2,364	3,063	1,746	875	728	1,257
Kansas	W	1,662	2,353	3,425	1,970	1,189	1,027	1,124
Kentucky	6,074	4,867	4,798	6,310	3,656	3,415	3,307	3,123
Louisiana	29,252	27,504	33,927	36,977	33,989	27,800	24,960	23,525
Maine	2,483	1,538	1,839	1,132	573	745	947	1,787
Maryland	2,959	4,162	4,947	6,571	4,315	4,383	2,652	1,497
Massachusetts	13,391	16,586	23,001	22,583	14,822	15,056	11,249	7,951
Michigan	15,441	14,817	14,732	17,544	14,362	12,526	10,626	14,651
Minnesota	3,400	6,416	6,314	7,274	4,664	2,150	4,395	4,687
Mississippi	23,923	26,810	32,206	34,848	32,210	26,239	20,086	26,796
Missouri	1,850	3,641	5,682	6,523	4,316	1,856	2,444	W
Montana	714	770	803	918	705	482	498	535
Nebraska	W	505	890	1,257	686	201	242	164
Nevada	18,088	20,109	22,904	20,722	21,244	15,320	15,970	13,336
New Hampshire	3,375	3,922	4,622	4,211	3,618	3,865	3,308	3,393
New Jersey	24,677	29,675	29,355	30,618	24,861	24,474	18,160	22,976
New Mexico	6,330	6,895	8,798	8,114	6,787	4,441	5,744	6,183
New York	39,937	49,022	54,763	54,290	40,290	38,846	29,269	39,410
North Carolina	19,195	23,579	24,881	25,946	26,406	23,825	19,201	19,153
North Dakota	W	433	492	497	W	W	W	W
Ohio	13,838	17,928	19,618	20,417	18,226	15,180	13,132	19,948
Oklahoma	16,289	20,143	27,950	30,396	22,126	17,107	16,903	18,885
Oregon	10,746	11,754	11,616	12,013	10,573	8,295	8,202	6,047
Pennsylvania	38,145	39,738	47,480	47,934	38,101	31,222	31,691	34,488
Rhode Island	3,864	3,507	7,037	6,902	6,135	5,728	2,475	3,176
South Carolina	12,777	11,768	13,664	14,943	14,514	9,903	9,540	8,308
South Dakota	396	519	943	1,216	769	572	332	W
Tennessee	4,574	6,133	6,002	7,594	7,026	6,508	4,485	4,226
Texas	131,222	151,139	185,654	181,401	147,288	124,315	118,966	128,933
Utah	4,387	5,171	6,238	5,768	5,443	4,572	3,905	3,298
Vermont	*	1	*	*	1	6	*	1
Virginia	11,752	22,109	26,163	29,071	26,215	22,115	12,719	18,261
Washington	11,239	10,914	10,802	12,265	9,569	6,016	4,616	4,762
West Virginia	1,541	1,742	1,873	2,142	1,614	1,213	806	362
Wisconsin	7,455	9,104	8,982	11,015	8,205	7,133	6,523	8,768
Wyoming	W	W	W	W	W	W	W	W
Total	797,631	901,839	1,034,595	1,053,747	893,343	738,628	668,471	709,358

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015			2014				
	February	January	Total	December	November	October	September	August
Alabama	31,501	35,616	346,065	31,210	33,380	30,282	32,493	34,915
Alaska	2,367	2,945	31,944	2,938	2,821	2,482	1,956	2,536
Arizona	8,635	11,365	205,697	9,510	14,175	19,861	27,212	29,903
Arkansas	12,257	9,850	71,796	5,420	3,615	4,496	5,758	7,681
California	46,614	61,882	831,522	66,095	61,219	85,776	86,626	82,009
Colorado	5,508	6,471	96,589	8,781	9,159	9,101	8,810	8,419
Connecticut	7,570	10,731	100,359	9,836	8,423	6,987	8,075	10,589
Delaware	1,594	3,037	46,136	3,960	4,239	3,865	4,807	5,538
District of Columbia	--	--	--	--	--	--	--	--
Florida	74,272	81,404	1,036,754	70,656	67,333	90,571	96,134	112,988
Georgia	25,962	29,248	289,972	24,167	24,819	29,677	28,534	32,954
Hawaii	--	--	--	--	--	--	--	--
Idaho	438	2,272	18,370	1,155	1,502	1,219	2,401	2,804
Illinois	5,612	5,960	42,538	3,329	2,842	4,129	3,675	5,892
Indiana	13,294	11,362	82,361	7,923	8,969	6,445	4,604	6,195
Iowa	1,309	1,354	10,497	1,303	656	1,118	849	1,780
Kansas	947	483	18,443	1,014	1,327	1,064	1,311	2,365
Kentucky	5,559	2,282	26,793	1,369	2,070	469	684	1,050
Louisiana	22,235	21,942	264,668	16,158	18,704	21,314	23,710	31,222
Maine	1,294	1,871	23,848	1,641	2,150	1,138	1,235	1,999
Maryland	1,389	1,114	20,403	1,127	1,080	1,607	1,957	3,302
Massachusetts	6,635	7,223	134,858	6,710	7,955	14,158	13,601	16,923
Michigan	14,668	14,221	111,819	9,891	7,442	8,810	8,196	10,028
Minnesota	3,496	2,419	30,437	3,340	2,228	4,479	1,595	3,187
Mississippi	30,519	26,543	236,533	21,399	16,870	19,833	20,174	24,474
Missouri	2,992	2,715	35,127	2,531	2,638	4,282	2,850	4,483
Montana	W	557	5,662	361	663	361	137	530
Nebraska	W	185	4,189	277	222	326	212	642
Nevada	13,116	12,919	166,727	13,724	12,978	15,912	18,219	18,769
New Hampshire	2,236	3,622	31,240	3,040	1,982	3,500	3,344	3,286
New Jersey	18,435	19,752	249,676	21,023	20,861	21,511	23,557	25,134
New Mexico	5,514	6,628	76,973	6,608	5,803	5,038	5,816	8,695
New York	29,469	35,355	452,796	35,477	32,781	35,619	42,923	46,926
North Carolina	20,073	21,994	205,740	21,159	16,897	12,550	19,600	20,536
North Dakota	W	W	1,888	175	145	227	138	242
Ohio	19,594	19,461	175,221	17,339	11,471	9,195	16,891	19,286
Oklahoma	20,710	20,692	207,577	15,993	12,768	14,937	15,559	25,905
Oregon	3,597	8,155	90,098	8,616	9,306	9,801	11,064	10,633
Pennsylvania	26,179	32,578	388,056	34,137	27,301	39,288	37,837	40,206
Rhode Island	1,716	2,157	44,867	2,877	2,595	4,151	5,360	5,632
South Carolina	7,075	7,192	87,330	6,278	5,815	6,374	6,778	9,243
South Dakota	495	516	3,865	687	366	186	24	704
Tennessee	6,914	4,753	45,083	3,144	4,120	2,556	3,553	5,261
Texas	115,697	128,404	1,425,134	107,524	100,467	118,033	135,001	171,985
Utah	3,411	4,026	58,780	4,665	5,012	4,970	5,262	6,378
Vermont	2	5	36	4	3	3	3	3
Virginia	17,633	17,681	159,155	12,151	10,341	7,568	15,157	15,657
Washington	2,245	5,010	84,531	6,452	6,483	9,509	12,192	12,308
West Virginia	436	260	6,711	215	319	1,268	732	660
Wisconsin	8,652	7,795	60,285	5,251	5,885	7,245	4,192	5,929
Wyoming	W	W	831	128	195	95	148	22
Total	650,586	714,235	8,145,982	638,769	600,392	703,390	770,947	897,806

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2014-2016

(million cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	30,843	30,018	27,325	18,805	26,747	18,406	31,639
Alaska	2,728	2,866	2,668	2,512	2,734	2,738	2,965
Arizona	31,950	22,799	14,062	9,439	5,744	10,276	10,767
Arkansas	6,783	8,150	6,338	5,553	6,071	4,512	7,420
California	80,285	56,205	57,046	56,546	58,980	68,285	72,448
Colorado	10,115	7,907	8,022	5,348	8,235	6,349	6,343
Connecticut	11,242	8,922	7,959	8,610	7,025	6,610	6,081
Delaware	5,636	4,589	3,121	3,066	3,304	2,005	2,006
District of Columbia	--	--	--	--	--	--	--
Florida	104,729	95,806	94,357	87,132	78,226	60,860	77,962
Georgia	28,806	26,583	22,444	17,644	18,337	14,144	21,864
Hawaii	--	--	--	--	--	--	--
Idaho	2,136	595	998	246	404	2,196	2,715
Illinois	3,248	4,657	5,096	1,418	1,901	1,231	5,120
Indiana	5,666	5,188	6,189	3,991	8,008	8,477	10,707
Iowa	862	917	1,200	477	202	366	765
Kansas	2,077	1,748	2,396	1,385	751	1,394	1,611
Kentucky	1,283	1,117	1,472	3,765	4,130	3,233	6,149
Louisiana	25,739	25,736	26,121	20,257	14,597	17,820	23,291
Maine	3,650	3,014	1,161	1,818	1,489	1,910	2,644
Maryland	3,204	2,496	1,776	873	1,363	706	913
Massachusetts	18,972	13,430	11,372	11,199	5,715	7,518	7,304
Michigan	6,490	9,446	9,188	8,060	9,232	11,885	13,150
Minnesota	1,947	2,751	3,589	1,218	1,454	1,599	3,050
Mississippi	20,673	21,040	20,926	11,924	17,164	17,490	24,566
Missouri	3,831	2,414	2,943	1,547	1,816	2,363	3,430
Montana	190	374	126	771	985	705	459
Nebraska	527	305	821	517	152	90	99
Nevada	19,844	14,199	12,254	10,865	8,888	9,986	11,091
New Hampshire	3,971	2,843	2,973	3,350	1,961	406	582
New Jersey	28,822	23,065	19,254	15,117	18,515	17,140	15,678
New Mexico	7,728	7,445	6,681	6,109	6,144	4,983	5,923
New York	51,020	43,321	31,762	29,045	36,044	34,274	33,604
North Carolina	20,999	20,914	16,523	15,341	14,737	8,679	17,808
North Dakota	175	150	207	87	72	103	166
Ohio	16,219	15,108	13,816	11,354	15,733	13,408	15,401
Oklahoma	21,082	16,771	14,599	15,823	13,308	20,291	20,542
Oregon	8,115	2,521	2,766	2,313	2,874	10,414	11,675
Pennsylvania	41,086	35,815	29,362	21,770	28,277	24,912	28,065
Rhode Island	5,893	4,891	3,650	3,516	1,919	1,842	2,542
South Carolina	10,246	8,498	8,914	7,676	6,547	4,231	6,730
South Dakota	782	74	317	207	46	146	326
Tennessee	4,642	5,288	4,954	2,130	1,466	1,773	6,195
Texas	151,814	131,526	111,872	99,834	94,692	94,715	107,671
Utah	7,018	5,848	4,050	3,310	3,829	3,888	4,552
Vermont	3	3	2	1	4	3	4
Virginia	17,106	16,051	15,387	10,055	12,646	13,592	13,443
Washington	8,091	2,381	2,623	2,674	4,229	8,191	9,398
West Virginia	598	347	246	74	479	723	1,050
Wisconsin	4,401	4,586	5,973	4,097	3,596	4,203	4,926
Wyoming	35	30	32	29	36	39	41
Total	843,303	720,750	646,929	548,899	560,808	551,109	662,881

^a The electric power sector comprises electricity-only (utilities and independent power producers) and combined-heat-and-power plants within the NAICS 22 sector, whose primary business is to sell electricity, or electricity and heat, to the public.

-- Not applicable.

^w Withheld.

* Volume is less than 500,000 cubic feet.

Notes: Geographic coverage is the 50 states and the District of Columbia. See Appendix A, Explanatory Note 6, for discussion of computations and revision policy.

Source: Energy Information Administration (EIA): Form EIA-923, "Power Plant Operations Report."

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016

(million cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	551,547	537,402	486,483	49,252	56,230	59,870	60,943	56,589
Alaska	46,311	54,839	57,221	5,385	4,082	3,639	3,399	3,319
Arizona	303,583	280,900	251,131	26,095	33,303	40,450	40,363	36,029
Arkansas	238,734	232,463	204,940	19,714	18,829	25,977	25,368	26,475
California	1,715,495	1,819,064	1,871,271	167,287	170,941	189,915	176,214	164,182
Colorado	275,531	258,864	275,436	20,751	17,062	19,714	21,124	20,150
Connecticut	NA	205,691	185,553	16,856	15,371	NA	NA	14,458
Delaware	91,224	86,428	80,788	9,275	8,687	10,427	10,826	9,102
District of Columbia	21,104	25,729	24,632	1,303	945	981	999	983
Florida	1,179,995	1,123,043	1,040,692	111,215	122,472	135,696	136,203	127,353
Georgia	583,797	572,487	517,190	46,437	49,190	59,173	60,815	57,546
Hawaii	2,527	2,445	2,437	250	264	264	255	240
Idaho	77,928	74,496	68,232	7,184	6,827	7,160	6,268	5,396
Illinois	NA	773,411	823,047	59,492	47,750	53,438	NA	NA
Indiana	580,884	579,312	555,173	44,693	44,149	48,840	49,010	47,485
Iowa	248,312	250,027	248,667	22,145	18,465	20,865	20,344	18,931
Kansas	NA	172,972	192,489	13,205	13,064	16,209	15,897	14,671
Kentucky	209,424	207,712	190,826	16,771	15,635	18,134	18,006	16,824
Louisiana	1,201,658	1,118,592	1,085,935	111,453	115,595	122,100	129,814	121,437
Maine	NA	42,531	49,482	4,064	NA	5,414	5,109	NA
Maryland	NA	172,286	155,722	NA	11,016	15,784	15,193	9,761
Massachusetts	337,192	366,380	338,488	25,381	23,440	30,199	30,090	26,938
Michigan	693,190	671,262	650,759	53,832	42,523	53,008	47,563	44,731
Minnesota	NA	334,867	354,362	26,273	NA	27,532	25,887	23,189
Mississippi	NA	416,403	334,271	37,497	46,590	48,962	50,745	NA
Missouri	NA	212,440	227,209	NA	13,316	15,137	15,619	15,584
Montana	NA	50,209	52,982	NA	NA	NA	NA	NA
Nebraska	120,820	123,728	129,618	10,429	10,051	11,552	10,918	10,204
Nevada	NA	237,565	203,823	20,892	NA	NA	NA	26,088
New Hampshire	NA	57,180	46,237	3,599	4,901	5,482	5,053	NA
New Jersey	NA	627,004	607,340	NA	49,369	58,971	59,536	50,622
New Mexico	126,661	121,279	121,820	11,333	10,635	11,702	12,381	11,184
New York	1,040,235	1,115,455	1,058,418	79,099	76,147	96,741	92,474	78,577
North Carolina	424,626	408,402	355,527	32,404	35,848	42,364	40,567	35,425
North Dakota	49,103	46,553	44,462	5,321	4,264	3,839	3,828	4,157
Ohio	708,023	778,186	783,074	54,891	47,386	52,026	50,536	46,353
Oklahoma	461,535	438,060	429,336	37,358	42,446	48,075	52,142	50,148
Oregon	186,493	178,788	168,758	17,454	19,947	20,429	16,712	14,447
Pennsylvania	NA	886,314	832,697	NA	75,530	87,472	85,572	76,409
Rhode Island	69,098	76,302	71,275	5,182	5,797	6,775	7,030	5,993
South Carolina	222,116	220,419	186,011	20,424	22,445	23,406	24,087	20,940
South Dakota	NA	58,648	58,383	5,158	4,684	NA	4,936	4,670
Tennessee	259,835	251,977	235,444	20,575	21,445	23,062	22,501	22,010
Texas	NA	3,051,415	2,876,186	268,241	299,484	NA	NA	NA
Utah	154,563	138,895	153,587	12,098	10,563	11,175	12,114	11,664
Vermont	NA	9,613	8,185	819	588	567	576	566
Virginia	NA	403,812	326,343	NA	39,911	47,740	48,171	41,502
Washington	228,653	224,457	232,862	21,532	22,221	22,238	19,923	16,660
West Virginia	70,892	72,302	69,101	7,047	5,358	4,721	4,939	5,199
Wisconsin	378,102	366,617	356,229	26,869	23,356	30,219	28,491	26,947
Wyoming	NA	56,192	57,429	5,836	4,798	4,807	4,680	4,900
Total	20,653,179	20,591,418	19,737,563	1,752,054	1,782,248	2,032,410	2,010,151	1,832,446

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016

(million cubic feet) – continued

State	2016					Total	2015	
	May	April	March	February	January		December	November
Alabama	52,226	45,585	51,971	54,477	64,403	642,961	54,905	50,654
Alaska	3,739	4,286	5,551	5,882	7,029	69,642	7,912	6,892
Arizona	25,972	25,246	21,860	23,678	30,588	337,347	30,546	25,902
Arkansas	22,346	21,580	26,570	23,250	28,625	274,727	23,235	19,028
California	146,103	145,554	161,293	172,050	221,957	2,247,961	234,012	194,884
Colorado	23,616	30,315	35,464	38,677	48,659	348,183	49,108	40,211
Connecticut	17,321	21,402	21,864	27,237	29,301	248,366	22,980	19,695
Delaware	7,766	8,823	8,771	8,440	9,107	100,842	7,513	6,900
District of Columbia	1,430	2,074	2,466	4,776	5,148	31,502	3,143	2,631
Florida	121,481	115,400	107,454	96,862	105,858	1,334,385	105,479	105,863
Georgia	53,234	52,837	57,094	67,585	79,886	684,971	56,568	55,916
Hawaii	243	256	248	247	259	2,922	250	227
Idaho	5,617	5,422	9,204	11,063	13,786	99,811	13,907	11,409
Illinois	54,754	75,957	97,925	127,574	150,729	966,018	107,693	84,914
Indiana	53,081	55,618	66,122	79,192	92,692	710,564	71,835	59,417
Iowa	R21,011	R22,807	R28,787	R34,426	R40,532	308,324	32,862	25,435
Kansas	NA	R14,624	R18,537	R23,559	30,564	216,014	25,014	18,027
Kentucky	17,231	18,455	24,366	28,846	35,157	252,877	22,855	22,310
Louisiana	121,883	114,988	120,013	114,357	130,017	1,357,572	123,012	115,968
Maine	NA	NA	NA	NA	NA	51,191	4,275	4,385
Maryland	12,492	15,646	19,664	26,802	31,097	207,716	18,805	16,625
Massachusetts	29,865	34,422	39,445	46,939	50,473	433,907	36,397	31,129
Michigan	55,832	80,371	88,231	108,686	118,412	826,917	85,543	70,111
Minnesota	25,690	NA	44,935	NA	NA	422,112	51,546	35,699
Mississippi	43,626	NA	38,807	45,335	49,951	496,388	40,342	39,644
Missouri	14,844	18,382	22,697	33,852	42,578	262,812	29,364	21,008
Montana	4,443	NA	NA	7,307	9,295	67,159	9,224	7,727
Nebraska	R9,472	R10,904	R12,625	R15,590	R19,075	154,420	17,040	13,653
Nevada	22,788	21,360	23,087	25,038	32,328	292,860	31,083	24,211
New Hampshire	NA	NA	NA	NA	5,947	68,609	5,390	6,040
New Jersey	48,734	58,979	68,583	82,039	97,065	746,777	63,365	56,408
New Mexico	10,541	11,399	13,140	15,153	19,193	154,224	18,841	14,104
New York	R84,948	R102,022	R118,106	R146,947	R165,176	1,326,168	111,673	99,041
North Carolina	34,982	39,758	46,885	55,929	60,463	493,801	42,774	42,625
North Dakota	4,325	3,917	5,648	6,183	7,621	58,201	6,170	5,478
Ohio	50,174	73,089	85,084	114,448	134,036	938,930	87,546	73,198
Oklahoma	44,123	41,309	42,369	44,391	59,173	541,224	55,974	47,190
Oregon	12,866	13,502	21,222	22,608	27,307	232,158	28,039	25,331
Pennsylvania	72,085	82,470	95,541	117,669	133,177	1,068,687	95,829	86,544
Rhode Island	7,025	6,203	8,516	7,975	8,602	90,891	6,915	7,674
South Carolina	19,651	17,497	21,565	23,829	28,273	270,601	24,390	25,792
South Dakota	5,090	6,133	6,702	7,671	8,823	73,362	8,090	6,624
Tennessee	20,020	20,972	27,247	37,176	44,827	305,092	28,917	24,198
Texas	281,584	271,540	291,515	287,939	332,495	3,639,217	315,333	272,469
Utah	13,165	16,067	17,988	22,060	27,668	187,605	27,899	20,811
Vermont	652	NA	1,101	1,459	1,695	11,814	1,173	1,028
Virginia	35,734	31,264	42,270	53,524	60,537	484,734	44,396	36,526
Washington	16,868	16,420	25,527	29,236	38,028	296,358	37,216	34,685
West Virginia	5,815	6,848	8,721	10,183	12,061	86,593	7,416	6,876
Wisconsin	29,330	39,792	49,666	57,342	66,091	455,096	49,589	38,889
Wyoming	R6,038	NA	NA	R7,473	R8,535	72,916	9,340	7,384
Total	R1,794,760	R1,913,275	R2,173,850	R2,469,836	R2,892,150	25,053,530	2,392,722	2,069,390

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	49,410	50,245	54,988	57,075	53,437	50,554	42,142	52,437
Alaska	5,288	4,451	3,768	3,915	3,850	4,209	6,324	7,352
Arizona	29,635	35,525	42,566	38,370	35,446	19,112	19,839	17,432
Arkansas	14,993	18,137	22,054	22,228	19,318	17,712	20,592	28,589
California	186,153	188,710	198,391	192,293	175,938	163,283	165,093	168,376
Colorado	22,665	19,007	18,985	18,838	18,092	21,914	24,475	31,756
Connecticut	17,358	15,681	17,414	16,767	14,710	15,290	20,133	27,483
Delaware	6,916	7,972	8,362	8,947	7,692	8,416	9,831	8,862
District of Columbia	1,872	1,147	1,108	1,051	1,150	1,257	1,949	4,306
Florida	113,989	118,347	125,914	124,432	119,224	115,263	113,144	101,972
Georgia	52,489	49,214	54,775	58,873	52,157	48,145	43,166	57,023
Hawaii	239	232	239	242	244	228	254	252
Idaho	7,662	6,873	7,042	6,456	7,059	6,443	6,583	6,971
Illinois	57,574	43,492	42,342	46,090	42,029	46,909	67,759	112,117
Indiana	47,975	39,803	42,445	43,269	41,485	45,278	51,908	77,530
Iowa	21,652	18,212	18,908	19,651	18,577	19,581	21,913	30,517
Kansas	13,375	12,842	15,507	16,099	12,782	12,215	13,388	19,942
Kentucky	18,353	15,435	15,694	16,842	14,254	14,566	17,009	25,949
Louisiana	112,509	108,810	117,522	117,081	112,740	111,422	104,903	107,129
Maine	4,894	3,611	3,870	3,189	2,680	2,947	3,956	5,781
Maryland	12,834	9,828	10,463	12,316	10,128	10,703	13,739	25,620
Massachusetts	29,657	25,693	31,624	31,449	24,430	26,713	33,166	48,863
Michigan	54,392	37,523	37,227	39,331	37,128	41,913	60,901	98,836
Minnesota	27,050	22,875	22,081	22,421	20,431	21,217	32,533	46,520
Mississippi	37,359	38,613	43,495	46,155	43,778	37,675	31,901	41,991
Missouri	13,199	11,960	13,981	14,752	12,603	11,404	18,106	33,925
Montana	4,718	3,600	3,660	3,282	3,185	3,979	4,952	6,256
Nebraska	10,155	8,664	9,740	11,073	9,402	9,805	10,966	13,910
Nevada	23,070	24,570	27,370	24,970	26,056	20,870	22,395	21,001
New Hampshire	4,641	4,926	5,573	5,203	4,694	5,020	5,348	6,982
New Jersey	46,188	45,403	45,176	47,812	41,731	44,949	59,327	92,127
New Mexico	10,676	10,137	12,154	11,297	10,533	8,933	10,762	13,356
New York	86,215	79,161	85,884	84,705	72,085	78,894	95,756	165,819
North Carolina	35,105	35,545	36,713	37,315	38,201	35,765	33,993	41,817
North Dakota	4,432	3,657	3,529	2,971	3,307	4,064	4,298	5,925
Ohio	55,280	45,637	48,179	49,618	48,997	51,954	71,113	120,132
Oklahoma	36,076	38,004	44,220	45,431	37,815	36,946	37,119	46,576
Oregon	18,420	18,235	17,542	17,829	16,730	15,976	18,469	16,821
Pennsylvania	78,652	67,108	73,702	74,612	66,802	63,923	79,513	117,862
Rhode Island	6,249	4,840	8,375	8,259	7,616	7,400	5,628	9,189
South Carolina	22,864	20,308	22,307	23,409	22,960	18,946	19,258	21,226
South Dakota	4,860	4,497	5,007	5,209	4,942	5,102	5,493	6,329
Tennessee	18,784	18,247	17,841	19,261	19,189	19,168	19,714	29,720
Texas	280,076	294,187	335,841	332,168	294,230	276,196	272,306	316,962
Utah	10,851	10,250	11,742	11,351	11,805	12,967	14,563	14,589
Vermont	876	566	544	587	569	500	895	1,493
Virginia	27,460	34,375	37,663	40,618	37,847	34,819	29,214	47,088
Washington	25,461	22,122	20,118	21,456	19,639	18,108	21,000	23,696
West Virginia	6,220	4,954	4,941	5,157	4,777	4,894	6,427	10,765
Wisconsin	29,319	23,616	23,421	25,140	22,377	24,878	33,060	50,438
Wyoming	5,006	4,538	4,349	4,606	4,767	5,383	5,822	6,510
Total	1,811,143	1,731,389	1,876,359	1,891,471	1,731,619	1,683,806	1,832,097	2,394,119

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016

(million cubic feet) – continued

State	2015				2014			
	February	January	Total	December	November	October	September	August
Alabama	61,057	66,057	600,643	56,399	57,761	49,050	49,380	51,590
Alaska	7,022	8,659	72,459	7,957	7,281	6,422	4,398	4,267
Arizona	17,874	25,102	293,221	20,524	21,566	25,160	31,954	34,547
Arkansas	35,096	33,744	249,425	25,372	19,113	16,315	16,083	17,685
California	165,790	215,036	2,270,834	218,289	181,273	191,905	193,409	193,331
Colorado	37,147	45,986	365,353	46,897	43,020	25,138	19,163	16,776
Connecticut	28,851	32,004	231,163	25,507	20,103	13,510	13,102	15,637
Delaware	8,719	10,713	100,338	10,246	9,304	7,536	7,967	8,582
District of Columbia	5,602	6,285	32,543	4,427	3,484	1,626	1,073	1,078
Florida	91,489	99,269	1,210,787	87,443	82,652	104,194	108,448	125,105
Georgia	76,097	80,548	645,431	64,442	63,798	51,911	47,009	51,275
Hawaii	237	278	2,915	251	227	233	232	240
Idaho	7,480	11,926	88,145	10,163	9,750	5,948	5,901	5,931
Illinois	158,479	156,620	1,062,904	124,886	114,971	63,812	44,941	42,266
Indiana	95,657	93,962	705,784	77,098	73,513	48,693	39,587	39,624
Iowa	40,554	40,462	316,676	34,956	33,053	22,297	16,247	17,116
Kansas	27,342	29,481	244,318	27,703	24,126	13,594	12,158	15,152
Kentucky	36,526	33,084	241,037	25,903	24,307	14,020	11,657	11,658
Louisiana	108,232	118,244	1,300,551	107,512	107,104	104,595	101,294	113,813
Maine	5,330	6,273	59,356	4,817	5,057	3,503	3,553	4,205
Maryland	33,717	32,940	200,758	24,936	20,099	10,322	8,058	9,114
Massachusetts	57,377	57,408	413,860	40,965	34,407	28,321	23,092	25,776
Michigan	133,963	130,049	834,217	97,179	86,279	52,451	34,192	31,913
Minnesota	60,554	59,185	461,598	58,085	49,151	31,291	20,911	21,266
Mississippi	48,766	46,670	404,969	38,450	32,249	32,501	31,511	35,920
Missouri	42,379	40,131	290,783	34,886	28,688	17,035	12,126	13,058
Montana	7,389	9,188	70,675	9,064	8,630	4,581	3,184	2,958
Nebraska	19,668	20,344	165,672	18,924	17,129	11,132	9,353	9,329
Nevada	21,764	25,499	248,375	24,322	20,230	21,065	22,615	22,959
New Hampshire	6,674	8,119	56,933	6,177	4,519	4,953	4,409	4,217
New Jersey	102,840	101,451	761,327	83,091	70,897	46,040	43,077	43,696
New Mexico	15,127	18,302	154,286	17,943	14,523	9,447	9,044	12,272
New York	181,039	185,897	1,319,208	144,317	116,473	76,064	74,935	76,195
North Carolina	56,931	57,019	448,887	50,695	42,666	27,029	31,670	32,377
North Dakota	7,170	7,202	56,155	6,058	5,634	3,706	2,273	2,597
Ohio	144,972	142,304	982,761	113,809	85,878	55,400	51,544	51,836
Oklahoma	56,199	59,672	508,012	46,279	32,398	30,587	32,928	43,991
Oregon	15,236	23,530	216,348	24,230	23,359	17,787	17,293	16,713
Pennsylvania	131,484	132,655	1,039,914	115,593	91,624	75,511	64,632	66,180
Rhode Island	9,181	9,567	85,866	7,963	6,628	5,752	6,713	7,102
South Carolina	23,878	25,264	228,116	21,731	20,374	16,056	15,117	17,702
South Dakota	8,394	8,814	74,593	8,528	7,682	5,062	4,195	4,715
Tennessee	47,266	42,787	298,014	33,714	28,857	17,694	16,007	17,572
Texas	299,718	349,733	3,434,465	297,357	260,922	259,428	278,723	322,822
Utah	17,343	23,432	197,980	23,363	21,030	12,741	11,124	11,473
Vermont	1,748	1,836	10,553	1,362	1,006	616	475	436
Virginia	58,044	56,684	405,383	42,925	36,115	21,327	26,215	26,830
Washington	21,931	30,926	297,659	32,680	32,117	23,639	22,926	22,185
West Virginia	12,588	11,578	86,874	9,339	8,434	6,196	4,327	4,118
Wisconsin	68,283	66,086	459,490	52,517	50,744	31,769	20,584	20,077
Wyoming	6,824	8,387	73,466	8,261	7,777	5,776	4,675	4,367
Total	2,733,026	2,906,390	24,381,082	2,475,535	2,167,984	1,730,740	1,635,485	1,751,644

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016

(million cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	47,261	46,623	45,433	37,858	50,469	43,559	65,260
Alaska	4,368	4,694	4,710	5,674	7,369	7,767	7,551
Arizona	36,749	27,795	20,069	16,417	13,935	20,464	24,041
Arkansas	16,738	18,058	17,239	18,688	24,659	26,360	33,114
California	190,351	159,661	166,204	168,620	183,038	199,902	224,852
Colorado	19,927	18,625	22,827	25,416	37,491	42,235	47,838
Connecticut	16,387	14,406	14,891	19,705	25,057	26,137	26,722
Delaware	8,394	7,336	6,709	6,971	9,535	8,484	9,273
District of Columbia	1,021	1,103	1,392	2,183	4,480	4,739	5,937
Florida	117,412	107,969	107,879	101,757	94,126	76,417	97,386
Georgia	47,671	45,029	42,666	41,700	54,667	54,609	80,653
Hawaii	245	240	239	251	244	242	271
Idaho	5,378	4,218	5,099	5,579	7,164	10,339	12,675
Illinois	40,005	41,986	53,342	71,889	126,843	152,540	185,421
Indiana	38,204	37,104	42,393	47,750	75,123	85,285	101,410
Iowa	16,980	17,262	19,546	23,136	32,877	38,406	44,798
Kansas	15,297	12,811	15,730	17,935	25,204	30,339	34,270
Kentucky	11,875	11,819	13,279	18,126	27,558	31,059	39,777
Louisiana	108,061	106,128	110,407	106,818	107,720	105,457	121,644
Maine	6,355	5,374	4,072	4,885	5,585	5,110	6,841
Maryland	8,983	8,352	10,196	12,958	26,177	27,650	33,911
Massachusetts	27,305	22,385	27,292	38,084	44,694	47,769	53,771
Michigan	29,027	31,716	41,608	61,749	106,270	121,808	140,025
Minnesota	18,862	20,872	25,242	35,166	51,164	59,267	70,320
Mississippi	32,022	32,438	32,608	25,047	32,890	34,934	44,401
Missouri	12,571	11,031	13,753	20,201	33,722	43,811	49,901
Montana	2,657	3,188	3,823	5,654	8,401	9,570	8,965
Nebraska	9,629	8,871	10,831	12,191	16,814	19,709	21,761
Nevada	24,130	18,783	17,493	17,186	16,540	19,644	23,407
New Hampshire	4,897	4,007	4,669	5,291	5,348	3,831	4,615
New Jersey	48,824	43,606	45,820	52,255	87,759	94,211	102,052
New Mexico	11,320	11,061	11,055	11,696	13,886	14,119	17,919
New York	80,454	75,655	82,722	100,389	158,384	162,047	171,572
North Carolina	32,850	32,597	29,393	30,764	43,371	37,489	57,988
North Dakota	3,282	3,291	3,752	4,801	6,371	6,957	7,432
Ohio	49,105	48,707	51,914	66,714	119,747	133,039	155,070
Oklahoma	37,271	34,202	34,344	46,444	49,138	60,204	60,226
Oregon	14,062	9,336	9,968	12,453	15,385	26,368	29,393
Pennsylvania	67,797	63,427	62,318	69,388	112,282	117,297	133,865
Rhode Island	7,257	6,480	5,308	8,264	7,459	7,645	9,294
South Carolina	18,639	16,833	17,883	17,840	21,426	18,784	25,732
South Dakota	4,646	4,139	4,883	5,688	7,155	8,554	9,346
Tennessee	16,919	17,232	18,029	18,678	28,631	35,525	49,157
Texas	304,999	279,037	266,265	260,005	280,010	291,978	332,920
Utah	13,073	12,880	13,793	13,307	18,758	19,728	26,709
Vermont	432	430	573	890	1,383	1,337	1,613
Virginia	27,246	27,040	27,337	26,519	43,424	46,415	53,990
Washington	18,214	13,153	14,675	18,875	26,018	35,349	37,827
West Virginia	3,835	3,706	4,610	6,176	10,787	11,807	13,540
Wisconsin	18,700	19,528	24,789	34,699	51,669	61,885	72,528
Wyoming	4,058	4,287	5,129	6,033	7,085	7,856	8,163
Total	1,701,744	1,576,508	1,636,202	1,786,764	2,365,293	2,556,038	2,997,145

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^R Revised data.

