



Independent Statistics & Analysis

U.S. Energy Information
Administration

Natural Gas Monthly

April 2016



This report was prepared by the U.S. Energy Information Administration (EIA), the statistical and analytical agency within the U.S. Department of Energy. By law, EIA's data, analyses, and forecasts are independent of approval by any other officer or employee of the United States Government. The views in this report therefore should not be construed as representing those of the Department of Energy or other Federal agencies.

Contacts

The *Natural Gas Monthly* (NGM) is prepared in the Office of Oil, Gas, and Coal Supply Statistics, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Doug MacIntyre.

General inquiries about energy data can be directed to EIA's Office of Communications via email at infoctr@eia.gov.

Specific questions about the information in this report may be directed to:

Consumption and Consumer Prices	Jennifer Wade (jennifer.wade@eia.gov , 202/586-4749)
Imports and Exports	Tu Tran (tu.tran@eia.gov , 202/287-6589)
Natural Gas Production	Jeffrey Little (jeffrey.little@eia.gov , 202/586-6284)
Quality	Vicki Spangler (vicki.spangler@eia.gov , 202/586-8555)
Supplemental Gaseous Fuels	Jennifer Wade (jennifer.wade@eia.gov , 202/586-4749)
Underground Storage	Jennifer Wade (jennifer.wade@eia.gov , 202/586-4749)

Other contributors to this report include Sharon Belcher, Bridgette Brown, Michael Kopalek, and Gary Long.

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 the 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	99
B. Data Sources	107
C. Statistical Considerations	113
Glossary	123

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, February 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	99
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, February 2016	121

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 February 2016.

Recent analyses of the natural gas industry are available on the [EIA Web Site](#) 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 Web site, 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 web site.

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	2,594	2,209	130	2,079	5	161	991	-17	3,219
February	2,346	2,002	118	1,885	4	107	745	9	2,750
March	2,630	2,246	132	2,114	5	85	363	-1	2,566
April	2,564	2,206	130	2,077	5	79	-224	33	1,969
May	2,642	2,300	135	2,165	5	93	-488	43	1,817
June	2,561	2,235	132	2,104	5	82	-473	37	1,755
July	2,617	2,342	138	2,205	5	74	-409	13	1,887
August	2,628	2,358	139	2,219	5	91	-382	7	1,940
September	2,621	2,297	135	2,162	5	82	-431	*	1,818
October	2,732	2,396	141	2,255	5	106	-409	-37	1,920
November	2,644	2,325	137	2,189	5	107	168	-99	2,369
December	2,767	2,418	142	2,276	5	117	295	-5	2,688
Total	31,346	27,337	1,608	25,728	60	1,181	-253	-18	26,698
2015									
January	£2,769	£2,399	133	£2,266	5	135	725	*	3,130
February	£2,512	£2,185	125	£2,060	6	109	741	37	2,952
March	£2,820	£2,439	142	£2,297	5	93	194	29	2,617
April	£2,742	£2,378	142	£2,236	5	75	-321	42	2,036
May	£2,776	£2,432	145	£2,287	5	70	-497	11	£1,877
June	£2,677	£2,370	141	£2,229	5	68	-362	-20	1,920
July	£2,767	£2,459	146	£2,314	4	73	-283	-19	2,090
August	£2,766	£2,474	148	£2,326	4	69	-309	-15	2,074
September	£2,750	£2,407	144	£2,263	5	46	-372	-23	1,919
October	£2,818	£2,456	153	£2,303	5	68	-331	-42	2,003
November	£2,744	£2,376	149	£2,227	6	63	13	-50	2,258
December	£2,824	£2,441	151	£2,290	6	66	265	£-28	2,598
Total	£32,965	£28,814	1,718	£27,096	60	935	-539	-78	£27,474
2016									
January	£2,823	£2,448	148	£2,299	5	£103	728	£-1	£3,134
February	£2,669	£2,323	140	£2,183	5	87	403	25	2,703
2016 2-Month YTD	£5,492	£4,770	288	£4,482	11	189	1,131	23	5,837
2015 2-Month YTD	£5,281	£4,583	258	£4,325	11	244	1,466	36	6,082
2014 2-Month YTD	4,940	4,212	248	3,964	9	267	1,736	-8	5,969

^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 2014 include underground storage and liquefied natural gas storage. Data for January 2015 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): 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.

^{RE} Revised estimated data.

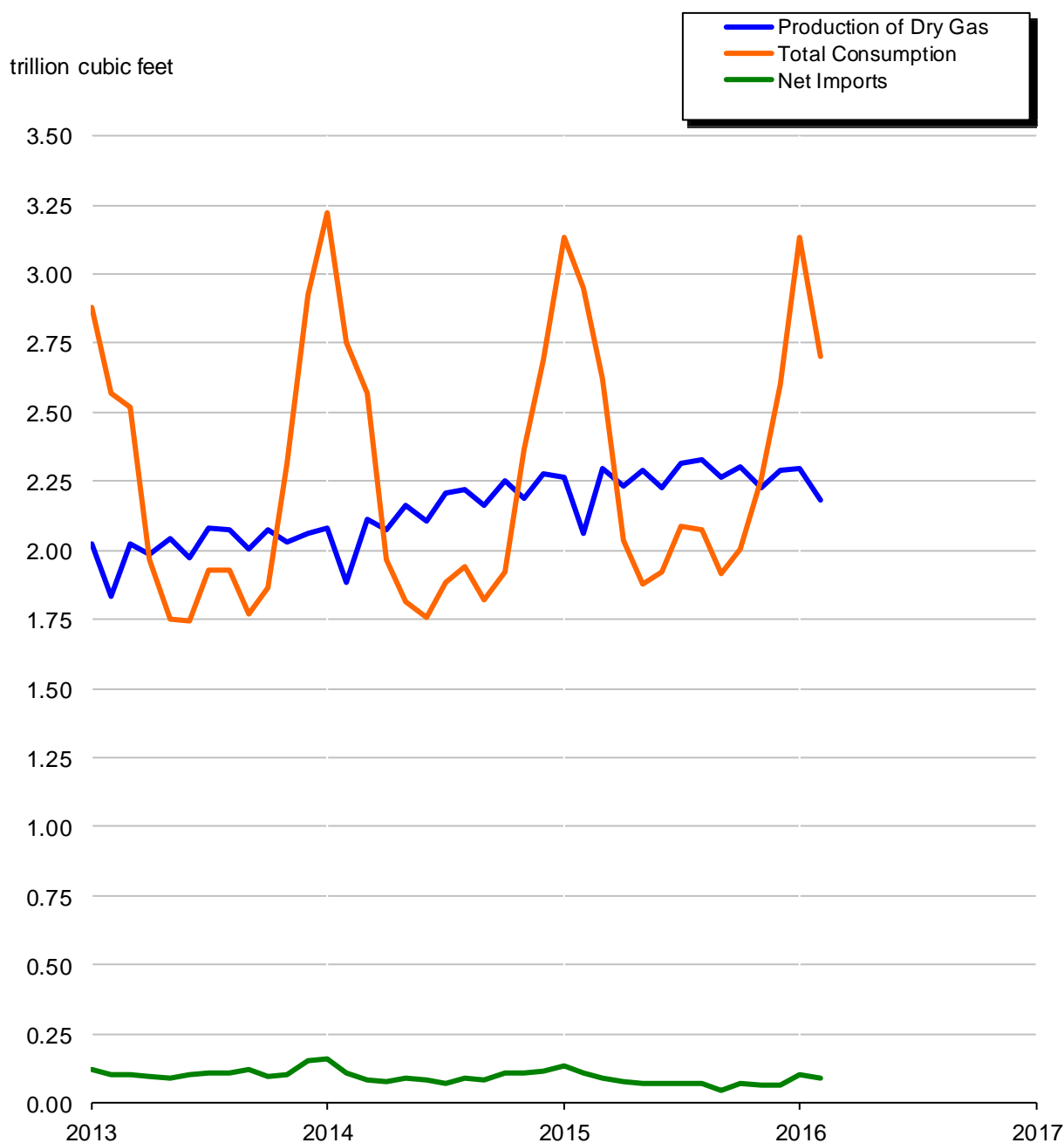
* Balancing item is between 500,000 and -500,000 cubic feet.

Notes: Data for 2011 through 2013 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: 2011-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*. January 2015 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: 2012-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*. January 2015 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	103	1,037	572	720	663	3	2,995	3,219	1,029
February	110	88	853	490	657	549	3	2,552	2,750	1,028
March	123	81	700	421	679	559	3	2,361	2,566	1,029
April	121	61	356	251	626	550	3	1,786	1,969	1,029
May	126	56	203	177	604	648	3	1,635	1,817	1,030
June	123	54	126	141	584	724	3	1,578	1,755	1,030
July	129	58	113	138	603	844	3	1,701	1,887	1,032
August	129	60	105	137	607	899	3	1,751	1,940	1,033
September	126	56	122	149	589	773	3	1,636	1,818	1,033
October	131	59	212	202	608	704	3	1,729	1,920	1,033
November	128	74	544	362	658	601	3	2,167	2,369	1,034
December	133	85	717	427	688	636	3	2,471	2,688	1,035
Total	1,500	836	5,087	3,467	7,624	8,149	35	24,362	26,698	1,030
2015										
January	£132	£98	936	532	716	714	£3	2,901	3,130	1,036
February	£120	£92	904	520	662	651	£3	2,740	2,952	1,036
March	£134	£82	637	389	663	709	£3	2,401	2,617	1,036
April	£131	£64	325	237	£610	668	£3	1,842	2,036	1,037
May	£133	£59	180	162	601	739	£3	1,684	£1,877	1,037
June	£130	£60	124	135	574	893	£3	1,730	1,920	1,037
July	£135	£65	108	134	591	1,054	£3	1,889	2,090	1,037
August	£136	£65	102	136	597	1,035	£3	1,873	2,074	1,036
September	£132	£60	108	138	577	902	£3	1,727	1,919	1,037
October	£135	£63	201	193	612	798	£3	1,806	2,003	1,037
November	£130	£71	400	280	637	737	£3	2,057	2,258	1,038
December	£134	£81	589	351	669	771	£3	2,383	2,598	1,038
Total	£1,581	£860	4,612	3,206	£7,509	9,671	£34	25,032	£27,474	1,037
2016										
January	£134	£98	£891	£509	£722	777	£3	2,902	£3,134	1,038
February	£127	£85	707	421	668	692	£3	2,491	2,703	1,038
2016 2-Month YTD	£262	£183	1,598	930	1,391	1,469	£6	5,393	5,837	1,038
2015 2-Month YTD	£252	£190	1,840	1,052	1,378	1,365	£5	5,640	6,082	1,036
2014 2-Month YTD	231	190	1,890	1,062	1,378	1,212	6	5,548	5,969	1,028

^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.

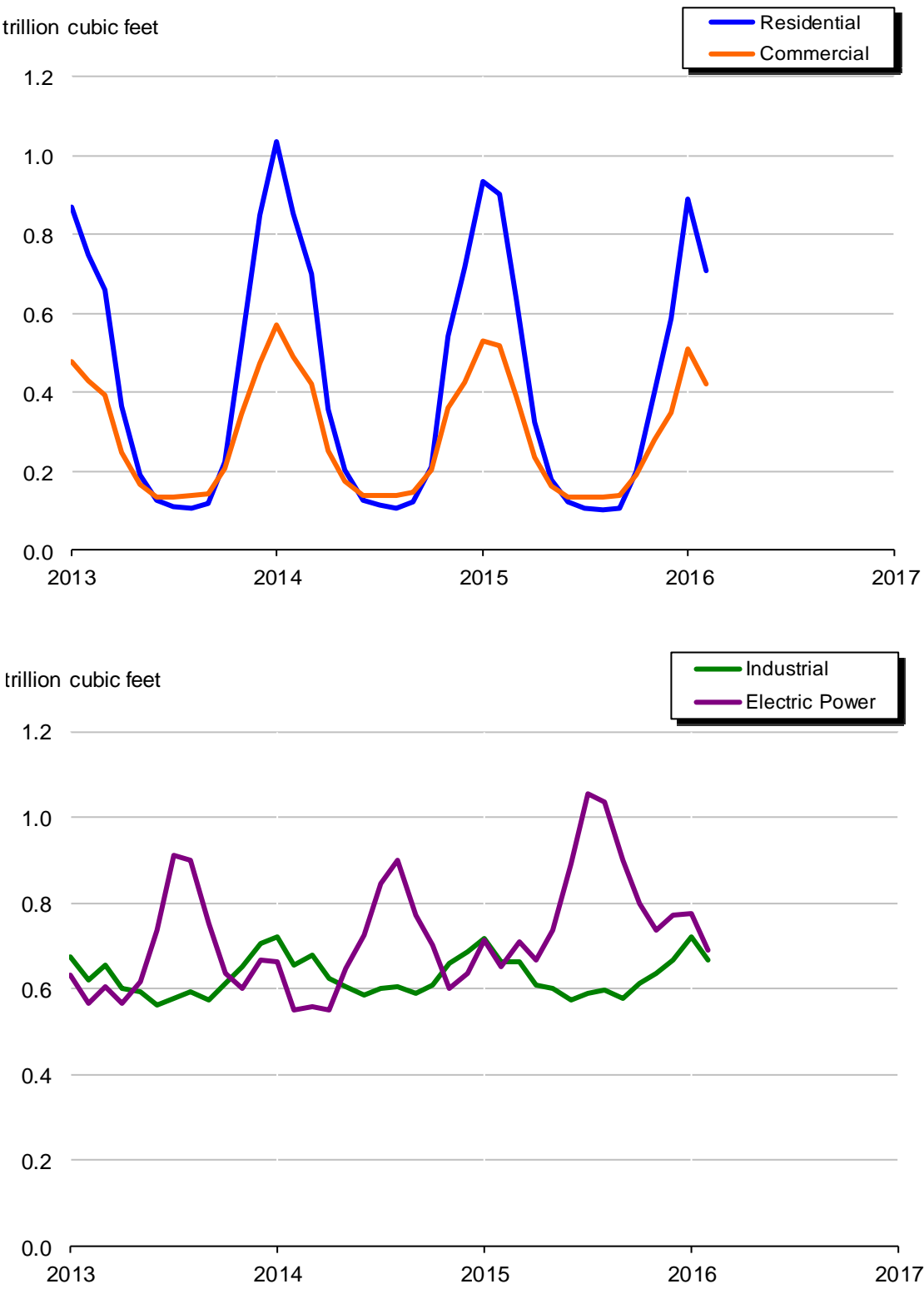
^E Estimated data.

Notes: Data for 2011 through 2013 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: 2011-2014: Energy Information Administration (EIA): Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"; Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; EIA computations; and Natural Gas Annual 2014. January 2015 through current month: Form EIA-914, "Monthly Natural Gas Production Report"; Form EIA-857; and 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: 2012-2014: 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 2014. January 2015 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						Electric Power Price ^d
				Residential		Commercial		Industrial		
				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	5.62	16.6	7.47
February	11.94	6.00	6.41	9.77	95.5	8.69	70.6	6.58	17.1	7.79
March	10.03	4.90	6.57	10.70	95.4	9.34	69.4	6.39	16.9	6.28
April	10.26	4.66	5.64	11.76	95.3	9.49	65.1	5.78	16.0	5.25
May	10.02	4.58	5.90	13.60	95.4	9.70	60.5	5.69	15.8	5.08
June	10.17	4.59	6.05	16.13	95.5	9.94	58.1	5.42	15.6	4.98
July	9.94	4.05	5.99	17.23	95.5	10.05	55.7	5.36	15.7	4.58
August	9.69	3.91	5.49	17.41	95.6	9.66	55.2	4.90	15.4	4.25
September	9.86	3.92	5.51	16.27	95.6	9.38	55.7	4.96	14.9	4.34
October	8.75	3.78	5.16	13.11	95.3	8.96	58.8	4.97	14.8	4.23
November	7.84	4.12	4.91	10.19	95.8	8.29	66.1	4.97	15.7	4.68
December	5.63	3.48	5.15	10.01	95.6	8.52	68.4	5.54	15.9	4.50
Annual Average	9.56	4.37	5.71	10.97	95.5	8.90	65.8	5.55	15.9	5.19
2015										
January	5.08	2.99	4.48	9.50	95.8	8.15	71.0	4.76	15.9	4.29
February	5.70	2.87	4.54	9.10	95.7	7.83	71.1	4.60	16.1	4.99
March	5.52	2.83	4.35	9.28	95.5	7.79	70.1	4.35	16.6	3.71
April	5.58	2.61	3.93	10.42	95.5	7.99	64.7	3.86	15.8	3.23
May	5.25	2.85	4.24	12.61	95.5	8.04	61.5	3.49	16.4	3.28
June	4.78	2.78	4.43	15.07	95.5	8.50	57.8	3.69	15.6	3.24
July	4.73	2.84	4.65	16.21	95.7	8.45	57.1	3.67	15.6	3.23
August	4.42	2.77	4.58	16.80	95.5	8.45	55.1	3.73	15.3	3.22
September	4.89	2.66	4.54	16.37	95.9	8.37	56.0	3.58	15.5	3.19
October	4.95	2.34	4.00	12.59	95.5	7.74	60.4	3.45	15.7	3.03
November	4.72	2.09	3.68	10.06	96.0	7.38	64.0	3.18	15.9	2.78
December	4.23	1.93	3.76	9.29	96.1	7.21	67.8	3.38	16.0	2.71
Annual Average	4.97	2.62	4.25	10.38	95.7	7.89	65.9	3.84	15.9	3.37
2016										
January	3.69	2.28	3.44	8.30	96.0	6.74	70.5	3.49	16.3	3.16
February	3.89	1.99	3.46	8.39	95.9	6.82	69.2	3.54	16.1	2.83
2016 2-Month YTD	3.79	2.14	3.45	8.34	96.0	6.78	69.9	3.51	16.2	3.00
2015 2-Month YTD	5.38	2.93	4.51	9.30	95.7	7.99	71.0	4.68	16.0	4.62
2014 2-Month YTD	11.77	5.32	5.94	9.50	95.6	8.39	70.6	6.09	16.8	7.61

^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.

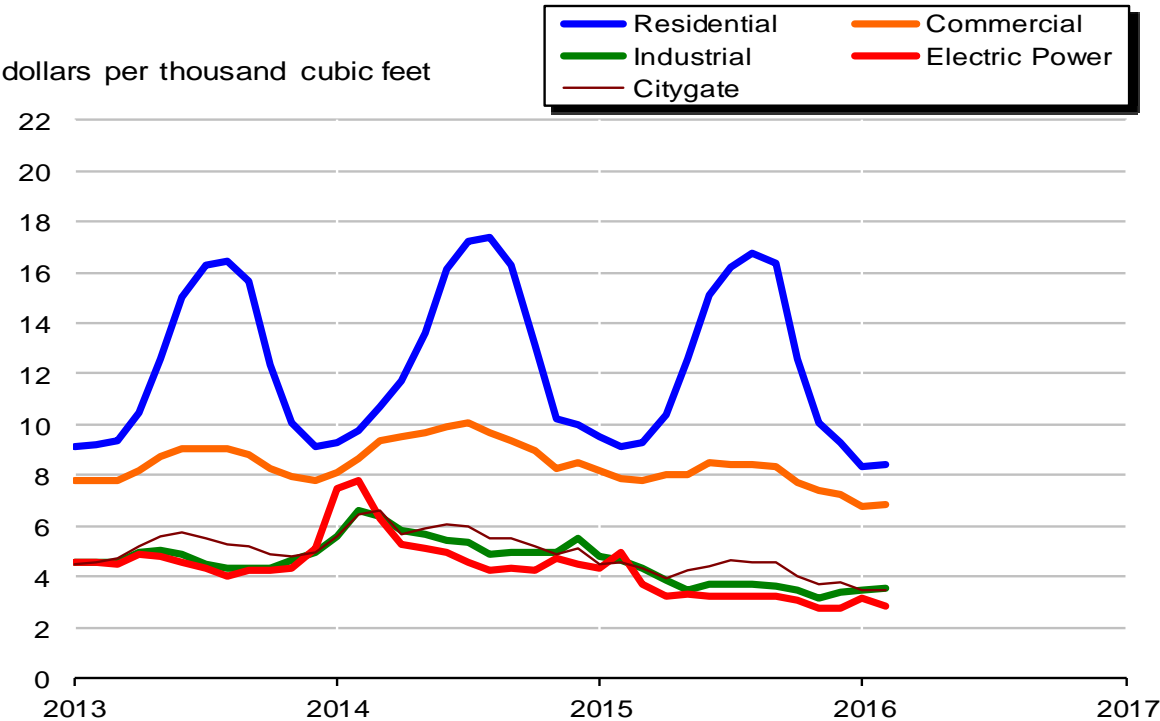
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 2011 through 2013 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.