^{NA} Not available.

Notes: Geographic coverage is the 50 states and the District of Columbia. See Appendix A, Explanatory Note 6, for discussion of computations and revision policy.

Source: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 19. Average citygate price, by state, 2014-2016
(dollars per thousand cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	3.35	4.00	5.01	4.20	3.89	3.89	3.89	3.34
Alaska	NA	6.57	6.40	NA	6.32	6.19	6.12	6.03
Arizona	3.86	4.56	5.31	4.09	3.92	3.86	4.05	3.31
Arkansas	4.40	4.95	6.10	6.02	5.69	6.22	6.68	6.16
California	2.79	3.35	4.99	3.51	3.56	3.29	3.34	2.52
Colorado	3.51	4.36	5.69	4.73	5.27	4.81	5.16	4.22
Connecticut	3.53	4.17	5.87	3.13	4.29	4.20	4.69	4.58
Delaware	5.14	6.03	5.84	6.15	8.20	8.50	8.77	8.53
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	4.88	5.12	NA	4.13	3.87	3.69	3.46
Georgia	3.57	3.90	5.32	4.34	4.24	4.01	4.32	3.44
Hawaii	13.80	18.77	28.50	15.07	14.06	13.33	13.54	17.26
Idaho	NA	4.24	4.24	3.18	3.29	2.69	NA	NA
Illinois	NA	3.96	6.70	4.25	5.19	4.66	4.25	NA
Indiana	3.48	4.15	5.92	4.24	4.77	4.89	5.21	4.35
Iowa	NA	4.43	6.54	4.34	4.76	NA	4.64	4.16
Kansas	4.15	4.85	6.23	6.60	6.84	5.55	5.33	5.64
Kentucky	3.23	4.05	5.25	3.63	3.45	3.26	3.47	2.85
Louisiana	3.51	3.44	4.98	3.98	4.07	4.85	4.00	3.16
Maine	6.46	9.03	9.83	4.24	5.33	4.67	5.29	5.37
Maryland	NA	5.05	6.71	5.42	NA	NA	8.80	7.14
Massachusetts	4.51	5.88	7.29	5.36	8.26	6.95	7.49	5.90
Michigan	NA	4.31	5.76	3.53	NA	3.08	3.21	2.74
Minnesota	3.56	4.56	6.94	3.71	4.38	4.28	3.88	3.49
Mississippi	NA	4.11	5.38	4.17	3.90	3.79	4.04	3.46
Missouri	4.15	4.93	6.01	6.10	6.26	6.79	6.86	5.18
Montana	3.07	3.99	5.27	3.33	3.45	3.34	3.12	2.50
Nebraska	NA	4.56	5.78	NA	3.65	3.90	NA	3.17
Nevada	3.61	4.43	6.13	4.10	4.45	4.76	4.50	3.74
New Hampshire	NA	8.14	9.48	3.80	5.34	NA	6.79	5.79
New Jersey	3.88	4.99	6.47	3.75	4.02	3.75	3.92	3.91
New Mexico	2.84	3.57	5.16	3.62	3.47	3.39	3.50	2.89
New York	3.53	4.26	5.85	3.57	6.47	6.94	6.69	5.52
North Carolina	3.39	4.01	5.68	4.43	4.76	4.83	5.28	4.38
North Dakota	3.72	4.60	6.64	4.51	4.52	4.19	4.36	2.83
Ohio	3.15	4.56	4.89	3.09	2.38	2.53	2.69	2.46
Oklahoma	3.96	4.69	5.41	5.03	5.29	5.39	5.51	4.77
Oregon	NA	5.02	5.58	NA	5.76	5.08	5.59	4.97
Pennsylvania	3.65	4.43	5.85	4.01	5.26	5.63	6.52	6.36
Rhode Island	2.17	3.33	4.16	1.96	2.01	2.03	2.06	2.05
South Carolina	3.54	4.02	5.27	4.01	3.94	3.75	3.87	3.43
South Dakota	3.49	4.18	6.47	4.20	4.73	4.82	4.47	3.06
Tennessee	3.29	4.19	5.56	4.26	3.99	3.64	3.88	3.19
Texas	3.79	4.19	5.79	4.93	4.16	4.00	3.94	3.41
Utah	5.12	5.80	5.56	4.82	3.86	3.24	3.37	3.58
Vermont	5.18	6.52	7.25	4.08	4.21	4.22	4.01	4.24
Virginia	4.08	5.01	6.25	5.37	6.50	7.04	6.25	6.42
Washington	NA	4.83	6.03	NA	NA	4.35	4.56	3.57
West Virginia	3.51	4.08	5.21	3.73	5.14	5.08	5.59	4.62
Wisconsin	3.88	4.88	7.42	4.36	5.18	4.80	5.08	4.12
Wyoming	3.48	4.54	5.39	3.83	4.60	3.38	3.41	2.82
Total	3.64	4.40	5.93	4.19	4.59	4.37	4.45	3.98

See footnotes at end of table.

Table 19. Average citygate price, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2016					2015		
	May	April	March	February	January	Total	December	November
Alabama	2.99	2.90	3.00	3.18	3.22	3.91	3.27	3.61
Alaska	6.21	6.37	6.45	6.85	6.93	6.57	6.53	6.56
Arizona	2.77	3.03	4.85	4.60	3.64	4.38	3.65	4.42
Arkansas	4.79	4.60	4.53	3.76	3.43	4.77	4.00	4.16
California	2.49	2.25	2.30	2.65	2.72	3.27	3.02	3.08
Colorado	3.25	2.78	3.43	3.23	3.09	3.98	3.07	3.24
Connecticut	3.85	3.20	3.09	3.45	3.27	4.07	3.80	3.36
Delaware	6.24	5.03	4.70	3.84	3.81	5.87	4.98	5.14
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.50	3.37	3.83	3.95	3.86	4.75	4.65	3.92
Georgia	3.37	3.19	3.21	3.25	3.35	3.83	3.51	3.37
Hawaii	16.20	14.19	13.19	10.52	10.93	18.11	14.81	14.92
Idaho	3.22	2.79	3.67	3.47	3.20	3.95	3.34	3.52
Illinois	3.10	3.39	3.33	2.79	3.12	3.82	3.43	3.17
Indiana	3.25	2.91	3.45	3.25	3.26	4.03	3.52	3.62
Iowa	3.43	3.41	3.83	3.62	3.65	4.29	3.79	3.81
Kansas	4.57	4.41	3.56	3.41	3.38	4.59	3.55	3.94
Kentucky	2.93	2.97	3.26	3.26	3.24	3.96	3.85	3.21
Louisiana	\$2.99	\$3.03	\$3.32	\$3.49	\$3.51	3.32	2.95	2.62
Maine	3.81	3.58	7.53	8.85	7.79	8.76	8.01	7.52
Maryland	4.57	3.89	4.34	3.52	3.30	5.01	5.19	4.26
Massachusetts	4.86	3.94	3.40	4.30	3.93	5.72	5.42	4.42
Michigan	2.87	2.91	3.90	3.84	3.80	4.23	3.95	3.87
Minnesota	2.98	2.94	3.77	3.65	3.43	4.39	3.65	4.06
Mississippi	3.19	3.36	NA	3.85	3.28	4.05	4.29	3.02
Missouri	4.79	4.13	3.79	3.36	3.29	4.64	3.48	3.86
Montana	2.28	2.42	3.03	3.43	3.23	3.71	3.25	2.87
Nebraska	3.00	3.14	4.16	3.80	3.65	4.32	3.23	3.83
Nevada	3.19	3.16	3.18	3.56	3.38	4.06	3.15	3.57
New Hampshire	3.87	2.72	3.57	7.03	7.02	7.64	6.40	4.34
New Jersey	3.80	3.81	3.98	3.94	3.84	4.87	4.27	4.30
New Mexico	2.43	2.23	2.75	2.80	2.72	3.32	2.76	2.80
New York	4.26	3.03	2.84	2.92	2.62	4.15	3.56	3.54
North Carolina	3.71	3.21	3.10	2.87	2.98	3.81	3.10	2.79
North Dakota	2.71	2.97	3.65	3.84	3.76	4.46	3.94	4.16
Ohio	2.61	2.41	3.09	3.55	3.60	4.49	3.75	3.45
Oklahoma	3.83	3.73	3.58	3.69	3.62	4.59	3.86	4.22
Oregon	4.47	3.97	3.48	3.79	3.64	4.65	3.72	3.92
Pennsylvania	4.35	3.28	3.98	3.18	3.04	4.38	4.10	4.24
Rhode Island	2.09	2.14	2.22	2.24	2.23	3.14	2.21	2.22
South Carolina	3.08	3.37	3.41	3.27	3.42	3.90	3.48	3.20
South Dakota	2.28	2.47	3.40	3.49	3.65	4.16	4.01	4.19
Tennessee	3.02	2.97	3.09	3.14	3.21	4.06	3.45	3.49
Texas	3.20	3.20	3.60	3.87	3.79	4.19	4.37	3.90
Utah	4.60	4.63	6.06	6.05	5.61	5.70	5.96	4.84
Vermont	4.96	4.85	6.93	5.98	5.52	6.33	5.93	5.08
Virginia	4.38	3.92	3.72	3.31	3.40	4.87	4.36	4.07
Washington	3.85	3.43	NA	3.63	3.21	4.42	3.46	3.51
West Virginia	3.43	3.22	3.27	3.38	3.14	4.00	3.63	3.57
Wisconsin	3.67	3.16	3.73	3.92	3.67	4.71	3.96	4.21
Wyoming	3.04	3.14	3.44	3.75	3.62	4.36	3.89	3.88
Total	\$3.45	\$3.22	\$3.49	\$3.48	3.39	4.26	3.75	3.68

See footnotes at end of table.

Table 19. Average citygate price, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	3.83	3.81	4.04	3.94	3.96	3.84	4.08	4.12
Alaska	6.11	5.90	5.80	5.60	5.61	5.80	6.22	6.86
Arizona	4.25	4.48	4.53	4.55	4.29	3.81	3.95	5.45
Arkansas	5.63	5.58	6.92	7.11	6.56	5.52	6.31	4.87
California	3.32	3.42	3.55	3.56	3.42	2.96	3.13	3.27
Colorado	4.60	5.60	5.59	5.33	5.20	4.22	4.11	4.45
Connecticut	3.58	4.59	4.45	4.58	4.58	4.49	3.28	3.89
Delaware	6.54	10.35	10.03	10.56	10.05	9.71	6.31	4.89
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.17	4.53	4.44	4.87	5.12	3.85	5.24	6.30
Georgia	3.80	4.14	4.16	4.16	4.23	3.93	4.04	3.81
Hawaii	14.59	15.38	17.72	22.97	25.54	22.92	19.95	18.30
Idaho	3.75	3.67	4.50	4.65	3.99	3.81	3.42	4.86
Illinois	3.61	4.91	4.75	5.12	4.09	3.95	3.54	3.81
Indiana	3.68	4.58	4.82	4.57	4.61	4.26	3.55	4.23
Iowa	3.58	4.62	4.61	4.54	3.63	4.32	4.12	4.69
Kansas	5.53	6.43	5.66	5.39	6.04	5.72	3.64	4.35
Kentucky	3.41	3.34	3.41	3.44	3.97	3.78	3.75	4.24
Louisiana	2.95	3.08	3.28	3.48	3.22	3.04	3.08	3.69
Maine	4.38	5.52	5.39	9.76	7.37	7.25	6.30	9.28
Maryland	4.07	7.19	8.89	7.53	6.67	5.94	4.14	4.40
Massachusetts	4.62	7.59	7.15	7.30	6.25	6.74	3.93	4.96
Michigan	3.65	3.60	3.82	3.82	3.92	3.71	3.84	4.38
Minnesota	3.51	4.49	4.52	4.68	4.29	3.66	3.83	5.36
Mississippi	3.68	3.64	3.82	3.81	3.83	3.64	3.46	6.03
Missouri	5.33	6.73	7.26	7.35	6.97	6.51	5.47	4.50
Montana	3.28	3.10	3.36	3.43	3.24	3.56	3.44	4.54
Nebraska	4.04	4.68	4.16	4.11	3.65	4.71	3.93	4.87
Nevada	4.40	4.38	4.64	4.53	4.15	3.89	3.95	4.70
New Hampshire	3.59	5.90	7.17	7.87	9.74	5.52	4.46	6.46
New Jersey	4.37	5.00	4.84	4.70	4.78	4.73	4.48	5.09
New Mexico	3.34	3.57	3.74	3.64	3.55	3.17	3.56	3.77
New York	4.57	7.12	7.07	7.01	6.26	5.72	2.94	3.19
North Carolina	3.88	4.43	4.68	4.64	4.62	4.46	4.05	3.71
North Dakota	4.58	5.00	4.32	3.56	3.59	3.46	4.08	4.85
Ohio	3.02	2.34	3.04	3.24	3.98	4.21	4.51	4.79
Oklahoma	5.28	5.45	5.43	5.17	4.82	4.23	4.34	4.46
Oregon	5.15	5.19	5.84	6.30	5.36	5.37	4.68	4.83
Pennsylvania	3.79	6.30	6.22	5.85	5.60	6.65	4.51	4.28
Rhode Island	2.24	2.31	2.41	2.52	2.66	2.83	3.09	3.59
South Carolina	3.56	4.01	3.96	3.97	4.07	4.09	4.11	4.11
South Dakota	4.60	4.72	4.44	4.11	3.81	3.01	3.21	4.02
Tennessee	3.80	4.03	4.00	4.12	4.14	4.60	3.95	4.32
Texas	4.17	3.73	3.86	3.94	3.71	3.58	3.74	4.17
Utah	5.49	4.18	3.96	4.34	3.99	5.69	5.99	6.40
Vermont	4.59	5.96	6.34	6.39	7.22	8.35	6.55	6.62
Virginia	4.75	5.61	7.36	7.00	6.62	6.69	4.52	4.01
Washington	4.25	5.08	5.84	5.29	5.24	5.10	4.19	4.96
West Virginia	3.60	4.77	4.72	5.37	4.49	4.06	3.62	3.99
Wisconsin	4.25	5.61	5.95	5.68	5.79	4.47	4.10	4.98
Wyoming	4.09	3.89	3.50	3.06	3.55	4.32	4.31	4.67
Total	4.00	4.56	4.59	4.65	4.44	4.24	3.93	4.36

See footnotes at end of table.

Table 19. Average citygate price, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015					2014		
	February	January	Total	December	November	October	September	August
Alabama	3.89	4.18	4.93	4.62	4.56	4.90	4.78	4.80
Alaska	7.21	7.43	6.34	6.06	6.24	6.10	5.73	5.63
Arizona	5.08	4.52	5.20	4.69	5.17	5.00	4.88	5.02
Arkansas	4.27	4.48	5.84	5.27	4.98	6.83	6.87	7.61
California	3.30	3.58	4.88	4.78	4.04	4.66	4.59	4.46
Colorado	4.24	3.92	5.42	4.92	4.61	5.84	6.14	6.34
Connecticut	4.50	4.26	5.61	4.88	4.78	4.62	5.51	5.84
Delaware	5.29	4.62	5.54	4.51	4.71	5.76	6.92	7.36
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.25	5.33	5.05	4.72	4.81	4.82	5.18	4.63
Georgia	3.56	3.89	5.19	4.95	4.58	4.85	4.77	4.95
Hawaii	17.90	13.58	26.94	16.84	22.38	23.44	28.91	30.03
Idaho	4.66	4.27	4.29	4.44	4.37	4.25	4.30	3.05
Illinois	4.06	3.87	6.28	5.31	4.72	4.47	4.95	5.32
Indiana	4.09	4.23	5.63	4.82	4.78	4.75	5.08	4.80
Iowa	4.26	4.81	6.24	5.65	5.03	4.97	6.24	6.84
Kansas	4.25	5.27	6.10	5.18	6.24	8.47	7.51	6.45
Kentucky	4.04	4.48	5.16	4.97	4.80	4.75	4.81	4.70
Louisiana	3.86	4.15	4.90	4.65	4.49	4.44	4.33	4.19
Maine	11.79	10.83	10.33	12.28	10.99	4.25	6.99	6.72
Maryland	5.60	4.61	6.36	5.68	5.03	5.76	7.00	7.77
Massachusetts	7.43	5.44	6.96	6.25	5.55	5.90	8.36	8.90
Michigan	4.55	4.63	5.54	5.04	4.72	4.65	4.72	4.78
Minnesota	4.69	4.72	6.56	5.59	5.27	4.87	5.68	5.55
Mississippi	3.63	4.37	5.29	5.19	4.67	4.85	4.67	4.69
Missouri	4.24	4.41	5.76	5.11	5.05	6.26	7.49	7.85
Montana	4.34	4.53	5.03	4.83	4.03	4.28	5.02	4.38
Nebraska	4.29	5.19	5.58	4.99	4.93	4.69	5.33	5.16
Nevada	4.79	4.49	5.90	5.19	5.44	5.55	5.86	5.56
New Hampshire	10.71	10.03	9.28	9.97	6.90	5.64	7.43	7.76
New Jersey	5.64	4.66	6.21	5.45	5.36	5.48	5.84	5.91
New Mexico	3.56	3.62	4.99	4.66	4.44	4.82	4.80	4.67
New York	4.43	3.84	5.47	4.27	4.22	5.23	6.97	7.16
North Carolina	3.87	3.90	5.41	4.71	4.60	5.50	6.09	5.94
North Dakota	4.77	5.03	6.37	5.97	5.35	5.60	5.84	5.97
Ohio	4.78	4.83	4.91	4.96	4.89	4.89	4.08	4.51
Oklahoma	4.44	5.21	5.35	4.95	5.42	6.27	5.81	6.25
Oregon	4.84	4.67	5.40	4.81	5.04	5.72	6.13	6.77
Pennsylvania	4.10	4.30	5.59	5.10	4.67	4.58	6.04	6.87
Rhode Island	3.63	3.61	4.03	3.61	3.61	3.64	3.79	3.95
South Carolina	4.02	4.23	5.22	5.00	5.00	5.43	5.44	4.87
South Dakota	4.46	4.57	6.14	5.54	4.97	5.00	5.54	5.84
Tennessee	4.17	4.30	5.37	4.66	4.93	5.16	5.31	5.45
Texas	4.31	4.93	5.77	5.62	5.81	5.66	5.02	5.04
Utah	6.81	6.35	5.74	6.78	5.53	5.89	5.01	4.79
Vermont	6.84	6.59	7.08	6.62	6.29	6.13	6.44	6.61
Virginia	5.33	4.56	5.98	5.24	5.12	6.59	7.14	7.82
Washington	4.89	4.79	5.82	5.15	5.38	5.87	6.89	7.75
West Virginia	4.04	4.13	5.07	4.80	4.52	4.46	5.57	5.75
Wisconsin	4.76	5.01	6.96	5.90	5.28	5.56	6.60	7.28
Wyoming	4.95	5.52	5.27	5.24	4.59	4.90	5.07	4.79
Total	4.57	4.48	5.71	5.15	4.91	5.16	5.51	5.49

See footnotes at end of table.

Table 19. Average citygate price, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	5.23	5.61	5.66	5.37	5.16	5.07	4.45
Alaska	5.69	5.69	5.59	6.06	6.96	7.11	6.76
Arizona	5.16	5.20	5.01	5.02	5.74	6.12	5.09
Arkansas	7.98	8.17	7.71	6.87	5.97	6.20	4.86
California	5.32	4.87	5.24	4.91	5.84	4.89	4.88
Colorado	6.95	6.27	5.78	5.38	5.90	5.99	4.88
Connecticut	6.10	6.39	6.63	5.97	5.68	6.59	5.46
Delaware	7.44	4.54	6.95	5.74	5.28	5.62	5.90
District of Columbia	--	--	--	--	--	--	--
Florida	4.94	5.37	5.28	5.37	5.50	5.41	4.94
Georgia	5.22	5.55	5.48	5.17	5.48	6.26	5.03
Hawaii	29.61	32.97	30.54	29.90	27.54	25.33	26.81
Idaho	5.03	5.05	4.69	4.49	4.55	3.58	4.28
Illinois	5.55	5.63	5.20	5.23	8.22	8.33	5.87
Indiana	5.53	5.66	5.57	5.29	6.12	6.89	5.80
Iowa	6.98	7.85	7.03	5.68	7.73	7.08	5.70
Kansas	7.00	7.61	7.45	6.89	6.72	5.31	5.29
Kentucky	5.07	5.22	5.75	5.45	5.46	5.65	4.97
Louisiana	4.64	5.03	5.09	5.09	5.38	5.96	5.05
Maine	7.14	7.69	7.64	9.39	10.49	10.28	12.98
Maryland	8.67	8.30	7.59	6.23	5.77	6.53	7.26
Massachusetts	9.96	9.36	7.10	6.84	7.03	6.81	7.56
Michigan	4.97	5.09	5.03	5.25	7.40	6.18	5.08
Minnesota	6.36	6.21	5.43	5.26	9.10	8.68	5.91
Mississippi	5.30	5.58	5.08	6.11	5.04	6.49	5.05
Missouri	8.66	8.55	7.29	6.29	5.81	5.86	5.00
Montana	6.44	6.29	6.71	5.53	5.32	5.58	4.58
Nebraska	5.95	6.32	5.99	5.40	6.92	6.01	5.15
Nevada	6.02	6.03	5.93	6.38	6.48	7.16	5.60
New Hampshire	8.68	9.63	8.88	5.58	9.84	12.70	9.41
New Jersey	6.23	6.19	5.82	5.69	6.38	6.84	7.02
New Mexico	5.19	5.14	5.09	4.93	5.29	5.86	4.91
New York	7.92	7.87	7.59	5.87	4.76	5.50	6.09
North Carolina	6.64	7.06	6.78	6.03	5.43	5.99	5.04
North Dakota	7.61	7.47	6.55	5.95	7.82	8.12	5.03
Ohio	4.03	4.83	5.01	5.28	5.64	5.55	4.51
Oklahoma	6.57	6.33	5.77	5.64	6.17	4.94	4.57
Oregon	6.73	6.08	5.98	5.47	5.69	5.49	4.75
Pennsylvania	6.36	6.84	6.77	6.15	6.13	5.83	5.31
Rhode Island	4.11	4.24	4.34	4.35	4.28	4.20	4.09
South Carolina	5.43	5.95	5.87	5.84	5.96	3.18	5.24
South Dakota	7.03	6.71	5.62	5.40	8.28	7.36	5.52
Tennessee	5.77	5.79	5.67	5.60	5.66	6.01	5.22
Texas	5.37	5.62	5.65	6.00	6.53	6.51	5.45
Utah	4.49	4.46	4.26	5.65	6.42	5.90	5.80
Vermont	6.69	7.33	7.14	7.12	8.84	8.03	6.24
Virginia	8.00	7.97	7.50	6.09	5.75	6.53	5.50
Washington	7.88	7.01	6.91	5.54	6.63	5.52	5.02
West Virginia	6.01	6.09	6.37	5.18	5.39	5.38	4.69
Wisconsin	7.60	8.44	6.58	6.11	10.60	8.19	5.79
Wyoming	5.45	5.79	5.37	5.13	6.08	5.88	4.77
Total	5.99	6.05	5.90	5.64	6.57	6.41	5.56

^R Revised data.

-- Not applicable.

^{NA} Not available.

Notes: Geographic coverage is the 50 states and the District of Columbia. Prices in this table represent the average price of natural gas by state at the point where the gas is transferred from a pipeline to a local distribution company within the state. Prices are in nominal dollars. See Appendix A, Explanatory Note 8, for discussion of computations and revision policy.