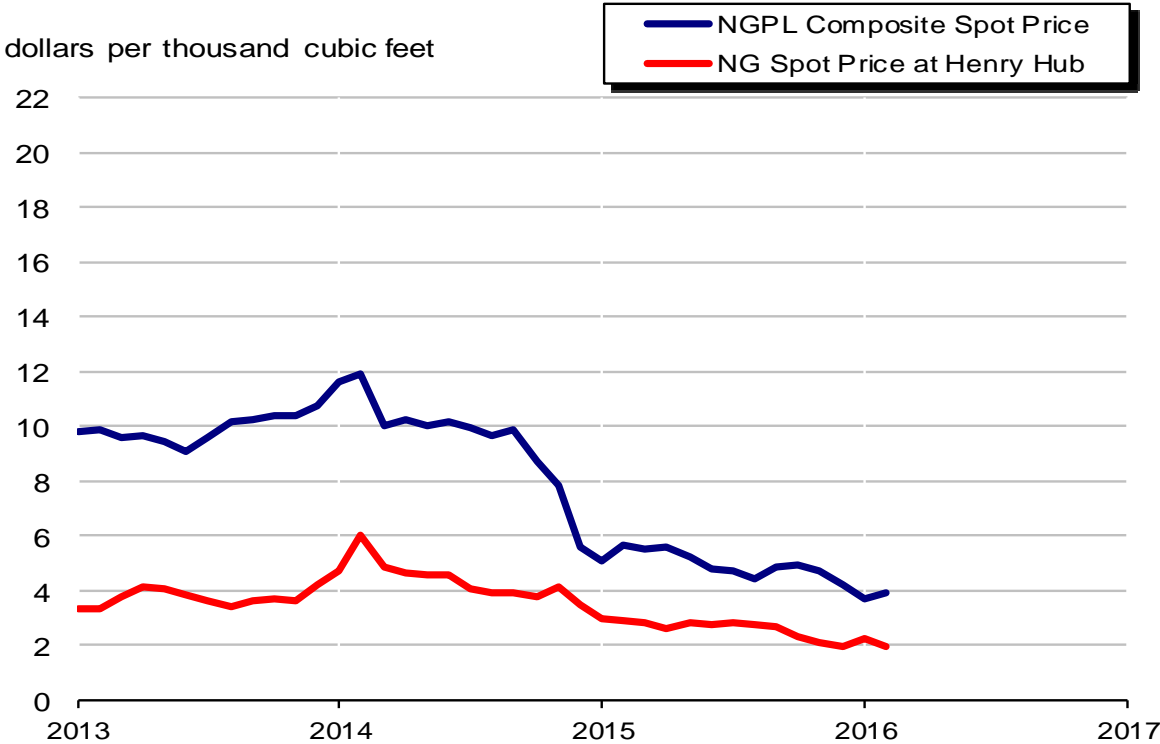
Sources: 2011-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*. January 2015 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; 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: 2012-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*. January 2015 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: 2012-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*. January 2015 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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	501,913	509,583	528,084	241,205	¥260,708	¥2,625,614	221,550
Mexico	129	164	274	70	59	933	64
Total Pipeline Imports	502,043	509,747	528,358	241,275	¥260,767	¥2,626,547	221,613
LNG							
By Truck							
Canada	213	0	41	116	97	437	59
By Vessel							
Norway	0	0	0	0	0	12,194	3,105
Trinidad/Tobago	21,563	19,212	9,990	9,612	11,951	71,439	2,453
Yemen	0	4,606	2,329	0	0	7,441	0
Other	0	0	0	0	0	0	0
Total LNG Imports	21,776	23,818	12,360	9,728	12,048	91,511	5,618
CNG							
Canada	59	62	61	29	30	291	26
Total Imports	523,878	533,627	540,778	251,032	¥272,846	¥2,718,349	227,257
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.28	4.39	7.84	2.12	2.42	2.84	2.13
Mexico	1.35	2.09	3.98	1.22	1.50	1.71	1.22
Total Pipeline Imports	2.28	4.39	7.84	2.12	2.42	2.84	2.13
LNG							
By Truck							
Canada	8.41	--	9.55	8.58	8.21	8.69	8.12
By Vessel							
Norway	--	--	--	--	--	8.56	2.31
Trinidad/Tobago	5.29	9.96	8.88	5.08	5.45	6.98	6.08
Yemen	--	10.13	5.90	--	--	9.10	--
Other	--	--	--	--	--	--	--
Total LNG Imports	5.32	9.99	8.32	5.12	5.48	7.37	4.02
CNG							
Canada	4.37	9.02	28.68	3.27	5.41	4.18	3.78
Total Imports	2.62	5.09	8.04	2.43	2.80	2.99	2.28
Net Imports - Volume	189,447	244,151	267,422	86,770	¥102,677	¥934,837	65,503

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

							2015
	November	October	September	August	July	June	May
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	210,632	217,493	203,066	202,567	209,954	203,583	202,545
Mexico	72	83	83	82	80	73	78
Total Pipeline Imports	210,704	217,576	203,150	202,649	210,034	203,656	202,623
LNG							
By Truck							
Canada	45	43	45	44	41	41	34
By Vessel							
Norway	3,097	5,992	0	0	0	0	0
Trinidad/Tobago	4,373	2,653	5,609	11,161	7,133	2,557	1,673
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	7,515	8,689	5,654	11,205	7,173	2,598	1,707
CNG							
Canada	23	21	15	21	21	19	19
Total Imports	218,242	226,286	208,818	213,875	217,228	206,273	204,348
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.19	2.37	2.49	2.51	2.44	2.43	2.44
Mexico	1.08	1.55	1.65	1.84	1.83	1.88	1.58
Total Pipeline Imports	2.19	2.37	2.49	2.51	2.44	2.43	2.44
LNG							
By Truck							
Canada	8.21	8.40	8.36	8.76	8.43	9.03	8.95
By Vessel							
Norway	2.13	15.12	--	--	--	--	--
Trinidad/Tobago	5.63	6.25	6.02	3.43	4.51	6.24	5.98
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	4.20	12.38	6.03	3.45	4.53	6.29	6.04
CNG							
Canada	3.02	1.99	1.14	0.52	0.45	0.79	0.88
Total Imports	2.40	3.23	2.75	2.74	2.66	2.56	2.52
Net Imports - Volume	62,503	67,768	46,245	68,991	73,409	68,093	70,074

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				2014		
	April	March	February	January	Total	December	November
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	202,133	R242,508	241,917	267,666	2,634,375	245,603	227,362
Mexico	76	77	79	85	1,426	91	95
Total Pipeline Imports	202,209	R242,585	241,996	267,751	2,635,801	245,694	227,457
LNG							
By Truck							
Canada	39	46	0	0	132	28	0
By Vessel							
Norway	0	0	0	0	5,616	2,995	0
Trinidad/Tobago	2,844	11,770	9,830	9,382	42,818	4,988	0
Yemen	0	2,834	2,373	2,234	8,006	0	0
Other	0	0	0	0	2,703	0	0
Total LNG Imports	2,883	14,651	12,202	11,616	59,275	8,011	0
CNG							
Canada	28	38	32	30	303	32	28
Total Imports	205,120	R257,274	254,230	279,397	2,695,378	253,736	227,485
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.39	3.16	4.82	4.01	5.22	4.10	3.97
Mexico	1.64	1.93	1.93	2.24	3.45	3.30	2.74
Total Pipeline Imports	2.39	3.16	4.82	4.01	5.21	4.10	3.97
LNG							
By Truck							
Canada	9.50	9.51	--	--	10.00	9.10	--
By Vessel							
Norway	--	--	--	--	4.47	4.62	--
Trinidad/Tobago	8.29	8.26	9.06	10.90	9.71	9.14	--
Yemen	--	7.42	9.41	10.88	5.88	--	--
Other	--	--	--	--	12.95	--	--
Total LNG Imports	8.31	8.10	9.13	10.90	8.85	7.45	--
CNG							
Canada	2.02	8.55	9.12	8.91	12.37	12.43	4.18
Total Imports	2.59	3.90	5.46	4.75	5.30	4.44	3.97
Net Imports - Volume	74,792	R93,307	109,275	134,875	1,181,137	116,754	106,623

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						
	October	September	August	July	June	May	April
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	213,743	195,743	204,845	194,729	191,701	203,713	197,519
Mexico	115	113	124	121	127	128	114
Total Pipeline Imports	213,858	195,856	204,968	194,850	191,829	203,841	197,634
LNG							
By Truck							
Canada	63	0	0	0	0	0	0
By Vessel							
Norway	2,621	0	0	0	0	0	0
Trinidad/Tobago	4,289	2,874	1,567	6,305	7,097	0	3,006
Yemen	0	2,871	0	0	0	2,806	0
Other	0	0	0	0	2,703	0	0
Total LNG Imports	6,973	5,745	1,567	6,305	9,800	2,806	3,006
CNG							
Canada	27	22	19	20	26	9	29
Total Imports	220,858	201,622	206,554	201,176	201,655	206,657	200,669
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.69	3.85	3.80	4.16	4.52	4.50	4.66
Mexico	3.02	3.00	2.84	3.41	3.61	3.77	3.58
Total Pipeline Imports	3.69	3.85	3.80	4.16	4.52	4.50	4.66
LNG							
By Truck							
Canada	10.69	--	--	--	--	--	--
By Vessel							
Norway	4.30	--	--	--	--	--	--
Trinidad/Tobago	4.74	11.71	6.56	11.80	9.54	--	17.34
Yemen	--	5.75	--	--	--	5.99	--
Other	--	--	--	--	12.95	--	--
Total LNG Imports	4.63	8.73	6.56	11.80	10.48	5.99	17.34
CNG							
Canada	1.96	4.76	6.95	6.44	9.03	6.95	8.91
Total Imports	3.87	4.24	3.87	4.77	5.32	4.60	5.11
Net Imports - Volume	105,789	81,731	91,178	73,875	81,791	92,552	78,741

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		
	March	February	January
Imports			
Volume (million cubic feet)			
Pipeline			
Canada ^a	231,333	241,434	286,650
Mexico	125	137	137
Total Pipeline Imports	231,458	241,571	286,787
LNG			
By Truck			
Canada	0	41	0
By Vessel			
Norway	0	0	0
Trinidad/Tobago	2,701	3,783	6,207
Yemen	0	0	2,329
Other	0	0	0
Total LNG Imports	2,701	3,824	8,536
CNG			
Canada	30	27	33
Total Imports	234,189	245,422	295,356
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	8.02	8.91	6.94
Mexico	3.79	4.55	3.41
Total Pipeline Imports	8.02	8.91	6.94
LNG			
By Truck			
Canada	--	9.55	--
By Vessel			
Norway	--	--	--
Trinidad/Tobago	8.47	11.01	7.59
Yemen	--	--	5.90
Other	--	--	--
Total LNG Imports	8.47	10.99	7.13
CNG			
Canada	17.17	34.22	24.14
Total Imports	8.12	9.11	7.15
Net Imports - Volume	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.

^c Revised data.

^d 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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	131,783	150,621	166,474	62,154	869,629	700,647	58,603
Mexico	199,266	133,231	104,098	98,777	100,489	1,054,271	99,952
Total Pipeline Exports	331,049	283,853	270,572	160,931	8170,118	1,754,918	158,555
LNG							
Exports							
By Vessel							
Barbados	2	0	0	2	0	0	0
Brazil	1,993	0	0	1,993	0	0	0
Japan	0	0	0	0	0	8,262	0
Taiwan	0	0	0	0	0	8,257	0
By Truck							
Canada	2	10	20	0	2	41	0
Mexico	48	37	39	24	25	195	27
Re-Exports							
By Vessel							
Brazil	1,290	5,533	2,664	1,290	0	5,533	0
Egypt	0	0	0	0	0	2,947	0
Turkey	0	0	0	0	0	3,145	3,145
Total LNG Exports	3,336	5,580	2,724	3,309	26	28,381	3,172
CNG							
Canada	46	44	61	22	25	214	27
Total CNG Exports	46	44	61	22	25	214	27
Total Exports	334,431	289,477	273,357	164,262	8170,169	1,783,512	161,754
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.51	4.02	9.00	2.35	82.66	3.15	2.30
Mexico	2.33	3.25	5.45	2.20	2.45	2.81	2.30
Total Pipeline Exports	2.40	3.66	7.63	2.26	82.53	2.95	2.30
LNG							
Exports							
By Vessel							
Barbados	10.00	--	--	10.00	--	--	--
Brazil	4.03	--	--	4.03	--	--	--
Japan	--	--	--	--	--	7.50	--
Taiwan	--	--	--	--	--	7.49	--
By Truck							
Canada	7.41	13.06	15.15	--	7.41	12.36	--
Mexico	10.57	10.99	13.40	10.16	10.96	10.44	10.90
Re-Exports							
By Vessel							
Brazil	4.03	15.19	15.51	4.03	--	15.19	--
Egypt	--	--	--	--	--	16.71	--
Turkey	--	--	--	--	--	15.99	15.99
Total LNG Exports	4.13	15.16	15.47	4.07	10.74	10.92	15.95
CNG							
Canada	3.84	11.37	24.27	2.41	5.09	5.73	5.46
Total CNG Exports	3.84	11.37	24.27	2.41	5.09	5.73	5.46
Total Exports	2.42	3.88	7.71	2.29	82.53	3.07	2.57

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
	November	October	September	August	July	June	May
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	61,260	57,430	59,695	40,986	39,995	44,658	44,672
Mexico	91,490	98,314	100,111	101,131	101,031	90,724	86,805
Total Pipeline Exports	152,750	155,744	159,806	142,117	141,027	135,382	131,477
LNG							
Exports							
By Vessel							
Barbados	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Japan	0	2,755	0	2,753	2,753	0	0
Taiwan	0	0	2,755	0	0	2,754	2,748
By Truck							
Canada	1	0	2	0	5	6	6
Mexico	21	14	11	10	13	14	15
Re-Exports							
By Vessel							
Brazil	0	0	0	0	0	0	0
Egypt	2,947	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	2,969	2,769	2,767	2,763	2,771	2,774	2,769
CNG							
Canada	20	4	0	5	23	23	28
Total CNG Exports	20	4	0	5	23	23	28
Total Exports	155,739	158,517	162,573	144,885	143,820	138,179	134,274
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.50	2.76	2.97	2.97	2.84	2.85	2.85
Mexico	2.26	2.61	2.77	3.00	3.01	2.94	2.86
Total Pipeline Exports	2.36	2.66	2.84	2.99	2.96	2.91	2.85
LNG							
Exports							
By Vessel							
Barbados	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Japan	--	6.51	--	7.90	8.08	--	--
Taiwan	--	--	7.16	--	--	7.80	7.50
By Truck							
Canada	6.81	--	10.18	--	13.39	12.01	12.14
Mexico	10.59	10.48	9.81	9.94	9.96	10.01	9.96
Re-Exports							
By Vessel							
Brazil	--	--	--	--	--	--	--
Egypt	16.71	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	16.67	6.53	7.17	7.91	8.10	7.82	7.53
CNG							
Canada	4.80	3.42	--	2.08	2.91	2.44	2.37
Total CNG Exports	4.80	3.42	--	2.08	2.91	2.44	2.37
Total Exports	2.63	2.73	2.92	3.09	3.06	3.01	2.95

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		
	April	March	February	January	Total	December	November
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	53,086	89,639	77,594	73,028	769,258	73,331	62,327
Mexico	77,196	74,286	64,596	68,635	728,513	63,601	58,487
Total Pipeline Exports	130,283	163,925	142,190	141,663	1,497,771	136,932	120,814
LNG							
Exports							
By Vessel							
Barbados	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Japan	0	0	0	0	13,310	0	0
Taiwan	0	0	0	0	0	0	0
By Truck							
Canada	7	6	4	6	99	8	7
Mexico	18	17	16	21	181	20	20
Re-Exports							
By Vessel							
Brazil	0	0	2,728	2,805	2,664	0	0
Egypt	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	24	23	2,748	2,832	16,255	28	27
CNG							
Canada	21	20	17	27	217	22	20
Total CNG Exports	21	20	17	27	217	22	20
Total Exports	130,328	163,967	144,955	144,522	1,514,242	136,982	120,861
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.91	3.71	4.39	3.63	6.10	4.28	4.64
Mexico	2.77	3.03	3.10	3.38	4.65	4.19	4.23
Total Pipeline Exports	2.83	3.40	3.81	3.51	5.40	4.24	4.44
LNG							
Exports							
By Vessel							
Barbados	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Japan	--	--	--	--	15.74	--	--
Taiwan	--	--	--	--	--	--	--
By Truck							
Canada	11.88	12.77	12.77	13.27	14.48	14.55	13.70
Mexico	10.03	10.52	10.62	11.27	12.50	13.08	11.65
Re-Exports							
By Vessel							
Brazil	--	--	12.89	17.44	15.51	--	--
Egypt	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	10.53	11.10	12.87	17.39	15.66	13.50	12.17
CNG							
Canada	3.35	10.08	10.53	11.89	12.40	14.30	3.47
Total CNG Exports	3.35	10.08	10.53	11.89	12.40	14.30	3.47
Total Exports	2.83	3.41	3.98	3.78	5.51	4.25	4.44

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
	October	September	August	July	June	May	April
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	51,838	52,153	46,888	55,096	54,581	49,976	65,157
Mexico	60,318	64,834	65,624	69,366	65,247	62,199	56,719
Total Pipeline Exports	112,156	116,987	112,513	124,462	119,828	112,175	121,877
LNG							
Exports							
By Vessel							
Barbados	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Japan	2,884	2,886	2,846	2,809	0	1,886	0
Taiwan	0	0	0	0	0	0	0
By Truck							
Canada	7	6	7	7	7	9	9
Mexico	13	12	10	11	10	12	16
Re-Exports							
By Vessel							
Brazil	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	2,904	2,904	2,863	2,827	17	1,907	25
CNG							
Canada	9	0	0	12	19	22	26
Total CNG Exports	9	0	0	12	19	22	26
Total Exports	115,069	119,891	115,376	127,301	119,864	114,105	121,928
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.96	3.98	3.94	4.37	4.81	4.78	5.04
Mexico	4.20	4.25	4.19	4.57	4.81	4.86	4.81
Total Pipeline Exports	4.09	4.13	4.09	4.48	4.81	4.82	4.93
LNG							
Exports							
By Vessel							
Barbados	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--
Japan	15.12	15.76	16.03	16.03	--	15.81	--
Taiwan	--	--	--	--	--	--	--
By Truck							
Canada	13.83	14.48	13.76	14.28	13.44	14.58	14.45
Mexico	11.44	11.47	11.24	11.85	12.00	12.59	12.51
Re-Exports							
By Vessel							
Brazil	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	15.10	15.74	16.01	16.01	12.58	15.78	13.23
CNG							
Canada	3.47	--	--	4.27	5.19	4.79	6.37
Total CNG Exports	3.47	--	--	4.27	5.19	4.79	6.37
Total Exports	4.37	4.41	4.38	4.74	4.81	5.01	4.93

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		
	March	February	January
Exports			
Volume (million cubic feet)			
Pipeline			
Canada	91,436	84,535	81,939
Mexico	58,019	51,291	52,807
Total Pipeline Exports	149,455	135,827	134,746
LNG			
Exports			
By Vessel			
Barbados	0	0	0
Brazil	0	0	0
Japan	0	0	0
Taiwan	0	0	0
By Truck			
Canada	11	12	8
Mexico	17	18	21
Re-Exports			
By Vessel			
Brazil	0	2,664	0
Egypt	0	0	0
Turkey	0	0	0
Total LNG Exports	28	2,694	29
CNG			
Canada	25	29	32
Total CNG Exports	25	29	32
Total Exports	149,508	138,550	134,807
Average Price (dollars per thousand cubic feet)			
Pipeline			
Canada	10.13	11.42	6.49
Mexico	5.16	6.16	4.76
Total Pipeline Exports	8.20	9.44	5.81
LNG			
Exports			
By Vessel			
Barbados	--	--	--
Brazil	--	--	--
Japan	--	--	--
Taiwan	--	--	--
By Truck			
Canada	15.24	15.24	15.01
Mexico	13.69	13.67	13.17
Re-Exports			
By Vessel			
Brazil	--	15.51	--
Egypt	--	--	--
Turkey	--	--	--
Total LNG Exports	14.31	15.49	13.70
CNG			
Canada	14.75	27.07	21.76
Total CNG Exports	14.75	27.07	21.76
Total Exports	8.20	9.56	5.82

^R Revised data.

-- Not applicable.

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	306,355	94,869	21,265	135,988	23,817	173,556	5,076	104,218	31,461	28,788
February	270,279	86,784	19,031	122,304	20,981	157,145	4,540	95,113	29,761	26,002
March	298,988	96,520	20,575	138,075	23,772	173,556	5,045	107,339	33,785	28,788
April	277,210	93,375	20,167	135,629	23,365	168,254	4,922	104,423	34,186	34,679
May	262,449	96,739	20,429	140,841	24,351	175,295	5,491	105,310	37,058	35,835
June	252,462	92,022	20,506	134,601	23,522	167,860	5,169	104,186	37,627	34,679
July	195,169	95,474	21,794	136,877	24,535	167,322	5,002	108,420	40,128	49,992
August	190,335	95,326	21,958	142,481	24,726	165,658	5,012	109,962	41,789	49,992
September	259,857	92,098	21,130	134,588	24,183	160,606	4,970	104,462	42,555	48,380
October	271,472	94,406	22,055	142,018	25,041	166,387	4,959	107,578	44,575	61,202
November	282,350	92,488	21,557	130,248	23,944	153,468	4,634	105,898	42,962	59,227
December	301,640	93,578	22,253	137,740	23,841	158,522	5,111	108,670	47,044	61,202
Total	3,168,566	1,123,678	252,718	1,631,390	286,080	1,987,630	59,930	1,265,579	462,929	518,767
2015										
January	291,772	£91,710	£18,830	£140,307	£25,985	£164,588	£4,919	£103,308	£45,804	£64,049
February	254,492	£79,498	£16,782	£128,545	£23,264	£149,445	£4,468	£98,290	£41,581	£60,157
March	299,987	£90,420	£18,716	£141,766	£26,116	£168,278	£4,876	£109,373	£47,333	£69,570
April	284,700	£87,712	£18,060	£136,232	£24,831	£161,941	£4,909	£107,584	£46,172	£70,792
May	261,377	£89,202	£18,725	£140,185	£25,365	£162,931	£4,994	£111,615	£50,219	£77,865
June	223,020	£84,409	£17,881	£136,442	£24,458	£154,206	£4,784	£107,359	£49,171	£84,693
July	221,340	£85,763	£19,225	£139,822	£24,842	£159,456	£4,941	£109,430	£51,167	£88,406
August	204,073	£83,954	£19,655	£143,397	£24,864	£166,570	£4,756	£112,061	£50,537	£87,904
September	261,150	£81,546	£18,928	£138,325	£23,819	£164,270	£4,573	£109,134	£47,895	£89,371
October	279,434	£83,309	£18,868	£144,845	£23,559	£166,973	£4,827	£112,013	£50,958	£104,127
November	289,770	£79,289	£18,261	£139,733	£22,451	£161,374	£4,562	£107,683	£49,659	£104,731
December	304,048	RE80,509	RE18,749	RE142,189	RE22,896	RE161,692	RE4,608	RE102,059	RE51,265	RE113,185
Total	3,175,163	RE1,017,319	RE222,680	RE1,671,787	RE292,450	RE1,941,727	RE57,218	RE1,289,908	RE581,761	RE1,014,848
2016										
January	298,809	RE77,827	RE18,796	RE143,369	RE22,535	RE158,650	RE4,515	RE99,570	RE50,019	RE112,341
February	273,296	£71,965	£17,195	£134,150	£20,900	£151,208	£4,229	£99,478	£47,916	£116,314
2016 2-Month YTD	572,105	£149,791	£35,991	£277,520	£43,435	£309,858	£8,744	£199,048	£97,936	£228,655
2015 2-Month YTD	546,264	£171,208	£35,612	£268,852	£49,249	£314,033	£9,387	£201,598	£87,384	£124,206
2014 2-Month YTD	576,634	181,652	40,295	258,291	44,798	330,702	9,616	199,332	61,221	54,790