Source: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 20. Average price of natural gas sold to residential consumers, by state, 2014-2016
(dollars per thousand cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	13.74	13.90	14.81	21.22	21.10	21.26	20.57	19.30
Alaska	9.89	9.94	9.02	10.07	11.36	12.66	12.98	12.14
Arizona	15.58	18.38	17.29	18.61	20.69	22.29	21.49	19.48
Arkansas	11.16	11.61	10.29	18.42	19.07	18.86	17.01	15.57
California	11.63	11.52	11.60	13.39	13.34	12.90	11.97	11.37
Colorado	7.59	8.95	9.19	9.75	12.12	14.28	14.02	12.51
Connecticut	13.10	12.57	14.56	16.63	22.18	24.07	21.75	19.19
Delaware	11.80	12.70	13.28	19.78	22.48	24.20	21.34	17.54
District of Columbia	NA	12.18	13.29	NA	19.45	20.11	18.38	15.35
Florida	19.27	19.39	19.17	23.28	23.87	23.96	24.18	22.59
Georgia	NA	14.68	15.00	25.30	NA	25.99	25.97	24.64
Hawaii	36.50	40.40	48.64	37.47	35.35	34.86	34.76	42.55
Idaho	8.57	9.04	8.59	8.21	9.46	10.13	9.85	9.77
Illinois	8.10	8.34	10.12	12.17	16.73	17.33	16.50	12.62
Indiana	NA	9.41	9.48	11.79	17.47	18.38	18.70	16.30
Iowa	NA	8.73	10.49	NA	16.31	17.63	16.05	13.28
Kansas	10.25	10.90	10.87	18.32	19.93	21.71	20.10	18.90
Kentucky	10.35	11.07	10.83	19.41	22.87	24.40	23.01	20.11
Louisiana	NA	10.77	10.95	NA	16.17	16.97	16.27	14.16
Maine	NA	17.63	16.71	15.77	NA	22.81	21.90	18.01
Maryland	11.71	11.86	12.46	17.66	20.58	21.29	20.13	16.04
Massachusetts	12.37	13.19	14.44	13.82	15.10	15.35	14.55	12.84
Michigan	8.36	9.10	9.46	9.34	12.76	14.50	13.25	12.32
Minnesota	NA	9.26	10.09	9.51	12.91	13.38	NA	12.19
Mississippi	NA	9.58	9.56	NA	15.44	16.26	15.93	14.15
Missouri	11.06	11.75	10.76	21.68	23.99	26.38	24.82	19.70
Montana	7.37	8.69	9.35	7.91	10.04	11.09	10.30	8.34
Nebraska	8.04	9.17	8.87	13.26	15.67	16.07	14.98	12.33
Nevada	NA	12.71	11.49	NA	13.81	14.42	14.63	12.99
New Hampshire	14.20	16.44	16.24	19.46	24.66	24.61	23.02	18.19
New Jersey	8.19	8.32	10.04	10.38	11.90	12.27	11.49	10.78
New Mexico	7.99	9.04	10.39	12.57	14.34	15.18	13.85	11.38
New York	11.02	11.10	12.85	14.83	17.32	17.86	16.65	14.69
North Carolina	NA	11.33	12.19	18.56	NA	NA	22.54	19.64
North Dakota	7.70	8.93	9.22	8.50	16.30	20.07	20.52	19.22
Ohio	9.30	9.77	10.39	18.80	26.09	27.29	25.47	19.24
Oklahoma	10.63	10.48	10.25	24.83	26.11	29.01	24.73	19.82
Oregon	NA	12.82	11.77	11.60	14.16	16.28	NA	15.63
Pennsylvania	10.28	11.23	11.96	13.51	18.78	19.38	18.24	15.54
Rhode Island	13.88	14.25	15.22	17.92	20.26	20.37	19.20	16.89
South Carolina	12.83	12.04	13.17	22.25	25.36	25.66	26.97	24.19
South Dakota	7.65	8.69	9.68	10.49	13.40	14.20	13.53	11.38
Tennessee	NA	9.54	10.31	NA	17.53	18.91	17.06	14.76
Texas	NA	10.57	11.22	20.14	21.01	22.75	19.33	NA
Utah	9.09	9.99	9.39	9.23	10.12	10.75	10.67	9.81
Vermont	14.30	14.61	14.71	18.75	22.57	23.02	21.11	18.40
Virginia	11.08	11.57	12.27	16.38	21.29	21.37	19.95	15.54
Washington	NA	12.77	10.66	11.11	13.41	15.55	NA	NA
West Virginia	9.54	10.77	10.23	11.65	16.69	18.41	17.03	15.58
Wisconsin	8.23	8.78	10.95	9.20	14.30	15.05	14.32	10.57
Wyoming	NA	9.93	9.43	10.24	15.66	NA	NA	11.86
Total	10.20	10.58	11.24	13.74	16.80	17.63	16.58	14.47

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2016					2015		
	May	April	March	February	January	Total	December	November
Alabama	17.16	14.45	12.15	11.26	12.14	14.13	14.48	17.89
Alaska	10.41	9.63	9.09	8.99	8.87	9.64	8.76	8.86
Arizona	17.44	16.54	18.06	13.83	11.99	17.04	12.75	14.57
Arkansas	13.88	11.01	10.44	9.16	9.65	11.58	10.48	13.97
California	11.52	10.50	10.60	11.53	11.46	11.39	11.38	10.31
Colorado	7.09	6.87	6.71	6.48	6.10	8.27	6.48	6.92
Connecticut	15.03	12.87	11.74	10.67	10.34	12.50	11.84	12.53
Delaware	13.44	11.47	10.24	9.71	10.09	12.62	11.09	14.03
District of Columbia	12.56	10.55	10.72	9.53	9.96	11.98	10.25	12.06
Florida	20.69	17.98	17.20	16.13	16.92	19.55	19.43	21.87
Georgia	20.07	16.27	12.90	10.90	10.74	14.62	13.97	14.73
Hawaii	39.90	36.85	36.99	33.65	33.36	40.08	38.28	38.53
Idaho	9.18	8.91	8.76	8.20	7.97	8.59	7.87	7.71
Illinois	10.49	7.53	7.08	6.30	5.84	7.97	6.30	7.13
Indiana	9.95	NA	7.97	6.33	5.95	8.92	6.93	7.34
Iowa	8.74	NA	7.33	6.52	6.52	8.51	7.31	8.43
Kansas	13.40	11.06	9.41	7.89	7.26	10.17	7.79	9.97
Kentucky	14.80	10.30	8.73	7.60	7.83	10.87	9.35	10.99
Louisiana	13.40	11.33	10.51	8.70	9.43	10.91	10.90	13.82
Maine	13.48	12.57	12.99	13.08	13.12	16.79	13.17	12.75
Maryland	12.63	11.48	11.02	9.44	9.93	12.03	13.09	12.69
Massachusetts	12.46	12.02	11.70	12.08	11.99	13.02	12.69	11.18
Michigan	9.28	7.72	7.69	7.56	7.29	8.81	7.57	7.91
Minnesota	10.50	7.58	8.01	6.92	7.04	8.79	7.12	7.67
Mississippi	13.16	10.94	9.17	8.09	8.57	9.70	9.70	12.11
Missouri	15.58	11.31	9.30	8.12	7.98	11.60	9.51	13.97
Montana	7.18	6.75	7.00	6.88	6.80	8.26	6.85	7.39
Nebraska	9.22	7.60	6.99	6.49	6.43	8.86	6.83	9.43
Nevada	11.92	11.25	10.84	9.75	9.12	11.82	8.96	10.80
New Hampshire	13.97	12.22	11.76	12.70	14.05	16.18	15.06	14.11
New Jersey	9.49	8.99	8.24	6.86	6.55	8.32	7.80	9.03
New Mexico	8.73	7.48	7.06	6.44	6.35	8.63	6.76	8.27
New York	10.98	9.87	9.63	9.43	10.28	11.20	11.43	12.26
North Carolina	16.44	13.13	12.63	9.07	8.77	11.57	12.87	12.15
North Dakota	9.53	6.91	6.31	5.61	5.50	8.15	5.60	6.56
Ohio	11.70	8.02	7.14	6.43	6.46	9.51	7.40	9.68
Oklahoma	16.74	10.97	8.93	6.82	6.54	10.24	7.34	14.37
Oregon	15.03	13.59	11.93	11.91	10.43	12.43	10.84	12.69
Pennsylvania	11.32	9.86	9.46	8.60	8.70	11.04	9.82	10.53
Rhode Island	14.49	13.42	12.64	12.35	12.73	14.24	13.49	15.48
South Carolina	18.70	15.24	13.53	9.79	9.07	12.65	15.36	14.91
South Dakota	7.76	6.89	7.16	6.61	6.31	8.30	6.63	8.04
Tennessee	12.45	9.50	7.86	7.25	7.38	9.62	9.22	11.74
Texas	16.33	11.63	10.02	7.79	7.77	10.62	9.31	15.49
Utah	8.89	8.96	9.50	8.79	8.58	9.72	8.75	9.22
Vermont	14.26	13.30	12.66	12.53	13.24	14.56	13.84	14.89
Virginia	12.71	10.65	10.21	8.78	9.47	11.64	12.14	11.77
Washington	9.90	9.45	9.96	10.22	9.18	11.80	9.74	9.87
West Virginia	11.73	9.36	8.82	8.31	8.31	10.48	8.86	9.62
Wisconsin	8.64	7.58	7.40	7.25	7.46	8.54	7.46	7.98
Wyoming	9.11	8.23	8.12	7.61	7.32	9.33	7.05	8.44
Total	11.61	9.65	9.21	8.38	8.30	10.38	9.27	10.02

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	19.36	20.73	20.86	20.60	19.61	17.89	15.37	12.15
Alaska	9.40	9.81	11.41	11.66	11.29	10.87	10.03	9.68
Arizona	20.78	23.02	24.02	23.60	21.54	19.21	18.94	18.94
Arkansas	17.62	18.98	19.43	17.76	16.16	13.91	11.66	9.99
California	11.54	11.92	11.86	11.69	11.73	11.35	10.93	11.29
Colorado	9.31	13.17	13.68	14.38	11.28	9.25	8.07	8.50
Connecticut	15.33	21.54	19.36	18.26	17.41	14.40	12.54	11.00
Delaware	18.50	23.22	23.75	21.80	20.74	16.05	12.74	11.27
District of Columbia	15.52	17.40	17.38	16.93	16.63	14.34	12.16	11.94
Florida	23.71	24.76	24.94	24.67	22.91	21.53	19.02	16.40
Georgia	19.81	24.96	24.03	24.71	23.63	19.84	15.91	12.21
Hawaii	37.46	36.41	37.50	45.21	48.71	45.31	40.85	39.78
Idaho	8.90	9.53	10.93	10.69	10.08	9.21	8.86	9.12
Illinois	9.70	15.39	16.41	15.13	13.63	11.47	8.42	7.45
Indiana	9.29	15.25	17.74	17.99	17.88	13.44	10.66	9.24
Iowa	13.18	16.44	17.39	15.71	13.02	10.07	8.50	7.75
Kansas	14.33	19.63	20.74	19.33	17.65	14.49	13.64	9.74
Kentucky	16.11	21.00	22.21	23.11	21.52	17.11	12.94	8.96
Louisiana	15.07	15.86	16.50	15.46	14.98	13.55	11.26	8.83
Maine	15.03	21.77	22.85	20.77	17.13	16.58	17.33	17.52
Maryland	13.48	19.36	19.04	18.40	18.32	16.78	11.48	10.71
Massachusetts	10.75	13.26	13.82	13.29	12.18	12.74	12.71	12.44
Michigan	8.96	13.26	13.57	13.69	12.54	10.54	8.89	8.37
Minnesota	9.27	12.68	12.93	13.22	13.46	10.59	8.85	9.45
Mississippi	13.94	15.36	15.79	14.84	14.40	12.92	10.53	8.23
Missouri	20.52	23.90	25.52	24.26	20.79	17.02	12.66	9.26
Montana	9.07	11.11	11.86	11.75	10.06	8.48	8.25	8.06
Nebraska	13.81	15.57	15.66	14.76	12.18	10.32	9.15	7.91
Nevada	14.95	16.14	16.41	16.72	15.51	14.34	13.30	11.84
New Hampshire	17.88	22.91	22.68	19.23	16.48	15.12	15.10	15.33
New Jersey	10.24	12.30	12.42	11.96	11.35	9.56	7.33	7.49
New Mexico	13.08	14.85	14.92	14.55	11.79	9.92	8.92	7.56
New York	14.24	17.50	17.30	17.09	16.26	12.68	10.19	9.34
North Carolina	14.61	21.77	21.94	21.14	20.97	17.62	14.25	10.08
North Dakota	9.57	16.93	19.37	21.03	17.34	10.19	8.59	7.52
Ohio	15.37	24.33	25.48	23.85	19.97	13.50	9.15	7.76
Oklahoma	23.34	25.17	26.60	23.07	19.17	15.76	12.21	7.52
Oregon	13.54	14.45	17.09	16.20	15.54	14.00	11.78	13.23
Pennsylvania	12.23	18.26	18.56	17.76	15.77	13.63	10.81	10.03
Rhode Island	19.04	21.00	20.94	19.74	17.85	15.79	13.88	13.07
South Carolina	16.37	23.95	22.77	24.65	24.58	21.23	16.92	10.67
South Dakota	10.43	14.36	14.99	14.53	12.35	9.18	8.46	8.04
Tennessee	14.40	17.34	19.64	17.59	16.13	14.17	10.41	7.57
Texas	19.18	20.90	21.08	18.26	16.56	15.76	11.59	7.93
Utah	10.85	10.89	10.84	10.69	9.90	9.54	9.98	9.99
Vermont	18.41	23.16	23.04	21.69	19.41	15.81	13.73	13.09
Virginia	15.88	19.54	21.20	20.34	19.54	15.69	11.62	10.17
Washington	13.00	14.48	17.17	16.98	16.72	14.22	12.22	12.05
West Virginia	12.22	17.56	19.08	19.83	17.05	12.88	10.93	9.90
Wisconsin	8.51	12.94	14.20	13.41	13.24	9.38	6.93	8.38
Wyoming	12.66	15.66	16.07	15.70	11.34	9.65	9.49	8.78
Total	12.60	16.40	16.89	16.28	15.07	12.73	10.44	9.28

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							2014
	February	January	Total	December	November	October	September	August
Alabama	12.21	12.80	14.62	13.54	14.52	20.61	21.87	21.85
Alaska	9.64	9.51	9.11	9.59	9.22	9.35	10.43	12.05
Arizona	18.88	14.36	17.20	16.55	17.48	21.92	23.70	24.03
Arkansas	10.90	10.65	10.39	10.38	11.72	17.48	18.96	18.85
California	11.53	11.68	11.51	11.27	11.04	12.32	12.32	12.05
Colorado	7.97	8.05	8.89	8.15	8.08	10.06	13.58	15.47
Connecticut	11.10	11.67	14.13	12.38	12.65	17.79	20.30	20.65
Delaware	11.33	11.23	13.21	12.09	14.86	21.17	23.45	23.95
District of Columbia	10.50	11.34	13.05	11.85	12.50	14.12	16.87	16.90
Florida	16.15	16.83	19.02	17.20	20.31	23.66	24.73	25.39
Georgia	11.05	11.66	14.45	12.72	13.02	22.12	25.85	26.14
Hawaii	38.87	35.07	47.51	38.71	44.85	44.84	49.55	51.36
Idaho	8.79	8.64	8.54	8.49	8.40	8.69	9.28	9.39
Illinois	6.46	7.30	9.59	8.22	7.76	9.91	14.35	18.07
Indiana	7.55	8.13	9.02	8.44	7.09	8.06	13.75	15.50
Iowa	7.14	7.52	10.02	8.38	8.83	11.31	16.00	17.83
Kansas	8.59	9.20	10.59	9.04	10.72	16.88	20.09	21.20
Kentucky	8.92	9.48	10.62	9.90	10.16	15.91	22.23	22.85
Louisiana	9.21	9.34	10.89	10.16	11.54	15.82	16.44	16.12
Maine	17.45	17.91	16.90	18.26	16.31	17.51	22.80	25.70
Maryland	10.10	11.18	12.21	11.56	11.04	15.16	17.84	19.63
Massachusetts	13.59	14.51	14.50	14.85	14.47	13.14	15.40	16.22
Michigan	8.39	8.61	9.33	9.03	8.89	10.09	12.54	14.65
Minnesota	8.23	8.56	9.89	9.66	8.94	10.09	12.91	13.55
Mississippi	8.25	8.14	9.51	9.03	9.74	14.71	15.48	15.12
Missouri	9.63	9.45	10.83	10.45	12.23	19.08	24.84	25.86
Montana	8.21	8.39	9.11	8.26	8.52	10.08	11.18	13.58
Nebraska	7.89	8.31	8.77	8.13	9.09	12.44	14.79	15.78
Nevada	11.40	10.42	11.44	10.61	12.44	15.50	15.98	16.75
New Hampshire	16.20	17.43	16.27	16.98	15.25	16.57	20.74	21.71
New Jersey	7.82	7.81	9.69	8.03	9.26	11.50	12.90	13.05
New Mexico	7.37	8.05	10.13	8.73	10.12	14.07	15.57	16.29
New York	9.79	10.51	12.54	10.66	12.27	15.99	17.86	18.88
North Carolina	8.93	10.05	11.88	11.30	10.89	15.88	20.77	23.23
North Dakota	7.02	7.85	8.86	7.96	7.85	10.39	14.22	17.00
Ohio	7.54	7.91	10.16	8.91	10.06	15.52	23.30	25.28
Oklahoma	8.07	7.83	10.10	8.16	12.88	23.92	26.45	26.54
Oregon	12.37	11.18	11.72	11.94	11.19	13.36	15.53	16.90
Pennsylvania	10.31	10.53	11.77	10.85	11.54	14.89	18.78	20.46
Rhode Island	12.93	13.23	15.14	13.71	16.98	21.73	23.13	23.43
South Carolina	8.83	10.20	12.65	11.69	10.66	18.88	25.28	24.75
South Dakota	7.58	7.71	9.27	7.79	8.46	10.75	13.36	15.55
Tennessee	8.47	8.72	10.13	9.20	10.11	16.12	18.54	18.12
Texas	7.94	8.63	11.16	10.06	12.69	19.55	20.30	21.03
Utah	10.40	9.44	9.48	9.89	9.76	11.08	11.66	11.85
Vermont	13.00	13.79	14.68	14.08	15.46	19.48	22.49	23.63
Virginia	9.31	10.81	12.07	11.10	11.92	18.73	20.92	20.63
Washington	11.82	11.45	10.59	10.46	10.33	10.25	11.03	11.30
West Virginia	9.79	9.80	10.21	9.96	10.38	11.53	15.01	18.04
Wisconsin	8.11	8.60	10.52	9.46	8.99	9.10	12.28	13.73
Wyoming	8.98	8.77	9.34	8.77	9.41	12.07	14.80	16.72
Total	9.08	9.50	10.97	10.01	10.19	13.11	16.27	17.41

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	21.81	20.93	18.64	15.49	13.80	13.14	13.18
Alaska	12.01	10.63	7.77	6.82	7.18	9.42	9.49
Arizona	23.29	21.54	18.99	17.61	18.04	15.54	13.03
Arkansas	18.24	16.07	13.29	10.65	8.98	8.66	8.94
California	12.50	12.03	12.14	11.46	11.76	11.12	10.69
Colorado	15.45	12.81	10.23	9.30	8.21	7.84	7.66
Connecticut	20.34	20.33	17.78	16.51	13.89	13.13	11.30
Delaware	22.96	20.49	15.55	12.79	11.88	11.79	11.92
District of Columbia	17.99	16.68	14.23	14.02	14.57	11.77	11.40
Florida	24.68	22.02	20.88	18.70	17.27	15.81	16.01
Georgia	25.80	23.93	18.77	15.67	13.22	12.21	11.14
Hawaii	49.29	52.40	50.96	49.25	49.21	44.69	45.67
Idaho	9.11	9.25	8.95	8.47	8.68	8.41	8.24
Illinois	17.93	17.26	14.33	13.40	10.96	8.09	7.34
Indiana	17.38	21.29	15.51	11.64	9.11	8.49	7.63
Iowa	17.04	15.46	12.19	9.60	10.98	9.93	8.54
Kansas	20.37	18.22	13.72	11.40	9.68	9.40	8.88
Kentucky	23.34	21.38	16.14	11.39	9.22	8.82	8.80
Louisiana	16.39	15.54	13.92	11.57	9.90	9.38	8.90
Maine	23.11	19.40	16.53	16.20	16.41	16.29	14.92
Maryland	19.72	17.87	15.05	13.06	11.97	11.42	10.39
Massachusetts	16.11	14.82	14.69	15.74	14.98	13.77	13.39
Michigan	14.08	13.03	11.14	9.90	9.15	8.64	8.17
Minnesota	14.71	14.80	10.18	10.17	11.28	9.55	8.46
Mississippi	15.31	14.66	12.33	9.82	8.91	8.18	8.00
Missouri	25.05	21.26	15.34	11.34	8.97	8.08	8.36
Montana	13.39	12.45	10.92	9.79	8.80	8.29	8.01
Nebraska	15.57	13.50	10.64	9.01	8.39	7.77	7.08
Nevada	16.16	14.24	12.95	11.47	10.47	9.57	9.13
New Hampshire	20.34	17.02	17.27	16.95	16.11	15.59	14.41
New Jersey	12.77	12.23	11.06	9.43	9.11	9.74	9.70
New Mexico	16.24	14.45	11.77	10.75	10.24	8.75	8.07
New York	18.99	17.99	14.55	12.49	11.78	11.32	11.18
North Carolina	21.55	24.63	21.09	13.64	10.23	11.38	10.46
North Dakota	20.13	16.60	10.73	9.55	8.94	7.69	7.02
Ohio	24.66	20.55	13.55	9.94	8.84	8.42	7.96
Oklahoma	24.26	21.32	16.16	11.60	8.30	7.52	6.99
Oregon	14.58	14.30	13.75	11.97	11.59	10.12	10.66
Pennsylvania	20.23	18.55	13.93	11.94	11.09	10.54	10.49
Rhode Island	22.85	20.80	18.06	14.92	13.44	13.38	13.24
South Carolina	27.01	25.42	20.86	14.68	11.26	12.26	10.20
South Dakota	15.31	13.07	10.31	9.20	10.01	9.17	8.00
Tennessee	18.86	17.54	14.18	11.57	9.65	9.10	8.34
Texas	20.22	18.67	16.16	12.53	10.08	8.56	8.24
Utah	11.18	10.36	8.53	9.17	9.99	8.97	8.55
Vermont	22.45	20.12	15.77	13.58	13.59	12.95	13.27
Virginia	21.11	19.73	15.43	12.56	11.57	10.45	10.16
Washington	11.03	10.85	10.57	10.39	10.29	10.80	10.81
West Virginia	17.72	15.60	12.46	10.40	9.41	9.32	9.22
Wisconsin	14.35	13.60	14.55	11.56	13.82	9.62	8.83
Wyoming	15.58	12.51	9.85	9.27	8.57	7.95	7.91
Total	17.23	16.13	13.60	11.76	10.70	9.77	9.26

^R Revised data.

^{NA} Not available.

Notes: Geographic coverage is the 50 states and the District of Columbia. Average prices for gas delivered to residential consumers reflect onsystem sales prices, with the following exception: Starting in 2011, residential price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. Published prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges. Prices are in nominal dollars. See Appendix A, Explanatory Note 8, for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of total residential, total commercial, and total industrial deliveries.

Sources: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Table 21. Average price of natural gas sold to commercial consumers, by state, 2014-2016
(dollars per thousand cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	10.59	11.26	12.12	11.95	11.62	11.88	11.74	11.31
Alaska	8.20	8.15	8.27	8.85	8.76	8.78	9.07	8.41
Arizona	8.97	10.89	10.17	8.49	8.61	8.62	8.72	8.70
Arkansas	7.10	8.56	7.78	7.00	6.87	7.28	7.02	7.35
California	8.15	8.09	9.08	9.09	9.17	8.76	8.08	7.44
Colorado	6.47	7.94	8.26	8.03	8.45	9.30	8.39	7.65
Connecticut	NA	8.65	10.56	10.00	10.65	11.75	11.16	11.82
Delaware	9.47	10.85	11.51	11.42	11.86	12.11	11.51	10.87
District of Columbia	10.18	11.24	12.24	9.76	11.67	12.32	12.12	11.31
Florida	10.51	10.91	11.50	10.79	10.72	10.49	10.46	10.40
Georgia	7.64	8.54	10.15	8.99	9.22	9.27	9.05	8.44
Hawaii	27.17	31.71	41.86	27.71	27.32	25.57	25.24	32.82
Idaho	7.37	7.85	7.74	6.97	7.67	7.62	7.70	7.79
Illinois	NA	7.53	9.30	9.03	12.30	NA	12.25	10.92
Indiana	NA	7.95	8.48	7.25	9.50	10.00	10.99	9.37
Iowa	NA	6.65	8.46	6.85	NA	8.13	8.81	8.11
Kansas	NA	9.32	9.81	11.26	13.52	13.72	12.86	12.41
Kentucky	7.84	8.89	9.13	10.76	11.27	11.97	10.99	10.72
Louisiana	NA	8.10	9.08	8.55	8.37	8.35	NA	7.26
Maine	NA	14.87	14.74	10.35	NA	10.50	10.46	10.04
Maryland	8.98	9.80	10.64	11.04	11.95	11.65	11.50	9.79
Massachusetts	9.33	11.05	12.41	9.53	9.72	9.79	9.34	8.48
Michigan	6.92	7.69	8.39	7.56	9.00	9.22	8.71	8.17
Minnesota	NA	7.66	8.78	6.75	7.74	7.78	8.14	7.39
Mississippi	7.75	7.86	8.37	8.15	7.60	7.53	7.65	7.08
Missouri	7.86	9.26	8.82	9.61	9.92	10.48	10.40	9.41
Montana	7.16	8.51	8.99	7.62	8.95	9.08	8.59	7.74
Nebraska	5.38	6.63	7.29	5.79	5.95	6.02	5.32	5.08
Nevada	NA	9.01	8.07	NA	6.87	6.89	7.22	7.08
New Hampshire	11.22	13.91	15.13	13.58	16.21	16.40	16.48	13.28
New Jersey	7.68	8.52	10.27	8.79	8.74	8.72	8.68	7.72
New Mexico	5.64	6.51	7.97	6.94	7.44	7.25	6.94	6.14
New York	6.09	6.90	8.50	5.57	5.27	5.26	5.54	5.72
North Carolina	NA	8.10	9.12	7.98	8.21	NA	8.79	8.54
North Dakota	5.44	7.04	7.81	5.82	6.74	7.30	7.01	6.69
Ohio	5.77	6.55	8.00	7.23	7.30	8.13	7.56	6.96
Oklahoma	7.68	8.28	8.32	14.50	14.80	15.07	13.84	12.34
Oregon	NA	10.53	9.33	9.05	9.66	10.18	NA	11.57
Pennsylvania	8.11	9.55	10.29	9.09	10.94	10.76	10.99	10.56
Rhode Island	11.27	12.05	13.03	14.53	16.35	15.78	15.43	13.58
South Carolina	8.22	8.33	9.61	9.06	8.59	8.52	8.74	7.82
South Dakota	5.58	6.49	7.92	6.31	7.17	7.91	6.99	6.47
Tennessee	NA	8.45	9.38	NA	9.07	9.49	8.68	8.28
Texas	6.67	6.97	8.31	8.36	8.13	8.24	7.50	6.70
Utah	7.38	8.12	7.57	6.71	6.84	7.10	7.01	6.84
Vermont	6.46	8.07	9.24	6.19	6.33	5.59	5.87	5.51
Virginia	7.27	8.19	9.29	7.89	8.84	8.57	8.36	7.81
Washington	NA	10.40	8.96	8.49	9.14	9.54	9.06	NA
West Virginia	7.93	9.42	8.86	8.73	10.01	10.29	10.16	9.80
Wisconsin	6.22	6.90	9.01	5.87	6.56	6.55	6.98	5.26
Wyoming	6.96	7.74	7.60	6.67	7.65	8.21	7.86	7.84
Total	7.22	8.04	9.03	7.93	8.27	8.25	8.11	7.71

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2016					2015		
	May	April	March	February	January	Total	December	November
Alabama	10.62	10.63	10.20	9.85	9.97	11.26	10.95	11.70
Alaska	8.00	7.90	7.87	7.87	7.88	8.01	7.54	7.59
Arizona	8.78	9.07	9.74	9.32	8.94	10.53	9.17	9.36
Arkansas	7.23	6.97	7.23	6.86	7.28	8.43	7.43	8.01
California	7.35	7.19	8.18	8.49	8.04	8.04	8.29	7.25
Colorado	6.16	5.98	5.94	5.97	5.81	7.47	6.10	6.40
Connecticut	9.87	9.37	7.93	7.29	NA	8.60	8.22	8.51
Delaware	10.03	9.33	8.79	8.58	8.75	10.70	9.15	10.82
District of Columbia	10.24	10.24	10.21	9.30	9.50	11.07	9.59	10.81
Florida	10.18	10.27	10.48	10.61	10.69	10.92	11.05	10.83
Georgia	8.11	7.89	7.33	6.98	6.58	8.58	7.88	9.81
Hawaii	30.04	28.09	27.26	23.66	24.18	31.17	28.72	28.13
Idaho	7.69	7.80	7.59	7.20	7.08	7.59	7.10	6.91
Illinois	9.47	6.99	6.50	5.88	5.54	7.29	6.03	6.66
Indiana	7.09	NA	6.94	5.59	5.27	7.61	6.19	6.07
Iowa	ⁱ5.81	ⁱ5.54	ⁱ5.80	5.40	5.35	6.50	5.70	6.43
Kansas	NA	NA	ⁱ8.91	7.22	6.72	8.87	7.11	7.28
Kentucky	9.14	7.96	7.07	6.36	6.70	8.75	7.69	8.58
Louisiana	7.33	7.19	7.77	7.77	8.10	8.07	8.01	7.80
Maine	9.54	9.71	10.79	11.16	11.36	14.16	11.11	10.30
Maryland	8.22	8.32	8.82	8.14	8.37	9.80	10.23	9.37
Massachusetts	9.21	9.44	9.13	9.49	9.33	10.81	9.99	8.56
Michigan	7.04	6.54	6.54	6.61	6.54	7.51	6.61	6.85
Minnesota	NA	6.17	6.50	6.09	6.55	7.31	6.12	6.21
Mississippi	7.56	8.09	7.87	7.59	7.98	7.86	7.76	8.02
Missouri	8.56	7.93	7.23	6.96	7.10	9.14	7.87	9.85
Montana	6.93	6.64	6.92	6.87	6.76	8.13	6.85	7.32
Nebraska	ⁱ4.73	ⁱ5.00	ⁱ5.39	5.47	5.42	6.40	5.23	5.55
Nevada	7.04	7.25	7.59	7.48	7.34	8.66	7.37	7.82
New Hampshire	11.22	9.96	9.55	10.47	11.46	13.63	12.39	11.15
New Jersey	7.15	6.80	7.50	7.66	7.76	8.50	8.22	8.64
New Mexico	5.54	5.33	5.27	5.09	5.14	6.32	5.28	6.09
New York	5.98	6.16	6.39	6.58	6.57	6.85	6.78	6.32
North Carolina	8.04	7.80	8.56	6.99	6.65	8.27	9.83	8.40
North Dakota	5.37	4.62	5.21	5.16	5.20	6.62	5.17	5.61
Ohio	6.10	5.30	5.27	5.25	5.26	6.39	5.33	5.81
Oklahoma	10.91	8.11	6.80	5.43	5.40	8.12	6.07	10.65
Oregon	10.74	9.83	9.42	9.37	8.84	10.09	9.36	8.64
Pennsylvania	8.85	8.06	8.16	7.31	7.14	9.32	8.07	8.21
Rhode Island	11.51	10.79	10.32	10.10	10.37	11.99	10.97	12.89
South Carolina	7.46	8.39	8.39	8.16	7.83	8.49	10.21	8.47
South Dakota	5.08	4.95	5.60	5.36	5.05	6.22	5.38	5.37
Tennessee	7.60	7.59	7.01	7.00	6.93	8.46	8.32	8.71
Texas	6.82	6.12	6.15	5.83	5.97	6.95	6.56	7.29
Utah	6.77	7.37	7.91	7.55	7.46	7.97	7.53	7.33
Vermont	6.71	6.60	6.22	7.00	7.14	7.89	7.37	6.65
Virginia	7.32	6.72	7.26	6.75	6.95	8.13	7.94	7.59
Washington	7.82	7.73	7.76	8.35	7.82	9.77	8.08	8.33
West Virginia	9.02	7.90	7.58	7.31	7.25	9.14	7.64	7.93
Wisconsin	5.30	5.98	6.07	6.36	6.59	6.78	6.25	6.47
Wyoming	ⁱ6.93	ⁱ6.91	ⁱ6.87	ⁱ6.78	ⁱ6.62	7.43	6.22	6.67
Total	7.35	6.94	7.05	6.82	6.74	7.91	7.22	7.39