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	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
2011 Total	1,888,870	1,310,592	7,934,689	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	186,124	344,614	698,622	38,650	72,247	171,207	54,427	102,289	2,593,572
February	165,116	311,264	632,819	35,388	69,800	154,945	49,532	95,583	2,346,387
March	190,588	344,614	716,748	39,365	79,741	172,128	54,594	105,386	2,629,607
April	188,040	333,497	710,993	38,628	76,914	162,657	50,484	106,317	2,563,743
May	196,571	344,614	741,111	39,422	81,747	168,459	54,815	111,402	2,641,938
June	190,710	333,497	721,469	38,189	81,340	164,165	51,949	107,474	2,561,425
July	197,222	371,081	742,693	38,989	90,243	168,531	53,857	109,897	2,617,227
August	199,330	371,081	748,881	38,367	93,188	164,707	53,828	110,901	2,627,523
September	195,150	359,110	718,440	36,656	94,323	165,345	52,292	106,593	2,620,737
October	202,957	371,081	746,108	37,132	99,180	171,621	53,609	110,787	2,732,167
November	196,620	359,110	722,850	35,772	95,703	164,793	51,091	101,564	2,644,277
December	201,686	371,081	762,600	36,648	105,823	169,108	53,374	107,021	2,766,943
Total	2,310,114	4,214,643	8,663,333	453,207	1,040,250	1,997,666	633,853	1,275,213	31,345,546
2015									
January	£206,817	£403,366	£731,831	£37,635	£110,332	£166,395	£50,382	£110,535	£2,768,566
February	£186,741	£366,314	£673,092	£35,449	£98,200	£151,354	£46,120	£98,417	£2,512,207
March	£216,067	£408,929	£746,691	£39,560	£113,381	£170,891	£48,777	£99,298	£2,820,029
April	£209,983	£387,909	£726,293	£37,987	£110,279	£167,669	£46,553	£112,708	£2,742,316
May	£214,639	£385,252	£743,980	£38,572	£120,138	£166,769	£48,322	£116,245	£2,776,393
June	£211,079	£372,179	£731,065	£36,706	£113,604	£164,585	£49,835	£111,473	£2,676,949
July	£217,883	£398,737	£752,341	£35,984	£115,055	£168,548	£52,422	£121,847	£2,767,207
August	£213,529	£408,325	£754,086	£33,029	£114,871	£167,539	£52,053	£124,795	£2,765,998
September	£204,298	£396,931	£731,049	£30,933	£111,932	£162,880	£51,181	£122,038	£2,750,252
October	£209,342	£404,431	£739,603	£31,404	£108,711	£167,555	£51,756	£116,075	£2,817,792
November	£201,517	£406,585	£713,058	£30,910	£96,829	£161,812	£49,472	£106,086	£2,743,783
December	RE207,703	RE429,892	RE720,290	RE34,255	RE105,489	RE163,096	RE49,484	RE112,137	RE2,823,547
Total	RE2,499,599	RE4,768,848	RE8,763,381	RE422,423	RE1,318,822	RE1,979,094	RE596,357	RE1,351,655	RE32,965,038
2016									
January	RE211,277	RE447,452	RE710,449	RE34,175	RE114,272	RE161,188	£49,405	RE108,556	RE2,823,205
February	£196,561	£433,413	£669,397	£31,212	£108,666	£145,338	£46,128	£101,200	£2,668,567
2016 2-Month YTD	£407,838	£880,865	£1,379,846	£65,388	£222,938	£306,526	£95,533	£209,757	£5,491,773
2015 2-Month YTD	£393,558	£769,680	£1,404,922	£73,084	£208,532	£317,749	£96,502	£208,952	£5,280,773
2014 2-Month YTD	351,240	655,878	1,331,441	74,039	142,048	326,152	103,959	197,872	4,939,959

^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: 2011-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2015 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	31,083	94,869	21,265	135,988	23,817	173,029	5,076	97,483	19,586	28,788
February	28,096	86,784	19,031	122,304	20,981	156,685	4,540	88,834	18,650	26,002
March	30,019	96,520	20,575	138,075	23,772	172,996	5,045	100,373	21,956	28,788
April	28,991	93,375	20,167	135,629	23,365	167,701	4,922	97,603	23,519	34,679
May	28,783	96,739	20,429	140,841	24,351	174,748	5,491	98,032	26,148	35,835
June	27,050	92,022	20,506	134,601	23,522	167,660	5,169	97,651	26,284	34,679
July	25,966	95,474	21,794	136,877	24,535	166,320	5,002	101,569	28,992	49,992
August	25,904	95,326	21,958	142,481	24,726	164,210	5,012	102,838	29,690	49,992
September	28,504	92,098	21,130	134,588	24,183	159,604	4,970	97,661	31,275	48,380
October	29,889	94,406	22,055	142,018	25,041	166,081	4,959	99,310	33,925	61,202
November	29,439	92,488	21,557	130,248	23,944	153,174	4,634	98,457	31,448	59,227
December	31,606	93,578	22,253	137,740	23,841	158,079	5,111	100,997	35,065	61,202
Total	345,331	1,123,678	252,718	1,631,390	286,080	1,980,287	59,930	1,180,808	326,537	518,767
2015										
January	31,268	£91,710	£18,830	£140,307	£25,985	£163,798	£4,919	£99,878	£36,249	£64,049
February	27,510	£79,498	£16,782	£128,545	£23,264	£148,728	£4,468	£95,026	£32,907	£60,157
March	30,523	£90,420	£18,716	£141,766	£26,116	£167,471	£4,876	£105,742	£37,459	£69,570
April	29,759	£87,712	£18,060	£136,232	£24,831	£161,164	£4,909	£104,012	£36,541	£70,792
May	29,124	£89,202	£18,725	£140,185	£25,365	£162,149	£4,994	£107,909	£39,743	£77,865
June	26,000	£84,409	£17,881	£136,442	£24,458	£153,466	£4,784	£103,795	£38,914	£84,693
July	26,682	£85,763	£19,225	£139,822	£24,842	£158,691	£4,941	£105,797	£40,494	£88,406
August	25,176	£83,954	£19,655	£143,397	£24,864	£165,771	£4,756	£108,340	£39,995	£87,904
September	27,600	£81,546	£18,928	£138,325	£23,819	£163,482	£4,573	£105,510	£37,904	£89,371
October	29,182	£83,309	£18,868	£144,845	£23,559	£166,172	£4,827	£108,294	£40,328	£104,127
November	£29,665	£79,289	£18,261	£139,733	£22,451	£160,600	£4,562	£104,108	£39,300	£104,731
December	30,941	£80,509	£18,749	£142,189	£22,896	£160,916	£4,608	£98,671	£40,571	£113,185
Total	£343,430	£1,017,319	£222,680	£1,671,787	£292,450	£1,932,407	£57,218	£1,247,083	£460,406	£1,014,848
2016										
January	30,686	£77,827	£18,796	£143,369	£22,535	£157,889	£4,515	£96,264	£39,585	£112,341
February	28,434	£71,965	£17,195	£134,150	£20,900	£150,482	£4,229	£96,176	£37,921	£116,314
2016 2-Month YTD	59,120	£149,791	£35,991	£277,520	£43,435	£308,371	£8,744	£192,440	£77,506	£228,655
2015 2-Month YTD	58,778	£171,208	£35,612	£268,852	£49,249	£312,526	£9,387	£194,905	£69,156	£124,206
2014 2-Month YTD	59,179	181,652	40,295	258,291	44,798	329,714	9,616	186,317	38,235	54,790

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	186,124	344,614	628,628	38,650	72,247	154,924	52,587	100,452	2,209,210
February	165,116	311,264	568,415	35,388	69,800	138,862	47,813	93,774	2,002,339
March	190,588	344,614	643,131	39,365	79,741	154,523	52,667	103,420	2,246,167
April	188,040	333,497	640,032	38,628	76,914	146,128	48,605	104,596	2,206,393
May	196,571	344,614	672,480	39,422	81,747	151,143	53,069	109,516	2,299,959
June	190,710	333,497	659,045	38,189	81,340	147,156	50,481	105,900	2,235,460
July	197,222	371,081	677,194	38,989	90,243	150,749	52,088	108,321	2,342,409
August	199,330	371,081	684,948	38,367	93,188	147,940	51,988	109,226	2,358,206
September	195,150	359,110	666,487	36,656	94,323	147,236	50,513	105,039	2,296,906
October	202,957	371,081	691,123	37,132	99,180	154,478	51,987	109,222	2,396,045
November	196,620	359,110	697,106	35,772	95,703	146,798	49,527	100,101	2,325,354
December	201,686	371,081	724,754	36,648	105,823	151,298	51,638	105,795	2,418,195
Total	2,310,114	4,214,643	7,953,343	453,207	1,040,250	1,791,235	612,963	1,255,362	27,336,644
2015									
January	E206,817	E403,366	E657,404	E37,635	E110,332	E148,341	E48,754	E108,877	E2,398,521
February	E186,741	E366,314	E604,638	E35,449	E98,200	E134,932	E44,630	E96,940	E2,184,730
March	E216,067	E408,929	E670,753	E39,560	E113,381	E152,349	E47,201	E97,809	E2,438,707
April	E209,983	E387,909	E652,429	E37,987	E110,279	E149,477	E45,050	E111,017	E2,378,144
May	E214,639	E385,252	E668,317	E38,572	E120,138	E148,675	E46,761	E114,502	E2,432,116
June	E211,079	E372,179	E656,716	E36,706	E113,604	E146,727	E48,225	E109,801	E2,369,878
July	E217,883	E398,737	E675,828	E35,984	E115,055	E150,260	E50,729	E120,019	E2,459,155
August	E213,529	E408,325	E677,396	E33,029	E114,871	E149,361	E50,372	E122,924	E2,473,618
September	E204,298	E396,931	E656,702	E30,933	E111,932	E145,208	E49,527	E120,208	E2,406,795
October	E209,342	E404,431	E664,386	E31,404	E108,711	E149,375	E50,084	E114,334	E2,455,580
November	E201,517	E406,585	E640,540	E30,910	E96,829	E144,256	E47,874	E104,494	E2,375,706
December	RE207,703	RE429,892	RE647,037	RE34,255	RE105,489	RE145,400	RE47,886	RE110,455	RE2,441,351
Total	RE2,499,599	RE4,768,848	RE7,872,145	RE422,423	RE1,318,822	RE1,764,362	RE577,095	RE1,331,380	RE28,814,300
2016									
January	RE211,277	RE447,452	RE638,196	RE34,175	RE114,272	RE143,699	E47,809	RE106,928	RE2,447,615
February	E196,561	E433,413	E601,319	E31,212	E108,666	E129,569	E44,638	E99,682	E2,322,827
2016 2-Month YTD	E407,838	E880,865	E1,239,516	E65,388	E222,938	E273,268	E92,447	E206,610	E4,770,442
2015 2-Month YTD	E393,558	E769,680	E1,262,042	E73,084	E208,532	E283,273	E93,385	E205,818	E4,583,250
2014 2-Month YTD	351,240	655,878	1,197,043	74,039	142,048	293,786	100,400	194,226	4,211,549

^R Revised data.^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: 2011-2014: Energy Information Administration (EIA), *Natural Gas Annual 2014*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2015 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	4,360	2,417	6,777	492	25.5	70	795	725
February	4,359	1,677	6,036	477	39.7	62	803	741
March	4,360	1,483	5,843	625	72.9	182	376	194
April	4,360	1,805	6,164	738	69.2	405	84	-321
May	4,362	2,299	6,661	751	48.5	542	44	-497
June	4,366	2,658	7,025	653	32.6	430	68	-362
July	4,371	2,935	7,306	535	22.3	378	96	-283
August	4,363	3,252	7,616	484	17.5	394	85	-309
September	4,364	3,625	7,989	438	13.7	435	63	-372
October	4,365	3,953	8,318	366	10.2	401	70	-331
November	4,367	3,938	8,305	511	14.9	201	214	13
December	4,363	3,677	8,040	536	17.1	138	403	265
Total	--	--	--	--	--	3,639	3,100	-539
2016								
January	4,361	R2,948	R7,309	R531	R22.0	66	794	728
February	4,360	2,545	6,905	869	51.8	111	515	403

^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; and 2014 – 9,233. 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.

^R Revised data.

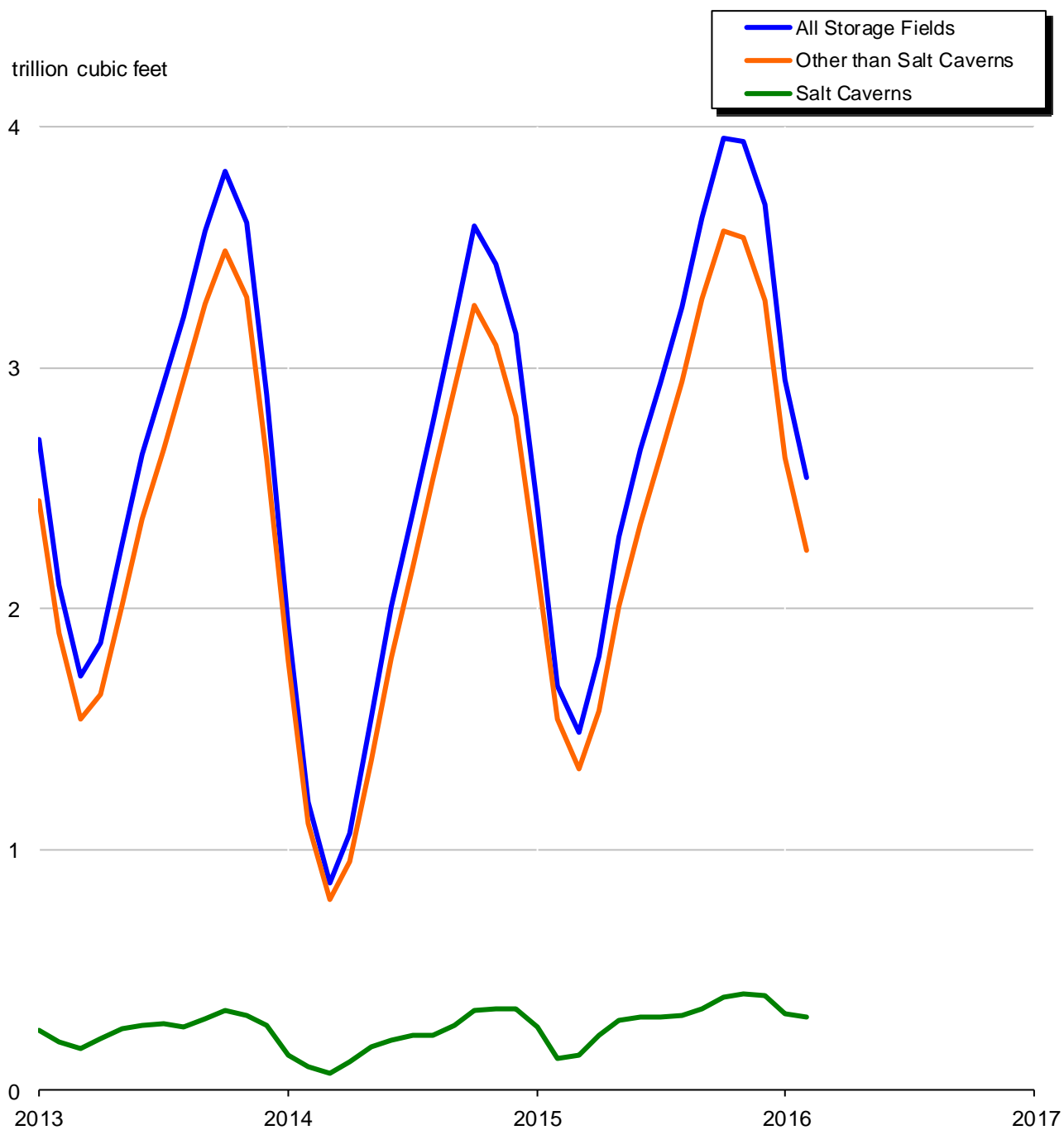
-- Not applicable.

Notes: Data for 2011 through 2013 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 Heating Season								
November	4,366	3,605	7,971	-194	-5.1	155	366	211
December	4,365	2,890	7,255	-523	-15.3	94	808	714
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
Total	--	--	--	--	--	556	3,533	2,977
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	4,360	2,417	6,777	492	25.5	70	795	725
February	4,359	1,677	6,036	477	39.7	62	803	741
March	4,360	1,483	5,843	625	72.9	182	376	194
Total	--	--	--	--	--	657	2,764	2,107
2015 Refill Season								
April	4,360	1,805	6,164	738	69.2	405	84	-321
May	4,362	2,299	6,661	751	48.5	542	44	-497
June	4,366	2,658	7,025	653	32.6	430	68	-362
July	4,371	2,935	7,306	535	22.3	378	96	-283
August	4,363	3,252	7,616	484	17.5	394	85	-309
September	4,364	3,625	7,989	438	13.7	435	63	-372
October	4,365	3,953	8,318	366	10.2	401	70	-331
Total	--	--	--	--	--	2,986	510	-2,475
2016 Heating Season								
November	4,367	3,938	8,305	511	14.9	201	214	13
December	4,363	3,677	8,040	536	17.1	138	403	265
January	4,361	R2,948	R7,309	R531	R22.0	66	794	728
February	4,360	2,545	6,905	869	51.8	111	515	403

^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.

^R Revised data.

-- Not applicable.

Notes: Data for 2013 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	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	82.3	24	105	81
February	179	135	314	41	42.7	15	140	125
March	178	147	326	79	115.7	58	46	-12
April	178	230	408	110	92.4	95	13	-82
May	180	292	472	113	63.4	82	17	-65
June	182	307	489	98	46.9	44	29	-15
July	182	305	487	79	35.1	37	38	1
August	182	309	491	80	35.1	36	32	-4
September	182	341	523	70	26.0	55	24	-31
October	182	384	566	53	16.2	67	24	-43
November	182	398	580	63	18.7	50	37	-13
December	182	396	577	55	16.1	44	46	2
Total	--	--	--	--	--	607	551	-56
2016								
January	181	320	501	60	23.2	29	105	76
February	180	304	485	169	124.7	42	58	16
2016 2-Month YTD	--	--	--	--	--	71	164	92
2015 2-Month YTD	--	--	--	--	--	39	246	206
2014 2-Month YTD	--	--	--	--	--	88	265	177

^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.

^R Revised data.

-- Not applicable.

Notes: Data for 2011 through 2013 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	4,181	2,156	6,338	374	21.0	46	690	644
February	4,180	1,541	5,722	436	39.5	47	662	616
March	4,182	1,335	5,517	546	69.3	124	330	205
April	4,182	1,575	5,757	628	66.3	310	71	-239
May	4,182	2,007	6,189	638	46.6	460	28	-433
June	4,185	2,352	6,536	555	30.9	386	39	-346
July	4,189	2,630	6,819	456	21.0	342	58	-284
August	4,182	2,943	7,124	403	15.9	358	53	-305
September	4,183	3,283	7,466	367	12.6	380	39	-341
October	4,183	3,569	7,752	312	9.6	334	46	-288
November	4,186	3,540	7,725	448	14.5	151	177	26
December	4,181	3,282	7,462	481	17.2	94	356	263
Total	--	--	--	--	--	3,032	2,549	-483
2016								
January	4,180	R2,628	R6,808	R471	R21.9	37	689	652
February	4,180	2,241	6,420	700	45.4	69	456	387
2016 2-Month YTD	--	--	--	--	--	106	1,145	1,039
2015 2-Month YTD	--	--	--	--	--	93	1,352	1,259
2014 2-Month YTD	--	--	--	--	--	85	1,607	1,522

^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.

^R Revised data.

-- Not applicable.

Notes: Data for 2011 through 2013 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		Total	2015		
	February	January		December	November	October
Alabama	-713	4,787	-3,817	-249	-1,217	-415
Alaska ^a	-459	-50	782	140	197	-52
Arkansas	328	434	-1,046	-127	-283	-212
California	7,203	40,217	-2,698	44,087	5,699	-18,709
Colorado	2,412	9,800	-5,930	9,420	1,802	-4,141
Illinois	50,274	69,604	-10,603	45,715	-1,164	-36,756
Indiana	5,259	6,106	-4,411	1,569	-1,236	-2,047
Iowa	10,674	19,427	-4,955	16,556	4,637	-14,124
Kansas	11,914	26,541	-10,954	11,377	7,836	-5,912
Kentucky	9,656	19,675	-17,554	7,953	-1,730	-9,465
Louisiana	21,175	56,058	-88,237	8,860	-15,244	-40,257
Maryland	2,294	3,991	-1,304	517	490	-262
Michigan	80,654	108,415	-87,722	30,889	3,499	-60,050
Minnesota	127	315	-78	10	-149	-262
Mississippi	6,944	36,129	-27,879	-723	-4,892	-14,206
Missouri	-168	433	-586	28	-212	-268
Montana	2,057	4,394	-3,197	3,620	2,456	-1,050
Nebraska	549	1,788	-786	979	212	-1,193
New Mexico	1,413	1,568	-19,897	-616	-2,132	-2,258
New York	14,573	21,931	-17,194	2,247	-87	-6,422
Ohio	32,160	47,082	-33,025	19,441	7,717	-11,308
Oklahoma	10,070	26,725	-32,397	8,250	3,951	-13,483
Oregon	481	1,845	474	2,338	1,139	-1,330
Pennsylvania	62,426	87,473	-40,797	11,466	-5,821	-31,589
Tennessee	0	0	0	0	0	0
Texas	24,128	56,721	-91,530	6,424	-2,086	-41,913
Utah	3,685	8,830	-8,073	6,185	3,131	-1,402
Virginia	17	1,612	-468	48	-270	-545
Washington	5,854	1,480	4,545	2,710	3,788	-792
West Virginia	35,655	62,042	-28,160	23,846	2,845	-9,186
Wyoming	2,448	3,031	-1,237	1,646	-255	-1,419
Regions						
East Region	147,125	224,131	-120,948	57,566	4,874	-59,311
South Central Region	73,846	207,396	-255,860	33,813	-11,936	-116,399
Midwest Region	156,476	223,975	-125,909	102,720	3,645	-122,971
Mountain Region	12,562	29,411	-39,121	21,235	5,213	-11,462
Pacific Region	13,538	43,542	2,322	49,135	10,625	-20,831
Total Lower 48 States	403,548	728,455	-539,517	264,468	12,421	-330,975
U.S. Total	403,089	728,405	-538,735	264,608	12,618	-331,026