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	11.63	11.99	12.17	12.13	12.07	11.76	11.78	10.69
Alaska	7.86	7.21	8.23	8.14	8.62	7.85	8.03	8.14
Arizona	10.15	10.41	10.53	10.68	10.84	10.76	10.85	11.41
Arkansas	7.86	8.44	8.64	8.25	8.36	8.30	8.13	8.40
California	7.75	7.90	7.93	7.74	7.72	7.03	7.89	8.70
Colorado	7.73	9.17	9.33	9.41	8.39	7.63	8.18	7.87
Connecticut	9.57	10.58	9.56	9.33	10.13	9.47	8.57	7.61
Delaware	12.54	13.93	13.86	13.35	12.71	11.90	10.60	10.26
District of Columbia	11.19	11.02	10.71	10.68	11.24	11.80	11.78	11.94
Florida	10.74	11.27	11.02	10.86	11.03	10.56	10.62	10.73
Georgia	8.74	9.47	9.16	9.20	9.10	8.69	8.68	8.02
Hawaii	27.06	28.60	30.45	36.02	38.76	36.86	32.56	31.08
Idaho	7.63	7.98	8.10	8.39	7.97	7.91	7.92	7.93
Illinois	8.26	12.57	12.77	11.61	11.56	10.12	7.69	6.82
Indiana	6.21	8.06	10.80	10.94	11.19	10.32	8.89	8.53
Iowa	6.50	8.10	8.91	8.42	7.30	6.48	6.23	6.44
Kansas	9.43	12.52	12.03	12.47	12.49	10.84	10.24	9.02
Kentucky	9.37	10.49	11.27	11.91	11.47	10.90	10.01	7.96
Louisiana	7.77	7.74	7.85	7.87	7.83	7.65	7.76	8.07
Maine	8.48	11.27	12.08	11.96	11.22	13.00	15.39	15.90
Maryland	9.78	10.88	11.37	10.76	11.50	11.27	9.33	9.22
Massachusetts	7.35	8.52	8.99	8.93	8.34	10.24	11.21	10.58
Michigan	7.48	9.06	9.19	9.33	8.92	7.92	7.27	7.35
Minnesota	6.44	7.74	8.05	8.19	8.88	7.35	7.55	8.35
Mississippi	7.85	7.88	7.71	7.82	7.86	7.86	8.00	7.66
Missouri	11.05	10.74	11.89	11.91	11.17	10.38	9.34	8.18
Montana	8.54	9.73	9.81	9.79	9.16	8.28	8.24	8.04
Nebraska	5.78	6.29	6.11	5.90	5.39	5.42	6.24	6.52
Nevada	8.58	9.10	9.07	9.45	9.64	9.64	9.24	8.94
New Hampshire	12.30	14.76	14.78	13.74	12.55	12.26	12.85	13.46
New Jersey	8.08	8.21	8.76	8.64	8.33	7.84	7.31	8.55
New Mexico	7.67	7.65	7.65	7.52	6.77	6.89	6.16	5.78
New York	6.24	5.96	5.72	6.05	6.80	6.65	7.24	7.11
North Carolina	7.96	9.38	9.04	9.26	9.08	8.85	8.27	7.17
North Dakota	6.11	7.82	8.76	8.63	8.26	6.58	6.55	6.76
Ohio	6.55	7.71	7.73	7.85	7.53	7.03	6.41	6.22
Oklahoma	14.04	14.68	15.00	13.46	12.61	11.23	9.20	6.60
Oregon	10.49	10.43	11.45	11.07	11.27	11.09	10.00	10.74
Pennsylvania	8.80	11.00	11.14	12.00	11.18	10.65	9.79	9.12
Rhode Island	15.76	17.13	17.02	16.64	15.41	13.02	11.73	11.13
South Carolina	8.08	8.40	8.16	8.45	8.50	8.06	8.38	7.86
South Dakota	5.78	7.20	7.28	7.36	6.91	6.46	6.36	6.54
Tennessee	8.92	9.36	9.85	9.34	9.02	9.04	8.68	7.33
Texas	7.71	7.75	7.67	7.54	6.57	6.89	6.66	6.41
Utah	7.33	7.29	7.30	7.26	7.38	7.48	8.18	8.51
Vermont	6.20	6.97	6.91	6.10	6.78	8.53	9.02	8.88
Virginia	8.04	8.93	8.60	8.57	9.14	9.08	8.19	7.64
Washington	10.28	10.55	11.44	11.40	11.05	10.64	10.16	10.12
West Virginia	9.95	11.47	11.89	11.48	12.44	10.70	9.54	8.97
Wisconsin	5.49	6.32	6.58	6.56	6.88	5.65	5.21	7.20
Wyoming	7.18	7.84	7.58	7.77	7.92	7.69	7.61	7.87
Total	7.78	8.42	8.45	8.49	8.52	8.13	8.02	7.84

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015						2014	
	February	January	Total	December	November	October	September	August
Alabama	10.81	10.95	11.98	11.25	11.57	12.61	13.27	13.12
Alaska	8.43	8.70	8.30	8.27	8.51	8.74	8.74	9.29
Arizona	11.76	10.73	10.34	11.12	10.95	11.47	11.45	11.10
Arkansas	8.93	8.87	7.88	8.28	8.52	8.39	9.08	9.48
California	8.58	8.96	9.05	9.26	8.50	8.88	8.72	8.73
Colorado	7.45	7.68	8.15	7.82	7.92	8.48	10.45	10.96
Connecticut	7.86	8.60	10.24	9.13	9.19	11.48	11.13	10.84
Delaware	10.11	10.19	11.42	10.54	11.92	13.94	14.36	14.60
District of Columbia	10.36	11.16	12.18	11.84	11.99	11.22	11.96	11.63
Florida	11.07	11.19	11.42	10.84	11.32	11.31	11.81	11.98
Georgia	8.15	8.44	9.86	9.04	8.79	11.49	11.30	11.50
Hawaii	30.83	25.72	40.42	29.74	36.64	36.33	42.06	44.41
Idaho	7.77	7.71	7.70	7.61	7.60	7.68	7.71	7.89
Illinois	6.15	6.83	8.86	7.76	7.14	8.68	11.71	14.66
Indiana	6.87	7.49	8.19	8.02	6.61	7.21	8.28	9.93
Iowa	6.22	6.55	8.15	7.50	6.96	7.14	9.68	10.53
Kansas	8.01	8.72	9.61	8.49	9.64	12.72	13.73	14.04
Kentucky	8.18	8.28	9.06	8.75	8.94	11.06	12.50	12.76
Louisiana	8.55	8.76	9.01	8.77	8.57	8.74	9.00	8.66
Maine	16.03	16.45	15.13	17.75	14.52	13.71	14.42	14.98
Maryland	9.38	9.83	10.52	10.57	9.37	10.79	12.06	11.10
Massachusetts	11.99	12.70	12.48	13.00	12.29	9.98	11.68	12.01
Michigan	7.52	7.69	8.28	7.95	7.93	8.68	9.79	10.14
Minnesota	7.17	7.88	8.66	8.50	8.04	8.37	8.70	8.65
Mississippi	7.88	8.04	8.36	8.27	8.49	8.97	8.08	8.50
Missouri	8.70	8.84	8.96	9.14	10.31	11.24	12.43	12.64
Montana	8.25	8.45	8.77	8.04	8.19	9.46	9.94	11.11
Nebraska	6.94	7.65	7.27	7.26	6.98	7.02	6.86	7.48
Nevada	8.82	8.60	8.21	8.58	8.98	9.32	9.22	9.60
New Hampshire	14.33	15.54	14.96	14.50	13.47	13.37	16.05	16.56
New Jersey	8.74	9.05	10.08	9.29	9.46	9.51	9.59	9.67
New Mexico	5.92	6.63	7.87	7.28	7.73	8.56	8.78	9.03
New York	7.18	7.52	8.31	7.60	7.32	7.20	7.15	7.21
North Carolina	7.27	8.28	9.12	9.47	8.73	9.81	9.62	10.30
North Dakota	6.78	7.41	7.74	7.64	7.43	8.00	8.44	9.08
Ohio	6.21	6.45	7.82	7.04	7.26	9.13	8.85	10.04
Oklahoma	7.01	6.95	8.25	7.06	10.46	15.77	16.45	15.89
Oregon	10.45	10.07	9.44	10.05	9.43	9.87	9.79	9.77
Pennsylvania	9.27	9.27	10.13	9.68	9.38	10.57	12.33	12.90
Rhode Island	11.11	11.23	12.89	11.21	14.68	18.23	18.89	19.81
South Carolina	8.15	8.96	9.55	9.94	8.71	9.46	9.53	8.84
South Dakota	6.32	6.48	7.65	6.92	6.85	7.81	8.06	8.68
Tennessee	8.21	8.58	9.30	8.90	9.15	10.57	10.67	10.62
Texas	6.54	7.25	8.26	7.98	8.12	8.72	8.68	9.02
Utah	8.77	8.23	7.71	8.41	7.99	8.04	8.06	8.22
Vermont	8.94	8.93	9.13	8.68	8.64	8.52	8.01	7.76
Virginia	7.66	8.59	9.17	8.90	8.46	10.35	10.66	10.73
Washington	10.14	10.11	9.03	9.28	9.27	8.95	9.13	9.23
West Virginia	8.88	8.87	8.92	9.06	9.21	9.34	9.99	10.80
Wisconsin	7.42	7.53	8.74	8.22	7.61	6.61	7.72	7.50
Wyoming	8.06	7.59	7.69	7.95	8.08	8.38	9.19	9.30
Total	7.81	8.14	8.90	8.53	8.29	8.97	9.39	9.67

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	13.15	13.25	12.95	12.28	11.76	11.56	11.51
Alaska	9.18	8.74	6.71	6.47	6.98	9.15	9.07
Arizona	10.77	10.66	10.29	10.05	10.15	9.55	8.74
Arkansas	9.45	9.24	8.79	8.01	7.23	7.20	7.32
California	9.25	8.82	8.98	9.12	10.09	9.10	8.81
Colorado	11.01	9.72	8.72	8.43	7.78	7.50	7.39
Connecticut	11.21	12.70	12.50	12.25	10.25	9.82	8.50
Delaware	14.28	13.56	12.25	11.24	10.65	10.86	10.88
District of Columbia	13.27	13.05	12.97	12.13	12.31	12.48	11.60
Florida	12.23	11.78	11.64	11.54	11.33	11.00	11.02
Georgia	11.73	12.13	10.80	10.38	9.88	9.52	8.94
Hawaii	42.89	46.09	45.08	43.00	42.22	37.96	38.89
Idaho	7.62	7.74	7.94	7.85	7.85	7.65	7.66
Illinois	15.16	14.85	13.01	12.84	10.49	7.45	6.83
Indiana	10.43	11.38	11.73	10.13	9.25	7.79	7.30
Iowa	10.36	10.72	9.23	7.45	9.40	8.55	7.39
Kansas	14.24	13.41	11.39	10.68	9.17	8.93	8.45
Kentucky	12.65	12.81	11.83	9.40	8.31	8.09	8.08
Louisiana	9.37	9.32	9.59	9.28	9.23	9.08	8.70
Maine	14.79	14.61	15.13	14.97	14.76	14.82	14.66
Maryland	12.02	11.60	12.39	11.20	10.45	10.48	9.67
Massachusetts	11.86	11.84	12.40	13.81	13.26	12.08	11.83
Michigan	10.26	9.70	8.90	8.39	8.85	8.05	7.47
Minnesota	9.55	9.56	8.40	9.56	9.63	8.75	7.84
Mississippi	8.73	8.86	9.17	8.62	8.56	8.06	7.81
Missouri	12.73	11.98	10.33	9.10	7.98	7.57	7.89
Montana	11.50	11.50	10.49	9.56	8.64	8.09	7.81
Nebraska	7.63	7.01	7.84	8.01	7.95	7.02	6.59
Nevada	9.20	8.34	8.20	7.87	7.71	7.43	7.19
New Hampshire	16.23	14.83	15.66	16.91	15.60	14.97	13.26
New Jersey	10.30	9.98	9.41	9.45	11.06	10.98	9.85
New Mexico	9.19	8.84	8.29	8.49	8.25	7.53	6.84
New York	7.71	7.91	8.75	8.95	9.22	9.25	8.31
North Carolina	10.63	10.08	9.93	9.67	8.08	8.96	8.51
North Dakota	9.83	9.29	8.05	8.43	8.55	7.35	6.60
Ohio	10.31	10.28	8.72	8.08	7.71	7.73	6.92
Oklahoma	16.21	15.91	12.51	9.44	7.23	6.61	6.09
Oregon	10.00	10.02	9.88	9.56	9.44	8.63	8.94
Pennsylvania	13.07	12.96	11.53	10.82	10.18	9.59	9.33
Rhode Island	20.53	18.82	14.84	12.72	11.56	11.57	11.45
South Carolina	10.06	9.70	9.64	9.64	9.30	10.41	9.32
South Dakota	8.95	8.47	7.65	7.24	8.91	8.24	6.94
Tennessee	11.17	10.94	10.62	10.18	9.10	8.94	8.10
Texas	9.24	9.30	9.38	9.00	8.49	7.44	7.23
Utah	8.00	7.47	6.75	7.59	8.13	7.54	7.28
Vermont	8.01	8.16	8.36	8.67	10.33	11.24	9.21
Virginia	11.06	10.84	10.03	9.58	9.33	8.49	8.40
Washington	9.17	8.95	8.85	8.66	8.71	9.09	9.09
West Virginia	10.50	11.20	10.34	8.91	8.41	8.43	8.32
Wisconsin	8.59	9.45	10.83	9.85	11.88	8.46	7.69
Wyoming	9.09	8.26	7.66	7.79	7.46	7.03	6.96
Total	10.06	9.94	9.70	9.49	9.35	8.69	8.11

^R Revised data.

^{NA} Not available.

Notes: Geographic coverage is the 50 states and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices, with the following exception: Starting in 2011, commercial price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. Published prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges. Prices are in nominal dollars. See Appendix A, Explanatory Note 8, for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of total residential, total commercial, and total industrial deliveries.

Sources: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Table 22. Average price of natural gas sold to industrial consumers, by state, 2014-2016
(dollars per thousand cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	NA	4.19	5.54	4.24	NA	3.81	3.98	3.34
Alaska	5.08	6.87	8.02	4.53	4.45	5.64	5.17	4.58
Arizona	5.73	6.87	7.48	5.56	5.51	6.02	5.76	4.93
Arkansas	5.59	7.12	6.87	5.24	5.17	5.96	5.35	5.46
California	6.64	6.40	7.73	7.38	7.47	7.02	6.40	5.89
Colorado	NA	6.05	7.01	NA	NA	7.03	6.21	5.50
Connecticut	6.13	6.38	8.09	5.98	6.08	6.17	6.19	6.05
Delaware	NA	10.28	11.15	NA	NA	10.31	NA	8.93
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.73	6.49	6.96	6.07	5.29	5.71	5.39	5.25
Georgia	3.90	4.54	6.16	4.33	4.42	4.25	4.14	3.54
Hawaii	15.53	19.56	27.37	15.85	15.65	16.03	16.51	16.92
Idaho	NA	5.99	6.01	NA	5.40	5.46	5.43	5.46
Illinois	NA	5.68	8.12	5.66	NA	7.08	NA	5.43
Indiana	4.77	6.69	7.72	4.91	5.72	5.93	5.70	4.96
Iowa	NA	5.37	7.95	4.76	4.78	4.18	4.49	4.28
Kansas	NA	4.21	5.66	NA	3.80	3.64	3.45	3.27
Kentucky	3.54	4.63	5.83	4.05	3.87	3.59	3.89	2.91
Louisiana	2.91	3.40	5.15	3.50	3.33	3.15	3.37	2.47
Maine	7.29	9.17	11.10	5.99	6.13	5.99	5.58	5.55
Maryland	NA	9.48	9.81	10.78	NA	NA	13.92	9.88
Massachusetts	7.72	9.40	11.48	7.46	6.51	6.80	6.76	6.59
Michigan	NA	6.78	7.96	6.20	NA	6.06	6.39	6.00
Minnesota	4.04	5.04	6.70	4.20	4.09	4.09	4.11	3.71
Mississippi	4.29	4.84	6.15	4.63	4.54	4.52	3.89	3.88
Missouri	5.89	7.70	7.92	5.79	5.91	6.09	6.70	5.78
Montana	5.65	6.71	8.05	5.45	5.67	6.32	4.84	6.18
Nebraska	3.89	4.58	5.58	3.92	3.99	3.89	3.60	3.29
Nevada	6.21	8.40	7.76	5.20	5.87	5.79	6.51	6.10
New Hampshire	8.37	10.56	9.89	7.58	8.06	8.21	8.24	7.14
New Jersey	NA	8.20	10.54	7.00	7.57	NA	NA	7.12
New Mexico	4.05	4.67	6.20	4.71	4.53	4.27	3.91	3.49
New York	5.96	6.71	8.32	5.58	5.30	5.75	5.61	5.60
North Carolina	5.31	6.44	7.63	5.23	5.23	5.16	5.11	5.05
North Dakota	2.46	3.21	5.66	2.86	2.82	3.68	2.98	2.09
Ohio	NA	5.48	7.08	6.30	NA	6.71	NA	NA
Oklahoma	NA	7.70	8.64	8.10	8.82	NA	NA	NA
Oregon	5.51	6.45	6.09	5.46	5.43	5.43	5.29	6.49
Pennsylvania	NA	8.69	10.24	8.43	8.60	NA	9.13	NA
Rhode Island	8.77	9.34	10.33	9.01	9.16	9.22	8.91	8.76
South Carolina	4.31	4.74	6.20	4.75	4.63	4.50	4.73	3.80
South Dakota	4.52	5.56	7.27	5.09	5.89	5.77	4.95	4.54
Tennessee	4.28	5.16	6.36	4.67	4.46	4.31	4.38	3.65
Texas	2.55	3.01	4.80	3.22	3.16	3.01	2.98	2.16
Utah	5.50	5.97	5.83	4.96	4.93	5.00	5.02	5.10
Vermont	5.13	5.48	6.75	5.13	5.14	5.31	5.61	4.97
Virginia	4.11	5.15	6.47	4.15	4.20	4.28	3.91	4.06
Washington	7.43	9.32	8.46	7.12	7.26	7.69	7.67	8.07
West Virginia	NA	3.33	4.97	2.21	2.06	2.00	2.03	2.11
Wisconsin	4.89	5.71	8.32	4.63	4.60	4.28	4.63	3.44
Wyoming	NA	5.29	5.98	4.12	NA	2.77	NA	NA
Total	3.39	4.02	5.68	3.87	4.73	3.58	3.56	2.88

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2016					2015		
	May	April	March	February	January	Total	December	November
Alabama	2.97	3.22	3.21	3.66	3.65	4.08	3.61	3.45
Alaska	3.69	6.36	6.75	6.74	4.88	6.86	6.84	6.77
Arizona	5.59	5.72	5.86	6.17	6.46	6.78	6.39	6.30
Arkansas	5.29	5.35	5.85	5.86	5.96	6.91	5.64	5.99
California	5.93	5.79	6.77	7.01	6.66	6.41	6.99	5.83
Colorado	4.28	4.39	4.99	4.53	4.24	5.74	4.52	5.20
Connecticut	6.58	6.84	5.84	5.71	6.10	6.35	6.58	5.85
Delaware	8.62	7.85	8.29	7.98	8.14	10.11	8.32	9.62
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.14	5.66	6.22	6.05	6.30	6.43	6.10	6.22
Georgia	3.50	3.45	3.46	3.95	4.02	4.42	3.86	3.76
Hawaii	15.05	14.45	13.73	14.45	16.17	19.03	15.06	17.68
Idaho	5.44	5.50	5.46	5.46	5.41	5.83	5.40	4.93
Illinois	NA	4.89	4.69	4.50	4.24	5.47	4.65	4.59
Indiana	4.10	4.39	4.67	4.85	4.36	6.36	4.79	4.42
Iowa	3.92	4.28	4.68	NA	5.30	5.28	4.61	5.26
Kansas	3.35	NA	4.25	6.19	6.68	4.24	5.61	4.62
Kentucky	3.26	2.87	3.38	3.71	3.86	4.45	3.65	3.51
Louisiana	2.55	2.48	2.39	2.92	3.06	3.31	2.98	2.74
Maine	5.78	8.46	8.51	8.52	8.46	8.95	8.50	8.20
Maryland	7.42	7.63	8.62	8.52	8.37	9.70	10.84	10.90
Massachusetts	7.79	8.04	7.98	8.36	8.21	9.22	8.90	7.31
Michigan	5.76	5.59	5.61	5.96	5.82	6.60	5.78	5.76
Minnesota	4.25	3.35	3.65	4.22	4.37	4.87	4.24	4.13
Mississippi	3.75	4.03	4.31	4.55	4.62	4.75	4.18	4.31
Missouri	5.29	5.77	5.84	6.02	5.80	7.58	6.91	6.97
Montana	4.82	5.40	5.52	6.27	5.88	6.53	5.54	6.16
Nebraska	3.20	3.69	4.23	4.23	4.32	4.56	4.79	4.08
Nevada	5.99	6.21	6.73	6.65	6.49	8.07	6.61	7.12
New Hampshire	7.48	7.90	7.98	8.96	9.60	10.33	9.87	7.53
New Jersey	6.12	5.60	7.52	6.81	7.02	8.09	7.52	7.09
New Mexico	3.38	3.45	3.75	4.05	4.24	4.62	4.26	4.60
New York	5.77	5.93	6.25	6.29	6.28	6.62	6.27	6.01
North Carolina	5.07	5.29	5.66	5.57	5.30	6.34	5.87	5.73
North Dakota	1.91	2.09	2.10	2.83	2.43	3.13	2.88	2.58
Ohio	5.53	NA	4.20	4.29	4.46	5.35	4.65	4.74
Oklahoma	9.14	8.07	5.61	5.42	9.95	7.51	6.18	7.90
Oregon	5.14	5.24	5.59	5.59	5.50	6.28	5.50	5.58
Pennsylvania	NA	6.72	7.21	6.81	7.07	8.59	7.62	8.47
Rhode Island	8.91	8.77	8.40	8.44	8.61	9.26	8.22	9.48
South Carolina	3.78	3.65	3.79	4.46	5.12	4.64	4.25	4.09
South Dakota	4.08	3.85	4.25	4.25	4.58	5.34	4.56	4.56
Tennessee	3.75	3.80	4.24	4.73	4.65	5.06	4.58	4.47
Texas	2.14	2.08	1.88	2.39	2.45	2.89	2.38	2.28
Utah	5.14	5.68	5.97	6.44	6.07	5.93	6.01	5.35
Vermont	5.13	4.93	4.96	5.17	5.14	5.50	5.81	5.42
Virginia	3.84	3.56	4.13	4.22	4.51	5.02	4.48	3.95
Washington	7.25	7.31	7.39	7.64	7.30	8.91	7.30	7.89
West Virginia	2.02	2.76	NA	2.35	2.17	3.17	2.58	2.13
Wisconsin	3.97	5.05	4.94	5.45	5.74	5.65	5.43	5.37
Wyoming	NA	3.87	3.56	3.66	3.76	5.07	4.01	4.63
Total	2.91	3.00	3.04	3.63	3.62	3.91	3.45	3.26

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	3.61	3.82	4.05	3.96	4.08	3.69	4.13	4.69
Alaska	6.85	6.83	6.82	6.78	6.84	6.86	6.70	6.88
Arizona	6.32	6.58	6.55	6.76	6.86	6.54	6.96	7.15
Arkansas	6.43	6.44	6.59	6.61	6.09	6.41	6.84	7.70
California	5.94	6.15	6.12	6.08	6.29	5.51	6.45	6.89
Colorado	6.03	6.22	6.65	7.39	6.58	5.32	5.49	6.20
Connecticut	5.75	6.58	5.64	5.86	6.01	6.18	6.77	5.81
Delaware	11.15	11.40	11.38	10.89	9.09	9.78	9.56	10.20
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.30	6.09	6.04	6.70	5.78	5.88	6.05	6.53
Georgia	4.14	4.28	4.38	4.34	4.41	4.14	4.22	5.02
Hawaii	17.99	19.09	19.29	21.57	20.94	19.68	19.40	18.66
Idaho	5.77	5.93	6.09	6.10	5.85	5.86	5.93	6.01
Illinois	5.39	6.19	5.96	6.06	5.94	5.66	5.75	5.74
Indiana	4.27	5.21	5.85	6.29	5.70	6.14	9.14	7.18
Iowa	4.56	6.17	5.11	5.45	4.77	4.76	4.47	5.67
Kansas	4.18	3.90	3.95	4.00	4.08	4.17	4.43	5.75
Kentucky	3.86	3.94	4.13	4.43	4.60	4.27	4.51	5.22
Louisiana	3.14	3.29	3.47	3.44	3.39	2.93	3.22	3.48
Maine	4.56	4.72	4.81	4.68	4.61	5.50	14.71	15.12
Maryland	9.52	8.76	9.99	11.89	12.71	10.17	8.08	8.81
Massachusetts	5.51	6.26	6.91	6.66	6.90	8.73	9.67	9.60
Michigan	6.33	6.75	7.02	6.44	6.78	6.59	6.21	6.70
Minnesota	4.24	4.17	4.68	4.53	4.62	4.19	4.55	5.82
Mississippi	4.27	4.52	4.00	4.54	4.36	4.46	4.75	5.75
Missouri	7.17	7.96	7.29	7.88	7.52	7.33	7.95	7.79
Montana	5.87	7.00	5.93	6.41	4.89	6.49	7.00	7.25
Nebraska	4.12	4.27	4.33	4.27	3.83	4.13	5.53	5.39
Nevada	7.72	8.58	8.16	8.71	9.18	9.06	8.71	8.32
New Hampshire	5.48	5.10	6.05	6.14	7.16	8.31	10.89	12.09
New Jersey	7.34	8.31	8.75	8.19	8.13	7.82	7.87	7.96
New Mexico	4.69	4.70	4.60	4.53	4.44	4.11	4.52	4.93
New York	5.57	5.83	5.33	5.86	6.00	6.54	7.21	7.21
North Carolina	6.04	6.14	5.87	5.95	5.83	5.67	6.11	6.69
North Dakota	2.76	2.81	2.95	3.11	2.90	2.81	3.01	3.77
Ohio	5.61	6.64	6.09	5.40	7.24	5.71	5.28	5.22
Oklahoma	9.90	12.85	8.77	8.63	8.96	6.31	9.41	6.57
Oregon	6.41	6.38	6.39	6.30	6.25	6.29	6.25	6.65
Pennsylvania	8.93	10.37	10.35	10.06	10.21	9.59	8.25	7.85
Rhode Island	9.92	9.79	10.09	9.61	9.38	9.75	9.20	9.00
South Carolina	4.26	4.37	4.59	4.47	4.56	4.19	4.36	4.96
South Dakota	5.13	6.04	5.73	5.71	5.14	5.50	5.42	5.31
Tennessee	4.45	4.63	4.79	4.80	4.87	4.83	4.99	5.69
Texas	2.77	2.95	3.13	3.07	3.04	2.82	2.88	3.00
Utah	5.24	5.30	5.32	5.20	5.72	5.94	6.50	6.72
Vermont	5.58	4.65	4.53	5.90	5.17	5.23	5.29	5.98
Virginia	4.69	4.86	4.56	4.81	5.08	5.33	5.15	5.32
Washington	8.70	9.23	9.33	10.04	9.45	9.21	9.55	8.91
West Virginia	3.21	3.19	3.23	3.22	3.18	3.16	3.29	3.49
Wisconsin	4.69	4.56	4.91	4.54	5.07	4.42	4.46	6.40
Wyoming	4.56	4.75	4.75	4.63	5.20	5.02	5.36	5.17
Total	3.52	3.63	3.77	3.73	3.74	3.56	3.94	4.43

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015						2014	
	February	January	Total	December	November	October	September	August
Alabama	4.95	4.66	5.49	5.25	5.24	4.75	4.82	4.74
Alaska	7.08	6.97	7.97	7.76	7.73	7.87	8.01	7.84
Arizona	7.51	7.25	7.52	7.68	7.64	8.12	8.06	7.46
Arkansas	7.90	7.88	6.99	7.51	7.45	7.31	7.15	7.25
California	6.77	7.68	7.65	7.67	6.89	7.22	7.35	7.38
Colorado	6.15	6.01	6.84	6.22	6.51	7.16	7.58	8.05
Connecticut	6.52	7.89	8.07	8.41	7.46	7.23	7.39	7.02
Delaware	10.25	9.91	10.95	9.65	10.71	11.91	12.25	11.58
District of Columbia	--	--	--	--	--	--	--	--
Florida	7.12	8.40	6.89	6.48	6.64	6.91	6.41	7.16
Georgia	4.98	5.34	6.07	5.95	5.55	5.58	5.57	5.40
Hawaii	18.33	20.25	26.75	23.01	24.67	26.68	28.07	28.68
Idaho	6.14	6.16	5.96	6.11	5.38	5.93	5.67	6.01
Illinois	5.13	6.02	7.75	6.64	6.11	6.32	7.72	11.94
Indiana	6.69	7.52	7.32	7.23	5.22	5.91	6.27	7.39
Iowa	5.63	6.40	7.59	6.91	6.49	6.67	7.80	8.00
Kansas	5.82	6.98	5.68	6.35	5.70	5.58	5.09	5.15
Kentucky	5.21	5.37	5.78	5.78	5.23	5.47	5.49	5.17
Louisiana	3.66	3.87	5.05	4.63	4.51	4.54	4.52	4.40
Maine	15.22	15.20	11.93	14.34	13.61	9.01	8.74	9.69
Maryland	9.64	10.06	9.94	11.02	9.45	10.41	11.20	11.04
Massachusetts	10.86	11.74	11.53	11.98	11.28	8.45	9.50	9.88
Michigan	6.98	7.06	7.84	7.41	7.27	7.60	7.98	8.11
Minnesota	5.83	5.89	6.57	6.57	5.66	6.09	6.01	5.57
Mississippi	5.49	6.16	6.15	6.26	6.03	6.08	5.70	6.18
Missouri	7.65	7.92	8.00	8.36	8.25	7.99	8.02	8.11
Montana	7.38	8.18	7.99	7.64	7.84	7.36	7.83	10.01
Nebraska	4.34	4.84	5.69	6.43	5.95	5.98	6.18	5.98
Nevada	8.27	7.94	7.83	7.84	8.31	8.54	8.48	8.86
New Hampshire	12.47	14.13	9.46	8.74	7.31	6.25	7.76	8.62
New Jersey	8.26	8.81	10.45	9.99	10.22	8.33	10.27	11.68
New Mexico	5.06	5.84	6.18	6.06	6.13	6.28	5.97	6.05
New York	7.05	7.43	8.13	7.19	7.03	6.71	6.75	7.48
North Carolina	7.52	7.06	7.55	7.42	7.02	7.66	7.64	7.51
North Dakota	3.86	3.92	5.61	5.50	4.90	4.44	5.68	4.11
Ohio	5.44	5.26	7.06	6.95	7.07	7.30	8.10	7.18
Oklahoma	7.40	7.62	8.30	5.14	8.63	14.47	11.05	9.77
Oregon	6.72	6.69	6.20	6.73	6.65	6.13	6.34	6.35
Pennsylvania	8.96	8.74	9.95	8.92	9.16	11.22	10.46	10.82
Rhode Island	9.01	9.12	10.27	9.28	10.76	11.94	11.41	11.53
South Carolina	5.99	5.77	6.14	6.08	5.59	5.39	5.46	5.25
South Dakota	5.52	6.04	6.88	5.94	5.71	6.70	7.08	7.55
Tennessee	5.75	6.18	6.31	6.37	5.76	5.68	5.54	5.55
Texas	3.10	3.37	4.71	4.50	3.98	4.26	4.35	4.36
Utah	6.74	6.65	5.87	6.54	5.69	5.53	5.55	5.76
Vermont	6.25	5.70	6.63	6.37	5.90	5.86	5.58	5.48
Virginia	5.28	5.76	6.43	6.29	6.16	6.48	6.33	6.27
Washington	9.40	9.63	8.55	9.06	8.73	8.38	8.42	8.44
West Virginia	3.37	3.79	5.00	5.00	5.24	5.13	5.27	5.13
Wisconsin	6.67	6.78	8.08	7.59	6.98	6.30	6.93	6.52
Wyoming	5.40	6.48	5.89	5.00	5.74	5.30	5.74	6.15
Total	4.71	4.87	5.62	5.62	5.02	5.03	5.02	4.96