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	September	August	July	June	May	April
Alabama	-2,416	1,057	-971	-734	-5,684	-6,159
Alaska ^a	92	-108	-171	-78	-71	219
Arkansas	-141	-403	-437	-357	-411	91
California	-6,577	1,758	-8,522	-10,336	-25,451	-16,467
Colorado	-5,250	-5,181	-5,048	-6,817	-5,045	1,888
Illinois	-37,238	-34,172	-32,685	-29,520	-28,714	1,105
Indiana	-3,878	-3,494	-2,687	-2,942	-2,903	-294
Iowa	-16,136	-13,614	-2,563	-6,962	-5,355	541
Kansas	-14,045	-9,249	-16,737	-11,868	-13,935	-2,777
Kentucky	-7,783	-6,294	-5,729	-5,537	-9,947	-14,941
Louisiana	-33,722	-20,717	-17,892	-16,431	-36,612	-45,037
Maryland	-372	-2,786	-2,440	-2,577	-2,522	-254
Michigan	-75,170	-81,284	-74,938	-82,493	-82,150	-42,975
Minnesota	-219	-202	-176	-37	6	6
Mississippi	-16,234	-4,313	-1,700	-11,013	-21,243	-30,471
Missouri	-581	0	0	*	0	0
Montana	-2,101	-3,445	-3,385	-3,128	-2,545	-1,350
Nebraska	-1,296	-965	-77	-1,343	-1,121	-417
New Mexico	-1,275	-1,429	-1,726	-1,306	-2,874	-2,771
New York	-8,417	-8,306	-9,358	-15,320	-12,888	-4,966
Ohio	-22,886	-27,651	-25,160	-26,651	-31,413	-14,797
Oklahoma	-8,189	-6,183	-8,740	-17,758	-30,908	-22,563
Oregon	-1,482	-685	2	-374	-2,416	116
Pennsylvania	-38,785	-35,179	-24,593	-51,105	-62,659	-27,319
Tennessee	0	0	0	0	0	0
Texas	-35,276	-6,397	-1,462	-23,854	-64,583	-68,034
Utah	-4,323	-3,183	-5,792	-5,110	-6,367	-512
Virginia	-623	-508	-87	-509	-600	793
Washington	-2,976	-4,747	278	122	-4,285	-1,199
West Virginia	-22,820	-30,311	-28,852	-25,772	-33,361	-23,211
Wyoming	-1,866	-1,115	-1,186	-1,715	-1,151	308
Regions						
East Region	-93,904	-104,741	-90,489	-121,935	-143,443	-69,755
South Central Region	-110,024	-46,205	-47,939	-82,015	-173,376	-174,950
Midwest Region	-141,004	-139,059	-118,778	-127,490	-129,063	-56,557
Mountain Region	-16,112	-15,317	-17,214	-19,419	-19,103	-2,853
Pacific Region	-11,035	-3,674	-8,243	-10,588	-32,152	-17,550
Total Lower 48 States	-372,079	-308,996	-282,663	-361,447	-497,137	-321,666
U.S. Total	-371,987	-309,104	-282,834	-361,525	-497,208	-321,448

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015			2014		
	March	February	January	Total	December	November
Alabama	-243	8,440	4,774	-5,603	-1,346	321
Alaska ^a	235	185	194	-5,152	-733	-558
Arkansas	234	567	431	468	187	259
California	-4,345	-2,750	38,916	-45,335	14,741	2,894
Colorado	920	5,579	5,942	-1,818	9,314	2,970
Illinois	21,193	58,104	63,529	-10,730	50,911	11,226
Indiana	2,709	5,238	5,552	-841	2,764	207
Iowa	6,384	11,129	14,550	-7,424	15,333	9,991
Kansas	-521	26,416	18,461	-15,614	8,640	11,740
Kentucky	2,284	20,181	13,454	-5,015	1,712	2,549
Louisiana	-1,990	73,436	57,369	21,565	11,447	7,202
Maryland	970	4,876	3,057	556	596	2,764
Michigan	61,590	176,480	138,879	-75,432	47,328	51,226
Minnesota	351	255	337	-364	97	-107
Mississippi	371	40,415	36,131	-35,561	-4,655	-2,348
Missouri	-976	1,273	151	-1,253	135	-314
Montana	-172	3,314	4,588	16,007	3,346	3,688
Nebraska	669	1,778	1,989	-278	888	719
New Mexico	-2,404	-1,237	131	7,015	440	-200
New York	12,114	16,529	17,678	-4,857	5,228	7,036
Ohio	19,170	37,546	42,969	-6,127	23,765	18,676
Oklahoma	1,625	31,015	30,588	-6,811	15,204	7,444
Oregon	-732	688	3,212	-3,318	1,267	1,993
Pennsylvania	48,329	92,652	83,807	-41,556	29,332	16,036
Tennessee	0	0	0	0	0	0
Texas	4,146	75,241	66,265	-19,539	10,548	-17,967
Utah	-197	3,249	6,246	-1,155	7,368	4,621
Virginia	-1,256	1,821	1,268	6	158	176
Washington	2,520	4,712	4,416	-3,458	676	1,577
West Virginia	19,409	41,225	58,024	-765	30,123	16,358
Wyoming	1,217	2,397	1,901	-569	1,586	831
Regions						
East Region	98,736	194,649	206,803	-52,743	89,203	61,045
South Central Region	3,622	255,529	214,020	-61,096	40,026	6,651
Midwest Region	93,536	272,661	236,452	-101,059	118,280	74,778
Mountain Region	34	15,081	20,797	19,202	22,941	12,630
Pacific Region	-2,557	2,649	46,544	-52,112	16,684	6,464
Total Lower 48 States	193,371	740,569	724,616	-247,806	287,134	161,568
U.S. Total	193,606	740,754	724,811	-252,958	286,401	161,011

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014					
	October	September	August	July	June	May
Alabama	-3,227	-761	492	-38	-420	-5,110
Alaska ^a	106	-564	-697	-256	-1,546	-263
Arkansas	-12	-166	-396	-422	-450	-450
California	-27,183	-12,319	-22,052	-20,946	-41,166	-48,253
Colorado	-3,960	-6,177	-6,161	-7,622	-7,111	-3,848
Illinois	-38,767	-38,887	-39,186	-35,418	-35,170	-29,654
Indiana	-2,561	-3,451	-3,655	-3,103	-3,175	-2,745
Iowa	-11,564	-16,589	-16,826	-8,737	-7,981	-7,521
Kansas	-9,250	-12,602	-7,892	-15,372	-12,785	-4,659
Kentucky	-11,752	-9,008	-9,946	-9,214	-9,743	-8,340
Louisiana	-49,804	-37,896	-26,081	-35,789	-30,151	-29,849
Maryland	-1,919	-1,591	14	-2,308	-3,179	-3,611
Michigan	-45,756	-78,777	-92,472	-97,216	-97,918	-85,403
Minnesota	-294	-223	-269	-247	-225	-184
Mississippi	-14,920	-13,380	331	-7,067	-16,132	-28,960
Missouri	-312	-257	-777	0	0	*
Montana	-1,742	-1,952	-2,072	-2,852	-2,151	-2,124
Nebraska	-574	-2,299	-1,907	-1,589	-1,809	-94
New Mexico	-2,469	-41	1,099	401	-2,165	-1,792
New York	-11,131	-14,041	-15,669	-13,780	-11,399	-6,000
Ohio	-15,873	-25,383	-22,667	-22,917	-28,204	-27,166
Oklahoma	-24,105	-15,412	-10,561	-10,836	-16,051	-19,840
Oregon	-505	-1,425	-1,897	-3,056	-4,133	-3,018
Pennsylvania	-39,656	-50,233	-44,335	-38,363	-55,862	-63,219
Tennessee	0	0	0	0	0	0
Texas	-60,721	-44,441	-11,235	-22,245	-33,940	-44,996
Utah	-1,973	-5,125	-5,742	-7,678	-7,760	-8,156
Virginia	-638	-848	183	-282	167	-573
Washington	-223	-1,524	-4,077	-1,529	-3,418	-5,031
West Virginia	-17,465	-24,144	-25,969	-28,904	-27,051	-35,829
Wyoming	-2,049	-2,016	-3,075	-2,118	-1,709	-953
Regions						
East Region	-86,683	-116,239	-108,445	-106,553	-125,529	-136,399
South Central Region	-162,037	-124,657	-55,342	-91,771	-109,928	-133,863
Midwest Region	-111,005	-147,193	-163,132	-153,935	-154,212	-133,848
Mountain Region	-12,768	-17,611	-17,858	-21,457	-22,706	-16,967
Pacific Region	-27,912	-15,268	-28,027	-25,531	-48,717	-56,302
Total Lower 48 States	-400,405	-420,968	-372,803	-399,247	-461,091	-477,379
U.S. Total	-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, February 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	9,640	20,669	30,309	13,768	199.5	3,081	2,367
Alaska ^a	5	83,592	67,915	14,197	24,790	38,987	164	0.7	748	289
Arkansas	2	21,853	12,178	11,652	1,057	12,709	-214	-16.8	208	537
California	14	601,808	375,496	225,845	240,467	466,313	-8,951	-3.6	7,694	14,897
Colorado	10	130,186	63,774	58,428	29,368	87,796	2,740	10.3	3,933	6,345
Illinois	28	1,004,100	303,613	701,925	89,243	791,168	12,589	16.4	2,208	52,482
Indiana	21	111,581	33,592	77,164	15,277	92,441	3,953	34.9	119	5,378
Iowa	4	288,210	90,313	197,897	27,970	225,867	534	1.9	1	10,675
Kansas	17	282,984	122,980	164,229	57,112	221,342	17,845	45.4	3,898	15,812
Kentucky	23	221,722	107,571	112,964	68,036	181,000	21,500	46.2	1,883	11,540
Louisiana	19	743,067	453,929	274,174	305,571	579,744	140,857	85.5	23,206	44,381
Maryland	1	64,000	18,300	45,677	9,111	54,789	2,976	48.5	546	2,840
Michigan	44	1,071,630	685,726	385,032	398,588	783,620	221,529	125.1	3,532	84,187
Minnesota	1	7,000	2,000	4,848	1,683	6,531	228	15.7	0	127
Mississippi	12	332,958	203,085	116,483	126,026	242,509	60,981	93.8	12,939	19,883
Missouri	1	13,845	6,000	7,845	6,198	14,044	1,572	34.0	726	557
Montana	5	376,301	197,501	178,501	13,439	191,940	4,649	52.9	55	2,112
Nebraska	1	34,850	12,653	22,197	8,093	30,290	5	0.1	442	991
New Mexico	2	89,100	59,738	29,362	42,592	71,954	15,885	59.5	382	1,795
New York	26	245,779	126,871	114,913	73,296	188,208	11,045	17.7	2,066	16,639
Ohio	24	575,794	230,828	340,158	86,221	426,379	34,265	66.0	260	32,421
Oklahoma	13	375,143	191,455	183,624	126,100	309,723	59,569	89.5	4,518	14,589
Oregon	7	29,565	15,935	11,186	12,352	23,538	993	8.7	336	817
Pennsylvania	49	771,422	429,796	343,699	225,614	569,313	64,473	40.0	8,852	71,278
Tennessee	1	NA	0	340	0	340	0	0.0	0	0
Texas	36	844,911	538,281	294,196	387,127	681,323	154,836	66.7	21,048	45,176
Utah	3	124,509	54,942	69,525	26,512	96,037	4,913	22.7	1,451	5,135
Virginia	2	9,500	5,400	4,100	3,573	7,673	1,928	117.1	1,471	1,488
Washington	1	46,900	24,600	22,300	9,746	32,046	-2,626	-21.2	503	6,357
West Virginia	30	528,637	259,314	269,801	85,437	355,238	26,766	45.6	2,318	37,974
Wyoming	9	157,985	73,705	68,062	23,871	91,933	-200	-0.8	3,024	5,472
Regions										
East Region	132	2,195,132	1,070,509	1,118,349	483,252	1,601,601	141,451	41.4	15,514	162,639
South Central Region	101	2,644,516	1,555,058	1,053,997	1,023,662	2,077,659	447,642	77.7	68,898	142,745
Midwest Region	123	2,718,087	1,228,815	1,488,014	606,997	2,095,011	261,905	75.9	8,469	164,945
Mountain Region	30	912,931	462,313	426,075	143,875	569,950	27,993	24.2	9,286	21,849
Pacific Region	22	678,273	416,031	259,331	262,566	521,897	-10,585	-3.9	8,534	22,072
Total Lower 48 States	408	9,148,940	4,732,726	4,345,766	2,520,351	6,866,117	868,407	52.6	110,702	514,249
U.S. Total	413	9,232,532	4,800,641	4,359,963	2,545,141	6,905,104	868,571	51.8	111,449	514,538

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

^{NA} Not available.

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-191M. 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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	13,045	16,099	16,856	5,694	7,352	31,794	3,411
Alaska	4,404	4,931	4,612	2,057	2,347	18,468	2,670
Arizona	14,364	11,612	11,836	5,746	8,619	34,215	6,609
Arkansas	13,166	14,750	16,721	5,665	7,500	30,803	3,933
California	113,008	102,051	110,284	43,542	69,466	404,869	73,730
Colorado	39,703	39,313	42,373	17,313	22,390	125,433	23,229
Connecticut	16,520	20,331	18,552	7,942	8,578	51,857	4,884
Delaware	3,963	4,848	4,600	1,879	2,084	10,501	978
District of Columbia	4,809	5,548	5,416	2,285	2,524	12,371	1,335
Florida	5,295	4,953	4,931	2,446	2,848	14,777	1,440
Georgia	46,170	52,452	52,210	19,976	26,193	117,523	11,943
Hawaii	99	112	110	47	52	572	47
Idaho	7,708	6,897	7,925	3,241	4,467	22,963	4,740
Illinois	140,950	167,423	185,670	62,355	78,595	399,446	50,744
Indiana	49,526	59,140	62,023	21,691	27,835	133,876	16,881
Iowa	23,354	26,235	30,056	10,164	13,190	62,032	8,921
Kansas	22,332	24,432	28,405	9,206	13,126	NA	8,698
Kentucky	19,402	22,500	24,217	8,629	10,774	47,712	5,585
Louisiana	13,790	16,108	18,074	5,673	8,117	36,580	3,756
Maine	850	996	782	401	450	2,605	298
Maryland	30,596	37,067	34,840	13,553	17,043	81,592	8,243
Massachusetts	38,696	51,731	43,834	18,664	20,032	125,463	12,553
Michigan	105,240	136,160	130,681	48,756	56,483	319,680	36,400
Minnesota	NA	47,867	55,234	NA	24,809	119,119	18,067
Mississippi	9,144	10,203	11,947	3,956	5,189	NA	2,377
Missouri	37,374	43,570	47,326	15,241	22,133	102,814	13,879
Montana	5,652	5,896	6,940	2,376	3,276	18,772	3,260
Nebraska	12,380	13,897	15,938	5,325	7,055	33,830	5,497
Nevada	13,806	11,209	12,091	5,536	8,270	36,592	7,264
New Hampshire	2,471	3,244	2,686	1,136	1,334	7,587	854
New Jersey	79,006	97,552	94,204	35,568	43,438	237,164	22,163
New Mexico	11,406	11,575	11,079	4,728	6,677	34,036	6,379
New York	143,299	179,847	154,853	67,778	75,521	450,815	43,444
North Carolina	29,340	33,751	30,995	13,029	16,311	NA	7,028
North Dakota	3,501	4,112	4,412	1,524	1,977	10,606	1,713
Ohio	98,240	121,666	129,056	44,070	54,170	289,683	31,154
Oklahoma	NA	24,989	29,574	NA	11,199	59,675	6,999
Oregon	11,975	10,618	14,162	4,943	7,032	37,930	7,090
Pennsylvania	84,909	102,093	98,963	38,599	46,310	242,098	24,976
Rhode Island	6,297	8,136	6,711	2,876	3,421	19,522	1,903
South Carolina	12,452	13,823	13,074	5,615	6,837	27,171	2,982
South Dakota	4,060	4,474	5,136	1,689	2,371	11,638	1,996
Tennessee	28,075	34,999	34,418	12,051	16,024	67,951	7,765
Texas	73,567	86,059	101,816	32,681	40,886	199,288	24,772
Utah	21,771	16,515	19,299	9,010	12,761	58,177	12,265
Vermont	1,117	1,455	1,314	541	576	3,754	393
Virginia	31,591	39,279	36,803	14,368	17,223	83,512	7,966
Washington	23,101	19,700	25,568	9,280	13,821	71,818	14,167
West Virginia	9,554	10,824	10,860	4,215	5,340	24,975	2,485
Wisconsin	44,551	53,140	56,516	19,769	24,782	126,685	16,428
Wyoming	3,395	3,753	4,077	1,493	1,902	11,942	2,262
Total	1,597,722	1,839,933	1,890,061	707,013	890,710	4,612,455	588,560

See footnotes at end of table.

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

(million cubic feet) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	2,031	934	671	694	702	743	1,085
Alaska	2,306	1,422	1,033	527	493	583	876
Arizona	3,107	1,334	1,072	971	1,056	1,303	1,805
Arkansas	2,155	731	546	514	557	622	887
California	44,802	19,412	17,188	17,560	19,107	21,080	27,607
Colorado	16,679	5,976	3,036	2,476	2,725	2,449	7,471
Connecticut	3,952	2,158	975	997	1,120	1,368	2,172
Delaware	720	378	157	166	163	181	270
District of Columbia	911	520	253	240	242	235	418
Florida	1,216	1,081	632	634	833	868	934
Georgia	10,248	5,873	3,794	3,731	3,662	3,676	4,351
Hawaii	44	44	41	43	45	46	46
Idaho	3,624	995	638	359	464	510	881
Illinois	35,960	18,056	8,021	7,946	7,939	9,399	13,191
Indiana	11,746	5,799	2,432	2,242	2,234	2,321	3,734
Iowa	5,686	2,268	1,260	1,036	1,171	1,373	2,144
Kansas	NA	1,701	1,075	1,061	1,147	1,381	1,625
Kentucky	3,977	1,565	845	849	858	858	1,294
Louisiana	2,380	1,531	1,354	1,202	1,292	1,286	1,456
Maine	232	136	46	45	46	69	90
Maryland	6,137	3,820	1,518	1,557	1,624	1,755	2,212
Massachusetts	9,387	5,784	2,465	2,442	2,619	3,302	4,328
Michigan	29,138	16,846	6,164	6,026	5,722	6,783	10,815
Minnesota	10,741	5,207	2,362	2,587	2,322	2,467	4,010
Mississippi	NA	796	512	428	466	520	625
Missouri	8,236	3,351	1,770	1,873	1,763	1,941	2,703
Montana	2,634	1,042	494	377	381	401	902
Nebraska	2,858	1,053	667	684	790	939	1,302
Nevada	4,172	1,440	1,215	1,176	1,108	1,467	1,854
New Hampshire	657	242	148	147	146	179	236
New Jersey	16,149	9,214	4,498	4,422	5,478	6,226	8,987
New Mexico	3,863	1,282	854	864	830	1,255	1,615
New York	33,321	20,336	10,033	9,977	10,159	12,853	19,344
North Carolina	6,342	2,814	1,121	NA	1,090	1,195	1,407
North Dakota	1,069	513	200	147	170	208	452
Ohio	22,384	12,359	4,741	4,792	5,084	6,174	10,373
Oklahoma	2,614	1,308	1,169	1,095	1,271	1,637	2,233
Oregon	5,854	1,804	1,217	841	860	986	1,734
Pennsylvania	18,582	11,789	4,892	4,143	4,230	5,696	7,776
Rhode Island	1,591	1,038	385	397	430	484	565
South Carolina	2,345	1,020	542	521	496	490	679
South Dakota	1,162	473	226	221	188	275	503
Tennessee	4,847	1,982	1,163	1,028	1,032	1,204	1,606
Texas	9,793	5,934	5,116	4,587	6,189	6,053	6,545
Utah	8,290	2,002	1,320	1,545	1,623	1,945	3,109
Vermont	288	164	79	73	87	105	152
Virginia	6,309	3,395	1,913	1,442	1,491	1,612	2,176
Washington	9,599	4,019	2,519	1,649	1,651	1,963	3,292
West Virginia	2,132	1,242	387	339	244	419	672
Wisconsin	11,070	6,080	2,498	2,308	2,475	2,478	4,546
Wyoming	1,468	415	313	205	250	408	746
Total	399,624	200,678	107,571	102,264	108,125	123,772	179,835

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		
	April	March	February	January	Total	December	November
Alabama	1,655	3,769	8,328	7,770	38,971	5,368	4,453
Alaska	1,464	2,162	2,201	2,730	17,734	2,218	2,070
Arizona	2,172	3,174	4,239	7,372	32,397	4,891	2,482
Arkansas	1,547	4,560	7,208	7,542	38,127	5,978	2,698
California	29,895	32,436	41,279	60,772	397,489	57,876	34,011
Colorado	8,785	13,293	16,989	22,325	132,106	20,604	18,632
Connecticut	4,902	8,998	10,572	9,760	51,193	6,846	4,670
Delaware	703	1,936	2,363	2,486	11,316	1,644	949
District of Columbia	794	1,876	2,646	2,902	14,242	2,117	1,671
Florida	809	1,378	2,468	2,484	16,652	2,227	1,853
Georgia	5,576	12,217	26,419	26,033	134,438	18,318	17,286
Hawaii	54	51	52	60	583	50	44
Idaho	1,699	2,156	2,643	4,253	24,616	3,981	3,737
Illinois	26,656	54,110	85,209	82,214	479,465	62,983	57,400
Indiana	8,689	18,660	29,806	29,334	156,639	22,394	19,910
Iowa	4,045	7,892	13,338	12,897	76,574	10,609	8,650
Kansas	2,366	5,689	11,205	13,227	71,126	11,330	8,025
Kentucky	2,629	6,753	11,475	11,025	57,589	8,517	6,898
Louisiana	1,883	4,332	7,561	8,547	44,392	5,689	3,814
Maine	264	382	499	497	2,357	350	249
Maryland	4,897	12,763	18,839	18,228	90,542	13,257	9,749
Massachusetts	10,039	20,811	26,022	25,709	126,902	16,894	11,289
Michigan	22,053	43,573	70,188	65,972	354,713	46,254	44,020
Minnesota	8,284	15,206	24,093	23,773	146,647	20,929	17,807
Mississippi	1,012	2,920	4,686	5,517	28,358	3,742	2,820
Missouri	6,658	17,071	22,239	21,331	115,512	16,552	12,508
Montana	1,442	1,943	2,602	3,294	21,379	3,267	2,919
Nebraska	2,053	4,090	6,842	7,055	42,147	6,587	4,644
Nevada	2,340	3,347	4,240	6,969	35,135	5,459	3,016
New Hampshire	576	1,157	1,609	1,635	7,755	1,072	795
New Jersey	21,253	41,222	50,521	47,032	247,742	32,458	24,417
New Mexico	1,983	3,535	5,153	6,422	32,370	5,532	3,444
New York	38,003	73,498	92,231	87,616	458,313	62,632	45,075
North Carolina	2,895	7,595	17,852	15,899	75,178	12,540	9,724
North Dakota	729	1,293	2,081	2,031	12,505	1,749	1,660
Ohio	22,570	48,388	62,058	59,608	320,568	45,059	31,696
Oklahoma	4,445	11,916	12,397	12,592	69,050	9,210	3,198
Oregon	3,318	3,608	4,252	6,366	41,185	6,418	5,703
Pennsylvania	19,206	38,715	52,881	49,212	254,816	37,330	25,074
Rhode Island	1,386	3,206	4,039	4,097	19,724	2,662	2,030
South Carolina	1,130	3,144	6,979	6,844	31,862	5,112	4,219
South Dakota	775	1,345	2,140	2,334	14,213	2,197	1,724
Tennessee	3,169	9,156	18,173	16,826	78,385	12,368	8,371
Texas	10,724	33,516	35,341	50,718	234,520	31,730	14,635
Utah	4,485	5,078	6,406	10,109	62,458	9,648	8,191
Vermont	359	598	745	710	3,826	507	349
Virginia	4,642	13,287	20,387	18,892	92,817	14,540	9,971
Washington	5,830	7,431	8,054	11,645	78,750	11,782	11,480
West Virginia	1,640	4,590	5,673	5,151	28,257	3,929	3,249
Wisconsin	9,467	16,194	27,467	25,672	150,409	19,411	18,409
Wyoming	919	1,204	1,590	2,163	13,269	2,069	1,831
Total	324,869	637,224	904,281	935,653	5,087,314	716,885	543,521

See footnotes at end of table.