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	4.99	5.72	6.10	5.82	5.54	6.77	5.75
Alaska	8.10	7.85	7.84	7.82	7.86	8.41	8.66
Arizona	7.59	7.60	7.55	7.36	7.61	7.57	6.28
Arkansas	7.12	7.02	7.11	6.92	6.46	6.50	6.74
California	7.84	7.65	7.71	8.24	8.86	7.65	7.50
Colorado	7.70	7.75	7.22	6.94	7.00	6.67	6.28
Connecticut	7.25	7.89	8.93	8.83	8.62	8.91	7.86
Delaware	10.43	11.53	10.88	10.81	10.18	10.20	10.35
District of Columbia	--	--	--	--	--	--	--
Florida	7.29	6.90	7.23	6.86	6.90	6.57	7.66
Georgia	6.14	6.34	6.23	6.00	6.56	7.25	6.27
Hawaii	27.40	28.06	27.22	26.96	26.47	27.21	26.63
Idaho	5.63	6.14	5.72	5.88	6.58	6.17	6.17
Illinois	10.61	9.49	10.08	11.32	9.26	7.00	6.33
Indiana	8.50	6.68	7.68	8.89	9.83	6.97	7.64
Iowa	7.60	8.66	7.78	7.91	8.87	8.77	7.20
Kansas	5.60	5.67	5.79	6.37	7.73	7.74	6.94
Kentucky	5.52	5.73	5.86	5.67	6.20	7.00	5.86
Louisiana	4.89	5.26	5.36	5.22	5.57	6.42	5.11
Maine	10.53	10.30	11.01	13.58	13.86	12.73	11.37
Maryland	11.73	10.14	12.22	9.76	8.67	10.46	9.34
Massachusetts	10.32	10.21	11.59	13.53	13.08	11.68	11.19
Michigan	8.61	8.14	8.02	7.44	8.87	8.19	7.08
Minnesota	6.14	6.09	6.28	6.22	10.04	7.01	5.69
Mississippi	6.93	6.86	6.30	5.58	5.62	6.30	6.38
Missouri	8.38	8.39	8.49	8.43	7.95	7.39	7.58
Montana	10.23	9.58	10.34	9.35	8.61	7.22	7.17
Nebraska	5.96	4.87	5.36	6.26	6.18	4.51	5.37
Nevada	8.60	7.66	7.52	7.39	7.64	7.28	6.89
New Hampshire	8.60	9.90	11.13	12.00	10.57	10.26	9.64
New Jersey	10.88	10.41	9.25	9.93	10.82	11.70	10.06
New Mexico	6.24	6.24	6.05	6.46	6.69	6.47	5.82
New York	7.93	8.10	8.66	8.68	9.38	8.64	8.01
North Carolina	7.31	7.35	7.72	7.54	7.58	8.02	7.62
North Dakota	4.43	4.57	4.76	5.00	9.44	7.48	5.07
Ohio	7.03	8.56	8.11	7.36	6.91	7.37	6.11
Oklahoma	8.91	22.75	15.07	8.00	10.19	6.32	6.71
Oregon	6.16	6.09	6.01	6.02	5.97	5.96	6.00
Pennsylvania	10.15	10.70	10.32	9.89	11.17	9.47	10.02
Rhode Island	12.68	10.71	11.39	9.42	9.09	8.87	8.76
South Carolina	5.90	6.16	6.33	6.25	6.77	7.41	6.88
South Dakota	7.59	7.25	6.79	7.83	8.55	6.97	6.10
Tennessee	6.04	6.41	6.61	6.63	6.98	7.15	6.42
Texas	4.90	4.82	5.03	4.87	5.05	5.69	4.63
Utah	5.82	5.54	5.49	6.31	6.41	6.10	5.89
Vermont	5.97	6.42	6.10	6.10	10.64	6.93	6.90
Virginia	6.74	6.45	6.59	6.84	6.85	6.48	5.97
Washington	8.49	8.44	8.36	8.26	8.51	8.55	8.63
West Virginia	5.35	4.58	4.50	4.69	5.03	5.19	4.56
Wisconsin	7.37	6.72	10.57	8.98	11.91	8.09	7.24
Wyoming	6.01	6.08	6.08	7.04	6.52	5.51	5.37
Total	5.43	5.46	5.74	5.85	6.47	6.63	5.69

^R Revised data.

-- Not applicable.

^{NA} Not available.

Notes: Geographic coverage is the 50 states and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. Published prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges. Prices are in nominal dollars. See Appendix A, Explanatory Note 8, for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of total residential, total commercial, and total industrial deliveries.

Sources: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2014-2016
(dollars per thousand cubic feet)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	W	W	W	W	W	W	W	W
Alaska	6.59	5.39	5.07	6.86	6.52	6.49	6.81	7.10
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	3.48	5.29	3.43	3.59	3.45	3.48	2.98
Colorado	W	W	W	W	W	W	W	W
Connecticut	3.52	4.51	W	2.45	2.92	3.09	3.13	2.33
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	3.94	3.72	3.43
Georgia	W	W	W	3.59	3.59	3.33	3.30	3.03
Hawaii	--	--	--	--	--	--	--	--
Idaho	3.10	3.44	W	4.78	3.38	2.89	2.83	2.47
Illinois	W	W	W	3.18	3.29	3.07	3.05	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.69	3.39	6.54	3.00	3.00	2.94	2.83	2.63
Kansas	3.38	3.93	5.87	3.96	3.52	3.53	3.26	3.07
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	3.08	2.63
Maine	W	W	W	W	W	W	W	W
Maryland	2.93	W	W	2.75	2.47	2.97	2.94	3.01
Massachusetts	2.92	4.58	6.50	3.36	2.97	3.18	2.86	2.34
Michigan	2.73	3.39	7.05	3.19	3.32	3.12	3.04	2.75
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	W	--	--	--	--	--
Nebraska	3.27	4.02	5.91	3.54	3.70	3.48	3.41	3.32
Nevada	2.93	3.41	W	3.50	3.39	3.23	3.38	2.57
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.06	3.21	4.91	1.86	1.70	1.92	2.09	2.13
New Mexico	2.98	3.34	5.11	3.30	3.43	3.30	3.31	2.87
New York	2.55	3.65	5.69	1.98	2.18	2.54	2.75	2.38
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.64	2.85	4.37	3.10	3.07	2.98	2.88	2.63
Ohio	2.27	2.50	W	2.30	2.59	2.55	2.80	2.32
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.78	2.68	5.27	1.29	1.51	1.68	1.86	1.90
Rhode Island	W	W	W	W	W	W	2.92	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	2.61	3.47	5.53	3.38	3.39	2.94	2.87	2.53
Tennessee	2.52	2.82	4.70	3.15	2.91	2.69	2.74	2.37
Texas	2.62	2.98	4.70	3.24	3.13	2.94	2.95	2.62
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	W	W	W	1.69	1.97	W	3.21	2.00
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	--	5.84	W	4,893.63	10.24	5.57	--	17.60
Total	2.89	3.49	5.29	3.24	3.19	3.07	3.07	2.77

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2016					Total	2015	
	May	April	March	February	January		December	November
Alabama	W	W	W	W	W	3.06	W	W
Alaska	6.43	6.47	6.34	6.43	6.47	5.40	5.44	5.48
Arizona	W	W	W	W	W	3.43	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	2.47	2.59	2.85	3.08	3.39	2.95	2.94
Colorado	W	W	W	W	W	3.81	W	W
Connecticut	2.39	2.74	4.63	5.63	6.12	4.73	5.06	5.14
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	4.41	3.98	3.90
Georgia	2.44	2.40	2.23	W	W	3.27	W	2.64
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.41	11.72	2.26	2.25	2.67	2.89	2.41	2.72
Illinois	2.25	2.24	2.32	W	W	W	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.10	2.61	2.23	2.57	2.96	3.23	2.60	5.06
Kansas	3.15	3.16	2.84	4.22	4.26	3.95	4.66	4.03
Kentucky	W	W	W	3.35	W	W	W	2.50
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W	W
Maryland	2.50	2.40	2.69	5.64	3.59	4.06	3.13	3.11
Massachusetts	2.11	2.99	1.99	3.46	4.73	4.38	2.53	3.62
Michigan	2.28	2.31	2.14	2.37	2.66	3.21	2.17	2.56
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--	--
Nebraska	2.77	2.44	2.34	2.81	3.52	3.97	3.63	3.37
Nevada	2.54	2.40	2.30	2.78	2.98	3.34	3.00	2.85
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	1.95	1.76	1.62	2.83	3.02	2.96	1.71	1.80
New Mexico	2.47	2.69	2.56	2.57	2.91	3.21	2.46	2.64
New York	2.12	2.36	2.22	3.41	3.76	3.51	2.96	2.69
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.04	2.09	1.90	2.22	2.45	2.89	2.07	2.08
Ohio	2.03	2.01	1.63	2.00	2.20	2.42	1.91	2.09
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.65	1.61	1.43	2.33	2.70	2.52	1.55	1.59
Rhode Island	2.23	W	W	W	W	W	W	3.50
South Carolina	W	W	W	W	W	W	W	W
South Dakota	2.10	2.07	1.82	2.08	2.57	3.31	2.25	2.92
Tennessee	1.96	1.96	2.05	2.33	2.58	2.74	2.33	2.31
Texas	2.17	2.14	1.91	2.19	2.53	2.88	2.23	2.30
Utah	W	W	W	W	2.81	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	3.55	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	2.03	2.12	1.92	2.07	2.22	W	1.52	1.90
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	12.15	5.88	4.39	7.69	13.31	5.18	7.01	4.13
Total	2.49	2.52	2.33	2.83	3.17	3.37	2.71	2.78

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	2.78	3.07	3.13	3.25	3.17	3.26	W	W
Alaska	5.45	5.48	5.21	5.19	5.14	4.86	5.47	5.41
Arizona	W	W	3.47	3.54	3.47	3.73	W	W
Arkansas	W	W	W	W	W	W	W	W
California	3.18	3.29	3.52	3.53	3.51	3.44	3.34	3.50
Colorado	W	W	W	W	W	W	W	W
Connecticut	3.17	3.08	2.69	2.48	2.19	2.30	2.99	6.91
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.31	4.46	4.45	4.43	4.52	4.39	W	W
Georgia	2.85	3.31	3.36	3.40	3.38	3.57	3.28	3.42
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.92	3.01	2.92	2.85	2.74	3.08	3.05	16.18
Illinois	W	3.12	W	W	3.04	W	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.89	2.98	3.12	3.06	3.07	3.18	2.98	3.43
Kansas	4.88	3.68	3.70	3.52	3.68	4.33	4.32	4.06
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	3.20	W	W	W	W	W
Maine	W	W	W	W	W	W	W	W
Maryland	3.05	3.18	4.07	3.73	3.09	3.25	2.58	W
Massachusetts	4.31	4.14	3.08	2.57	3.18	3.16	3.36	8.64
Michigan	2.91	3.32	3.40	3.30	3.18	3.25	3.24	3.57
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--	--
Nebraska	3.22	3.38	5.08	3.81	3.59	4.01	3.63	4.02
Nevada	3.24	3.30	3.38	3.43	3.43	3.21	3.27	3.45
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.00	2.08	2.20	2.07	2.34	2.32	2.43	3.67
New Mexico	3.11	3.13	3.28	3.86	3.61	3.26	3.03	3.09
New York	2.60	2.51	2.61	2.56	2.71	2.76	2.82	4.48
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.67	3.09	3.03	2.87	2.70	2.71	2.75	2.73
Ohio	2.17	2.26	2.25	2.30	2.20	2.38	2.23	2.75
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	2.66	2.85
Pennsylvania	1.71	2.00	1.80	2.02	1.83	2.01	2.02	3.06
Rhode Island	3.74	2.78	2.42	2.40	1.96	2.15	3.41	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	2.90	3.31	4.23	3.78	3.53	3.06	3.46	2.77
Tennessee	2.47	2.61	2.71	2.74	2.75	2.28	2.66	3.35
Texas	2.66	2.88	3.01	3.03	2.98	3.02	2.82	3.02
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	2.82	W	W
Washington	W	W	W	W	W	W	3.50	4.41
West Virginia	W	W	1.94	2.07	2.48	2.41	W	2.64
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	5.08	4.46	6.95	5.28	4.77	3.80	15.03	5.54
Total	3.03	3.19	3.22	3.23	3.24	3.28	3.23	3.71

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2015							2014
	February	January	Total	December	November	October	September	August
Alabama	W	W	W	W	W	W	W	W
Alaska	5.49	5.95	5.06	5.13	4.97	4.96	5.33	5.27
Arizona	W	W	5.30	W	4.88	4.57	4.89	4.78
Arkansas	W	W	W	W	W	W	W	W
California	3.73	3.91	5.22	4.70	4.86	4.62	4.81	4.81
Colorado	W	4.72	5.49	5.21	W	4.87	W	W
Connecticut	12.82	8.77	6.82	5.85	5.18	3.01	W	4.70
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.78	W	5.58	W	W	W	W	5.06
Georgia	W	W	4.98	4.06	4.71	4.36	4.56	4.51
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	3.03	W	5.44	4.95	9.58	4.46	4.31
Illinois	4.81	W	W	W	W	4.17	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	4.70	4.98	6.16	4.13	5.40	4.08	4.29	4.21
Kansas	4.50	5.25	5.65	4.69	5.47	5.14	5.04	4.81
Kentucky	W	W	W	W	W	W	6.78	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W	W
Maryland	W	6.65	5.35	W	4.86	W	4.46	4.27
Massachusetts	13.60	12.21	6.66	9.13	5.68	3.60	3.78	3.19
Michigan	4.11	3.61	6.71	4.37	4.96	4.51	4.67	4.66
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	W	W	W	W	W	W
Nebraska	4.90	4.48	5.84	4.89	5.25	4.63	5.01	4.74
Nevada	3.54	4.10	W	4.98	4.69	4.78	4.81	4.71
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	9.88	5.80	4.86	3.94	4.15	2.75	2.90	2.79
New Mexico	3.11	3.71	4.93	4.00	4.51	4.79	4.61	4.59
New York	9.93	6.24	5.42	4.71	4.63	3.28	3.29	3.36
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.93	2.74	4.09	4.05	4.98	3.38	3.46	3.68
Ohio	3.31	2.92	4.31	3.65	3.80	W	3.35	3.31
Oklahoma	W	W	W	W	W	W	W	W
Oregon	3.12	3.24	W	W	W	W	W	W
Pennsylvania	8.29	4.28	5.04	3.21	3.80	2.27	2.45	2.55
Rhode Island	W	9.99	W	6.04	5.64	3.70	3.54	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	3.05	2.94	4.98	3.59	3.41	6.85	5.00	4.07
Tennessee	3.27	3.59	4.64	4.36	4.28	4.08	4.07	3.94
Texas	3.09	3.26	4.62	4.01	4.21	4.10	4.19	4.13
Utah	3.37	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	6.12	W	W	W	W	W
Washington	3.46	4.63	W	W	W	W	W	W
West Virginia	W	2.95	W	3.09	3.49	W	W	W
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	9.15	5.89	W	W	W	W	W	W
Total	4.99	4.29	5.19	4.50	4.68	4.23	4.34	4.25

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2014-2016
(dollars per thousand cubic feet) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	5.26	5.42	5.49	5.47	4.50	4.56	4.61
Arizona	5.17	5.32	5.78	6.06	W	7.51	5.85
Arkansas	W	W	W	W	W	W	W
California	5.07	5.44	5.47	5.40	5.81	6.86	5.24
Colorado	W	W	W	6.06	6.26	W	W
Connecticut	3.72	4.42	4.13	5.01	11.54	17.46	14.98
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	5.65	W	6.74	5.76
Georgia	4.75	5.29	5.35	5.43	W	W	5.57
Hawaii	--	--	--	--	--	--	--
Idaho	4.43	6.72	9.94	W	W	W	W
Illinois	W	5.24	5.28	W	W	W	15.05
Indiana	W	W	W	W	W	W	W
Iowa	5.36	5.82	5.59	6.99	20.70	17.00	12.72
Kansas	5.11	5.33	5.25	5.70	7.66	10.85	6.11
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	4.73	5.36	W	5.52	6.73	10.75	W
Massachusetts	4.11	4.69	4.23	5.38	12.90	21.95	18.76
Michigan	5.12	5.34	5.27	5.38	12.31	12.39	7.96
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	W	W	W	W	W	W	W
Nebraska	4.89	5.47	6.15	5.71	11.85	15.47	7.75
Nevada	5.44	5.34	W	5.85	7.01	6.17	5.35
New Hampshire	W	W	W	W	W	W	W
New Jersey	3.34	3.79	3.81	4.66	6.19	8.31	15.15
New Mexico	4.79	5.35	5.20	5.22	5.21	6.86	4.98
New York	3.96	4.40	4.69	5.19	8.44	11.00	11.85
North Carolina	W	W	W	W	W	W	W
North Dakota	4.19	5.63	4.71	--	8.38	--	--
Ohio	3.69	4.27	4.49	4.68	5.54	6.62	5.51
Oklahoma	W	W	W	5.20	W	7.08	5.30
Oregon	W	5.11	W	5.18	5.93	W	W
Pennsylvania	2.94	3.39	3.87	4.49	6.16	8.72	21.06
Rhode Island	3.85	4.33	W	5.25	13.17	21.46	22.70
South Carolina	W	W	W	W	W	W	W
South Dakota	3.41	5.73	3.89	5.07	9.39	18.50	8.59
Tennessee	4.33	4.74	4.34	4.98	5.57	5.93	5.87
Texas	4.41	4.85	4.79	4.86	5.24	6.54	4.82
Utah	W	W	W	4.95	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	4.88	6.61	8.02	17.85
Washington	W	5.27	W	5.44	6.17	W	W
West Virginia	W	4.04	4.37	5.58	6.65	W	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W	W
Total	4.58	4.99	5.09	5.25	6.29	7.80	7.46

^a The electric power sector comprises electricity-only (utilities and independent power producers) and combined-heat-and-power plants within the NAICS 22 sector, whose primary business is to sell electricity, or electricity and heat, to the public.

-- Not applicable.

^w Withheld.

Notes: Geographic coverage is the 50 states and the District of Columbia. Prices are in nominal dollars.

Sources: Energy Information Administration (EIA): Form EIA-923, "Power Plant Operations Report."

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2014-2016

State	2016 10-Month YTD			2015 10-Month YTD			2014 10-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	77.3	NA	98.8	78.2	23.3	100.0	78.7	23.3
Alaska	100.0	98.2	100.0	100.0	97.8	100.0	100.0	93.5	100.0
Arizona	100.0	82.8	16.2	100.0	83.4	16.2	100.0	84.4	12.5
Arkansas	100.0	38.3	1.4	100.0	43.7	1.7	100.0	46.0	1.8
California	94.9	50.8	3.9	94.6	49.0	3.7	94.7	47.7	3.7
Colorado	100.0	93.8	NA	100.0	94.1	7.2	100.0	94.0	7.1
Connecticut	96.2	NA	48.9	96.3	76.0	46.7	95.9	65.1	38.5
Delaware	100.0	38.2	NA	100.0	47.9	0.3	100.0	47.5	0.3
District of Columbia	NA	19.3	0.0	73.5	21.6	0.0	75.6	19.8	0.0
Florida	97.7	28.4	3.3	97.8	30.1	3.4	97.9	32.2	3.4
Georgia	NA	100.0	22.2	100.0	100.0	21.1	100.0	100.0	19.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	72.2	NA	100.0	71.9	2.4	100.0	74.7	2.8
Illinois	86.1	NA	NA	86.0	35.7	6.0	87.2	38.2	6.2
Indiana	NA	NA	1.7	95.7	67.1	2.0	95.0	66.7	2.0
Iowa	100.0	NA	NA	100.0	70.0	3.3	100.0	73.6	3.7
Kansas	100.0	NA	NA	100.0	56.7	10.5	100.0	58.6	9.7
Kentucky	96.7	77.5	17.7	96.2	79.3	16.1	96.1	80.0	17.4
Louisiana	NA	NA	3.2	100.0	79.1	3.1	100.0	79.3	3.3
Maine	NA	NA	NA	100.0	52.4	4.5	100.0	48.0	1.5
Maryland	73.7	25.5	NA	72.6	27.8	7.8	72.5	26.7	7.2
Massachusetts	98.9	41.2	23.3	99.5	45.9	27.6	99.5	42.2	21.9
Michigan	92.8	54.3	NA	92.8	55.6	6.9	91.9	54.2	7.4
Minnesota	100.0	NA	NA	100.0	83.7	15.3	100.0	90.3	16.8
Mississippi	NA	84.2	9.7	99.7	86.1	9.6	100.0	87.6	10.1
Missouri	100.0	71.4	NA	100.0	71.4	12.7	100.0	70.3	13.9
Montana	99.6	48.0	NA	99.7	53.0	1.4	99.9	54.3	1.4
Nebraska	87.9	59.5	6.1	88.2	56.4	7.2	87.9	56.2	7.4
Nevada	NA	NA	NA	100.0	56.5	11.5	100.0	57.9	12.7
New Hampshire	100.0	53.8	NA	100.0	59.1	10.1	100.0	56.8	8.6
New Jersey	94.3	NA	NA	93.3	41.7	7.0	90.2	31.9	6.4
New Mexico	100.0	55.9	8.5	100.0	56.6	7.5	100.0	56.8	7.9
New York	100.0	100.0	5.9	100.0	100.0	6.3	100.0	100.0	6.2
North Carolina	100.0	NA	10.7	100.0	83.6	10.7	100.0	84.3	9.9
North Dakota	100.0	92.4	30.1	100.0	92.8	39.5	100.0	92.9	35.7
Ohio	100.0	100.0	NA	100.0	100.0	2.0	100.0	100.0	1.9
Oklahoma	100.0	42.0	NA	100.0	45.9	0.7	100.0	44.8	0.8
Oregon	100.0	NA	15.1	100.0	95.2	16.6	100.0	95.9	17.1
Pennsylvania	87.4	36.7	NA	86.3	40.6	1.1	86.2	41.1	1.1
Rhode Island	100.0	52.7	3.3	100.0	54.3	5.6	100.0	51.8	8.2
South Carolina	100.0	91.5	41.3	100.0	91.9	42.9	100.0	92.9	44.0
South Dakota	100.0	79.8	NA	100.0	80.2	4.2	100.0	81.1	4.1
Tennessee	100.0	NA	27.1	100.0	88.8	29.8	100.0	90.8	30.0
Texas	NA	NA	NA	99.8	71.6	41.1	99.8	72.5	40.6
Utah	100.0	75.9	5.7	100.0	76.4	7.8	100.0	77.8	9.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.7	51.2	NA	89.5	54.4	10.5	89.9	55.2	11.0
Washington	NA	NA	6.0	100.0	83.9	5.9	100.0	85.2	6.5
West Virginia	100.0	49.1	NA	100.0	53.5	15.9	100.0	55.3	15.7
Wisconsin	100.0	69.5	15.3	100.0	71.5	16.4	100.0	76.0	18.7
Wyoming	NA	50.8	NA	72.3	51.5	1.9	72.6	60.3	1.3
Total	95.8	64.3	14.7	95.6	65.7	15.0	95.5	65.4	14.9

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2014-2016 – continued

State	2016								
	October			September			August		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	69.7	25.3	100.0	73.3	NA	100.0	72.1	24.5
Alaska	100.0	97.5	100.0	100.0	96.5	100.0	100.0	96.6	100.0
Arizona	100.0	78.2	18.5	100.0	79.5	19.8	100.0	79.6	14.3
Arkansas	100.0	25.8	1.3	100.0	28.4	1.5	100.0	26.9	1.1
California	95.0	49.7	4.3	94.8	47.0	3.1	94.4	43.3	3.2
Colorado	100.0	92.3	NA	100.0	90.6	NA	100.0	89.1	4.3
Connecticut	95.1	67.6	47.9	95.6	64.1	48.8	95.6	NA	49.8
Delaware	100.0	22.8	NA	100.0	23.4	NA	100.0	24.2	0.2
District of Columbia	NA	16.0	0.0	68.7	13.6	0.0	69.4	14.8	0.0
Florida	97.4	27.7	3.1	97.7	26.2	3.2	97.8	28.0	3.2
Georgia	100.0	100.0	22.2	NA	100.0	21.0	100.0	100.0	23.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	67.2	NA	100.0	59.6	2.2	100.0	61.4	2.5
Illinois	87.1	28.9	4.1	86.1	22.1	NA	86.0	NA	2.2
Indiana	95.0	63.7	1.5	95.6	56.2	1.0	95.6	50.7	1.0
Iowa	100.0	65.9	4.3	100.0	NA	3.0	100.0	R49.1	2.6
Kansas	100.0	37.6	NA	100.0	R30.4	R12.6	100.0	R29.6	21.4
Kentucky	98.0	69.3	16.9	97.6	66.8	17.3	97.6	64.7	17.6
Louisiana	NA	73.6	3.2	100.0	76.0	3.1	100.0	75.4	3.1
Maine	100.0	49.8	6.9	NA	NA	5.1	100.0	47.4	5.7
Maryland	74.4	21.2	NA	73.5	16.8	NA	71.7	18.4	NA
Massachusetts	98.6	31.5	19.3	98.7	24.2	19.5	98.6	23.7	18.4
Michigan	93.1	48.7	3.5	93.6	38.9	NA	92.1	32.8	2.5
Minnesota	100.0	83.3	16.6	100.0	75.6	NA	100.0	74.7	12.4
Mississippi	100.0	81.0	10.9	100.0	80.3	10.9	100.0	81.2	9.0
Missouri	100.0	61.0	NA	100.0	61.2	9.0	100.0	60.1	8.6
Montana	99.6	40.6	NA	99.5	37.2	NA	99.5	37.6	NA
Nebraska	88.1	57.0	5.2	R88.0	R54.1	5.1	R90.0	R55.8	R4.5
Nevada	NA	NA	11.9	100.0	48.5	NA	100.0	47.4	NA
New Hampshire	100.0	47.2	2.7	100.0	47.2	1.9	100.0	47.4	2.4
New Jersey	94.6	NA	3.2	94.2	16.0	2.2	94.2	19.3	NA
New Mexico	100.0	43.2	13.6	100.0	45.7	10.2	99.9	46.0	13.1
New York	100.0	100.0	4.6	100.0	100.0	4.2	100.0	100.0	R4.0
North Carolina	100.0	77.7	9.2	100.0	76.5	10.1	100.0	NA	9.0
North Dakota	100.0	90.7	38.0	100.0	88.8	39.1	100.0	86.1	9.7
Ohio	100.0	100.0	0.8	100.0	100.0	NA	100.0	100.0	0.7
Oklahoma	100.0	25.5	0.2	100.0	27.5	0.4	100.0	26.9	NA
Oregon	100.0	94.3	15.0	100.0	92.9	14.9	100.0	92.9	13.8
Pennsylvania	88.1	33.0	NA	88.1	27.2	0.2	87.8	28.0	NA
Rhode Island	100.0	54.0	3.5	100.0	54.2	2.7	100.0	55.6	2.3
South Carolina	100.0	90.1	41.4	100.0	89.2	42.1	100.0	90.0	40.3
South Dakota	100.0	76.4	3.1	100.0	72.1	1.9	100.0	69.1	NA
Tennessee	100.0	NA	23.1	100.0	79.1	24.6	100.0	77.7	26.8
Texas	99.7	63.2	38.2	99.8	62.5	40.0	99.8	61.3	NA
Utah	100.0	66.7	4.5	100.0	62.4	5.1	100.0	60.4	4.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.9	45.9	NA	87.8	37.3	8.5	87.5	42.8	7.8
Washington	100.0	85.4	5.4	100.0	81.4	5.0	100.0	78.5	4.5
West Virginia	100.0	39.0	14.6	100.0	29.7	13.7	100.0	27.0	11.8
Wisconsin	100.0	61.9	14.9	100.0	51.7	11.9	100.0	49.4	12.2
Wyoming	77.6	49.0	1.5	R72.1	R50.4	NA	NA	42.5	1.9
Total	95.9	59.8	14.4	96.1	R55.4	14.5	95.8	R55.1	14.6