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

(million cubic feet) – continued

State							2014
	October	September	August	July	June	May	April
Alabama	1,123	715	748	763	803	1,344	2,190
Alaska	1,768	875	538	545	678	800	1,427
Arizona	1,384	1,123	1,025	1,096	1,275	1,750	2,373
Arkansas	921	719	684	648	808	1,265	2,463
California	21,140	18,456	18,834	20,299	21,690	25,224	30,716
Colorado	6,921	3,533	2,195	3,220	3,526	6,319	9,485
Connecticut	1,776	1,046	974	1,036	1,311	2,325	4,620
Delaware	292	158	161	137	196	496	825
District of Columbia	550	262	258	249	293	446	893
Florida	965	641	729	709	593	917	1,166
Georgia	5,531	3,576	3,539	3,536	3,616	4,457	7,142
Hawaii	43	43	44	48	48	49	53
Idaho	1,334	628	541	552	617	870	1,787
Illinois	22,380	10,591	8,238	8,857	9,640	16,225	30,870
Indiana	7,619	2,925	2,417	2,243	1,996	4,250	7,911
Iowa	3,224	1,510	1,098	1,192	1,447	2,853	5,244
Kansas	2,269	1,274	1,127	1,190	1,285	2,055	4,506
Kentucky	1,856	970	806	779	904	1,563	3,189
Louisiana	1,686	1,355	1,290	1,223	1,259	1,967	2,568
Maine	105	54	41	41	55	112	206
Maryland	3,078	1,788	1,502	1,599	1,724	3,588	5,748
Massachusetts	4,933	2,927	2,411	2,618	2,815	6,548	12,741
Michigan	19,597	8,409	5,627	6,334	6,373	11,987	23,659
Minnesota	7,186	2,982	2,329	2,068	2,241	5,522	10,881
Mississippi	990	560	591	608	629	880	1,829
Missouri	3,865	2,106	1,729	1,891	2,007	3,221	8,183
Montana	1,104	618	362	360	544	921	1,642
Nebraska	1,447	811	730	791	938	1,713	2,959
Nevada	1,556	1,206	1,168	1,257	1,438	1,824	2,585
New Hampshire	338	172	138	142	217	454	535
New Jersey	8,303	5,091	4,865	5,388	6,079	9,581	18,446
New Mexico	1,275	835	908	935	1,043	1,507	2,292
New York	16,260	11,117	9,683	10,686	12,363	26,165	38,643
North Carolina	2,037	1,133	973	1,120	934	1,320	3,272
North Dakota	625	273	181	183	248	506	1,007
Ohio	13,581	6,185	4,860	5,156	6,255	10,181	19,967
Oklahoma	1,361	1,161	1,150	1,243	1,540	2,558	6,476
Oregon	1,779	970	894	979	1,213	1,459	3,197
Pennsylvania	9,532	4,770	4,251	4,150	5,014	8,707	17,444
Rhode Island	499	473	395	427	583	667	2,332
South Carolina	835	489	476	453	471	675	1,578
South Dakota	718	330	220	193	286	545	1,001
Tennessee	2,308	1,239	1,162	1,152	1,190	1,868	4,088
Texas	6,881	5,951	5,661	6,188	6,977	8,855	15,627
Utah	3,046	1,602	1,298	1,746	2,241	3,941	4,143
Vermont	158	96	79	82	96	175	354
Virginia	2,843	1,623	1,533	1,488	1,698	2,489	5,389
Washington	3,689	2,089	1,722	1,916	2,360	3,390	5,843
West Virginia	1,147	517	360	360	466	913	1,972
Wisconsin	7,477	3,365	2,397	2,642	3,251	5,305	11,561
Wyoming	737	386	241	262	314	699	1,101
Total	212,073	121,731	105,183	112,781	125,592	203,450	356,134

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014		
	March	February	January
Alabama	4,607	6,516	10,340
Alaska	2,201	2,443	2,169
Arizona	3,162	4,853	6,983
Arkansas	5,222	7,527	9,194
California	38,959	49,235	61,049
Colorado	15,296	19,396	22,977
Connecticut	8,035	8,875	9,677
Delaware	1,858	2,138	2,463
District of Columbia	2,087	2,508	2,908
Florida	1,920	1,874	3,057
Georgia	15,227	19,411	32,798
Hawaii	50	53	57
Idaho	2,643	3,469	4,456
Illinois	66,611	84,515	101,155
Indiana	22,950	27,362	34,662
Iowa	10,692	13,717	16,339
Kansas	9,659	13,170	15,234
Kentucky	7,890	10,590	13,626
Louisiana	5,466	7,336	10,738
Maine	363	361	421
Maryland	13,669	15,335	19,505
Massachusetts	19,893	19,678	24,156
Michigan	51,772	58,850	71,831
Minnesota	19,467	25,539	29,694
Mississippi	3,761	5,308	6,640
Missouri	16,125	21,410	25,916
Montana	2,700	3,633	3,307
Nebraska	5,589	7,612	8,326
Nevada	3,533	5,205	6,886
New Hampshire	1,207	1,210	1,476
New Jersey	38,911	44,067	50,138
New Mexico	3,519	4,763	6,316
New York	70,836	74,901	79,952
North Carolina	11,130	11,969	19,026
North Dakota	1,662	2,152	2,260
Ohio	48,571	58,508	70,548
Oklahoma	11,579	14,744	14,830
Oregon	4,412	6,749	7,412
Pennsylvania	39,581	45,671	53,292
Rhode Island	2,946	3,047	3,664
South Carolina	4,481	4,988	8,085
South Dakota	1,862	2,414	2,722
Tennessee	10,221	14,671	19,747
Texas	30,199	45,335	56,481
Utah	7,302	7,635	11,664
Vermont	617	608	706
Virginia	14,439	16,176	20,627
Washington	8,911	12,665	12,903
West Virginia	4,484	4,950	5,909
Wisconsin	20,074	25,727	30,789
Wyoming	1,552	2,032	2,045
Total	699,902	852,905	1,037,156

^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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	7,816	8,940	8,593	3,179	4,637	24,519	2,366
Alaska	4,295	4,638	4,305	1,889	2,407	19,281	2,558
Arizona	7,912	7,062	7,150	3,426	4,486	30,537	4,130
Arkansas	13,058	13,954	14,393	6,010	7,048	46,160	4,724
California	47,929	45,128	49,672	21,340	26,589	238,477	29,820
Colorado	16,506	16,446	18,007	7,255	9,251	NA	9,397
Connecticut	14,435	16,564	14,992	7,033	7,402	53,378	5,038
Delaware	3,661	3,938	3,824	1,658	2,003	11,189	1,177
District of Columbia	4,933	5,252	5,130	2,405	2,528	15,793	1,487
Florida	13,444	13,082	12,214	6,427	7,017	NA	5,660
Georgia	18,267	20,160	19,660	7,942	10,325	53,581	5,185
Hawaii	315	336	339	155	159	1,908	167
Idaho	4,857	4,309	4,924	2,076	2,781	16,171	2,719
Illinois	66,454	77,258	83,797	30,543	35,911	NA	24,179
Indiana	26,049	30,909	33,112	11,554	14,495	78,491	8,381
Iowa	15,812	17,398	19,708	7,041	8,771	NA	6,246
Kansas	10,160	10,668	11,804	4,247	5,913	NA	4,161
Kentucky	12,195	14,173	14,838	5,481	6,714	34,308	3,570
Louisiana	7,519	8,178	7,817	3,041	4,478	30,656	2,970
Maine	2,565	3,189	2,716	1,199	1,367	9,795	961
Maryland	20,824	23,274	22,377	9,460	11,365	69,307	6,571
Massachusetts	31,137	36,589	31,173	13,347	17,790	105,809	10,044
Michigan	51,142	63,796	63,198	24,816	26,326	172,156	18,235
Minnesota	31,070	34,689	37,520	14,811	16,259	93,865	12,550
Mississippi	5,712	6,191	6,981	2,539	3,173	NA	1,725
Missouri	20,016	23,634	26,203	8,878	11,138	65,595	7,823
Montana	5,678	5,854	6,581	2,434	3,244	NA	3,107
Nebraska	8,782	9,590	10,261	3,749	5,033	28,474	3,974
Nevada	7,671	6,669	7,130	3,370	4,301	29,614	4,015
New Hampshire	2,904	3,806	3,062	1,320	1,584	9,327	1,017
New Jersey	44,046	56,640	57,669	20,511	23,535	NA	13,623
New Mexico	7,031	7,243	6,438	3,120	3,911	26,262	4,321
New York	87,398	103,020	91,500	40,286	47,112	309,481	28,536
North Carolina	18,362	20,022	18,094	8,034	10,328	NA	NA
North Dakota	3,790	4,500	4,603	1,649	2,141	12,334	1,808
Ohio	53,147	67,157	67,766	23,431	29,716	169,515	16,455
Oklahoma	NA	14,535	16,590	NA	6,177	42,383	4,093
Oregon	7,513	6,737	8,809	3,194	4,319	26,502	4,307
Pennsylvania	49,934	58,889	54,994	22,317	27,618	156,887	15,188
Rhode Island	3,779	4,817	4,331	1,770	2,008	11,734	1,106
South Carolina	6,899	7,350	6,861	3,003	3,896	23,947	1,907
South Dakota	3,371	3,726	4,055	1,376	1,995	10,497	1,564
Tennessee	17,849	21,090	19,881	7,613	10,237	53,995	5,273
Texas	42,638	48,623	51,687	19,794	22,844	173,302	17,584
Utah	12,408	9,491	11,211	5,319	7,089	35,552	6,881
Vermont	1,614	1,708	1,279	714	899	5,949	586
Virginia	20,815	24,283	22,248	9,235	11,580	67,597	6,065
Washington	13,794	12,087	15,286	5,823	7,971	49,906	8,090
West Virginia	6,663	7,401	7,372	3,015	3,648	22,584	2,034
Wisconsin	28,508	33,420	36,294	13,091	15,417	90,195	10,352
Wyoming	3,119	3,574	3,498	1,375	1,744	12,498	2,273
Total	929,637	1,051,987	1,061,947	420,958	508,679	3,205,891	350,577

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016
(million cubic feet) – continued

State	2015						
	November	October	September	August	July	June	May
Alabama	2,317	1,513	1,174	1,131	1,088	1,095	1,383
Alaska	2,103	1,451	1,253	766	713	618	1,204
Arizona	3,014	1,918	1,714	1,654	1,758	1,878	2,204
Arkansas	3,863	3,048	2,571	2,444	2,308	2,327	2,578
California	26,389	16,321	15,250	16,537	15,962	16,329	19,348
Colorado	6,789	2,859	1,694	1,456	1,568	NA	3,790
Connecticut	4,122	3,155	2,577	2,512	2,379	2,295	2,676
Delaware	1,065	812	432	409	375	410	403
District of Columbia	1,443	1,135	736	711	657	757	669
Florida	5,214	5,003	4,441	4,651	4,734	NA	4,827
Georgia	4,695	3,159	2,417	2,274	2,164	2,091	2,619
Hawaii	148	152	153	156	159	154	151
Idaho	2,068	1,066	694	583	625	662	822
Illinois	NA	12,312	7,821	7,573	7,162	7,196	9,077
Indiana	6,409	4,720	2,784	2,749	2,324	2,324	2,744
Iowa	NA	3,156	1,716	1,468	1,567	1,770	2,088
Kansas	2,731	1,755	1,164	NA	1,492	1,128	1,335
Kentucky	2,925	1,709	1,154	1,152	1,139	1,075	1,336
Louisiana	2,789	2,286	2,214	1,902	1,804	1,903	1,938
Maine	779	569	415	425	409	393	371
Maryland	5,844	4,663	2,932	2,967	2,900	2,812	2,982
Massachusetts	9,210	7,399	4,066	3,873	3,912	4,050	4,432
Michigan	13,375	9,388	5,306	5,500	5,155	5,553	7,509
Minnesota	8,381	5,206	2,786	2,910	2,540	2,633	4,006
Mississippi	NA	1,277	NA	1,024	785	865	973
Missouri	5,631	3,585	2,254	2,299	2,021	1,960	2,526
Montana	2,508	1,158	689	584	597	579	981
Nebraska	2,619	1,558	932	1,010	1,223	1,239	1,412
Nevada	3,091	1,970	1,662	1,709	1,598	1,807	2,079
New Hampshire	823	377	232	226	221	265	298
New Jersey	11,186	NA	NA	8,431	7,486	6,652	NA
New Mexico	3,294	1,689	1,106	1,121	1,029	1,262	1,423
New York	24,042	18,646	13,736	14,539	14,178	12,774	16,052
North Carolina	5,548	4,282	3,004	NA	2,535	2,945	2,524
North Dakota	1,214	667	321	294	308	313	581
Ohio	12,881	9,220	4,535	4,790	4,753	5,281	6,787
Oklahoma	2,339	1,638	1,509	1,502	1,553	1,828	2,162
Oregon	3,444	1,552	1,217	948	968	1,008	1,594
Pennsylvania	13,175	10,093	5,319	4,751	4,493	5,524	5,902
Rhode Island	1,007	624	244	249	258	301	378
South Carolina	2,136	1,827	1,380	1,399	1,324	1,307	1,526
South Dakota	1,127	571	315	314	304	323	496
Tennessee	4,707	3,080	2,259	2,125	2,060	2,169	2,493
Texas	12,553	10,313	9,558	9,295	10,630	10,517	10,175
Utah	4,732	1,474	1,170	1,157	1,168	1,371	2,144
Vermont	557	522	336	318	342	325	205
Virginia	6,019	4,647	3,658	2,587	2,656	2,585	2,751
Washington	5,744	3,462	2,709	1,902	1,996	2,287	2,727
West Virginia	1,923	1,547	1,107	876	981	796	1,104
Wisconsin	7,776	4,985	2,867	2,964	2,782	2,842	3,795
Wyoming	1,585	537	478	283	401	438	872
Total	280,282	192,966	138,118	135,811	133,543	135,416	161,765

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		
	April	March	February	January	Total	December	November
Alabama	1,413	2,099	4,589	4,350	27,515	3,123	3,443
Alaska	1,626	2,351	2,070	2,567	17,925	2,307	1,932
Arizona	2,422	2,785	3,082	3,979	30,456	3,589	2,749
Arkansas	3,109	5,233	6,849	7,105	50,673	5,942	4,261
California	18,286	19,108	19,822	25,306	237,675	25,591	21,710
Colorado	3,978	5,603	7,257	9,189	58,008	8,844	7,587
Connecticut	4,556	7,504	8,479	8,085	51,221	6,252	4,719
Delaware	735	1,435	2,000	1,937	11,882	1,548	1,347
District of Columbia	932	2,015	2,444	2,809	17,498	2,242	1,747
Florida	5,078	5,705	6,418	6,664	62,646	5,995	5,682
Georgia	3,367	5,451	10,075	10,084	59,039	7,598	7,293
Hawaii	168	165	157	179	1,931	165	150
Idaho	1,194	1,428	1,711	2,598	16,963	2,472	2,107
Illinois	14,774	26,946	38,920	38,338	246,273	29,259	27,746
Indiana	5,128	10,020	15,495	15,414	90,915	11,472	10,520
Iowa	3,099	5,590	8,934	8,464	57,438	7,117	7,303
Kansas	1,487	2,693	4,960	5,707	36,512	4,981	4,168
Kentucky	1,924	4,151	7,227	6,946	40,033	5,419	4,509
Louisiana	2,072	2,601	3,807	4,371	31,209	3,300	3,301
Maine	943	1,341	1,590	1,599	9,030	1,144	930
Maryland	4,904	9,459	11,694	11,580	74,843	9,099	7,736
Massachusetts	7,706	14,526	18,246	18,342	105,801	12,458	11,187
Michigan	13,801	24,537	32,477	31,320	186,413	23,128	19,200
Minnesota	6,661	11,504	18,066	16,623	110,905	15,202	12,708
Mississippi	1,107	2,102	2,944	3,247	22,195	2,574	2,033
Missouri	4,609	9,255	12,336	11,297	72,919	9,199	7,349
Montana	NA	2,062	2,597	3,257	21,549	3,145	2,849
Nebraska	1,892	3,025	4,743	4,847	32,407	4,419	3,608
Nevada	2,393	2,622	2,881	3,788	29,105	3,459	2,598
New Hampshire	652	1,410	1,893	1,913	9,412	1,233	996
New Jersey	15,304	22,606	28,320	28,320	202,201	24,505	19,687
New Mexico	1,568	2,206	3,216	4,027	25,688	3,989	3,555
New York	22,945	41,014	51,726	51,294	320,168	37,830	31,373
North Carolina	3,558	NA	10,516	9,506	59,945	7,192	6,594
North Dakota	834	1,494	2,232	2,268	13,999	1,932	1,832
Ohio	13,080	24,578	33,875	33,282	183,105	23,759	17,953
Oklahoma	4,096	7,128	7,724	6,811	46,986	5,372	2,263
Oregon	2,270	2,457	2,859	3,878	28,377	4,047	3,343
Pennsylvania	11,865	21,688	30,468	28,422	159,636	21,355	17,723
Rhode Island	849	1,901	2,416	2,402	13,178	1,690	1,336
South Carolina	1,624	2,167	3,715	3,635	25,380	2,787	2,998
South Dakota	665	1,090	1,792	1,934	12,310	1,630	1,649
Tennessee	3,028	5,711	10,982	10,108	57,427	7,590	6,110
Texas	12,856	21,197	22,067	26,556	184,908	20,365	14,388
Utah	2,994	2,971	3,934	5,557	38,156	5,611	4,741
Vermont	372	678	814	894	4,830	666	479
Virginia	3,927	8,418	12,447	11,836	72,164	9,184	8,722
Washington	4,150	4,751	5,213	6,874	54,457	7,023	6,923
West Virginia	1,703	3,113	3,787	3,614	24,101	2,778	2,447
Wisconsin	6,582	11,829	16,785	16,635	107,003	13,482	12,402
Wyoming	923	1,135	1,752	1,822	12,188	1,732	1,581
Total	236,610	388,816	520,405	531,583	3,466,600	426,794	361,567

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014						
	October	September	August	July	June	May	April
Alabama	1,787	1,145	1,185	1,188	1,131	1,495	1,591
Alaska	1,662	1,081	758	667	829	902	1,451
Arizona	1,968	1,806	1,750	1,843	1,931	2,260	2,546
Arkansas	3,401	2,883	2,574	2,585	2,577	2,864	3,673
California	17,355	17,313	17,141	16,799	16,551	17,418	17,614
Colorado	3,118	1,862	1,361	1,767	1,937	2,932	4,234
Connecticut	2,785	2,246	2,204	2,158	2,221	2,589	4,206
Delaware	711	421	410	352	412	615	740
District of Columbia	1,007	745	752	703	744	877	1,224
Florida	4,843	4,587	4,409	4,537	4,568	4,741	5,323
Georgia	3,021	2,219	2,233	2,350	2,222	2,518	3,544
Hawaii	158	154	153	164	162	158	168
Idaho	1,038	777	660	627	661	766	1,216
Illinois	14,788	8,922	7,632	7,789	7,965	10,946	16,462
Indiana	5,183	3,216	2,449	2,514	2,360	3,368	5,827
Iowa	3,449	1,724	1,475	1,580	1,700	2,396	3,850
Kansas	2,072	1,509	1,408	1,378	1,189	1,447	2,298
Kentucky	1,968	1,343	1,121	1,078	1,081	1,392	2,223
Louisiana	2,227	1,844	1,845	1,727	1,706	2,141	2,109
Maine	492	314	264	335	357	466	715
Maryland	4,436	3,228	3,303	3,043	2,862	3,690	5,278
Massachusetts	6,331	4,179	3,790	3,600	3,456	6,139	9,986
Michigan	9,681	5,871	4,894	5,589	5,304	8,664	14,841
Minnesota	5,817	3,102	2,755	2,350	2,862	4,546	9,087
Mississippi	1,488	1,033	956	972	950	1,065	1,571
Missouri	3,835	2,556	2,268	2,267	2,190	2,733	5,112
Montana	1,154	793	580	542	671	959	1,562
Nebraska	1,773	1,222	1,166	1,161	1,101	1,557	2,280
Nevada	2,009	1,714	1,611	1,722	1,753	2,061	2,375
New Hampshire	481	260	224	215	292	582	658
New Jersey	11,427	9,818	9,136	9,596	9,819	12,207	14,060
New Mexico	1,651	1,060	1,224	1,200	1,118	1,324	1,702
New York	17,824	14,941	13,881	12,988	14,274	18,591	25,033
North Carolina	3,474	2,779	2,602	2,785	2,826	3,196	3,247
North Dakota	763	419	296	319	354	685	970
Ohio	9,491	5,640	4,697	4,799	5,269	6,482	10,918
Oklahoma	1,603	1,474	1,544	1,507	1,742	2,461	5,337
Oregon	1,538	1,083	1,066	956	1,201	1,237	2,177
Pennsylvania	8,889	5,044	4,753	4,492	4,759	5,684	9,996
Rhode Island	484	328	281	265	442	485	1,622
South Carolina	1,685	1,284	1,266	1,254	1,285	1,411	1,618
South Dakota	633	420	328	312	361	519	881
Tennessee	3,370	2,244	2,144	2,105	2,029	2,175	3,200
Texas	11,298	10,330	10,099	10,743	10,733	11,280	14,780
Utah	2,117	1,227	940	1,257	1,586	2,538	2,532
Vermont	300	239	223	218	199	259	393
Virginia	4,212	3,178	2,802	2,578	2,806	2,904	4,270
Washington	3,523	2,385	2,112	2,162	2,427	2,774	3,942
West Virginia	1,470	1,086	1,035	1,015	786	1,269	1,643
Wisconsin	5,795	3,398	2,979	3,117	3,333	4,324	7,965
Wyoming	789	477	389	349	365	670	1,001
Total	202,376	148,924	137,132	137,618	141,459	176,762	251,054

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2014-2016
(million cubic feet) – continued

State	2014		
	March	February	January
Alabama	2,832	3,314	5,279
Alaska	2,030	2,249	2,055
Arizona	2,866	3,234	3,915
Arkansas	5,521	6,637	7,755
California	20,512	23,504	26,168
Colorado	6,357	8,402	9,605
Connecticut	6,849	7,530	7,462
Delaware	1,502	1,696	2,128
District of Columbia	2,325	2,169	2,961
Florida	5,747	5,605	6,609
Georgia	6,379	7,644	12,016
Hawaii	159	161	177
Idaho	1,715	2,185	2,739
Illinois	30,968	38,151	45,646
Indiana	10,893	15,117	17,995
Iowa	7,134	9,232	10,477
Kansas	4,259	5,525	6,279
Kentucky	5,060	6,526	8,312
Louisiana	3,194	3,288	4,529
Maine	1,296	1,247	1,468
Maryland	9,792	10,237	12,140
Massachusetts	13,503	14,772	16,401
Michigan	26,042	30,115	33,083
Minnesota	14,955	18,239	19,281
Mississippi	2,572	3,174	3,807
Missouri	9,208	13,070	13,133
Montana	2,715	3,468	3,113
Nebraska	3,859	4,818	5,443
Nevada	2,674	3,169	3,961
New Hampshire	1,409	1,372	1,691
New Jersey	24,277	27,541	30,128
New Mexico	2,428	2,702	3,736
New York	41,932	43,304	48,196
North Carolina	7,155	7,128	10,966
North Dakota	1,826	2,258	2,345
Ohio	26,332	30,959	36,807
Oklahoma	7,093	8,370	8,220
Oregon	2,920	4,098	4,711
Pennsylvania	21,946	24,813	30,181
Rhode Island	1,914	1,967	2,364
South Carolina	2,929	2,782	4,079
South Dakota	1,521	1,916	2,139
Tennessee	6,577	8,313	11,569
Texas	19,205	24,160	27,526
Utah	4,397	4,485	6,726
Vermont	575	551	727
Virginia	9,259	9,723	12,526
Washington	5,900	7,396	7,891
West Virginia	3,199	3,585	3,787
Wisconsin	13,915	16,512	19,782
Wyoming	1,337	1,737	1,762
Total	420,968	490,152	571,795

^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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	35,322	34,045	33,242	16,519	18,803	186,213	15,670
Alaska	NA	891	697	NA	NA	4,545	393
Arizona	3,805	3,734	4,125	1,785	2,020	19,991	1,988
Arkansas	15,009	16,472	16,423	7,184	7,825	84,464	7,148
California	123,288	124,391	121,587	58,941	64,347	780,616	67,213
Colorado	16,811	16,939	16,947	7,704	9,107	78,174	8,931
Connecticut	5,382	5,777	6,619	2,565	2,817	25,943	2,222
Delaware	5,338	5,474	5,321	2,517	2,821	33,127	3,040
District of Columbia	0	0	0	0	0	0	0
Florida	18,249	17,372	17,796	8,746	9,502	96,970	8,933
Georgia	27,858	27,856	27,183	13,756	14,101	157,407	13,391
Hawaii	90	66	63	44	47	442	36
Idaho	6,982	5,172	5,230	3,335	3,647	31,705	3,403
Illinois	55,167	58,934	62,078	26,493	28,674	273,713	25,140
Indiana	71,139	75,347	72,336	34,155	36,985	373,191	33,462
Iowa	32,023	33,081	32,413	15,443	16,580	174,269	15,399
Kansas	20,585	20,712	21,446	9,114	11,471	NA	11,086
Kentucky	22,897	23,321	22,403	10,897	12,001	115,916	9,943
Louisiana	170,528	158,952	160,023	81,092	89,436	951,717	85,489
Maine	NA	NA	3,899	NA	NA	NA	NA
Maryland	2,716	2,913	2,687	1,411	1,305	14,635	1,302
Massachusetts	10,552	12,184	11,595	5,065	5,486	46,186	4,110
Michigan	37,971	40,801	42,847	18,519	19,453	NA	15,847
Minnesota	NA	32,031	32,179	NA	NA	NA	NA
Mississippi	20,897	21,347	18,380	10,099	10,798	122,183	10,524
Missouri	NA	14,061	14,372	NA	6,871	65,349	6,125
Montana	4,039	4,032	3,850	1,911	2,128	NA	2,173
Nebraska	13,222	15,040	15,073	6,256	6,966	82,326	6,885
Nevada	2,650	2,454	2,263	1,253	1,397	NA	1,200
New Hampshire	NA	1,682	1,698	NA	856	NA	NA
New Jersey	11,137	12,005	11,538	4,901	6,236	55,912	4,249
New Mexico	3,191	3,105	3,565	1,461	1,730	17,961	1,575
New York	16,437	18,699	18,793	8,294	8,144	82,581	6,662
North Carolina	20,595	19,784	19,882	10,075	10,520	105,096	9,049
North Dakota	4,930	5,303	5,106	2,227	2,703	30,958	2,324
Ohio	58,324	62,993	62,397	27,882	30,442	279,963	23,708
Oklahoma	NA	35,181	33,348	NA	16,775	187,080	16,204
Oregon	10,360	9,984	10,675	4,856	5,503	54,931	5,261
Pennsylvania	47,206	47,113	44,164	23,498	23,708	239,608	20,699
Rhode Island	1,529	1,572	1,499	799	730	8,751	750
South Carolina	14,994	13,617	13,573	7,191	7,803	84,172	7,873
South Dakota	7,977	8,074	8,237	3,866	4,111	44,683	3,907
Tennessee	23,312	22,766	22,373	11,147	12,165	114,351	9,813
Texas	277,475	259,246	264,872	132,333	145,142	1,567,917	141,897
Utah	7,242	7,154	7,558	3,634	3,608	37,639	3,612
Vermont	424	392	350	204	220	2,040	188
Virginia	NA	14,502	14,285	7,756	NA	NA	7,259
Washington	NA	13,690	14,656	6,785	NA	NA	NA
West Virginia	5,585	5,164	5,341	2,743	2,842	NA	NA
Wisconsin	30,145	31,185	32,452	14,197	15,948	136,264	12,859
Wyoming	9,408	8,206	8,359	4,588	4,820	48,301	4,575
Total	1,390,557	1,378,176	1,377,797	668,144	722,412	7,508,546	669,085

See footnotes at end of table.

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

(million cubic feet) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	15,100	15,292	14,897	15,311	15,749	14,619	15,463
Alaska	354	348	323	375	359	352	371
Arizona	1,844	1,572	1,417	1,457	1,468	1,481	1,611
Arkansas	7,098	6,790	6,286	6,370	6,345	6,360	6,728
California	63,799	64,699	66,196	71,776	70,121	62,828	63,828
Colorado	7,640	5,823	4,790	4,987	4,997	4,879	5,981
Connecticut	2,035	1,916	1,734	1,826	1,758	1,755	1,839
Delaware	2,682	2,590	2,448	2,636	2,669	2,561	2,819
District of Columbia	0	0	0	0	0	0	0
Florida	7,774	7,997	7,385	7,362	7,672	7,639	8,135
Georgia	13,291	13,714	12,244	12,710	12,955	12,707	13,065
Hawaii	36	43	37	41	38	44	31
Idaho ^a	3,315	3,032	2,564	2,415	2,094	2,362	2,601
Illinois	24,322	21,016	19,312	19,033	19,474	18,951	20,434
Indiana	29,980	28,848	26,713	28,167	28,293	27,563	29,642
Iowa	14,751	14,826	13,086	13,635	13,445	13,279	14,066
Kansas	8,919	8,738	7,725	9,693	11,127	7,423	NA
Kentucky	9,759	8,840	8,464	8,791	8,478	8,564	8,722
Louisiana	81,870	79,787	78,022	80,789	77,300	75,845	80,180
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	1,266	1,242	1,131	906	1,118	1,159	1,131
Massachusetts	4,108	3,055	2,507	2,286	2,219	2,207	3,139
Michigan	14,366	13,570	11,698	11,437	11,349	10,889	NA
Minnesota	13,605	13,280	11,305	10,272	10,321	10,666	11,077
Mississippi	10,334	11,304	9,911	9,838	9,730	9,907	9,655
Missouri	5,585	4,939	4,527	4,376	4,716	4,605	4,632
Montana	2,004	1,873	1,709	NA	1,438	1,550	1,667
Nebraska	7,553	7,056	6,257	6,832	7,440	6,209	6,534
Nevada	1,233	1,182	NA	NA	1,165	NA	NA
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	4,616	4,331	4,115	3,952	4,256	4,209	4,192
New Mexico	1,616	1,479	1,348	1,437	1,382	1,232	1,553
New York	6,620	6,203	5,562	5,770	5,249	5,333	5,738
North Carolina	8,911	9,044	7,974	8,154	7,854	7,793	8,131
North Dakota	2,885	2,883	2,646	2,463	1,954	2,397	2,773
Ohio	22,796	20,416	18,786	19,354	19,742	19,691	20,724
Oklahoma	16,551	14,917	15,155	13,036	12,322	14,494	16,520
Oregon	4,834	4,375	4,085	4,163	4,016	4,195	4,411
Pennsylvania	19,211	18,923	17,224	17,360	17,977	18,005	19,139
Rhode Island	704	683	694	681	658	673	709
South Carolina	7,342	7,238	6,616	6,718	6,642	6,645	6,835
South Dakota	3,849	3,452	3,469	3,566	3,541	3,613	3,582
Tennessee	9,248	9,162	8,683	8,743	8,573	8,785	8,590
Texas	134,340	128,958	125,076	132,785	130,522	126,896	131,658
Utah	3,120	2,969	2,757	2,788	2,777	3,031	3,111
Vermont	178	188	150	153	156	137	134
Virginia	7,582	7,701	6,116	7,435	7,530	7,395	7,724
Washington	NA	6,680	5,921	5,625	5,477	5,770	6,016
West Virginia	2,014	1,849	1,677	1,834	1,746	1,903	1,862
Wisconsin	12,289	10,742	9,103	9,124	8,824	8,810	9,348
Wyoming	4,262	3,963	3,720	3,844	3,906	3,897	3,750
Total	636,538	611,555	576,712	597,340	590,889	574,422	601,226

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		
	April	March	February	January	Total	December	November
Alabama	14,146	15,920	16,256	17,790	187,661	16,659	16,447
Alaska	363	416	425	465	4,847	494	458
Arizona	1,626	1,793	1,661	2,073	22,489	2,349	1,980
Arkansas	7,046	7,820	8,105	8,367	88,797	8,029	8,537
California	63,395	62,368	57,625	66,766	788,817	67,425	63,073
Colorado	6,064	7,143	8,041	8,899	78,323	8,641	7,615
Connecticut	2,108	2,973	2,762	3,015	28,371	2,571	2,289
Delaware	3,037	3,171	2,494	2,980	31,004	3,094	2,769
District of Columbia	0	0	0	0	0	0	0
Florida	8,065	8,637	8,491	8,882	94,479	8,544	7,764
Georgia	11,975	13,498	13,137	14,719	160,821	14,258	14,302
Hawaii	32	37	28	38	401	36	33
Idaho ^a	2,325	2,422	2,561	2,610	28,046	2,543	2,392
Illinois	21,555	25,544	28,775	30,159	294,220	29,281	26,950
Indiana	29,102	36,074	37,381	37,967	375,647	35,288	34,095
Iowa	13,551	15,150	16,156	16,925	172,718	15,978	16,497
Kansas	NA	NA	9,907	10,806	118,221	10,394	10,613
Kentucky	9,643	11,391	11,368	11,953	116,582	10,596	10,829
Louisiana	76,374	77,107	75,038	83,914	960,033	82,338	81,262
Maine	NA	NA	NA	NA	24,121	1,683	1,728
Maryland	1,126	1,340	1,342	1,571	14,734	1,433	1,516
Massachusetts	4,371	6,000	6,379	5,805	45,581	4,841	3,918
Michigan	15,668	18,046	19,500	21,301	180,829	17,869	15,580
Minnesota	13,289	NA	15,293	16,738	173,556	18,610	16,404
Mississippi	9,630	10,002	10,341	11,006	117,908	10,741	10,530
Missouri	5,088	6,697	7,017	7,044	67,115	6,596	6,185
Montana	1,666	1,787	1,857	2,176	22,084	2,291	2,198
Nebraska	6,370	6,148	7,417	7,624	86,878	7,637	8,652
Nevada	NA	NA	1,125	1,329	14,324	1,393	1,358
New Hampshire	NA	NA	836	847	8,456	826	741
New Jersey	4,630	5,358	5,607	6,398	61,494	5,087	5,914
New Mexico	1,601	1,633	1,526	1,579	18,975	1,789	1,696
New York	7,291	9,455	9,373	9,325	84,255	8,066	6,942
North Carolina	8,545	9,856	9,374	10,410	107,904	9,794	9,441
North Dakota	2,455	2,875	2,627	2,676	27,762	2,202	1,998
Ohio	23,130	28,622	31,244	31,749	303,366	27,609	24,717
Oklahoma	17,147	15,554	17,971	17,210	183,929	15,663	14,132
Oregon	4,787	4,820	4,649	5,335	56,522	5,135	4,993
Pennsylvania	19,938	24,019	23,491	23,622	237,013	22,738	21,493
Rhode Island	858	769	836	737	8,008	727	660
South Carolina	7,063	7,584	6,068	7,548	83,330	7,532	7,321
South Dakota	3,791	3,838	4,001	4,073	44,205	4,014	3,942
Tennessee	9,260	10,728	11,453	11,312	116,882	10,591	10,235
Texas	126,659	129,881	122,344	136,902	1,565,269	135,611	129,398
Utah	3,130	3,190	3,525	3,629	38,903	3,467	3,111
Vermont	158	207	176	217	1,858	185	174
Virginia	NA	6,672	6,875	7,627	81,040	7,033	7,063
Washington	6,352	6,678	6,361	7,329	79,439	7,382	7,192
West Virginia	2,230	2,654	2,651	2,513	27,796	2,416	2,419
Wisconsin	10,406	13,573	15,291	15,895	141,661	14,361	14,038
Wyoming	4,000	4,178	3,497	4,709	47,153	4,330	4,168
Total	609,510	663,093	661,789	716,387	7,623,826	688,166	657,761

See footnotes at end of table.

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

(million cubic feet) – continued

State							2014
	October	September	August	July	June	May	April
Alabama	15,823	14,995	14,709	14,433	14,638	15,234	15,238
Alaska	508	485	434	427	320	338	283
Arizona	1,761	1,634	1,684	1,675	1,611	1,812	1,879
Arkansas	7,495	6,721	6,743	6,720	6,521	6,770	6,995
California	66,331	69,753	74,044	71,666	63,954	65,214	62,483
Colorado	5,971	4,931	4,772	4,796	5,228	5,525	6,322
Connecticut	1,961	1,734	1,868	1,949	1,950	2,015	2,267
Delaware	2,668	2,582	2,473	2,269	2,140	2,477	2,340
District of Columbia	0	0	0	0	0	0	0
Florida	7,794	7,064	6,957	7,415	6,980	7,841	8,114
Georgia	13,586	12,587	12,454	12,884	12,516	13,152	13,276
Hawaii	32	34	42	34	30	31	29
Idaho ^a	2,345	2,082	1,913	2,050	2,333	2,452	2,318
Illinois	22,482	21,720	20,469	20,076	19,691	21,040	23,106
Indiana	29,428	28,825	28,546	27,762	27,543	28,569	30,003
Iowa	14,552	12,203	12,803	13,389	13,240	13,139	13,608
Kansas	8,183	8,052	10,232	10,631	8,573	9,815	9,738
Kentucky	9,720	8,654	8,674	8,729	8,710	8,846	8,944
Louisiana	79,353	74,373	79,443	79,361	77,414	80,163	81,868
Maine	1,768	1,950	1,902	2,329	1,948	2,332	2,145
Maryland	1,182	1,065	988	1,118	1,251	1,122	1,040
Massachusetts	2,838	2,326	2,591	2,054	2,625	3,173	4,098
Michigan	14,325	11,680	11,327	10,577	10,556	11,733	15,152
Minnesota	13,804	13,226	12,990	12,492	13,012	11,579	13,975
Mississippi	10,187	9,738	9,895	9,765	9,815	9,735	9,724
Missouri	5,043	4,605	4,569	4,573	4,412	4,848	5,350
Montana	1,962	1,637	1,486	1,565	1,600	1,817	1,678
Nebraska	7,581	7,105	6,786	7,145	6,523	6,736	6,431
Nevada	1,313	1,217	1,159	1,068	1,144	1,109	1,116
New Hampshire	628	626	563	564	648	655	743
New Jersey	4,781	4,593	4,544	5,000	4,625	4,760	4,614
New Mexico	1,460	1,312	1,424	1,435	1,433	1,520	1,570
New York	6,048	5,652	5,393	5,448	5,395	5,892	7,366
North Carolina	8,957	8,149	8,256	7,936	7,913	8,344	8,893
North Dakota	2,091	1,442	1,877	2,605	2,538	2,354	2,736
Ohio	23,090	22,786	22,950	22,888	22,033	21,392	24,434
Oklahoma	12,648	14,698	15,355	13,402	14,112	14,687	18,770
Oregon	4,655	4,163	4,107	3,998	4,387	4,492	4,752
Pennsylvania	17,768	16,950	16,936	18,036	17,806	18,532	20,145
Rhode Island	610	545	786	664	557	499	787
South Carolina	7,146	6,553	6,702	6,672	6,565	6,869	6,951
South Dakota	3,525	3,421	3,463	3,359	3,417	3,503	3,600
Tennessee	9,441	8,952	8,985	9,000	8,705	9,014	9,241
Texas	121,276	125,459	132,984	134,145	127,787	132,176	127,751
Utah	2,625	3,057	2,878	3,075	3,232	3,291	3,351
Vermont	154	137	131	129	132	138	141
Virginia	6,686	6,240	6,820	6,056	6,467	6,540	6,788
Washington	6,877	6,219	6,003	6,003	5,945	5,847	6,377
West Virginia	2,311	1,991	2,062	1,860	2,105	2,181	2,486
Wisconsin	11,240	9,617	8,761	8,528	8,348	9,177	11,065
Wyoming	4,153	3,661	3,712	3,409	3,576	3,726	3,900
Total	608,165	589,199	606,646	603,164	584,005	604,204	625,982

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014		
	March	February	January
Alabama	16,244	15,286	17,956
Alaska	403	336	361
Arizona	1,979	1,934	2,191
Arkansas	7,842	7,682	8,742
California	63,286	57,702	63,885
Colorado	7,575	8,062	8,885
Connecticut	3,147	3,120	3,499
Delaware	2,871	2,644	2,676
District of Columbia	0	0	0
Florida	8,211	8,059	9,737
Georgia	14,623	13,316	13,867
Hawaii	35	27	36
Idaho ^a	2,389	2,477	2,752
Illinois	27,329	28,611	33,466
Indiana	33,252	34,311	38,025
Iowa	14,896	15,140	17,273
Kansas	10,544	10,273	11,173
Kentucky	10,477	10,710	11,693
Louisiana	84,435	76,982	83,041
Maine	2,436	1,592	2,308
Maryland	1,332	1,354	1,333
Massachusetts	5,521	5,746	5,849
Michigan	19,186	20,923	21,924
Minnesota	15,285	13,887	18,292
Mississippi	9,399	8,976	9,404
Missouri	6,564	6,959	7,413
Montana	2,001	1,765	2,086
Nebraska	7,210	7,185	7,888
Nevada	1,187	1,054	1,209
New Hampshire	765	838	861
New Jersey	6,037	5,448	6,090
New Mexico	1,770	1,648	1,917
New York	9,260	9,286	9,507
North Carolina	10,339	9,703	10,179
North Dakota	2,811	2,444	2,662
Ohio	29,069	30,125	32,272
Oklahoma	17,115	16,758	16,590
Oregon	5,164	5,094	5,581
Pennsylvania	22,444	21,872	22,293
Rhode Island	673	782	717
South Carolina	7,447	6,762	6,811
South Dakota	3,725	4,079	4,158
Tennessee	10,346	10,749	11,624
Texas	133,811	125,803	139,069
Utah	3,257	3,756	3,801
Vermont	188	174	176
Virginia	7,062	6,908	7,376
Washington	6,937	7,061	7,595
West Virginia	2,625	2,548	2,793
Wisconsin	14,074	15,433	17,020
Wyoming	4,159	4,046	4,313
Total	678,737	657,428	720,369

^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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	63,336	67,116	49,522	29,307	34,029	397,961	33,249
Alaska	4,275	5,312	5,565	1,992	2,283	27,722	2,336
Arizona	27,877	20,000	21,259	12,584	15,294	249,477	17,515
Arkansas	14,428	22,107	11,920	5,839	8,589	108,755	6,754
California	108,813	108,496	136,710	47,924	60,889	816,787	63,111
Colorado	14,249	11,979	12,949	6,288	7,962	92,757	8,346
Connecticut	20,143	18,301	12,595	9,671	10,473	119,305	11,119
Delaware	4,467	4,631	4,051	2,335	2,132	44,725	2,190
District of Columbia	--	--	--	--	--	--	--
Florida	166,636	155,675	140,908	79,693	86,943	1,160,140	89,587
Georgia	54,199	55,211	35,966	25,621	28,578	354,090	25,887
Hawaii	--	--	--	--	--	--	--
Idaho	5,271	2,710	4,923	2,401	2,870	27,790	2,840
Illinois	17,083	11,572	6,353	8,872	8,211	83,570	7,753
Indiana	25,129	24,656	18,538	11,776	13,353	127,365	13,305
Iowa	3,242	2,663	1,198	1,542	1,700	17,518	1,623
Kansas	1,282	1,430	3,282	558	725	16,614	804
Kentucky	9,245	7,841	9,401	3,738	5,506	52,015	3,312
Louisiana	52,689	44,178	45,744	24,771	27,918	342,742	31,279
Maine	4,301	3,165	4,549	1,871	2,429	17,447	1,427
Maryland	3,644	2,502	1,941	2,318	1,326	39,632	2,457
Massachusetts	19,391	13,858	15,309	9,783	9,608	156,492	9,618
Michigan	34,679	28,888	23,610	17,683	16,995	174,770	16,664
Minnesota	10,827	5,915	4,593	5,321	5,506	54,054	5,725
Mississippi	60,560	57,062	39,398	29,722	30,838	331,496	25,574
Missouri	5,171	5,707	5,625	2,679	2,492	40,109	2,899
Montana	1,548	W	1,309	732	816	7,847	777
Nebraska	208	W	185	112	97	4,634	137
Nevada	32,189	26,034	21,416	14,466	17,722	207,145	18,135
New Hampshire	3,341	5,859	988	1,145	2,196	42,673	2,706
New Jersey	46,015	38,187	33,234	21,592	24,423	290,843	23,354
New Mexico	12,747	12,142	10,500	5,881	6,866	77,947	6,933
New York	65,522	64,824	66,639	30,569	34,953	475,658	31,355
North Carolina	48,089	42,067	26,562	24,806	23,283	268,925	22,474
North Dakota	789	W	--	407	382	3,671	W
Ohio	39,280	39,055	28,965	19,365	19,915	210,460	17,199
Oklahoma	37,796	41,402	40,882	16,047	21,749	254,706	23,024
Oregon	19,725	11,751	22,068	9,351	10,374	113,988	11,609
Pennsylvania	71,271	58,758	52,774	35,495	35,776	439,248	35,621
Rhode Island	4,975	3,872	4,393	2,533	2,443	50,110	3,081
South Carolina	17,315	14,267	11,568	7,772	9,544	135,239	11,601
South Dakota	1,160	1,012	371	625	535	7,083	656
Tennessee	12,691	11,667	7,958	6,331	6,360	69,830	6,156
Texas	229,850	244,101	202,527	105,622	124,228	1,646,330	123,103
Utah	8,807	7,437	8,511	4,079	4,727	55,797	5,002
Vermont	*	7	7	--	*	19	1
Virginia	45,885	35,314	26,935	22,761	23,125	243,116	22,839
Washington	17,248	7,254	17,454	7,407	9,841	97,300	9,481
West Virginia	455	696	1,780	236	219	13,277	522
Wisconsin	20,607	16,447	8,972	10,342	10,264	101,211	9,879
Wyoming	W	W	W	W	W	706	W
Total	1,468,532	1,364,821	1,211,998	692,006	776,525	9,671,095	771,355