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2014-2016 – continued

State	2016								
	July			June			May		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.5	24.2	100.0	73.4	21.8	100.0	73.2	24.3
Alaska	100.0	96.2	100.0	100.0	97.0	100.0	100.0	98.0	100.0
Arizona	100.0	80.6	18.5	100.0	81.6	20.3	100.0	81.5	15.2
Arkansas	100.0	26.4	1.2	100.0	26.3	1.1	100.0	27.7	1.1
California	94.9	47.4	3.3	94.6	48.4	3.8	95.1	53.3	3.7
Colorado	100.0	90.9	4.6	100.0	91.4	5.3	100.0	93.3	7.1
Connecticut	96.0	NA	50.0	95.3	70.8	44.5	95.4	72.9	46.4
Delaware	100.0	26.5	NA	100.0	31.2	0.2	100.0	35.9	0.1
District of Columbia	70.2	15.3	--	70.3	15.8	--	70.6	17.0	--
Florida	97.8	25.6	3.1	97.8	26.5	3.5	97.8	28.5	3.2
Georgia	100.0	100.0	22.9	100.0	100.0	23.2	100.0	100.0	21.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	58.9	2.4	100.0	59.8	2.5	100.0	62.4	2.3
Illinois	85.7	22.0	NA	86.3	23.8	NA	82.9	24.9	NA
Indiana	95.1	53.6	0.9	95.0	54.1	1.0	95.2	59.6	1.3
Iowa	100.0	R53.8	R2.2	100.0	R57.3	R2.4	100.0	R62.0	3.5
Kansas	100.0	R32.1	R18.3	100.0	R35.3	R13.5	100.0	NA	R5.6
Kentucky	97.2	67.3	18.2	96.3	66.9	19.0	96.2	71.0	17.5
Louisiana	100.0	NA	2.9	100.0	78.1	3.0	100.0	75.8	3.0
Maine	100.0	49.9	5.6	100.0	50.8	NA	100.0	56.6	NA
Maryland	71.5	16.0	1.3	72.3	20.0	2.0	71.6	24.3	4.0
Massachusetts	98.6	27.3	20.6	98.5	28.7	20.8	98.7	36.9	21.5
Michigan	92.9	38.4	2.3	92.3	41.1	2.6	92.3	49.5	4.4
Minnesota	100.0	72.6	11.0	100.0	73.0	10.4	100.0	NA	14.5
Mississippi	100.0	79.6	8.8	NA	79.9	8.8	100.0	80.2	8.3
Missouri	100.0	60.6	8.2	100.0	61.4	8.5	100.0	62.8	8.5
Montana	99.5	39.5	NA	99.5	44.0	NA	99.5	43.9	1.2
Nebraska	R88.6	R55.9	R4.4	R87.7	R56.6	5.7	R85.3	R56.4	R6.2
Nevada	100.0	49.0	NA	100.0	51.6	9.2	100.0	53.1	10.7
New Hampshire	100.0	44.2	2.7	100.0	46.5	NA	100.0	50.7	NA
New Jersey	94.2	23.7	NA	94.4	24.3	3.0	94.5	31.5	3.3
New Mexico	100.0	47.6	10.7	99.9	51.5	8.9	100.0	55.3	7.5
New York	100.0	100.0	R5.3	100.0	100.0	5.0	100.0	100.0	R5.6
North Carolina	100.0	75.2	9.1	100.0	77.3	9.2	100.0	77.9	9.5
North Dakota	100.0	86.6	16.3	100.0	85.0	37.8	100.0	90.4	39.8
Ohio	100.0	100.0	NA	100.0	100.0	NA	100.0	100.0	0.9
Oklahoma	100.0	29.3	NA	100.0	31.9	NA	100.0	29.6	0.2
Oregon	100.0	NA	13.5	100.0	93.0	13.6	100.0	93.6	13.7
Pennsylvania	87.6	26.8	0.3	87.1	27.1	NA	86.9	30.2	NA
Rhode Island	100.0	53.9	3.5	100.0	46.6	3.7	100.0	47.1	3.1
South Carolina	100.0	89.4	40.3	100.0	90.7	42.5	100.0	89.4	41.2
South Dakota	100.0	73.0	2.4	100.0	72.3	3.0	100.0	77.0	3.6
Tennessee	100.0	79.8	25.6	100.0	79.9	26.5	100.0	83.7	27.8
Texas	99.8	64.2	NA	NA	NA	41.4	99.8	63.0	42.1
Utah	100.0	66.2	5.6	100.0	67.5	6.2	100.0	69.4	6.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.7	39.9	9.3	87.9	43.5	7.6	88.5	47.7	11.0
Washington	100.0	81.1	4.3	NA	NA	4.4	100.0	81.4	5.3
West Virginia	100.0	29.0	10.6	100.0	28.7	11.8	100.0	32.4	13.7
Wisconsin	100.0	48.0	11.5	100.0	57.5	13.0	100.0	58.7	12.1
Wyoming	NA	51.1	NA	R71.0	R46.2	NA	R71.8	R54.6	NA
Total	95.9	R57.0	14.2	95.7	R57.9	14.5	95.4	60.2	R14.5

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2014-2016 – continued

State	2016								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	75.9	21.5	100.0	81.9	24.1	100.0	84.2	25.9
Alaska	100.0	98.5	100.0	100.0	99.0	100.0	100.0	99.0	100.0
Arizona	100.0	83.1	14.5	100.0	83.3	14.3	100.0	85.7	14.0
Arkansas	100.0	38.3	1.4	100.0	46.4	1.7	100.0	53.1	1.8
California	94.6	54.2	4.0	94.9	52.5	3.7	94.9	53.4	4.8
Colorado	100.0	93.6	7.1	100.0	94.6	8.8	100.0	94.6	9.5
Connecticut	96.2	75.9	47.1	96.4	79.9	49.4	96.6	80.7	52.1
Delaware	100.0	40.8	0.1	100.0	47.8	0.4	100.0	49.4	0.5
District of Columbia	71.8	18.7	--	74.7	22.9	--	74.8	22.0	--
Florida	97.4	29.4	3.2	97.6	29.8	3.4	97.9	31.0	4.2
Georgia	100.0	100.0	22.7	100.0	100.0	21.8	100.0	100.0	22.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	67.4	2.4	100.0	76.5	2.3	100.0	80.3	2.3
Illinois	84.7	32.6	5.4	84.5	35.3	7.4	86.5	39.8	9.1
Indiana	NA	NA	1.8	95.3	64.0	2.1	95.9	70.2	2.7
Iowa	100.0	R69.7	3.4	100.0	R69.8	4.3	100.0	75.2	NA
Kansas	100.0	NA	NA	100.0	R49.9	R4.3	100.0	65.8	1.3
Kentucky	96.2	75.6	18.3	95.9	79.7	17.1	96.4	83.5	18.4
Louisiana	100.0	79.4	3.5	100.0	81.0	3.4	100.0	81.0	3.8
Maine	100.0	60.5	NA	100.0	60.0	NA	100.0	61.4	NA
Maryland	73.6	25.3	6.0	72.5	28.4	8.9	74.4	30.5	12.5
Massachusetts	98.9	43.5	24.7	99.0	49.2	28.9	99.1	49.4	27.0
Michigan	92.8	57.7	6.6	92.5	58.7	8.5	92.8	60.0	9.9
Minnesota	100.0	83.5	NA	100.0	83.9	15.1	100.0	84.1	NA
Mississippi	NA	82.7	9.2	100.0	86.0	11.0	100.0	88.1	11.6
Missouri	100.0	69.5	11.4	100.0	75.8	12.9	100.0	76.4	16.0
Montana	99.6	52.3	NA	99.6	47.3	NA	99.7	52.0	1.9
Nebraska	R86.0	R58.4	R6.3	R89.2	R63.4	R7.5	89.6	61.2	R8.6
Nevada	100.0	55.5	11.7	100.0	59.7	12.5	100.0	67.7	17.8
New Hampshire	100.0	53.4	NA	100.0	55.8	NA	100.0	57.3	NA
New Jersey	94.3	42.8	5.5	94.4	41.2	9.8	94.2	46.4	12.1
New Mexico	100.0	55.9	7.6	100.0	58.8	5.7	100.0	64.2	4.7
New York	100.0	100.0	5.5	100.0	100.0	7.6	100.0	100.0	8.3
North Carolina	100.0	81.0	10.7	100.0	81.5	12.2	100.0	88.0	13.9
North Dakota	100.0	92.7	22.9	100.0	93.5	30.6	100.0	94.4	23.6
Ohio	100.0	100.0	NA	100.0	100.0	2.0	100.0	100.0	2.9
Oklahoma	100.0	41.9	0.4	100.0	45.7	0.7	100.0	54.3	1.2
Oregon	100.0	93.7	15.0	100.0	94.5	16.3	100.0	94.9	16.9
Pennsylvania	87.3	35.0	0.8	87.1	37.7	1.2	87.1	41.6	1.8
Rhode Island	100.0	51.2	3.1	100.0	52.7	4.0	100.0	53.6	3.6
South Carolina	100.0	89.9	40.9	100.0	90.7	43.7	100.0	93.4	42.3
South Dakota	100.0	80.5	4.6	100.0	80.5	5.9	100.0	82.3	6.8
Tennessee	100.0	86.0	28.5	100.0	90.0	30.0	100.0	92.5	29.3
Texas	99.8	69.3	40.8	99.8	71.9	41.0	99.8	76.4	38.7
Utah	100.0	75.9	6.1	100.0	77.6	5.9	100.0	80.7	5.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.7	51.3	8.5	89.1	51.4	9.4	90.2	57.9	13.8
Washington	100.0	81.4	6.3	100.0	87.4	7.9	100.0	86.7	7.6
West Virginia	100.0	52.0	11.5	100.0	54.7	NA	100.0	63.6	16.7
Wisconsin	100.0	72.1	15.1	100.0	73.8	16.6	100.0	76.8	20.3
Wyoming	R71.9	R52.6	NA	72.1	54.4	NA	R71.8	R50.5	2.3
Total	95.6	R65.1	14.4	95.6	66.8	15.2	95.9	69.4	15.3

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2014-2016 – continued

State	2016						2015		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	77.2	24.3	99.0	77.6	23.3	100.0	76.0	22.8
Alaska	100.0	99.2	100.0	100.0	98.1	100.0	100.0	99.7	100.0
Arizona	100.0	87.1	13.5	100.0	83.8	NA	100.0	85.4	13.7
Arkansas	100.0	47.2	1.6	100.0	42.5	1.7	100.0	41.7	1.7
California	95.2	54.6	5.0	94.9	50.0	3.8	95.6	54.7	4.6
Colorado	100.0	95.7	10.1	100.0	NA	NA	100.0	95.7	9.6
Connecticut	96.6	NA	50.9	96.3	76.2	47.2	96.4	78.4	51.1
Delaware	100.0	41.6	0.3	100.0	45.7	NA	100.0	38.9	0.2
District of Columbia	74.8	22.6	--	73.3	21.4	0.0	72.4	21.9	--
Florida	97.5	29.4	3.0	97.7	NA	NA	97.5	28.6	3.3
Georgia	100.0	100.0	20.8	100.0	100.0	NA	100.0	100.0	20.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.3	2.4	100.0	74.6	2.4	100.0	83.4	2.4
Illinois	87.5	41.1	10.3	86.3	36.1	5.9	86.8	37.1	7.6
Indiana	96.1	71.6	3.1	95.8	67.0	1.9	95.9	67.8	2.0
Iowa	100.0	76.9	4.3	100.0	NA	NA	100.0	75.2	3.8
Kansas	100.0	68.6	0.8	100.0	57.0	NA	100.0	58.6	1.2
Kentucky	97.2	83.3	16.8	96.3	79.2	16.0	96.7	80.6	16.6
Louisiana	100.0	78.3	3.4	100.0	79.1	2.0	100.0	75.6	2.8
Maine	100.0	60.1	NA	100.0	51.5	NA	100.0	58.8	11.2
Maryland	75.0	30.3	14.0	72.7	27.4	NA	72.5	25.1	8.2
Massachusetts	99.2	47.7	23.3	99.4	NA	26.3	99.2	44.2	24.6
Michigan	93.0	60.5	9.4	92.8	55.4	NA	93.1	56.8	8.5
Minnesota	100.0	88.1	NA	100.0	84.3	NA	100.0	89.0	15.3
Mississippi	100.0	88.5	8.6	99.7	NA	9.0	100.0	86.6	8.7
Missouri	100.0	78.9	14.2	100.0	71.1	12.3	100.0	73.1	12.4
Montana	99.7	55.8	1.9	99.7	NA	NA	99.8	54.0	1.6
Nebraska	86.5	60.4	8.9	87.8	56.1	7.1	87.0	58.1	6.7
Nevada	100.0	69.5	20.7	100.0	57.9	NA	100.0	65.8	14.7
New Hampshire	100.0	57.4	10.0	100.0	58.4	NA	100.0	55.4	8.5
New Jersey	94.2	47.4	8.8	93.4	NA	NA	94.3	42.0	7.2
New Mexico	100.0	60.0	4.7	100.0	NA	6.4	100.0	53.6	9.2
New York	100.0	100.0	7.0	100.0	100.0	NA	100.0	100.0	6.6
North Carolina	100.0	89.4	12.7	100.0	NA	10.9	100.0	81.7	11.2
North Dakota	100.0	94.6	30.4	100.0	93.0	39.6	100.0	94.3	24.1
Ohio	100.0	100.0	2.6	100.0	100.0	NA	100.0	100.0	2.1
Oklahoma	100.0	49.3	0.5	100.0	44.1	0.6	100.0	41.0	0.9
Oregon	100.0	95.4	17.3	100.0	NA	16.6	100.0	95.2	16.6
Pennsylvania	87.7	42.5	1.5	86.4	NA	1.0	86.8	38.5	1.0
Rhode Island	100.0	56.3	3.9	100.0	53.9	5.3	100.0	54.1	4.9
South Carolina	100.0	94.8	38.4	100.0	91.3	42.1	100.0	90.7	39.0
South Dakota	100.0	84.4	6.8	100.0	81.0	4.1	100.0	82.6	5.6
Tennessee	100.0	91.2	28.2	100.0	88.6	29.6	100.0	88.3	28.7
Texas	99.8	78.6	40.3	99.8	NA	40.7	99.8	76.3	41.5
Utah	100.0	82.9	6.4	100.0	77.0	8.6	100.0	80.7	5.8
Vermont	100.0	100.0	100.0	100.0	NA	100.0	100.0	100.0	100.0
Virginia	91.3	60.4	11.1	89.5	54.2	NA	89.1	52.9	10.6
Washington	100.0	89.0	8.3	100.0	85.4	6.2	100.0	89.2	8.7
West Virginia	100.0	64.0	13.5	100.0	53.3	NA	100.0	56.1	18.7
Wisconsin	100.0	79.5	20.1	100.0	NA	NA	100.0	74.9	17.5
Wyoming	70.6	49.7	2.3	73.0	NA	NA	74.7	51.2	2.7
Total	96.1	70.4	15.2	95.7	65.9	15.1	96.1	67.6	15.2

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2014-2016 – continued

State	2015								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	69.7	23.0	100.0	68.4	23.6	100.0	69.5	23.1
Alaska	100.0	99.9	100.0	100.0	98.7	100.0	100.0	98.3	100.0
Arizona	100.0	83.2	14.0	100.0	80.1	16.5	100.0	80.0	16.5
Arkansas	100.0	28.2	1.7	100.0	28.1	1.5	100.0	25.7	1.3
California	96.1	51.7	4.1	94.7	46.5	4.0	94.6	43.8	3.2
Colorado	100.0	95.6	9.0	100.0	93.0	6.5	100.0	90.9	5.6
Connecticut	95.9	75.3	50.0	94.6	73.4	48.0	96.2	66.9	44.7
Delaware	100.0	31.6	0.1	100.0	31.6	0.2	100.0	29.9	0.5
District of Columbia	70.2	17.4	--	70.6	15.9	--	69.6	15.0	--
Florida	97.5	27.6	3.5	97.6	27.9	3.1	97.8	27.7	3.6
Georgia	100.0	100.0	20.6	100.0	100.0	21.0	100.0	100.0	20.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	78.9	2.1	100.0	66.8	2.1	100.0	64.2	1.9
Illinois	88.1	35.4	5.8	87.1	30.1	4.1	86.3	20.9	2.9
Indiana	95.9	65.6	1.6	95.4	64.1	1.4	95.9	57.6	1.1
Iowa	100.0	70.4	5.7	100.0	67.2	4.7	100.0	59.3	2.4
Kansas	100.0	52.7	2.6	100.0	39.7	5.8	100.0	35.4	16.7
Kentucky	97.4	76.0	16.5	97.6	72.3	15.7	97.2	68.1	14.7
Louisiana	100.0	72.4	3.0	100.0	74.1	2.9	100.0	73.4	2.8
Maine	100.0	54.8	9.1	100.0	49.3	5.7	100.0	29.9	4.4
Maryland	74.1	28.6	5.3	72.9	23.4	3.3	71.2	18.6	4.5
Massachusetts	99.3	37.8	19.9	99.3	32.2	18.2	99.2	26.3	19.3
Michigan	93.0	54.5	6.1	92.9	48.7	3.4	92.2	36.7	2.4
Minnesota	100.0	82.4	18.1	100.0	82.8	15.0	100.0	74.2	13.1
Mississippi	100.0	79.7	8.8	100.0	82.3	9.2	100.0	80.7	10.0
Missouri	100.0	65.8	9.9	100.0	58.9	9.2	100.0	58.7	8.3
Montana	99.8	47.3	1.6	99.7	43.5	1.6	99.8	44.4	0.9
Nebraska	84.0	48.4	6.4	87.4	52.4	5.6	89.0	43.4	6.3
Nevada	100.0	58.8	17.6	100.0	47.0	9.6	100.0	47.9	8.2
New Hampshire	100.0	53.1	6.8	100.0	48.8	5.2	100.0	49.4	6.5
New Jersey	94.0	37.2	4.4	94.0	27.3	2.7	93.8	18.7	2.2
New Mexico	100.0	45.8	10.8	99.9	39.0	12.4	100.0	47.6	9.9
New York	100.0	100.0	5.0	100.0	100.0	4.4	100.0	100.0	4.6
North Carolina	100.0	81.3	10.2	100.0	79.7	9.9	100.0	75.9	9.2
North Dakota	100.0	93.3	44.1	100.0	90.8	43.1	100.0	87.1	40.8
Ohio	100.0	100.0	1.7	100.0	100.0	1.2	100.0	100.0	0.8
Oklahoma	100.0	24.0	0.4	100.0	26.7	0.3	100.0	28.2	0.2
Oregon	100.0	95.0	16.4	100.0	94.6	16.9	100.0	94.0	17.0
Pennsylvania	87.7	37.2	0.7	87.9	34.5	0.4	87.3	29.5	0.2
Rhode Island	100.0	48.7	4.6	100.0	53.9	3.3	100.0	53.2	3.4
South Carolina	100.0	91.8	43.3	100.0	90.2	44.1	100.0	89.4	43.7
South Dakota	100.0	80.3	5.8	100.0	75.0	3.0	100.0	68.6	2.1
Tennessee	100.0	85.4	29.5	100.0	81.8	31.5	100.0	79.6	29.4
Texas	99.8	66.0	41.1	99.8	64.2	42.0	99.8	62.5	42.4
Utah	100.0	76.1	6.3	100.0	67.0	6.7	100.0	66.7	6.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.3	50.1	7.7	88.9	47.8	10.6	88.4	39.7	8.1
Washington	100.0	88.3	6.2	100.0	82.7	5.7	100.0	81.1	5.0
West Virginia	100.0	49.5	12.4	100.0	46.0	15.8	100.0	27.6	14.6
Wisconsin	100.0	72.1	20.0	100.0	66.0	14.8	100.0	54.3	12.4
Wyoming	75.4	45.1	1.4	76.8	55.9	1.8	75.0	49.1	1.5
Total	96.0	63.9	15.1	95.5	59.5	14.9	95.9	55.8	14.8

^R Revised data.

-- Not applicable.

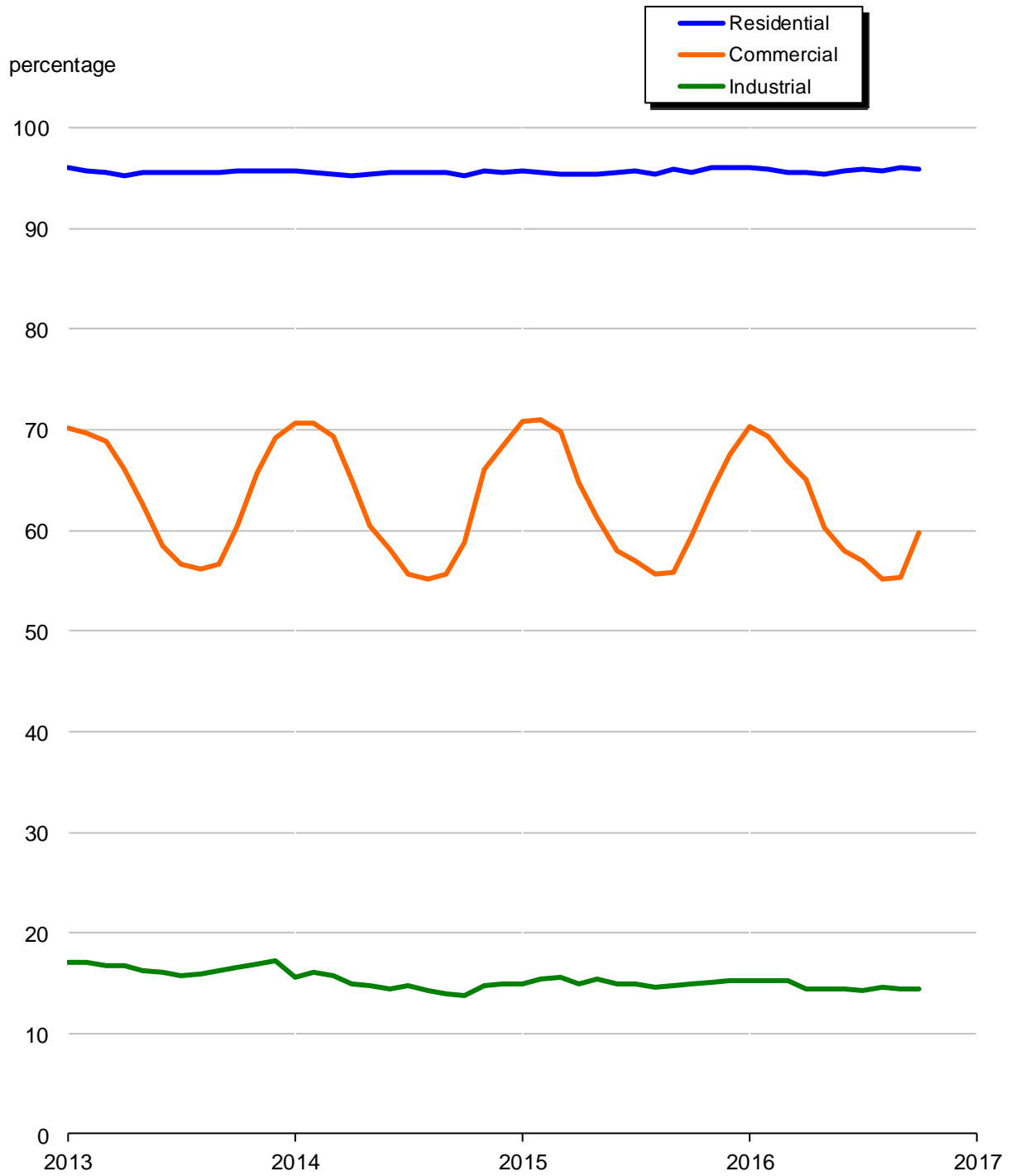
^{NA} Not available.

Notes: Volumes of natural gas reported for the residential, commercial, and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percentage of the total state volume that represents natural gas sales to the residential, commercial, and industrial sectors. This information may be helpful in evaluating residential, commercial, and industrial price data which are based on sales data only. Starting in 2011, residential and commercial price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Sources: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Figure 6

Figure 6. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 2013-2016



Sources: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-910, "Monthly Natural Gas Marketer Survey."

Table 25. Heating value of natural gas consumed, by state, 2014-2016
(Btu per cubic foot)

State	2016	2015	2014	2016				
	10-Month YTD	10-Month YTD	10-Month YTD	October	September	August	July	June
Alabama	1,029	1,030	1,024	1,031	1,032	1,031	1,029	1,026
Alaska	1,001	1,001	1,002	1,001	1,002	1,003	1,003	1,003
Arizona	1,037	1,038	1,029	1,031	1,034	1,035	1,031	1,031
Arkansas	1,024	1,030	1,025	1,018	1,020	1,022	1,021	1,020
California	1,035	1,034	1,028	1,033	1,037	1,038	1,035	1,042
Colorado	1,063	1,059	1,042	1,069	1,075	1,074	1,072	1,071
Connecticut	1,026	1,027	1,020	1,026	1,026	1,025	1,025	1,026
Delaware	1,042	1,050	1,053	1,046	1,046	1,043	1,044	1,042
District of Columbia	1,043	1,044	1,037	1,035	1,038	1,038	1,038	1,034
Florida	1,023	1,024	1,020	1,023	1,026	1,026	1,023	1,020
Georgia	1,030	1,028	1,021	1,032	1,032	1,029	1,028	1,027
Hawaii	987	978	956	952	945	947	967	1,050
Idaho	1,033	1,026	1,023	1,035	1,035	1,035	1,028	1,035
Illinois	1,031	1,029	1,021	1,029	1,028	1,030	1,029	1,027
Indiana	1,039	1,037	1,021	1,048	1,042	1,047	1,035	1,042
Iowa	1,054	1,050	1,037	1,059	1,059	1,061	1,057	1,058
Kansas	1,036	1,038	1,020	1,037	1,038	1,039	1,033	1,034
Kentucky	1,031	1,025	1,028	1,027	1,030	1,038	1,033	1,025
Louisiana	1,032	1,033	1,028	1,022	1,026	1,028	1,022	1,023
Maine	1,025	1,026	1,028	1,016	1,019	1,026	1,023	1,023
Maryland	1,051	1,056	1,049	1,042	1,046	1,051	1,052	1,046
Massachusetts	1,030	1,030	1,031	1,029	1,029	1,028	1,028	1,029
Michigan	1,040	1,029	1,020	1,047	1,047	1,052	1,044	1,041
Minnesota	1,041	1,040	1,032	1,037	1,038	1,036	1,034	1,044
Mississippi	1,031	1,031	1,028	1,032	1,034	1,031	1,022	1,030
Missouri	1,024	1,023	1,015	1,024	1,023	1,024	1,022	1,022
Montana	1,029	1,027	1,027	1,029	1,034	1,033	1,028	1,029
Nebraska	1,055	1,056	1,038	1,068	1,069	1,073	1,070	1,064
Nevada	1,042	1,043	1,033	1,039	1,044	1,045	1,044	1,038
New Hampshire	1,029	1,031	1,032	1,028	1,026	1,026	1,026	1,028
New Jersey	1,040	1,046	1,042	1,038	1,038	1,039	1,038	1,037
New Mexico	1,048	1,040	1,034	1,039	1,048	1,055	1,046	1,049
New York	1,031	1,033	1,031	1,030	1,030	1,029	1,029	1,030
North Carolina	1,036	1,034	1,017	1,039	1,037	1,035	1,033	1,034
North Dakota	1,058	1,044	1,062	1,072	1,061	1,090	1,089	1,070
Ohio	1,070	1,065	1,045	1,072	1,068	1,067	1,068	1,069
Oklahoma	1,049	1,047	1,040	1,050	1,053	1,051	1,049	1,046
Oregon	1,040	1,037	1,024	1,038	1,038	1,046	1,045	1,044
Pennsylvania	1,042	1,048	1,047	1,040	1,041	1,039	1,040	1,041
Rhode Island	1,029	1,028	1,029	1,030	1,029	1,028	1,028	1,028
South Carolina	1,030	1,029	1,023	1,031	1,030	1,030	1,029	1,029
South Dakota	1,056	1,050	1,034	1,053	1,056	1,057	1,060	1,058
Tennessee	1,028	1,026	1,025	1,028	1,026	1,025	1,025	1,024
Texas	1,031	1,033	1,029	1,030	1,034	1,035	1,031	1,027
Utah	1,042	1,043	1,041	1,041	1,041	1,042	1,042	1,040
Vermont	1,026	1,026	1,015	1,019	1,016	1,017	1,016	1,025
Virginia	1,053	1,053	1,039	1,052	1,053	1,054	1,054	1,052
Washington	1,079	1,063	1,042	1,081	1,076	1,085	1,085	1,080
West Virginia	1,090	1,084	1,074	1,083	1,103	1,109	1,108	1,118
Wisconsin	1,035	1,038	1,031	1,036	1,029	1,026	1,026	1,033
Wyoming	1,070	1,053	1,041	1,050	1,054	1,058	1,053	1,048
Total	1,036	1,037	1,030	1,036	1,037	1,037	1,034	1,034

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2014-2016
(Btu per cubic foot) – continued