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						
	November	October	September	August	July	June	May
Alabama	31,034	31,534	33,356	37,742	39,373	36,860	32,480
Alaska	2,164	2,096	1,863	2,116	2,365	2,311	1,781
Arizona	17,672	24,561	31,091	38,244	33,842	30,537	13,238
Arkansas	5,434	4,130	8,552	12,523	12,805	9,865	7,343
California	59,484	84,917	89,295	91,733	86,319	74,951	51,799
Colorado	9,658	8,172	9,582	10,114	9,620	8,089	5,015
Connecticut	9,814	10,291	10,504	12,188	11,619	9,406	8,748
Delaware	2,330	3,068	4,903	5,119	5,710	4,509	4,886
District of Columbia	--	--	--	--	--	--	--
Florida	91,782	100,028	105,993	113,372	111,305	105,902	101,485
Georgia	27,527	29,598	30,621	35,927	39,940	33,576	27,974
Hawaii	--	--	--	--	--	--	--
Idaho	2,240	2,500	2,930	3,645	3,230	3,481	2,082
Illinois	7,008	6,560	8,788	7,957	11,120	7,075	4,727
Indiana	11,439	8,711	7,942	10,138	10,486	9,343	9,238
Iowa	530	918	1,750	2,364	3,063	1,746	875
Kansas	W	W	1,662	2,353	3,425	1,970	1,189
Kentucky	5,312	6,074	4,867	4,798	6,310	3,656	3,415
Louisiana	29,353	29,252	27,504	33,927	36,977	33,989	27,800
Maine	1,813	2,483	1,538	1,839	1,132	573	745
Maryland	3,188	2,959	4,162	4,947	6,571	4,315	4,383
Massachusetts	8,375	13,391	16,586	23,001	22,583	14,822	15,056
Michigan	14,519	15,441	14,817	14,732	17,544	14,362	12,526
Minnesota	3,113	3,400	6,416	6,314	7,274	4,664	2,150
Mississippi	25,741	23,923	26,810	32,206	34,848	32,210	26,239
Missouri	2,409	1,850	3,641	5,682	6,523	4,316	1,856
Montana	666	714	770	803	918	705	482
Nebraska	160	W	505	890	1,257	686	201
Nevada	15,282	18,088	20,109	22,904	20,722	21,244	15,320
New Hampshire	3,795	3,375	3,922	4,622	4,211	3,618	3,865
New Jersey	24,504	24,677	29,675	29,355	30,618	24,861	24,474
New Mexico	5,581	6,330	6,895	8,798	8,114	6,787	4,441
New York	33,652	39,937	49,022	54,763	54,290	40,290	38,846
North Carolina	22,200	19,195	23,579	24,881	25,946	26,406	23,825
North Dakota	W	W	433	492	497	W	W
Ohio	15,918	13,838	17,928	19,618	20,417	18,226	15,180
Oklahoma	20,482	16,289	20,143	27,950	30,396	22,126	17,107
Oregon	11,382	10,746	11,754	11,616	12,013	10,573	8,295
Pennsylvania	36,071	38,145	39,738	47,480	47,934	38,101	31,222
Rhode Island	4,334	3,864	3,507	7,037	6,902	6,135	5,728
South Carolina	13,955	12,777	11,768	13,664	14,943	14,514	9,903
South Dakota	521	396	519	943	1,216	769	572
Tennessee	5,458	4,574	6,133	6,002	7,594	7,026	6,508
Texas	110,207	131,222	151,139	185,654	181,401	147,288	124,315
Utah	4,575	4,387	5,171	6,238	5,768	5,443	4,572
Vermont	1	*	1	*	*	1	6
Virginia	16,558	11,752	22,109	26,163	29,071	26,215	22,115
Washington	10,383	11,239	10,914	10,802	12,265	9,569	6,016
West Virginia	765	1,541	1,742	1,873	2,142	1,614	1,213
Wisconsin	7,700	7,455	9,104	8,982	11,015	8,205	7,133
Wyoming	W	W	W	W	W	W	W
Total	737,310	797,631	901,839	1,034,595	1,053,747	893,343	738,628

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		
	April	March	February	January	Total	December	November
Alabama	24,780	30,436	31,501	35,616	345,102	30,690	32,978
Alaska	2,907	2,470	2,367	2,945	30,444	2,655	2,557
Arizona	13,368	9,409	8,635	11,365	207,085	9,662	14,336
Arkansas	8,745	10,498	12,257	9,850	71,921	5,414	3,611
California	52,877	53,804	46,614	61,882	824,868	65,065	61,128
Colorado	5,970	6,214	5,508	6,471	98,269	8,872	9,279
Connecticut	8,839	8,474	7,570	10,731	99,668	9,667	8,309
Delaware	5,269	2,110	1,594	3,037	45,534	3,954	4,164
District of Columbia	--	--	--	--	--	--	--
Florida	98,620	86,390	74,272	81,404	1,047,683	71,874	68,400
Georgia	22,117	25,712	25,962	29,248	289,783	24,112	24,802
Hawaii	--	--	--	--	--	--	--
Idaho	1,276	857	438	2,272	17,866	1,140	1,494
Illinois	5,221	5,789	5,612	5,960	42,081	3,183	2,790
Indiana	9,110	12,997	13,294	11,362	80,411	7,539	8,647
Iowa	728	1,257	1,309	1,354	11,035	1,333	711
Kansas	1,027	1,124	947	483	20,674	1,097	1,526
Kentucky	3,307	3,123	5,559	2,282	26,919	1,363	2,070
Louisiana	24,960	23,525	22,235	21,942	290,020	17,497	20,950
Maine	947	1,787	1,294	1,871	23,853	1,643	2,151
Maryland	2,652	1,497	1,389	1,114	20,844	1,186	1,189
Massachusetts	11,249	7,951	6,635	7,223	133,164	6,962	8,053
Michigan	10,626	14,651	14,668	14,221	102,166	7,830	6,682
Minnesota	4,395	4,687	3,496	2,419	29,496	3,207	2,183
Mississippi	20,086	26,796	30,519	26,543	221,910	20,002	15,661
Missouri	2,444	W	2,992	2,715	34,825	2,440	2,557
Montana	498	535	W	557	6,421	W	W
Nebraska	242	164	W	185	4,132	270	216
Nevada	15,970	13,336	13,116	12,919	167,916	13,781	13,019
New Hampshire	3,308	3,393	2,236	3,622	31,240	3,040	1,982
New Jersey	18,160	22,976	18,435	19,752	245,464	21,092	20,833
New Mexico	5,744	6,183	5,514	6,628	75,726	6,678	5,995
New York	29,269	39,410	29,469	35,355	453,223	35,391	32,754
North Carolina	19,201	19,153	20,073	21,994	206,226	21,194	16,980
North Dakota	W	W	W	W	40	6	11
Ohio	13,132	19,948	19,594	19,461	175,466	17,320	11,575
Oklahoma	16,903	18,885	20,710	20,692	207,993	16,076	12,743
Oregon	8,202	6,047	3,597	8,155	90,099	8,606	9,288
Pennsylvania	31,691	34,488	26,179	32,578	390,816	33,889	27,541
Rhode Island	2,475	3,176	1,716	2,157	44,852	2,877	2,592
South Carolina	9,540	8,308	7,075	7,192	88,861	6,232	5,949
South Dakota	332	W	495	516	3,189	535	284
Tennessee	4,485	4,226	6,914	4,753	45,019	3,139	4,114
Texas	118,966	128,933	115,697	128,404	1,427,565	107,682	100,792
Utah	3,905	3,298	3,411	4,026	58,499	4,710	4,952
Vermont	*	1	2	5	36	4	3
Virginia	12,719	18,261	17,633	17,681	158,672	12,101	10,330
Washington	4,616	4,762	2,245	5,010	84,950	6,669	6,501
West Virginia	806	362	436	260	6,816	235	333
Wisconsin	6,523	8,768	8,652	7,795	59,808	5,162	5,775
Wyoming	W	W	W	W	W	W	W
Total	668,471	709,358	650,586	714,235	8,149,111	635,681	601,343

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						
	October	September	August	July	June	May	April
Alabama	30,231	32,380	35,284	31,099	30,198	27,561	18,599
Alaska	2,756	2,257	2,625	2,599	2,560	2,347	2,134
Arizona	19,918	27,300	30,020	32,112	22,836	14,200	9,572
Arkansas	4,517	5,768	7,744	6,815	8,170	6,349	5,548
California	84,859	85,939	81,273	80,162	57,297	57,398	56,627
Colorado	9,207	9,165	8,724	10,259	8,009	8,078	5,403
Connecticut	6,993	8,034	10,607	11,214	8,873	7,880	8,519
Delaware	3,945	4,768	5,513	5,486	4,550	3,049	2,924
District of Columbia	--	--	--	--	--	--	--
Florida	91,047	96,828	113,710	105,467	96,523	95,379	88,427
Georgia	29,659	28,511	32,981	28,811	26,578	22,435	17,623
Hawaii	--	--	--	--	--	--	--
Idaho	1,215	2,390	2,815	2,119	592	545	244
Illinois	4,048	3,670	5,827	3,326	4,605	4,945	1,409
Indiana	6,454	4,616	6,190	5,785	5,146	6,037	3,730
Iowa	1,202	895	1,809	917	915	1,287	524
Kansas	1,324	1,565	2,750	2,216	2,021	2,554	1,478
Kentucky	487	709	1,083	1,320	1,136	1,471	3,752
Louisiana	23,463	25,736	33,347	28,009	27,851	28,269	22,342
Maine	1,139	1,237	2,000	3,650	3,015	1,161	1,817
Maryland	1,642	1,957	3,193	3,091	2,436	1,783	980
Massachusetts	13,625	13,588	16,221	18,042	13,335	11,054	10,978
Michigan	8,239	7,666	9,310	5,695	8,945	8,488	7,345
Minnesota	4,382	1,583	3,165	1,842	2,505	3,479	1,190
Mississippi	18,827	19,071	23,299	19,467	19,950	19,704	10,866
Missouri	4,105	2,910	4,405	3,880	2,539	2,872	1,591
Montana	W	645	795	547	W	397	W
Nebraska	318	204	630	514	308	830	510
Nevada	15,972	18,338	18,893	19,953	14,240	12,229	11,006
New Hampshire	3,500	3,344	3,286	3,971	2,843	2,973	3,350
New Jersey	20,729	23,199	24,388	28,273	22,840	17,667	15,072
New Mexico	5,241	5,982	8,440	7,574	7,110	6,452	5,934
New York	35,414	43,200	47,876	51,645	43,424	32,640	28,998
North Carolina	12,618	19,655	20,625	20,934	20,928	16,592	15,371
North Dakota	6	16	*	1	*	--	--
Ohio	9,366	16,927	19,112	16,116	15,086	13,830	11,416
Oklahoma	15,052	15,627	25,973	21,179	16,847	14,549	15,659
Oregon	9,791	11,052	10,644	8,113	2,539	2,792	2,325
Pennsylvania	39,413	38,115	40,817	41,600	36,271	29,586	22,702
Rhode Island	4,151	5,355	5,623	5,886	4,894	3,650	3,517
South Carolina	6,421	6,826	9,345	10,247	8,611	9,060	7,821
South Dakota	148	25	578	613	W	315	W
Tennessee	2,552	3,548	5,253	4,635	5,280	4,947	2,127
Texas	118,224	135,232	172,019	151,899	132,478	112,247	99,900
Utah	5,028	5,242	6,218	6,766	5,672	3,946	3,471
Vermont	3	3	3	3	3	2	1
Virginia	7,553	15,110	15,625	17,061	16,005	15,339	10,019
Washington	9,741	11,677	11,956	8,020	2,648	2,966	2,887
West Virginia	1,283	742	669	609	358	250	76
Wisconsin	7,126	4,180	5,994	4,384	4,595	6,022	4,066
Wyoming	W	W	W	W	W	W	W
Total	703,664	772,831	898,713	843,963	724,035	647,650	550,345

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		
	March	February	January
Alabama	26,559	18,077	31,445
Alaska	2,389	2,661	2,904
Arizona	5,871	10,326	10,933
Arkansas	6,065	4,508	7,412
California	58,412	66,043	70,667
Colorado	8,325	6,467	6,481
Connecticut	6,976	6,542	6,053
Delaware	3,129	1,968	2,083
District of Columbia	--	--	--
Florida	79,120	61,860	79,047
Georgia	18,303	14,129	21,837
Hawaii	--	--	--
Idaho	388	2,199	2,725
Illinois	1,925	1,252	5,101
Indiana	7,730	8,218	10,321
Iowa	244	396	802
Kansas	861	1,498	1,783
Kentucky	4,127	3,227	6,174
Louisiana	16,812	19,977	25,767
Maine	1,491	1,904	2,645
Maryland	1,446	844	1,097
Massachusetts	5,996	7,776	7,533
Michigan	8,355	11,162	12,448
Minnesota	1,368	1,573	3,020
Mississippi	15,665	16,299	23,099
Missouri	1,902	2,320	3,306
Montana	W	607	702
Nebraska	148	88	97
Nevada	9,071	10,119	11,297
New Hampshire	1,961	406	582
New Jersey	18,137	17,235	15,999
New Mexico	5,821	4,803	5,696
New York	35,243	33,403	33,236
North Carolina	14,767	8,697	17,864
North Dakota	--	--	--
Ohio	15,755	13,464	15,500
Oklahoma	13,405	20,372	20,510
Oregon	2,882	10,405	11,663
Pennsylvania	28,109	24,846	27,928
Rhode Island	1,915	1,843	2,550
South Carolina	6,781	4,535	7,033
South Dakota	W	116	255
Tennessee	1,464	1,771	6,188
Texas	94,565	94,522	108,004
Utah	3,983	3,979	4,532
Vermont	4	3	4
Virginia	12,595	13,540	13,395
Washington	4,431	8,090	9,364
West Virginia	481	725	1,055
Wisconsin	3,531	4,145	4,827
Wyoming	W	W	W
Total	558,887	548,988	663,010

^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.

^R Revised data.

-- 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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	119,559	126,235	108,250	54,717	64,842	640,707	54,716
Alaska	NA	15,774	15,180	NA	NA	70,027	7,958
Arizona	54,323	42,717	44,698	23,713	30,610	336,195	30,415
Arkansas	55,666	67,287	59,462	24,701	30,965	270,209	22,561
California	396,016	382,726	420,932	173,160	222,856	2,257,216	235,282
Colorado	87,326	84,728	90,328	38,586	48,740	NA	49,929
Connecticut	56,490	60,978	52,767	27,216	29,274	250,527	23,268
Delaware	17,429	18,891	17,796	8,389	9,040	99,543	7,386
District of Columbia	9,924	10,958	10,709	4,776	5,148	29,157	2,907
Florida	203,660	191,098	175,882	97,329	106,331	NA	105,637
Georgia	146,703	155,878	135,209	67,395	79,308	683,796	56,505
Hawaii	506	515	514	247	259	2,929	251
Idaho	24,846	19,112	23,027	11,067	13,779	98,782	13,715
Illinois	279,714	315,234	337,952	128,292	151,423	NA	107,844
Indiana	171,848	190,055	186,014	79,178	92,671	712,946	72,031
Iowa	74,434	79,378	83,378	34,191	40,243	NA	32,191
Kansas	54,361	57,243	64,939	23,125	31,236	NA	24,751
Kentucky	63,745	67,834	70,864	28,747	34,998	249,968	22,413
Louisiana	244,536	227,418	231,666	114,582	129,954	1,361,733	123,498
Maine	NA	NA	11,946	NA	NA	NA	NA
Maryland	57,823	65,797	61,883	26,762	31,061	205,407	18,593
Massachusetts	99,923	114,500	102,043	46,930	52,994	434,781	36,395
Michigan	229,104	269,706	260,402	109,809	119,295	NA	87,181
Minnesota	NA	120,502	129,534	NA	NA	NA	NA
Mississippi	96,318	94,804	76,710	46,318	50,000	NA	40,203
Missouri	NA	86,972	93,534	NA	42,639	271,116	30,729
Montana	16,918	16,339	18,681	7,453	9,465	NA	9,316
Nebraska	34,603	38,719	41,466	15,446	19,157	149,107	16,498
Nevada	56,442	46,473	43,013	24,686	31,756	NA	30,673
New Hampshire	NA	14,598	8,446	NA	5,978	NA	NA
New Jersey	180,245	204,419	196,682	82,591	97,654	NA	63,409
New Mexico	34,408	34,110	31,611	15,207	19,201	156,429	19,223
New York	313,355	367,088	332,415	147,258	166,096	1,322,592	110,327
North Carolina	116,401	115,629	95,546	55,952	60,449	NA	NA
North Dakota	13,011	13,915	14,120	5,807	7,203	55,321	5,845
Ohio	249,053	290,887	288,240	114,778	134,276	949,865	88,545
Oklahoma	NA	116,153	120,460	NA	55,937	544,200	50,354
Oregon	49,605	39,116	55,743	22,360	27,245	233,523	28,283
Pennsylvania	253,386	266,907	250,954	119,940	133,446	1,078,193	96,515
Rhode Island	16,597	18,413	16,948	7,986	8,611	90,207	6,847
South Carolina	51,664	49,058	45,079	23,581	28,082	270,546	24,364
South Dakota	16,568	17,286	17,799	7,556	9,012	73,755	8,123
Tennessee	81,946	90,525	84,647	37,150	44,796	306,194	29,015
Texas	624,163	638,430	621,472	290,730	333,433	3,589,916	307,656
Utah	50,275	40,651	46,622	22,064	28,211	187,452	27,782
Vermont	3,155	3,562	2,950	1,459	1,695	11,766	1,168
Virginia	NA	113,426	100,311	54,140	NA	NA	44,149
Washington	NA	52,824	73,043	29,337	NA	NA	NA
West Virginia	22,258	24,085	25,354	10,209	12,049	NA	NA
Wisconsin	123,831	134,202	134,253	57,410	66,422	454,450	49,528
Wyoming	15,926	15,537	16,030	7,457	8,468	72,765	9,112
Total	5,392,785	5,640,352	5,547,506	2,491,129	2,901,656	25,032,446	2,382,574

See footnotes at end of table.