State	2016					2015		
	May	April	March	February	January	Total	December	November
Alabama	1,028	1,028	1,030	1,025	1,029	1,030	1,029	1,029
Alaska	1,002	1,001	1,001	1,000	1,000	1,001	1,000	1,001
Arizona	1,037	1,042	1,050	1,047	1,046	1,040	1,044	1,041
Arkansas	1,018	1,019	1,017	1,015	1,019	1,020	1,015	1,014
California	1,021	1,035	1,034	1,036	1,038	1,036	1,037	1,037
Colorado	1,066	1,065	1,055	1,052	1,050	1,060	1,051	1,060
Connecticut	1,025	1,026	1,026	1,026	1,026	1,027	1,026	1,027
Delaware	1,042	1,044	1,043	1,050	1,055	1,050	1,049	1,051
District of Columbia	1,035	1,040	1,043	1,049	1,051	1,044	1,044	1,039
Florida	1,021	1,023	1,024	1,025	1,015	1,024	1,023	1,023
Georgia	1,030	1,028	1,030	1,030	1,029	1,027	1,027	1,026
Hawaii	1,018	992	1,003	1,004	998	982	997	996
Idaho	1,044	1,056	1,044	1,038	1,034	1,030	1,041	1,035
Illinois	1,032	1,032	1,030	1,031	1,031	1,029	1,030	1,030
Indiana	1,038	1,034	1,032	1,033	1,030	1,027	1,033	1,034
Iowa	1,057	1,053	1,052	1,052	1,053	1,053	1,056	1,057
Kansas	1,032	1,033	1,037	1,036	1,032	1,036	1,031	1,035
Kentucky	1,018	1,026	1,023	1,025	1,027	1,023	1,024	1,021
Louisiana	1,022	1,021	1,022	1,025	1,024	1,025	1,023	1,022
Maine	1,019	1,024	1,030	1,037	1,035	1,027	1,027	1,025
Maryland	1,047	1,048	1,050	1,055	1,061	1,055	1,050	1,049
Massachusetts	1,029	1,029	1,030	1,032	1,031	1,029	1,030	1,029
Michigan	1,038	1,040	1,036	1,038	1,040	1,033	1,040	1,041
Minnesota	1,042	1,041	1,039	1,035	1,043	1,040	1,041	1,045
Mississippi	1,036	1,033	1,039	1,032	1,031	1,030	1,030	1,029
Missouri	1,021	1,024	1,024	1,023	1,024	1,012	1,023	1,024
Montana	1,023	1,023	1,027	1,030	1,033	1,026	1,034	1,034
Nebraska	1,064	1,062	1,048	1,054	1,054	1,057	1,053	1,055
Nevada	1,039	1,042	1,037	1,042	1,043	1,042	1,042	1,043
New Hampshire	1,027	1,029	1,031	1,039	1,035	1,030	1,030	1,029
New Jersey	1,037	1,039	1,042	1,043	1,044	1,045	1,044	1,044
New Mexico	1,052	1,048	1,048	1,048	1,046	1,038	1,046	1,042
New York	1,029	1,033	1,033	1,034	1,033	1,032	1,033	1,032
North Carolina	1,038	1,038	1,037	1,034	1,034	1,035	1,034	1,033
North Dakota	1,091	1,108	1,099	1,095	1,095	1,086	1,112	1,097
Ohio	1,070	1,068	1,070	1,072	1,073	1,068	1,077	1,077
Oklahoma	1,047	1,044	1,048	1,047	1,049	1,047	1,050	1,047
Oregon	1,043	1,038	1,036	1,034	1,033	1,036	1,036	1,035
Pennsylvania	1,042	1,042	1,042	1,045	1,048	1,047	1,046	1,046
Rhode Island	1,029	1,034	1,025	1,027	1,032	1,028	1,028	1,028
South Carolina	1,030	1,031	1,029	1,031	1,031	1,030	1,030	1,030
South Dakota	1,054	1,052	1,053	1,058	1,060	1,054	1,058	1,053
Tennessee	1,031	1,031	1,034	1,035	1,035	1,029	1,034	1,031
Texas	1,029	1,032	1,030	1,028	1,029	1,034	1,030	1,033
Utah	1,041	1,042	1,041	1,043	1,046	1,044	1,046	1,044
Vermont	1,023	1,028	1,030	1,032	1,029	1,025	1,027	1,027
Virginia	1,054	1,052	1,056	1,055	1,055	1,052	1,057	1,051
Washington	1,078	1,078	1,077	1,075	1,070	1,065	1,073	1,069
West Virginia	1,096	1,096	1,096	1,096	1,092	1,097	1,090	1,114
Wisconsin	1,037	1,038	1,038	1,046	1,045	1,042	1,044	1,043
Wyoming	1,053	1,055	1,071	1,052	1,056	1,060	1,054	1,046
Total	1,034	1,037	1,037	1,038	1,038	1,037	1,038	1,038

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2014-2016
(Btu per cubic foot) – continued

State	2015							
	October	September	August	July	June	May	April	March
Alabama	1,030	1,030	1,030	1,032	1,032	1,031	1,032	1,029
Alaska	1,001	1,001	1,002	1,002	1,002	1,001	1,002	1,001
Arizona	1,042	1,040	1,038	1,038	1,036	1,038	1,040	1,036
Arkansas	1,029	1,019	1,022	1,023	1,020	1,022	1,025	1,023
California	1,035	1,037	1,037	1,037	1,037	1,033	1,034	1,033
Colorado	1,069	1,076	1,069	1,073	1,070	1,059	1,059	1,051
Connecticut	1,028	1,026	1,026	1,027	1,027	1,049	1,026	1,029
Delaware	1,051	1,043	1,044	1,044	1,055	1,055	1,051	1,062
District of Columbia	1,045	1,035	1,036	1,037	1,040	1,044	1,044	1,046
Florida	1,023	1,024	1,024	1,026	1,026	1,026	1,024	1,024
Georgia	1,028	1,029	1,028	1,030	1,031	1,028	1,026	1,025
Hawaii	996	989	965	1,011	1,005	990	959	947
Idaho	1,033	1,024	1,028	1,034	1,010	1,000	1,023	1,030
Illinois	1,028	1,028	1,027	1,027	1,027	1,029	1,028	1,029
Indiana	1,039	1,041	1,044	1,043	1,043	1,037	1,039	1,031
Iowa	1,058	1,058	1,059	1,059	1,060	1,054	1,051	1,047
Kansas	1,037	1,039	1,042	1,040	1,039	1,044	1,036	1,035
Kentucky	1,024	1,020	1,015	1,024	1,021	1,023	1,016	1,015
Louisiana	1,023	1,023	1,024	1,028	1,027	1,028	1,029	1,029
Maine	1,026	1,019	1,018	1,020	1,020	1,022	1,025	1,030
Maryland	1,053	1,050	1,049	1,055	1,057	1,058	1,051	1,058
Massachusetts	1,028	1,027	1,028	1,029	1,027	1,027	1,029	1,030
Michigan	1,034	1,036	1,035	1,034	1,033	1,028	1,035	1,030
Minnesota	1,041	1,039	1,041	1,043	1,047	1,044	1,037	1,033
Mississippi	1,028	1,031	1,029	1,030	1,030	1,032	1,037	1,031
Missouri	1,025	1,026	1,026	1,026	1,026	1,024	1,026	1,025
Montana	1,032	1,032	1,033	1,031	1,030	1,019	1,021	1,028
Nebraska	1,060	1,068	1,071	1,068	1,063	1,061	1,057	1,053
Nevada	1,043	1,044	1,043	1,044	1,045	1,043	1,043	1,041
New Hampshire	1,029	1,028	1,028	1,027	1,028	1,028	1,029	1,033
New Jersey	1,041	1,041	1,042	1,043	1,043	1,043	1,043	1,050
New Mexico	1,048	1,040	1,049	1,038	1,039	1,038	1,034	1,034
New York	1,032	1,032	1,031	1,031	1,032	1,032	1,034	1,034
North Carolina	1,040	1,038	1,037	1,038	1,033	1,035	1,035	1,030
North Dakota	1,093	1,078	1,095	1,117	1,089	1,084	1,084	1,072
Ohio	1,071	1,071	1,068	1,069	1,068	1,072	1,073	1,062
Oklahoma	1,049	1,049	1,047	1,050	1,049	1,048	1,045	1,044
Oregon	1,036	1,038	1,039	1,039	1,042	1,039	1,035	1,032
Pennsylvania	1,045	1,044	1,044	1,044	1,046	1,050	1,049	1,049
Rhode Island	1,028	1,028	1,028	1,028	1,028	1,028	1,029	1,029
South Carolina	1,031	1,031	1,029	1,031	1,030	1,030	1,029	1,028
South Dakota	1,053	1,056	1,060	1,062	1,059	1,054	1,051	1,047
Tennessee	1,032	1,025	1,023	1,027	1,025	1,025	1,027	1,029
Texas	1,036	1,036	1,035	1,036	1,036	1,036	1,034	1,029
Utah	1,044	1,042	1,043	1,043	1,043	1,043	1,049	1,047
Vermont	1,030	1,020	1,019	1,022	1,021	1,021	1,024	1,027
Virginia	1,053	1,055	1,054	1,056	1,055	1,055	1,045	1,051
Washington	1,064	1,066	1,065	1,070	1,069	1,065	1,062	1,060
West Virginia	1,090	1,102	1,099	1,099	1,096	1,107	1,103	1,069
Wisconsin	1,045	1,034	1,040	1,036	1,040	1,038	1,039	1,040
Wyoming	1,040	1,041	1,044	1,042	1,045	1,045	1,043	1,042
Total	1,037	1,037	1,036	1,037	1,037	1,037	1,037	1,036

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2014-2016

(Btu per cubic foot) – continued

State	2015			2014				
	February	January	Total	December	November	October	September	August
Alabama	1,026	1,028	1,024	1,028	1,029	1,027	1,029	1,027
Alaska	1,000	1,000	1,001	1,001	1,001	1,001	1,001	1,001
Arizona	1,038	1,038	1,030	1,032	1,032	1,033	1,032	1,032
Arkansas	1,023	1,021	1,017	1,017	1,011	1,018	1,019	1,021
California	1,035	1,034	1,030	1,034	1,035	1,034	1,033	1,031
Colorado	1,044	1,046	1,047	1,051	1,042	1,055	1,050	1,048
Connecticut	1,026	1,017	1,027	1,017	1,018	1,020	1,021	1,023
Delaware	1,061	1,061	1,060	1,064	1,063	1,063	1,062	1,065
District of Columbia	1,047	1,045	1,043	1,043	1,044	1,041	1,039	1,038
Florida	1,025	1,024	1,021	1,025	1,024	1,023	1,024	1,023
Georgia	1,026	1,025	1,020	1,025	1,026	1,026	1,027	1,023
Hawaii	954	968	959	962	974	968	990	978
Idaho	1,037	1,047	1,017	1,039	1,046	1,019	1,005	996
Illinois	1,030	1,027	1,023	1,024	1,023	1,021	1,021	1,020
Indiana	1,029	1,028	1,019	1,029	1,025	1,027	1,028	1,030
Iowa	1,047	1,045	1,040	1,045	1,044	1,046	1,044	1,047
Kansas	1,034	1,033	1,024	1,025	1,028	1,025	1,027	1,025
Kentucky	1,018	1,023	1,027	1,019	1,017	1,022	1,038	1,036
Louisiana	1,031	1,030	1,027	1,038	1,037	1,034	1,031	1,029
Maine	1,035	1,033	1,029	1,027	1,025	1,016	1,023	1,039
Maryland	1,061	1,059	1,053	1,057	1,057	1,052	1,049	1,051
Massachusetts	1,035	1,035	1,026	1,028	1,029	1,028	1,029	1,029
Michigan	1,026	1,027	1,019	1,029	1,026	1,023	1,022	1,028
Minnesota	1,034	1,041	1,033	1,040	1,038	1,040	1,046	1,051
Mississippi	1,033	1,036	1,028	1,034	1,035	1,033	1,035	1,036
Missouri	1,020	1,017	1,015	1,017	1,017	1,018	1,017	1,018
Montana	1,029	1,028	1,025	1,030	1,026	1,031	1,040	1,036
Nebraska	1,054	1,052	1,042	1,052	1,049	1,053	1,050	1,052
Nevada	1,040	1,040	1,034	1,037	1,036	1,036	1,033	1,035
New Hampshire	1,041	1,037	1,031	1,030	1,028	1,028	1,027	1,030
New Jersey	1,050	1,050	1,042	1,045	1,044	1,039	1,039	1,038
New Mexico	1,038	1,038	1,034	1,037	1,037	1,039	1,041	1,046
New York	1,035	1,034	1,032	1,033	1,032	1,032	1,031	1,031
North Carolina	1,028	1,030	1,021	1,029	1,028	1,025	1,022	1,024
North Dakota	1,078	1,036	1,086	1,096	1,105	1,100	1,123	1,106
Ohio	1,062	1,065	1,057	1,060	1,057	1,054	1,052	1,052
Oklahoma	1,043	1,042	1,039	1,041	1,041	1,043	1,044	1,042
Oregon	1,031	1,031	1,029	1,028	1,028	1,029	1,033	1,035
Pennsylvania	1,054	1,053	1,048	1,052	1,049	1,044	1,045	1,046
Rhode Island	1,029	1,029	1,028	1,029	1,029	1,030	1,027	1,029
South Carolina	1,028	1,030	1,024	1,029	1,028	1,027	1,028	1,024
South Dakota	1,048	1,048	1,041	1,048	1,048	1,049	1,045	1,045
Tennessee	1,029	1,028	1,027	1,028	1,029	1,027	1,024	1,020
Texas	1,028	1,026	1,031	1,030	1,031	1,033	1,033	1,036
Utah	1,046	1,039	1,040	1,037	1,038	1,041	1,040	1,040
Vermont	1,035	1,026	1,017	1,021	1,019	1,015	1,015	1,018
Virginia	1,053	1,056	1,046	1,054	1,055	1,046	1,038	1,040
Washington	1,054	1,052	1,044	1,050	1,049	1,045	1,046	1,047
West Virginia	1,084	1,097	1,090	1,094	1,077	1,082	1,119	1,106
Wisconsin	1,044	1,042	1,035	1,038	1,035	1,034	1,034	1,034
Wyoming	1,041	1,043	1,040	1,036	1,033	1,030	1,031	1,031
Total	1,036	1,036	1,032	1,035	1,034	1,033	1,033	1,033

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2014-2016
(Btu per cubic foot) – continued

State	2014						
	July	June	May	April	March	February	January
Alabama	1,026	1,025	1,024	1,021	1,019	1,017	1,018
Alaska	1,001	1,001	1,001	1,002	1,001	1,004	1,002
Arizona	1,030	1,028	1,028	1,031	1,026	1,025	1,024
Arkansas	1,021	1,019	1,017	1,018	1,015	1,015	1,017
California	1,028	1,028	1,029	1,028	1,024	1,023	1,025
Colorado	1,048	1,050	1,051	1,041	1,038	1,036	1,030
Connecticut	1,022	1,022	1,020	1,019	1,016	1,015	1,015
Delaware	1,063	1,049	1,045	1,051	1,048	1,048	1,052
District of Columbia	1,038	1,038	1,035	1,038	1,031	1,035	1,041
Florida	1,022	1,019	1,019	1,019	1,018	1,018	1,018
Georgia	1,023	1,022	1,021	1,018	1,018	1,018	1,018
Hawaii	951	947	947	947	947	946	947
Idaho	984	993	1,006	1,022	1,030	1,036	1,048
Illinois	1,022	1,020	1,020	1,020	1,020	1,020	1,020
Indiana	1,025	1,023	1,023	1,019	1,019	1,017	1,016
Iowa	1,043	1,039	1,040	1,036	1,034	1,033	1,034
Kansas	1,025	1,023	1,022	1,023	1,019	1,017	1,017
Kentucky	1,034	1,037	1,031	1,028	1,026	1,024	1,029
Louisiana	1,029	1,025	1,028	1,021	1,018	1,016	1,017
Maine	1,031	1,030	1,033	1,030	1,030	1,030	1,029
Maryland	1,051	1,052	1,047	1,049	1,045	1,048	1,053
Massachusetts	1,030	1,031	1,030	1,030	1,031	1,032	1,035
Michigan	1,015	1,019	1,020	1,017	1,021	1,021	1,019
Minnesota	1,042	1,042	1,038	1,034	1,033	1,027	1,031
Mississippi	1,035	1,034	1,030	1,026	1,019	1,014	1,019
Missouri	1,016	1,016	1,011	1,014	1,014	1,013	1,013
Montana	1,038	1,030	1,032	1,027	1,030	1,030	1,034
Nebraska	1,051	1,047	1,043	1,043	1,037	1,034	1,034
Nevada	1,033	1,033	1,032	1,034	1,032	1,033	1,033
New Hampshire	1,033	1,038	1,032	1,031	1,031	1,033	1,037
New Jersey	1,040	1,037	1,035	1,040	1,045	1,047	1,050
New Mexico	1,041	1,033	1,030	1,028	1,027	1,029	1,030
New York	1,031	1,031	1,031	1,031	1,032	1,031	1,032
North Carolina	1,017	1,014	1,016	1,015	1,017	1,018	1,016
North Dakota	1,078	1,079	1,083	1,077	1,074	1,084	1,087
Ohio	1,053	1,048	1,047	1,050	1,041	1,042	1,044
Oklahoma	1,042	1,043	1,040	1,037	1,039	1,036	1,036
Oregon	1,029	1,044	1,041	1,034	1,010	1,012	1,013
Pennsylvania	1,046	1,044	1,044	1,046	1,048	1,050	1,052
Rhode Island	1,029	1,023	1,028	1,030	1,031	1,032	1,031
South Carolina	1,022	1,023	1,022	1,022	1,022	1,021	1,022
South Dakota	1,039	1,041	1,039	1,036	1,035	1,034	1,034
Tennessee	1,032	1,031	1,032	1,027	1,021	1,020	1,020
Texas	1,033	1,032	1,029	1,026	1,028	1,022	1,027
Utah	1,038	1,036	1,038	1,044	1,045	1,044	1,044
Vermont	1,011	1,031	1,026	1,014	1,015	1,009	1,013
Virginia	1,041	1,040	1,038	1,041	1,039	1,040	1,044
Washington	1,049	1,050	1,045	1,042	1,041	1,037	1,035
West Virginia	1,099	1,095	1,094	1,111	1,065	1,073	1,073
Wisconsin	1,029	1,032	1,033	1,032	1,035	1,033	1,031
Wyoming	1,025	1,026	1,029	1,031	1,030	1,032	1,034
Total	1,032	1,030	1,030	1,029	1,029	1,028	1,029

Notes: Geographic coverage is the 50 states and the District of Columbia. Heating value is the average number of British thermal units (Btu) per cubic foot of natural gas as reported on Form EIA-857. See Appendix A, Explanatory Note 11, for further information.

Source: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 26. Natural gas home customer-weighted heating degree days

Month/Year/Type of data	New England	Middle Atlantic	East North Central	West North Central	South Atlantic
	CT, ME, MA, NH, RI, VT	NJ, NY, PA	IL, IN, MI, OH, WI	IA, KS, MN, MO, ND, NE, SD	DE, FL, GA, MD, DC, NC, SC, VA, WV
November					
Normal	703	665	757	841	442
2015	584	509	596	653	325
2016	639	576	575	578	384
% Diff (normal to 2016)	-9.1	-13.4	-24.0	-31.3	-13.1
% Diff (2015 to 2016)	9.4	13.2	-3.5	-11.5	18.2
November to November					
Normal	703	665	757	841	442
2015	584	509	596	653	325
2016	639	576	575	578	384
% Diff (normal to 2016)	-9.1	-13.4	-24.0	-31.3	-13.1
% Diff (2015 to 2016)	9.4	13.2	-3.5	-11.5	18.2

Month/Year/Type of data	East South Central	West South Central	Mountain	Pacific ^b	U.S. Average ^b
	AL, KY, MS, TN	AR, LA, OK, TX	AZ, CO, ID, MT, NV, NM, UT, WY	CA, OR, WA	
November					
Normal	455	305	740	366	589
2015	322	229	731	393	486
2016	351	172	550	263	452
% Diff (normal to 2016)	-22.9	-43.6	-25.7	-28.1	-23.3
% Diff (2015 to 2016)	9.0	-24.9	-24.8	-33.1	-7.0
November to November					
Normal	455	305	740	366	589
2015	322	229	731	393	486
2016	351	172	550	263	452
% Diff (normal to 2016)	-22.9	-43.6	-25.7	-28.1	-23.3
% Diff (2015 to 2016)	9.0	-24.9	-24.8	-33.1	-7.0

^a Normal is based on calculations of data from 1971 through 2000.

^b Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory Note 10, for discussion of Heating Degree-Days computations.

Source: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in understanding the monthly data. Table A1 lists the methodologies for deriving the data to be published for the most recent months shown in Tables 1 and 2. The following explanatory notes describe sources for all NGM tables.

Note 1. Production

Monthly Data

Estimates of gross withdrawals and marketed production for the Lower 48 states are derived from submission by well operators on the monthly Form EIA-914, "Monthly Crude Oil, Lease Condensate and Natural Gas Production Report." For 2014, monthly production volumes are available for only those states/areas that were collected individually on the EIA-914 survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, 10 states (Arkansas, California, Colorado, Kansas, Montana, North

Table A1. Methodology for most recent monthly natural gas supply and disposition data of tables 1 and 2

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Estimated from sample data reported on Form EIA-914
Natural Gas Plant Liquid (NGPL) Production	Derived from data reported on Form EIA-816
Dry Production	Marketed Production minus NGPL Production
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Derived from the Office of Fossil Energy
Additions to Storage	Reported on Form EIA-191
Exports	Derived from the Office of Fossil Energy
Current-Month Consumption	Reported on Form EIA-857, Form EIA-923, and other sources below
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline and Distribution Use	Derived from Deliveries to Consumers
Residential	Estimated from sample data reported on Form EIA-857
Commercial	Estimated from sample data reported on Form EIA-857
Industrial	Estimated from sample data reported on Form EIA-857
Electric Power	Estimated from sample data reported on Form EIA-923
Vehicle Fuel	EIA computations

Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. The sum of individual states may not equal total U.S. volumes due to independent rounding. (See the [EIA-914 Methodology](#) for an explanation of the procedure for estimating state gross withdrawals from reported volumes.) Gross withdrawals for the state of Alaska are obtained from summary reports posted by the state of Alaska, Oil and Gas Conservation Commission.

Marketed production is estimated from gross withdrawals using historical relationships between the two. All monthly data are considered preliminary up to the cover year of the most recent [Natural Gas Annual](#).

Annual Data

Prior to 2011, natural gas production data were collected from 32 gas-producing states on the voluntary Form EIA-895. The form requested data on gross withdrawals, gas vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and NGPL production (formerly known as extraction loss). Beginning in 2011, EIA has obtained similar data directly from the states. The Bureau of Safety & Environmental Enforcement also supplies data on the quantity and value of natural gas production from the Federal waters of the Gulf of Mexico.

Note 2. Natural Gas Plant Liquid (NGPL) Production

Monthly Data

Monthly NGPL production is reported by gas processing plants on Form EIA-816, "Monthly Natural Gas Liquids Report." These liquid volumes are converted to natural gas equivalents using factors consistent with industry standards published by the Gas Processors Association, and instructions to respondents to EIA's annual survey of gas processing plants, Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." Separate values are used for ethane, propane, isobutane, and normal butane. A value for "natural gasoline," reflecting pentanes and higher, is used. A separate value for isopentane is also used when reporting facilities have the capability to separate out and market isopentane on its own. The value for natural gasoline also includes isopentane - this value is used when estimating the volumetric equivalent of "pentanes plus" produced. These factors all are for "real" rather than "ideal" gas volumes stated at a pressure of 14.73 pounds per square inch absolute (psia) at 60 degrees Fahrenheit on a dry basis.

Annual Data

The final NGPL production estimates, published in the NGA, incorporate information received from gas processing plants on Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production." Monthly NGPL production estimates are recalibrated to equate to this total.

Note 3. Supplemental Gaseous Fuels

Monthly Data

All monthly data are considered preliminary until after the publication of the NGA for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Monthly data are revised after publication of the NGA. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This revised ratio is applied to the revised monthly sum of these three supply elements to compute final monthly data.

Annual Data

Annual data on supplemental gaseous fuel supply are reported on Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Note 4. Imports and Exports

Monthly and Annual Data – Imports

Monthly import and export data are from Form FE-746R, "Import and Export of Natural Gas," from the Office of Fossil Energy, U.S. Department of Energy. Annual data are the aggregate of the monthly data for that year.

Note 5. Natural Gas Storage

Note that final monthly and annual storage levels, additions, and withdrawal data shown in Table 1 for 2011 through 2013 include both underground and liquefied natural gas (LNG) storage. Beginning in January 2013, U.S. totals include Alaska data. Prior to 2013, totals only included data from the lower 48 states. Beginning in November 2015, new region breakouts of the storage data shown in Tables 12 and 13 were introduced, replacing the Producing, East, and West region breakouts. The states included in each of the new regions are as follows:

East Region: Connecticut, Delaware, District of Columbia, Florida, Georgia, Massachusetts, Maryland, Maine, New Hampshire, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, Vermont, Virginia, and West Virginia.

South Central Region: Alabama, Arkansas, Kansas, Louisiana, Mississippi, Oklahoma, and Texas.

Midwest Region: Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, Missouri, Tennessee, and Wisconsin.

Mountain Region: Arizona, Colorado, Idaho, Montana, Nebraska, Nevada, New Mexico, North Dakota, South Dakota, Utah, and Wyoming.

Pacific Region: California, Oregon, and Washington.

Monthly Data

Preliminary and final monthly data on underground storage levels, additions, and withdrawals are from the Form EIA-191, "Monthly Underground Gas Storage Report." All operators of underground storage fields complete the survey.

Estimates of monthly LNG additions and withdrawals are calculated by applying the proportion of each month's net injections to underground storage during the injection season to annual LNG additions and the proportion of each month's net withdrawals from underground storage during the withdrawal season to annual LNG withdrawals.

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Annual Data

Final annual data on additions and withdrawals from underground storage facilities are the sum of the monthly data from the EIA-191.

Annual data on LNG additions and withdrawals are from the EIA-176.

Note 6. Consumption

Monthly Data

All monthly data are considered preliminary until after publication of the NGA.

Annual Data

All annual data are from the NGA. Total consumption is the sum of the components of consumption listed below. Monthly data are revised after publication of the NGA.

Residential, Commercial, and Industrial Consumption

Preliminary estimates of monthly deliveries of natural gas to residential, commercial, and industrial consumers in 50 states are based on data reported on Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries." See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures. Monthly data for a given year are revised after the publication of the NGA to correct for any sampling errors. Final monthly data are

estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Vehicle Fuel Use

Monthly U.S. total estimates of natural gas (compressed or liquefied) used as vehicle fuel are derived from an annual estimate of vehicle fuel use provided by the Office of Electricity, Renewables, and Uranium Statistics of EIA.

Electric Power Consumption

Monthly estimates of deliveries of natural gas to electric power producers are derived from data submitted by the sample of electric power producers reporting monthly on Form EIA-923, "Power Plant Operations Report," which replaced Form EIA-906, "Power Plant Report," and Form EIA-920, "Combined Heat and Power Plant Report." The estimates reported in the NGM represent gas delivered to electricity-only plants (utility and independent power producers) and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. For a discussion of these estimates, see the [Electric Power Monthly](#).

Pipeline and Distribution Use

Preliminary monthly estimates are based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's sum of total deliveries plus lease and plant fuel to compute the monthly estimate.

Monthly data are revised after the publication of the NGA. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised sum of total deliveries plus lease and plant fuel to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

Monthly data are revised after publication of the NGA. Final monthly plant fuel data are based on a revised annual ratio of plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected directly from state agencies' websites where available. For states where these data are not available, lease fuel quantities were estimated by applying an average of the states' historical ratio of lease fuel to gross withdrawals. See the NGA for a complete discussion of this process.

Note 7. Balancing Item

The balancing item category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting problems or to issues in survey coverage. Preliminary monthly data in the balancing item category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total disposition. The balancing item may reflect problems in any of the surveys comprising natural gas supply or disposition.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents. Survey coverage problems include incomplete survey frames or problems in sampling design.

Annual data are from the NGA. For an explanation of the methodology used in calculating the annual balancing item, see the NGA.

Note 8. Average Price of Deliveries to Consumers

For most states, price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers by local distribution companies. Published prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges. In the states of Georgia, Maryland, New York, Ohio, and Pennsylvania, the residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those sectors by energy marketers. These latter data are collected on Form EIA-910, "Monthly Natural Gas Marketer Survey." In 2008 through 2010, in the states of Florida, Georgia, Maryland, New Jersey, New York, Ohio, Pennsylvania, and Virginia, residential price data were based on total gas deliveries, and, in the states of Florida, Georgia, Maryland, Michigan, New York, Ohio, Pennsylvania, Virginia, and the District of Columbia, commercial price data were based on total gas deliveries. Beginning in 2011, however, residential and commercial price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. Residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those states by energy marketers as data quality becomes acceptable. Except for these states, none of the prices reflect average prices of natural gas transported to consumers for the account of third parties. Table 24 indicates the percentage of total deliveries included in residential, commercial, and industrial price estimates.

Prices of natural gas delivered to the electric power sector are derived from data reported on the Form EIA-923, "Power Plant Operations Report." Prices from these surveys are also published in the [Electric Power Monthly](#).

Note 9. NGPL Composite Spot Price and Natural Gas Spot Price

Monthly Data

The natural gas plant liquids (NGPL) composite price published in the NGM is derived from spot price data at Mont Belvieu, Texas, from Bloomberg. Daily closing spot prices for ethane, propane, butane, isobutane, and natural gasoline (pentanes plus) are each averaged into a monthly series, then weighted according to the portion of a representative natural gas plant liquids barrel that they occupy. Volume weights are updated monthly using the latest available data collected on Form EIA-816, *Monthly Natural Gas Liquids Report*. The NGPL composite price excludes natural gas liquids produced at crude oil refineries.

Bloomberg spot price data for each natural gas liquids (NGL) product are in cents per gallon. EIA converts these prices into dollars per barrel. Using heat conversion factors from Table A1 in the appendix of the *Annual Energy Review*, "Approximate Heat Content of Petroleum Products," the prices are converted to dollars per million British thermal units (MMBtu) for each natural gas liquid.

The NGPL composite spot price is calculated as:

$$P = \sum \left(p_i * \frac{v_i}{V} \right)$$

where:

P = the NGPL composite spot price in dollars per MMBtu,

p_i = the monthly spot price for natural gas liquids product i in dollars per MMBtu,

V = the total volume of natural gas plant liquids produced in the report month,

v_i = the monthly production volume for natural gas plant liquids product i .

The natural gas spot price is the simple average of the daily closing spot prices for natural gas at the Henry Hub in Louisiana. This series is published by Thompson Reuters and republished by EIA with permission.

Annual Data

The annual NGPL composite spot price represents the average cost of a representative barrel of NGPL in a given year. This annual figure is calculated as the total cost of all NGPL products sold, as priced at Mont Belvieu, divided by the total volume of all NGPL products produced for the year derived by summing the months of natural gas plant liquids production data collected on Form EIA-816.

The annual natural gas spot price represents the average of daily closing spot prices for dry natural gas at the Henry Hub in Louisiana in a given year.

Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published in the NGM, is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the country. The temperature information recorded at these weather stations is used to calculate statewide degree-day averages weighted by gas home customers. The state figures are then aggregated into Census Divisions and into the national average. Table 26 of this report presents the Heating Degree data, and is included in the December through April NGM publications.

Note 11. Heat Content

The Form EIA-857 collects volume and cost data on natural gas delivered to residential, commercial, and industrial consumers, as shown in Tables 2 and 25 of the NGM. Data are reported by a sample of natural gas companies that deliver to consumers in the United States. Respondents are instructed to calculate the average heat content (Btu) by summing the total Btu delivered each month (volume delivered directly to consumers) multiplied by average Btu content per unit volume and then dividing by the total volume delivered directly to consumers during that month. The average Btu content for each month should be that used for billing purposes whether billing was on a therm (100,000 Btu) or dekatherm (1,000,000 Btu) basis. The value for heat content is expected to be in the range of 900 to 1200 Btu/cubic foot.

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Appendix B Data Sources

Note 1. Production

Monthly Data

The data in this publication are taken from survey reports collected by the Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and the Office of Fossil Energy of the U.S. Department of Energy (DOE). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE that has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The Office of Fossil Energy has the authority under Section 3 of the Natural Gas Act of 1938 to grant authorizations for the import and export of natural gas.

Data are collected from annual, quarterly, and monthly surveys. The primary annual report is the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across state lines. Another annual report, Form EIA-895, "Annual Quantity and Value of Natural Gas Production Report," was completed by agencies in the 32 gas producing states through 2010. EIA obtained similar data directly from the states beginning in 2011. The EIA-895 Form collected volumes of natural gas gross withdrawals, those vented and flared, returned to formation, or used on the lease, and the volume of nonhydrocarbons removed from the produced stream. It also collected information on the value of marketed production. The Office of Fossil Energy provides monthly and quarterly files of data on imports and exports. The monthly reports include surveys of the natural gas industry, and of the electric power industry. The monthly natural gas industry surveys are: the Form EIA-191, filed by companies that operate underground storage facilities in the Lower 48 states; the Form EIA-914, filed by a sample of companies that operate wells producing natural gas; the Form EIA-857, filed by a sample of companies that deliver natural gas to consumers; and the Form EIA-910, filed by natural gas marketers in select states. The electric power industry source for both price and consumption data is Form EIA-923, "Power Plant Operations Report." Responses to all current surveys are mandatory. A description of the survey respondents, reporting requirements, and processing of the data is given on the following pages for each of the natural gas surveys. Copies of the forms and instructions are available on the EIA website. Further information about Electric Power forms can be found in Appendix C of the [Electric Power Monthly](#).

[Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"](#)

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a state border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2016

for report year 2015 totaled approximately 2,036 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

The Form EIA-176 is a multi-line, multi-page schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the state indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Data from Form EIA-176 are also published in the [Natural Gas Annual](#) (NGA) and are available from the Form EIA-176 Query system posted on the EIA website. Data reported on this form are not considered proprietary. Response to the form is mandatory.

Form EIA-895, “Monthly and Annual Quantity and Value of Natural Gas Report”

Monthly production data were collected through Form EIA-895, “Monthly and Annual Quantity and Value of Natural Gas Report,” from January 1995 through December 2006. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the states. Data were not considered proprietary. All gas-producing states and the Bureau of Safety & Environmental Enforcement (and predecessor agencies) were requested to report on the Form EIA-895, a voluntary report that was used through 2010.

In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace a prior annual production form. This annual schedule, designated Form EIA-895, continued to be used for collecting production data from states through 2010. In 2011, annual gas production data were obtained directly from publicly available state data.

The commercial recovery of methane from coalbeds and shale plays contributes a significant amount to the production totals in a number of states. Gross production quantities of natural gas from coalbed methane seams and shale plays (in thousand cubic feet) are obtained from PointLogic Energy. Previously, data from LCI Energy Insight (LCI) were used. In 2007-2009, an average daily production rate, available for each year, from coalbed methane and shale were used to allocate production data across months depending on the number of days in each month. For 2010 forward, monthly coalbed and shale data from LCI and, later, PointLogic Energy, were developed with the following method:

[Quarterly Daily Shale Production Rate (MMcf/day) x Number of Days in Quarter x 1000] x [Month Gross Production Volume / Quarter Gross Production Volume]

Beginning in 2010, for Pennsylvania, the quarterly shale data were also used to create a gross production monthly pattern. Data for coalbed and shale gas wells are not shown in the *Natural Gas Monthly*; however, coalbed and shale breakouts are available via the [Natural Gas Navigator](#).

The EIA-895 also collected data on volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production as well as the monthly volume and value of marketed production. From 2011 forward, these data were obtained directly from the states or, where it was not available, estimated by EIA. The annual schedule of the EIA-895 also collected data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). From 2011 forward, the same items were obtained directly from the states or estimated by EIA where it was not available. From 2011 forward, the number of producing wells is from *World Oil Magazine*. All volumes are in thousand cubic feet at the states' standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Form EIA-914, "Monthly Natural Gas Production Report"

The Form EIA-914 is a sample survey of well operators in the Lower 48 states and 16 states or regions (Arkansas, California, Colorado, Kansas, Louisiana, Montana, North Dakota, New Mexico, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Offshore Gulf of Mexico). Current estimates of monthly production are based on this survey. The survey collects natural gas production volume information on a monthly basis, aggregated to the areas specifically requested. Two volumes are requested from respondents for each area in which they operate wells: (1) "gross withdrawals (wet)," which is the full-bore well stream gas minus lease condensate, oil, and water; and (2) "natural gas lease production," which is a measure indicating the net amount of produced gas leaving the lease to go to natural gas processing plants or directly to end-users. Estimates of gross withdrawals in a state are made from the reported gross withdrawal volumes. Marketed production is estimated from gross withdrawals using state estimates of repressuring, vented and flared, and nonhydrocarbon gases removed.

The EIA-914 survey form is an 11-page document, similar in format to other surveys in EIA's Office of Oil, Gas, and Coal Supply Statistics. The form was designed based on direct input from potential respondents during pre-survey design visits and the quality and usability of the survey instrument were established with cognitive testing conducted by survey methodologists in EIA's Statistics and Methods Group. Based on the test results, the form includes imbedded instructions, intended to help respondents complete the form without the need to refer to instructions located elsewhere.

A full description of the survey methodology may be found at the [EIA-914 Methodology](#).

Form EIA-191, "Underground Natural Gas Storage Report"

The Form EIA-191, "Monthly Underground Natural Gas Storage Report," is completed by approximately 131 companies that operate underground facilities in the United States (prior to 2013, Alaska data were not included in the EIA-191 survey). The final monthly and annual response rates are 100 percent. The Form EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including state and county, field, reservoir) and peak day withdrawals during the

reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule for the prior year is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the last day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are submitted on separate forms for each month. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

The *Monthly Energy Review* contains data from the Form EIA-191 survey.

[“Quarterly Natural Gas Import and Export Sales and Price Report”](#)

Beginning in 1995, import and export data have been taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas. The Office of Fossil Energy provides authorizations for imports or exports under Section 3 of the Natural Gas Act of 1938.

All companies are required, as a condition of their authorizations, to file monthly and quarterly reports with the Office of Fossil Energy. The data are reported at a monthly level of detail.

[Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”](#)

Monthly price and volume data on gas deliveries are collected on the Form EIA-857 from a sample of respondents representing the 50 states and the District of Columbia. Response to Form EIA-857 is mandatory and data are considered proprietary. Completed forms are required to be submitted to EIA on or before the 30th day after the end of the report month.

A sample of approximately 310 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 states and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 95 percent. When a response is extremely late, volumes are imputed, as described in Appendix C, “Statistical Considerations.” When the company’s submission is eventually received, the submitted data are entered into the data system and used for subsequent processing and revisions.

Form EIA-857 data are used to estimate monthly sales of natural gas (volume and price) by state and monthly deliveries of natural gas on behalf of others (volume) by state to three consumer sectors --residential,

commercial, and industrial. Data from Form EIA-857 are also used to calculate the citygate price. See Appendix C for a discussion of the sample design and estimation procedures. Monthly prices of natural gas to the electric power sector are calculated from data reported on Form EIA-923, "Electric Power Plant Operations." Data from Form EIA-857 are also used to calculate the citygate price.

Form EIA-910, "Monthly Natural Gas Marketer Survey"

The Form EIA-910, "Monthly Natural Gas Marketer Survey," collects information on natural gas sales from marketers in selected states (Florida, Georgia, Illinois, Maryland, Massachusetts, Michigan, New Jersey, New York, Ohio, Pennsylvania, West Virginia, Virginia, and the District of Columbia) that have active customer choice programs. Beginning in 2011, the EIA-910 is collected only in Georgia, New York and Ohio. These states were selected based on the percentage of natural gas sold by marketers in the residential and commercial end-use sectors. The survey collects monthly price and volume data on natural gas sold by all marketers in the selected states. A natural gas marketer is a company that competes with other companies to sell natural gas service, but relies on regulated local distribution companies to deliver the gas. The data collected on the Form EIA-910 are integrated with residential and commercial price data from the Form EIA-857 for the states where the EIA-910 data are collected as data quality becomes acceptable. Response to the EIA-910 is mandatory and data are considered proprietary.

Approximately 100 natural gas marketers currently report to the survey. Final monthly survey response rates are approximately 95 percent. Responses are filed with EIA in Washington, DC, on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit, and dollar values are reported as whole dollar.

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Appendix C

Statistical Considerations

The monthly volumes and prices of natural gas to residential, commercial, and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers.”

Monthly prices in select States are supplemented with data from the Form EIA-910, “Monthly Natural Gas Marketer Survey.” (See Appendix B, “Data Sources,” for a description of these Forms.)

A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 implements a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline companies and local distribution companies.

The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial.

Monthly deliveries and prices of natural gas to the electric power sector are reported on the Form EIA-923, “Power Plant Operations Report.”

Sample Universe. The sample in use for 2016 was selected from a universe of 1,668 companies. These companies were respondents to the Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” for reporting year 2014, who reported sales or deliveries to consumers in the residential, commercial, or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. Beginning in 2012, EIA changed its sample design from single stage probability-proportional-to-size (“PPS”) to a cut off sample in order to reduce respondent burden and decrease processing costs. The skewness of the volume of reported natural gas within the primary traditional sectors of interest for the EIA-857, residential, commercial, and industrial, is sufficiently large to enable a cut-off design that will maintain estimates of similar quality as under the previous PPS sample design.

One of the purposes of the sample is to provide a ratio useful for scaling the monthly state sector volumes in the sample up to precise estimates of the actual state sector monthly volumes. In cases where at most two suppliers in a State service a particular sector, all suppliers are included in the cut off sample. In States with more than two suppliers in a sector, the cut off sample is constructed by adding suppliers in descending order of volume until the change in the ratio of interest is considered statistically insignificant.

The single stage PPS sample design typically yielded approximately 390 respondents for the EIA-857 during 2009-2011. The cutoff sample approach as described above reduces this figure to approximately 310 respondents.

Estimation Procedures

Estimates of Volumes. Total gas sales and deliveries is estimated as the sum of estimated volume of natural gas sales by EIA-857 sample companies and estimated volume of natural gas transported on behalf of others by EIA-857 sample companies. To estimate each component volume for a State, a ratio estimator is calculated separately for the volume of natural gas sales by EIA-857 sample companies and the volume of natural gas transported on behalf of others by EIA-857 sample companies. These ratios are then applied to the reported sales volumes and transportation volumes respectively. This is done in each State by sector for the sampled companies.

Ratio estimators are typically calculated for each consumer sector — residential, commercial, and industrial — in each State where companies are sampled using annual data from the most recent submission of Form EIA-176.

The classical ratio estimator (CRE) for the volume of gas in a State for consumer sector j is:

$$V_j = \sum_{i \in S} y_{ij} + \frac{\sum_{i \in S} y_{ij}}{\sum_{i \in S} x_{ij}} \sum_{i \notin S} x_{ij}$$

or (1)

$$V_j = \frac{\sum_{i \in S} y_{ij}}{\sum_{i \in S} x_{ij}} \sum_{i \in S \cup S^c} x_{ij}$$

where for either the natural gas sales by **EIA-857 sample companies** or the natural gas transported on behalf of others by EIA-857 sample companies:

V_j = the estimate of monthly gas volumes in a State for consumer sector j ,

y_{ij} = the monthly volume within a State for sector j and company i ,

x_{ij} = the annual volume within a State for sector j and company i ,

Ideally, the ratio $\frac{\sum_{i \in S} y_{ij}}{\sum_{i \in S} x_{ij}}$ is calculated separately for each State by sector cross classification. However, because certain States have extremely small sample sizes, we combine some States for estimation purposes only, in order to obtain more stable estimates. The state groupings are referred to as estimation groups. For most states, especially the large ones, the ratio will continue to be estimated separately as described above. The final volume estimates, V_j , will continue to be published separately for all States.

When an estimation group involves more than one state, such states are geographical neighbors, and the states in each group fall within a temperature and precipitation region, as defined by the National Climatic Data Center (NCDC).

Grouping states this way is an application of small area estimation, where more reliable estimates are obtained by “borrowing strength” from neighboring states with similar climate patterns. For more details see <http://interstat.statjournals.net/YEAR/2014/articles/1405001.pdf>

For most respondents, the estimation of residential and commercial consumption requires one additional step than the industrial sector. In this extra step the company level reported volumes are adjusted using sendout.

Sendout, which was added to Form EIA-857 for the August 2010 report month, is the total volume of gas dispatched for delivery during a calendar month. It should be noted that the adjusted volumes for the residential and commercial sector are used in equation 2.

The adjustment is implemented by taking reported sendout and removing gas that is consumed in company operations and distribution use as well as gas delivered to electric power, industrial, and vehicle use sectors. The remaining gas is allocated to the residential and commercial sectors proportionally based on reported totals for the report month. For a small number of companies, the adjustment to sendout is applied to all sectors in order to better represent their billing practices. In these cases, sendout is applied to all end-use sectors proportionally instead of just to residential and commercial.

The formulas for adjusting the reported residential and commercial volumes at the company level are:

$$R_{adj} = (SO * (1 - Oth) - EP - IN) * \frac{R}{R + C} \quad (2)$$

$$C_{adj} = (SO * (1 - Oth) - EP - IN) * \frac{C}{R + C} \quad (3)$$

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

Oth = ratio of annual distribution use and vehicle fuel to total deliveries,

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

Estimates of Revenue. Revenue is calculated similarly to volumes. Sales revenue is estimated as the sum of estimated revenue from natural gas sales by EIA-857 sample companies for each sector by State and applying the ratio estimator in equation 1. Similar to volumes, States are combined if the sample size (by sector) is too small in order to estimate the ratio.

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales by natural gas companies except as explained below.

The price of natural gas within a State for sector j is calculated as follows:

$$P_j = \frac{R_j}{V_j} \quad (4)$$

where:

P_j = the average price for gas sales within a State for consumer sector j ,

R_j = the reported revenue from natural gas sales within a State for consumer sector j ,

V_j = the reported volume of natural gas sales within a State for consumer sector j .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

For select States (Georgia, New York and Ohio), the monthly average prices of natural gas to residential and commercial consumers are based on total sales (sales by local distribution companies and natural gas marketers). See the Form EIA-910 description in Appendix B, "Data Sources," for details.

Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices except in these States.

The price of natural gas in the residential and commercial sectors where EIA-910 data are used is calculated as follows:

$$P_c = \left[\left(\frac{R_s}{V_s} \right) * \left(\frac{V_s}{V_s + V_t} \right) \right] + \left[\left(\frac{Rm_s}{Vm_s} \right) * \left(\frac{V_t}{V_s + V_t} \right) \right] = \frac{R_s + \left(\frac{Rm_s}{Vm_s} \right) * V_t}{V_s + V_t} \quad (5a)$$

for Georgia, and,

$$P_c = \left[\left(\frac{R_s}{V_s} \right) * \left(\frac{V_s}{V_s + V_t} \right) \right] + \left[\left(\frac{Rm_s}{Vm_s} + \frac{R_t}{V_t} \right) * \left(\frac{V_t}{V_s + V_t} \right) \right] = \frac{R_s + \left(\frac{Rm_s}{Vm_s} \right) * V_t + R_t}{V_s + V_t} \quad (5b)$$

for New York and Ohio, where:

P_c = the combined average price for gas sales by local distribution companies and marketers within the State in sector s (residential or commercial),

R_s = the estimated revenue from natural gas sales by local distribution companies within the State in sector s (residential or commercial),

V_s = the estimated volume of natural gas sales by local distribution companies within the State in sector s (residential or commercial),

V_t = the estimated volume of natural gas transported by local distribution companies for marketers within the State in sector s (residential or commercial),

Rm_s = the reported revenue from natural gas sales by marketers within the State in sector s (residential or commercial),

Vm_s = the reported volume of natural gas sales by a marketer within the State in sector s (residential or commercial),

R_t = the estimated revenue from natural gas transported by local distribution companies for marketers within the State in sector s (residential or commercial).

Table 24 shows the percent of the total State volume that represents volumes from natural gas sales to the residential, commercial, and industrial sectors. This table may be helpful in evaluating residential, commercial, and industrial price data.

Estimation for Nonrespondents and Edit Failures.

A volume for each delivered and transported consumer category is imputed for companies that fail to respond in time for inclusion in the published estimates (unit nonresponse) or for which reported volumes have failed the edit and not been confirmed or corrected (item nonresponse).

In the case of unit nonresponse and edit failures, the imputed volumes and revenues for the residential, commercial, and industrial sectors are predicted using CRE. In other words, they are predicted the same way as out of sample cases. In particular, for company i , which can be a nonrespondent, edit failure or not sampled, the predicted value is given as:

$$y_{ij}^* = \frac{\sum_{i \in s, j} y_{ij}}{\sum_{i \in s, j} x_{ij}} x_{ij}^*$$

where:

y_{ij}^* = the estimated value (volume or revenue) of the nonrespondent company or for a company value that fails an edit,

x_{ij}^* = the reported value (volume or revenue) of the nonrespondent company from the latest Form EIA 176 survey.

Again the ratio $\frac{\sum_{i \in s} y_{ij}}{\sum_{i \in s} x_{ij}}$ is calculated separately for most states, but several states can be combined as described in the “Estimates of Volume” section above when sample size is too small for a State by sector classification.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the [Natural Gas Annual](#) (NGA), revisions are made to monthly data.

The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* (NGM) to match them to the annual values appearing in the *Natural Gas Annual*.

The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports, according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the NGM, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} \left(\frac{V_{ja}}{V'_{jm}} \right) \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V'_{jm} = the annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} \left(\frac{R_{ja}}{R'_{jm}} \right) \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j ,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = the annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Power Sector. Revisions to monthly deliveries to the electric power sector are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error — nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data.

See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration.

The standard errors for monthly natural gas volume and price estimates by State are given in Table C1. They are constructed so that over the long run the true value is within two standard errors of its estimate 95% of the time. For volume estimates, the relative standard error (RSE) is published as a percent. Standard errors of prices are expressed in dollars.

The relative standard error of a natural gas volume estimate is the square root of the variance of the estimate divided by the published volume. The formula for calculating the variance of the volume estimate is:

$$Var(V_j) = \sigma_e^2 \sum_{i=n+1}^N x_{ij} + \left(\frac{\sigma_e^2}{\sum_{i=1}^n x_{ij}} \right) \left(\sum_{i=n+1}^N x_{ij} \right)^2 \quad (8)$$

where:

V_j = the estimate of monthly gas volumes in a State for sector j ,

$\sigma_e^2 = \frac{\sum_{i=1}^n \sigma_{0i}^2}{(n-1)}$, the sum of squared residuals,

$\sigma_{0i} = \frac{(y_{ij} - T_j x_{ij})}{\sqrt{x_{ij}}}$, the weighted residual for company i ,

T_j = the ratio estimator defined in equation 1,

x_{ij} = the reported annual volume for company i in sector j ,

y_{ij} = the reported monthly volume for company i in sector j ,

n = sample size ($i > n$ implies company i not in sample),

N = frame size.

As the price of natural gas is calculated as a quotient of revenue to volume, the standard error of natural gas prices is derived using the variance properties of a quotient. The variance of revenue is calculated in the same manner as the volumes described in equation 8, with revenue substituted for volume. The formula for calculating the standard error of the price in equation 4 is:

$$\text{Var}(P_j) = \text{Var}\left(\frac{R_j}{V_j}\right) = \left(\frac{R_j}{V_j}\right)^2 * \left(\frac{\text{Var}(R_j)}{R_j^2} + \frac{\text{Var}(V_j)}{V_j^2} - 2\frac{\text{Cov}(R_j, V_j)}{R_j * V_j}\right) \quad (9)$$

where:

P_j = natural gas price in sector j,

V_j = volume in sector j, which is estimated in equation 1,

R_j = revenue in sector j, which is estimated in same manner as equation 1,

$\text{Var}(V_j)$ = the variance of volume in sector j calculated using equation 8,

$\text{Var}(R_j)$ = the variance of revenue in sector j calculated in the same manner as equation 8,

$\text{Cov}(V_j, R_j)$ = the covariance between revenue and volume in sector j. The formula for estimating the covariance is:

$$\left[\left(\sum_{i=n+1}^N x_{Rij} \right) \left(\sum_{i=n+1}^N x_{Vij} \right) \frac{\sum_{i=1}^n \sqrt{x_{Rij} x_{Vij}}}{\left(\sum_{i=1}^n x_{Rij} \right) \left(\sum_{i=1}^n x_{Vij} \right)} + \sum_{i=n+1}^N \sqrt{x_{Rij} x_{Vij}} \right] \\ * \left[\left(\frac{1}{n-1} \right) \sum_{i=1}^n \sqrt{x_{Rij} x_{Vij}} (y_{Rij} - T_{Rj})(y_{Vij} - T_{Vj}) \right]$$

and,

x_{Rij} = the reported annual revenue for company i in sector j,

x_{Vij} = the reported annual volume for company i in sector j,

y_{Rij} = the reported monthly revenue for company i in sector j,

y_{Vij} = the reported monthly volume for company i in sector j,

$$T_{Rj} = \frac{\sum_{i \in s} y_{Rij}}{\sum_{i \in s} x_{Rij}},$$

$$T_{Vj} = \frac{\sum_{i \in s} y_{Vij}}{\sum_{i \in s} x_{Vij}}.$$

The formula for calculating the standard error of price in equations 5a and 5b is derived after a suitable expansion that involves repeated applications of equations 8 and 9.

Table C1. Standard error for natural gas deliveries and price by consumers, by state, October 2016

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	2.5	0.9	1.7	1.5	0.28	0.09	0.10
Alaska	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Arizona	2.5	2.1	2.3	1.3	0.23	0.13	0.09
Arkansas	4.1	1.0	3.9	2.5	0.31	0.18	0.19
California	2.0	1.6	0.5	0.6	0.51	0.28	0.07
Colorado	1.3	1.6	1.3	0.8	0.10	0.11	NA
Connecticut	1.0	1.0	1.0	0.6	0.31	0.05	0.01
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	NA
District of Columbia	0.0	0.0	0.0	0.0	NA	0.00	0.00
Florida	1.3	0.5	0.5	0.4	0.24	0.18	0.10
Georgia	0.0	0.0	0.9	0.0	0.06	0.06	0.13
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.8	0.3	0.0	0.2	0.03	0.01	NA
Illinois	0.9	0.8	1.3	0.6	0.22	0.13	0.81
Indiana	2.9	2.1	0.5	0.6	0.76	0.25	0.79
Iowa	3.9	0.3	1.4	1.1	NA	0.16	0.40
Kansas	1.8	0.8	2.3	1.7	0.18	0.14	NA
Kentucky	1.4	1.8	0.9	0.7	0.31	0.19	0.14
Louisiana	3.3	1.9	1.8	1.7	NA	0.25	0.17
Maine	0.0	0.0	4.6	3.2	0.00	0.00	0.00
Maryland	1.4	1.3	NA	NA	0.12	0.00	0.59
Massachusetts	1.5	0.8	1.6	0.7	0.19	0.33	0.40
Michigan	1.1	0.9	1.6	0.8	0.03	0.07	0.03
Minnesota	1.6	1.3	0.9	0.7	0.06	0.01	0.06
Mississippi	3.6	2.0	2.1	1.7	NA	0.12	0.11
Missouri	2.1	0.6	NA	NA	0.13	0.13	0.24
Montana	1.3	0.7	NA	NA	0.01	0.03	0.00
Nebraska	0.9	2.0	0.8	0.7	0.15	0.12	0.34
Nevada	0.0	0.0	8.9	2.6	NA	NA	0.10
New Hampshire	0.0	0.0	5.8	2.9	0.00	0.00	0.00
New Jersey	0.0	0.0	1.7	NA	0.00	0.00	0.25
New Mexico	2.3	1.0	5.4	1.9	0.07	0.14	0.79
New York	0.0	0.0	1.8	0.0	0.11	0.04	0.29
North Carolina	0.4	0.5	0.3	0.2	0.24	0.03	0.10
North Dakota	2.2	2.1	6.2	4.3	0.07	0.08	0.00
Ohio	0.0	0.0	1.0	0.0	0.16	0.05	0.27
Oklahoma	2.2	1.8	1.6	1.3	0.43	0.96	1.76
Oregon	0.0	0.0	0.6	0.3	0.00	0.00	0.00
Pennsylvania	1.8	1.9	NA	NA	0.27	0.23	0.94
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	2.9	2.2	1.1	0.9	0.52	0.15	0.07
South Dakota	5.9	2.3	0.6	0.9	0.33	0.11	0.18
Tennessee	1.1	1.0	1.3	0.9	NA	NA	0.09
Texas	1.3	1.6	1.4	1.2	0.27	0.14	0.03
Utah	0.3	0.1	0.0	0.1	0.00	0.00	0.00
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	2.9	1.5	NA	NA	0.30	0.25	0.21
Washington	1.3	0.6	2.0	1.0	0.06	0.04	0.08
West Virginia	3.9	0.7	0.9	0.9	0.08	0.05	0.40
Wisconsin	1.3	0.8	0.6	0.5	0.07	0.02	0.02
Wyoming	4.0	2.7	0.8	0.8	0.19	0.07	0.03
Total	0.3	0.3	0.4	0.3	0.08	0.03	0.02

^{NA} Not available.

Source: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

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Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting or survey coverage problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The quantity of heat required to raise the temperature of 1 pound of liquid water by 1 degree Fahrenheit at the temperature at which water has its greatest density (approximately 39 degrees Fahrenheit).

Btu Per Cubic Foot: The total heating value, expressed in Btu, produced by the combustion, at constant pressure, of the amount of the gas that would occupy a volume of 1 cubic foot at a temperature of 60 degrees F if saturated with water vapor and under a pressure equivalent to that of 30 inches of mercury at 32 degrees F and under standard gravitational force (980.665 cm. per sec. squared) with air of the same temperature and pressure as the gas, when the products of combustion are cooled to the initial temperature of gas and air when the water formed by combustion is condensed to the liquid state.(Sometimes called gross heating value or total heating value.)

Citygate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, state and federal agencies engaged in nonmanufacturing activities.

Compressed Natural Gas (CNG): Natural gas which is comprised primarily of methane, compressed to a pressure at or above 2,400 pounds per square inch and stored in special high-pressure containers. It is used as a fuel for natural gas powered vehicles.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Dry Natural Gas Production: The process of producing consumer-grade natural gas. Natural gas withdrawn from reservoirs is reduced by volumes used at the production (lease) site and by processing losses. Volumes used at

the production site include (1) the volume returned to reservoirs in cycling, repressuring of oil reservoirs, and conservation operations; and (2) gas vented and flared. Processing losses include (1) nonhydrocarbon gases (e.g., water vapor, carbon dioxide, helium, hydrogen sulfide, and nitrogen) removed from the gas stream; and (2) gas converted to liquid form, such as lease condensate and plant liquids. Volumes of dry gas withdrawn from gas storage reservoirs are not considered part of production. Dry natural gas production equals marketed production less natural gas plant liquid production.

Electric Power Consumption: Gas used as fuel in the electric power sector.

Electric Power Sector: An energy-consuming sector that consists of electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public – i.e., North American Industry Classification System 22 plants.

Exports: Natural gas deliveries out of the continental United States (including Alaska) to foreign countries.

Gas Well: A well completed for production of natural gas from one or more gas zones or reservoirs. Such wells contain no completions for the production of crude oil.

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, and fisheries. Also included in industrial consumption are generators that produce electricity and/or useful thermal output primarily to support the above-mentioned industrial activities.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Lease and Plant Fuel: Natural gas used in well, field, lease operations (such as gas used in drilling operations, heaters, dehydrators, and field compressors) and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas (primarily methane) that has been liquefied by reducing its temperature to -260 degrees Fahrenheit at atmospheric pressure.

Local Distribution Company (LDC): A legal entity engaged primarily in the retail sale and/or delivery of natural gas through a distribution system that includes mainlines (that is, pipelines designed to carry large volumes of gas,

usually located under roads or other major right-of-ways) and laterals (that is, pipelines of smaller diameter that connect the end user to the mainline). Since the restructuring of the gas industry, the sale of gas and/or delivery arrangements may be handled by other agents, such as producers, brokers, and marketers that are referred to as "non-LDC."

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir, as in contrast to injected gas volumes.

Natural Gas: A gaseous mixture of hydrocarbon compounds, the primary one being methane. Note: The Energy Information Administration measures wet natural gas and its two sources of production, associated/dissolved natural gas and nonassociated natural gas, and dry natural gas, which is produced from wet natural gas.

Natural Gas Liquids (NGL): A group of hydrocarbons including ethane, propane, normal butane, isobutane, and natural gasoline. Generally include natural gas plant liquids and all liquefied refinery gases, except olefins.

Natural Gas Marketer: A company that arranges purchases and sales of natural gas. Unlike pipeline companies or local distribution companies, a marketer does not own physical assets commonly used in the supply of natural gas, such as pipelines or storage fields. A marketer may be an affiliate of another company, such as a local distribution company, natural gas pipeline, or producer, but it operates independently of other segments of the company. In states with residential choice programs, marketers serve as alternative suppliers to residential users of natural gas, which is delivered by a local distribution company.

Natural Gas Plant Liquids (NGPL): Those hydrocarbons in natural gas that are separated as liquids at natural gas processing, fractionating, and cycling plants. Products obtained include ethane, liquefied petroleum gases (propane and butanes), and natural gasoline. Component products may be fractionated or mixed. Lease condensate and plant condensate are excluded.

Natural Gas Plant Liquids (NGPL) Production: The extraction of gas plant liquids constituents such as ethane, propane, normal butane, isobutane, and natural gasoline, sometimes referred to as extraction loss. Usually reported in barrels or gallons, but may be reported in cubic feet for purposes of comparison with dry natural gas volumes.

Nominal Dollars: A measure used to express nominal price.

Nominal Price: The price paid for a product or service at the time of the transaction. Nominal prices are those that have not been adjusted to remove the effect of changes in the purchasing power of the dollar; they reflect buying power in the year in which the transaction occurred.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a “salt bed” or “dome” formation.

Storage Additions: Volumes of gas injected or otherwise added to underground natural gas reservoirs or liquefied natural gas storage.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or from liquefied natural gas storage over a specified amount of time.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, coke oven gas, refinery gas, biomass gas, air injected for Btu stabilization, and manufactured gas commingled and distributed with natural gas.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

Vehicle Fuel Consumption: Natural gas (compressed or liquefied) used as vehicle fuel.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.