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

(million cubic feet) – continued

State							2015
	November	October	September	August	July	June	May
Alabama	50,501	49,292	50,117	54,897	56,930	53,334	50,430
Alaska	6,929	5,317	4,473	3,785	3,931	3,865	4,234
Arizona	25,804	29,557	35,461	42,499	38,296	35,358	19,019
Arkansas	18,552	14,702	17,958	21,854	22,018	19,176	17,538
California	195,837	186,757	189,292	199,015	192,918	176,488	163,981
Colorado	40,791	22,856	19,128	19,060	18,936	NA	22,284
Connecticut	19,928	17,525	15,795	17,528	16,880	14,828	15,438
Delaware	6,797	6,849	7,939	8,330	8,917	7,661	8,377
District of Columbia	2,437	1,740	1,072	1,037	984	1,071	1,170
Florida	106,003	114,127	118,468	126,037	124,560	NA	115,388
Georgia	55,858	52,445	49,172	54,742	58,820	52,141	48,114
Hawaii	228	240	233	240	243	245	228
Idaho	11,261	7,606	6,838	7,016	6,426	7,027	6,398
Illinois	NA	57,973	43,969	42,537	45,724	42,648	47,454
Indiana	59,575	48,080	39,873	43,297	43,339	41,553	45,360
Iowa	NA	21,170	17,814	18,504	19,248	18,170	19,172
Kansas	NA	12,195	11,628	NA	17,191	11,903	NA
Kentucky	21,975	18,190	15,333	15,592	16,787	14,156	14,767
Louisiana	116,396	112,861	109,098	117,825	117,378	113,026	111,376
Maine	NA	NA	NA	NA	NA	NA	NA
Maryland	16,455	12,704	9,762	10,397	12,233	10,059	10,729
Massachusetts	31,148	29,699	25,692	31,673	31,404	24,447	27,028
Michigan	71,432	55,280	38,018	37,730	39,804	37,619	NA
Minnesota	35,845	27,097	22,872	22,087	22,461	20,434	21,244
Mississippi	NA	37,302	NA	43,498	45,832	43,504	37,493
Missouri	21,864	13,729	12,195	14,233	15,028	12,825	11,717
Montana	7,811	4,787	3,662	NA	3,334	3,235	4,032
Nebraska	13,194	9,672	8,366	9,420	10,715	9,078	9,453
Nevada	23,835	22,739	NA	NA	24,653	NA	NA
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	56,474	NA	NA	46,180	47,857	41,966	NA
New Mexico	14,369	10,795	10,219	12,236	11,371	10,551	9,056
New York	97,953	85,452	78,673	85,379	84,207	71,555	80,348
North Carolina	43,008	35,342	35,685	NA	37,432	38,346	35,890
North Dakota	5,168	4,063	3,600	3,396	2,929	2,918	3,806
Ohio	74,007	55,863	46,019	48,583	50,025	49,400	53,072
Oklahoma	42,019	34,185	38,010	43,618	45,577	40,117	38,046
Oregon	25,529	18,493	18,287	17,582	17,872	16,776	16,048
Pennsylvania	87,069	78,980	67,203	73,764	74,666	67,354	64,067
Rhode Island	7,643	6,216	4,837	8,371	8,254	7,601	7,388
South Carolina	25,780	22,863	20,307	22,303	23,407	22,958	18,944
South Dakota	6,660	4,893	4,529	5,045	5,249	4,980	5,153
Tennessee	24,268	18,807	18,246	17,907	19,267	19,192	19,198
Texas	267,183	276,726	291,178	332,621	329,042	291,031	272,902
Utah	20,739	10,855	10,440	11,750	11,359	11,810	12,963
Vermont	1,024	875	566	544	587	568	498
Virginia	36,489	27,516	33,817	37,648	40,769	37,826	34,791
Washington	NA	25,442	22,103	20,020	21,431	19,627	18,099
West Virginia	6,835	6,180	4,914	4,922	5,114	4,733	4,850
Wisconsin	38,845	29,272	23,582	23,388	25,107	22,344	24,828
Wyoming	7,317	4,917	4,513	4,334	4,559	4,744	5,370
Total	2,056,654	1,805,826	1,727,140	1,873,006	1,889,299	1,729,717	1,684,310

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		
	April	March	February	January	Total	December	November
Alabama	42,013	52,242	60,691	65,544	599,473	55,859	57,340
Alaska	6,361	7,401	7,065	8,709	70,960	7,674	7,017
Arizona	19,745	17,323	17,764	24,953	294,459	20,663	21,715
Arkansas	20,449	28,113	34,420	32,866	249,549	25,366	19,109
California	165,806	169,115	166,602	216,124	2,265,431	217,366	181,285
Colorado	24,823	32,281	37,819	46,910	367,021	46,988	43,139
Connecticut	20,407	27,952	29,385	31,593	230,507	25,340	19,993
Delaware	9,744	8,652	8,451	10,439	99,736	10,239	9,230
District of Columbia	1,806	3,974	5,164	5,794	32,751	4,445	3,501
Florida	112,579	102,118	91,656	99,442	1,221,666	88,657	83,716
Georgia	43,137	56,984	75,688	80,190	645,253	64,386	63,780
Hawaii	254	252	237	278	2,927	252	228
Idaho	6,506	6,876	7,365	11,746	87,647	10,149	9,743
Illinois	68,229	112,415	158,539	156,696	1,062,377	124,735	114,914
Indiana	52,030	77,753	95,977	94,078	703,637	76,696	73,174
Iowa	21,424	29,888	39,737	39,641	317,784	35,039	33,162
Kansas	NA	NA	27,020	30,223	246,547	27,804	24,333
Kentucky	17,503	25,417	35,629	32,205	241,151	25,899	24,308
Louisiana	105,289	107,567	108,643	118,775	1,325,708	108,828	109,332
Maine	NA	NA	NA	NA	59,362	4,819	5,058
Maryland	13,599	25,079	33,283	32,515	201,199	24,996	20,208
Massachusetts	33,435	49,361	57,348	57,152	412,268	41,225	34,514
Michigan	62,178	100,839	136,861	132,844	824,527	95,114	85,516
Minnesota	32,629	NA	60,949	59,554	460,653	57,952	49,106
Mississippi	31,835	41,820	48,491	46,313	390,396	37,062	31,046
Missouri	18,800	33,023	44,585	42,387	290,421	34,790	28,602
Montana	NA	6,327	7,056	9,283	71,435	9,281	8,492
Nebraska	10,561	13,430	19,005	19,714	165,620	18,917	17,125
Nevada	NA	NA	21,412	25,061	247,182	24,151	20,049
New Hampshire	NA	NA	6,577	8,021	56,936	6,177	4,520
New Jersey	59,365	92,180	102,899	101,520	757,130	83,161	70,870
New Mexico	10,919	13,581	15,431	18,679	152,942	18,003	14,705
New York	97,863	163,745	183,131	183,957	1,319,852	144,249	116,464
North Carolina	34,202	NA	57,817	57,812	449,335	50,727	42,746
North Dakota	4,018	5,662	6,940	6,974	54,307	5,889	5,501
Ohio	71,920	121,545	146,779	144,108	982,855	113,777	85,969
Oklahoma	42,615	53,506	58,825	57,328	508,363	46,355	32,369
Oregon	18,591	16,946	15,369	23,747	216,365	24,221	23,342
Pennsylvania	82,728	118,940	133,045	133,862	1,042,647	115,343	91,861
Rhode Island	5,576	9,060	9,013	9,400	85,849	7,963	6,626
South Carolina	19,358	21,203	23,838	25,221	229,454	21,664	20,489
South Dakota	5,562	6,273	8,428	8,858	73,917	8,376	7,600
Tennessee	19,944	29,823	47,524	43,001	297,814	33,696	28,839
Texas	269,409	313,738	295,639	342,791	3,415,789	295,687	259,502
Utah	14,540	14,564	17,302	23,349	198,278	23,459	21,017
Vermont	890	1,484	1,737	1,826	10,554	1,362	1,006
Virginia	NA	46,663	57,365	56,062	404,939	42,878	36,107
Washington	20,996	23,671	21,917	30,907	298,088	32,897	32,137
West Virginia	6,379	10,720	12,547	11,538	86,978	9,359	8,448
Wisconsin	32,984	50,370	68,200	66,002	458,999	52,427	50,632
Wyoming	5,844	6,519	6,841	8,696	73,096	8,159	7,608
Total	1,842,223	2,401,346	2,739,639	2,900,713	24,362,131	2,470,522	2,167,091

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014						
	October	September	August	July	June	May	April
Alabama	48,984	49,254	51,944	47,503	46,789	45,654	37,636
Alaska	6,696	4,700	4,356	4,240	4,388	4,389	5,296
Arizona	25,203	32,029	34,651	36,897	27,820	20,194	16,537
Arkansas	16,336	16,094	17,748	16,770	18,077	17,250	18,683
California	191,093	192,824	192,700	190,334	160,855	166,662	168,803
Colorado	25,243	19,517	17,079	20,070	18,726	22,882	25,470
Connecticut	13,520	13,064	15,658	16,362	14,361	14,815	19,616
Delaware	7,616	7,928	8,558	8,244	7,298	6,637	6,829
District of Columbia	1,643	1,091	1,096	1,038	1,120	1,410	2,201
Florida	104,666	109,137	125,822	118,145	108,682	108,896	103,047
Georgia	51,897	46,991	51,307	47,680	45,029	42,662	41,682
Hawaii	234	233	241	246	241	240	252
Idaho	5,944	5,890	5,943	5,361	4,216	4,645	5,578
Illinois	63,725	44,930	42,195	40,077	41,929	53,185	71,874
Indiana	48,686	39,584	39,604	38,307	37,047	42,226	47,472
Iowa	22,429	16,333	17,187	17,079	17,304	19,677	23,227
Kansas	13,849	12,402	15,519	15,416	13,069	15,871	18,022
Kentucky	14,034	11,678	11,687	11,908	11,833	13,274	18,110
Louisiana	106,734	103,311	115,931	110,324	108,235	112,544	108,892
Maine	3,504	3,555	4,207	6,355	5,375	4,072	4,885
Maryland	10,357	8,058	9,006	8,870	8,292	10,203	13,065
Massachusetts	27,796	23,087	25,082	26,384	22,298	26,983	37,872
Michigan	51,877	33,659	31,192	28,229	31,211	40,905	61,031
Minnesota	31,193	20,897	21,243	18,756	20,624	25,130	35,137
Mississippi	31,494	30,405	34,743	30,813	31,346	31,385	23,992
Missouri	16,853	12,180	12,974	12,615	11,152	13,677	20,240
Montana	4,910	3,693	3,223	3,014	3,158	4,094	5,160
Nebraska	11,124	9,346	9,316	9,616	8,873	10,840	12,184
Nevada	20,909	22,533	22,889	24,059	18,633	17,282	17,139
New Hampshire	4,953	4,409	4,217	4,897	4,007	4,669	5,292
New Jersey	45,260	42,720	42,952	48,276	43,382	44,234	52,212
New Mexico	9,644	9,204	12,011	11,160	10,719	10,818	11,514
New York	75,877	75,230	77,164	81,098	75,775	83,618	100,360
North Carolina	27,094	31,723	32,463	32,782	32,607	29,459	30,791
North Dakota	3,485	2,151	2,354	3,107	3,140	3,545	4,714
Ohio	55,558	51,567	51,649	48,989	48,672	51,914	66,763
Oklahoma	30,698	32,993	44,056	37,366	34,275	34,290	46,275
Oregon	17,779	17,283	16,726	14,062	9,355	9,994	12,466
Pennsylvania	75,633	64,908	66,788	68,309	63,880	62,540	70,318
Rhode Island	5,751	6,708	7,094	7,250	6,483	5,308	8,264
South Carolina	16,088	15,154	17,791	18,628	16,933	18,017	17,971
South Dakota	5,024	4,196	4,589	4,477	4,154	4,882	5,669
Tennessee	17,679	15,991	17,554	16,901	17,213	18,012	18,664
Texas	257,979	277,262	321,062	303,275	278,265	264,857	258,348
Utah	12,838	11,150	11,355	12,866	12,753	13,739	13,518
Vermont	616	475	436	432	430	573	890
Virginia	21,315	26,171	26,801	27,204	26,997	27,294	26,486
Washington	23,873	22,411	21,834	18,143	13,421	15,019	19,089
West Virginia	6,210	4,336	4,128	3,845	3,716	4,613	6,178
Wisconsin	31,648	20,571	20,141	18,681	19,536	24,838	34,667
Wyoming	5,721	4,571	4,402	4,061	4,293	5,145	6,034
Total	1,729,274	1,635,586	1,750,670	1,700,523	1,577,990	1,635,063	1,786,416

See footnotes at end of table.

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

(million cubic feet) – continued

State	2014		
	March	February	January
Alabama	50,261	43,210	65,040
Alaska	7,024	7,690	7,490
Arizona	14,049	20,502	24,195
Arkansas	24,653	26,356	33,107
California	182,576	197,756	223,177
Colorado	37,580	42,352	47,976
Connecticut	25,011	26,071	26,696
Delaware	9,361	8,446	9,350
District of Columbia	4,498	4,755	5,954
Florida	95,015	77,414	98,468
Georgia	54,632	54,590	80,618
Hawaii	245	242	272
Idaho	7,148	10,342	12,685
Illinois	126,861	152,556	185,396
Indiana	74,828	85,009	101,005
Iowa	32,968	38,486	44,892
Kansas	25,324	30,468	34,471
Kentucky	27,557	31,056	39,807
Louisiana	109,912	107,586	124,079
Maine	5,586	5,104	6,842
Maryland	26,260	27,788	34,095
Massachusetts	44,983	48,034	54,009
Michigan	105,390	121,081	139,320
Minnesota	51,080	59,243	70,292
Mississippi	31,399	33,758	42,951
Missouri	33,803	43,763	49,771
Montana	7,728	9,473	9,208
Nebraska	16,810	19,708	21,759
Nevada	16,524	19,600	23,413
New Hampshire	5,348	3,831	4,615
New Jersey	87,382	94,308	102,374
New Mexico	13,554	13,930	17,681
New York	157,602	161,193	171,222
North Carolina	43,398	37,504	58,042
North Dakota	6,299	6,854	7,266
Ohio	119,757	133,084	155,156
Oklahoma	49,227	60,276	60,184
Oregon	15,394	26,360	29,383
Pennsylvania	112,111	117,229	133,725
Rhode Island	7,455	7,646	9,302
South Carolina	21,640	19,069	26,011
South Dakota	7,151	8,525	9,274
Tennessee	28,617	35,511	49,136
Texas	278,080	290,091	331,381
Utah	18,961	19,876	26,746
Vermont	1,383	1,337	1,613
Virginia	43,376	46,366	53,944
Washington	26,221	35,250	37,793
West Virginia	10,790	11,809	13,545
Wisconsin	51,603	61,826	72,428
Wyoming	7,075	7,863	8,167
Total	2,361,491	2,552,179	2,995,327

^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.

^{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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	3.20	4.03	4.74	3.18	3.22	NA	3.27
Alaska	6.69	7.33	6.95	6.65	6.74	6.57	6.53
Arizona	4.00	4.73	5.51	4.60	3.64	NA	NA
Arkansas	3.57	4.38	5.45	3.76	3.43	4.76	4.00
California	2.69	3.47	4.89	2.65	2.72	3.27	3.02
Colorado	3.15	4.01	5.40	3.23	3.09	3.96	3.07
Connecticut	3.36	4.38	5.99	3.45	3.27	4.07	3.80
Delaware	3.82	4.96	5.77	3.84	3.81	NA	4.98
District of Columbia	--	--	--	--	--	--	--
Florida	3.90	5.29	5.11	3.95	3.86	NA	4.65
Georgia	3.41	3.71	5.52	3.27	3.54	3.82	3.51
Hawaii	10.73	15.61	26.12	10.52	10.93	18.11	14.81
Idaho	3.32	4.42	3.97	3.47	3.20	3.95	3.34
Illinois	2.98	3.97	6.98	2.79	3.12	3.82	3.43
Indiana	3.26	4.16	6.29	3.25	3.26	NA	3.52
Iowa	3.64	4.53	6.33	3.62	3.65	NA	3.79
Kansas	3.39	4.75	5.30	3.41	3.38	NA	3.55
Kentucky	3.25	NA	5.26	3.26	3.24	NA	3.85
Louisiana	3.05	4.00	5.44	2.97	3.11	3.32	2.95
Maine	8.27	11.31	11.80	8.85	7.79	NA	8.01
Maryland	NA	5.12	6.94	3.52	NA	4.99	5.19
Massachusetts	4.73	6.44	7.21	4.30	5.09	NA	5.42
Michigan	3.82	4.59	5.58	3.84	3.80	4.22	3.95
Minnesota	3.54	4.71	7.23	3.65	3.43	4.40	3.65
Mississippi	NA	3.99	5.64	NA	3.28	NA	4.29
Missouri	3.32	4.34	5.41	3.36	3.29	4.65	3.49
Montana	3.32	4.45	5.11	3.43	3.23	3.71	3.25
Nebraska	3.73	4.69	5.56	3.87	3.62	NA	3.23
Nevada	3.45	4.61	6.26	3.56	3.38	4.06	3.15
New Hampshire	7.02	10.36	10.93	7.03	7.02	NA	6.40
New Jersey	3.99	4.99	6.94	4.02	3.97	4.79	4.27
New Mexico	2.75	3.59	5.31	2.80	2.72	NA	2.76
New York	2.75	4.13	5.81	2.88	2.64	4.14	3.56
North Carolina	2.60	3.88	5.45	2.52	2.67	NA	3.10
North Dakota	3.79	4.90	6.49	3.84	3.76	4.46	3.94
Ohio	3.58	4.81	4.91	3.55	3.60	4.49	3.75
Oklahoma	3.59	4.79	4.76	3.68	3.48	4.59	3.86
Oregon	3.70	4.74	5.11	3.79	3.64	4.65	3.72
Pennsylvania	3.28	4.17	5.54	3.19	3.35	NA	4.15
Rhode Island	2.23	3.62	4.14	2.24	2.23	3.14	2.22
South Carolina	3.22	4.13	4.38	3.13	3.28	3.90	3.48
South Dakota	3.65	4.53	6.40	3.71	3.61	4.17	3.72
Tennessee	3.16	4.24	5.56	3.09	3.21	4.06	3.45
Texas	3.82	4.66	5.93	3.87	3.79	4.20	4.38
Utah	5.80	6.53	5.84	6.05	5.61	5.70	5.96
Vermont	5.74	6.71	7.05	5.98	5.52	NA	5.93
Virginia	3.36	4.95	5.95	3.31	3.40	4.87	4.36
Washington	3.39	4.83	5.26	3.63	3.21	4.42	3.46
West Virginia	3.25	4.08	5.00	3.38	3.14	4.00	3.63
Wisconsin	3.98	4.88	6.89	3.92	4.02	4.71	3.96
Wyoming	3.68	5.25	5.32	3.75	3.62	4.36	3.89
Total	3.45	4.51	5.94	3.46	3.44	4.25	3.76

See footnotes at end of table.

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

State	2015						
	November	October	September	August	July	June	May
Alabama	3.61	3.83	3.81	4.04	3.80	3.96	NA
Alaska	6.56	6.11	5.90	5.80	5.60	5.61	5.80
Arizona	4.42	4.25	4.48	4.53	4.55	4.29	3.81
Arkansas	4.16	5.63	5.58	6.92	6.97	6.46	5.52
California	3.08	3.32	3.42	3.55	3.56	3.42	2.96
Colorado	3.24	4.60	5.62	5.61	5.36	4.96	4.20
Connecticut	3.36	3.58	4.59	4.45	4.58	4.58	4.49
Delaware	5.14	6.54	10.35	10.03	10.56	NA	NA
District of Columbia	--	--	--	--	--	--	--
Florida	3.92	4.17	4.53	4.44	4.87	5.12	NA
Georgia	3.37	3.80	4.14	4.16	4.16	4.17	3.93
Hawaii	14.92	14.59	15.38	17.72	22.97	25.54	22.92
Idaho	3.52	3.75	3.67	4.50	4.65	3.99	3.81
Illinois	3.17	3.61	4.91	4.75	5.12	4.09	3.95
Indiana	3.62	NA	4.58	4.82	4.57	4.61	4.26
Iowa	3.81	3.58	4.62	4.61	4.54	NA	4.32
Kansas	3.94	5.53	NA	NA	5.39	NA	5.72
Kentucky	3.21	3.41	3.34	3.41	3.44	3.65	3.78
Louisiana	2.62	2.95	3.08	3.28	3.48	3.22	3.04
Maine	7.52	4.38	5.52	NA	9.76	7.37	7.25
Maryland	4.26	4.07	7.19	8.78	7.38	6.50	5.79
Massachusetts	4.42	4.62	7.59	7.15	7.30	6.25	6.74
Michigan	3.81	3.65	3.60	3.82	3.82	3.92	3.71
Minnesota	4.06	3.51	4.49	4.52	4.68	4.49	3.79
Mississippi	NA	3.68	3.64	3.82	3.81	3.83	3.64
Missouri	3.86	5.35	6.75	7.28	7.38	6.99	6.52
Montana	2.87	3.28	3.10	3.36	3.43	3.24	3.56
Nebraska	3.83	4.04	4.68	4.16	4.11	NA	4.71
Nevada	3.57	4.40	4.38	4.64	4.53	4.15	3.89
New Hampshire	4.34	NA	5.90	7.17	7.87	9.74	5.52
New Jersey	4.30	4.37	5.00	4.84	4.67	4.78	4.73
New Mexico	NA	3.34	3.57	3.74	3.64	3.55	3.17
New York	3.49	4.50	7.03	7.28	7.23	6.26	5.72
North Carolina	NA	3.88	4.46	4.68	4.64	4.62	4.46
North Dakota	4.16	4.58	5.00	4.32	3.56	3.59	3.46
Ohio	3.45	3.02	2.34	3.04	3.24	3.98	4.21
Oklahoma	4.22	5.28	5.45	5.43	5.17	4.82	4.23
Oregon	3.92	5.15	5.19	5.84	6.30	5.36	5.37
Pennsylvania	4.31	NA	6.64	6.67	5.83	6.04	6.61
Rhode Island	2.22	2.24	2.31	2.41	2.52	2.66	2.83
South Carolina	3.20	3.56	4.01	3.96	3.97	4.07	4.09
South Dakota	3.87	3.84	4.53	4.55	4.13	3.83	3.26
Tennessee	3.49	3.80	4.03	4.00	4.12	4.14	4.60
Texas	3.90	4.17	3.73	3.86	3.94	3.71	3.59
Utah	4.84	5.49	4.18	3.96	4.34	3.99	5.69
Vermont	5.08	4.59	5.96	6.34	6.39	7.22	NA
Virginia	4.07	4.75	5.78	7.36	7.00	6.62	6.69
Washington	3.51	4.25	5.08	5.84	5.29	5.24	5.10
West Virginia	3.57	3.60	4.77	4.72	5.37	4.49	4.06
Wisconsin	4.21	4.25	5.61	5.95	5.68	5.79	4.47
Wyoming	3.88	4.09	3.89	3.50	3.06	3.55	4.32
Total	3.68	4.00	4.54	4.58	4.65	4.43	4.24

See footnotes at end of table.

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

State	2015				2014		
	April	March	February	January	Total	December	November
Alabama	4.08	4.12	3.89	4.18	4.93	4.62	4.56
Alaska	6.22	6.86	7.21	7.43	6.34	6.06	6.24
Arizona	3.95	5.45	5.08	4.52	5.20	4.69	5.17
Arkansas	6.31	4.87	4.27	4.48	5.84	5.27	4.98
California	3.13	3.27	3.30	3.58	4.88	4.78	4.04
Colorado	4.08	4.39	4.18	3.89	5.42	4.92	4.61
Connecticut	3.28	3.89	4.50	4.26	5.61	4.88	4.78
Delaware	6.31	4.89	5.29	4.62	5.54	4.51	4.71
District of Columbia	--	--	--	--	--	--	--
Florida	5.24	6.30	5.25	5.33	5.05	4.72	4.81
Georgia	4.04	3.81	3.56	3.87	5.19	4.95	4.58
Hawaii	19.95	18.30	17.90	13.58	26.94	16.84	22.38
Idaho	3.42	4.86	4.66	4.27	4.29	4.44	4.37
Illinois	3.54	3.81	4.06	3.87	6.28	5.31	4.72
Indiana	3.55	4.23	4.09	4.23	5.63	4.82	4.78
Iowa	4.12	NA	4.26	4.81	6.24	5.65	5.03
Kansas	3.64	4.35	4.25	5.27	6.10	5.18	6.24
Kentucky	3.75	4.24	NA	4.48	5.16	4.97	4.80
Louisiana	3.08	3.69	3.86	4.15	4.90	4.65	4.49
Maine	NA	9.28	11.79	10.83	10.33	12.28	10.99
Maryland	4.14	4.40	5.60	4.61	6.36	5.68	5.03
Massachusetts	NA	4.96	7.43	5.44	6.96	6.25	5.55
Michigan	3.84	4.38	4.55	4.63	5.54	5.04	4.72
Minnesota	3.83	5.36	4.69	4.72	6.56	5.59	5.27
Mississippi	3.46	NA	3.63	4.37	5.29	5.19	4.67
Missouri	5.49	4.52	4.25	4.43	5.76	5.11	5.05
Montana	3.44	4.54	4.34	4.53	5.03	4.83	4.03
Nebraska	3.93	4.87	4.29	5.08	5.58	4.99	4.93
Nevada	3.95	4.70	4.79	4.49	5.90	5.19	5.44
New Hampshire	4.46	6.46	10.71	10.03	9.28	9.97	6.90
New Jersey	4.48	5.09	5.34	4.66	6.21	5.45	5.36
New Mexico	3.56	3.77	3.56	3.62	4.99	4.66	4.44
New York	2.94	3.19	4.43	3.84	5.47	4.27	4.22
North Carolina	4.05	3.71	3.87	3.90	5.41	4.71	4.60
North Dakota	4.08	4.85	4.77	5.03	6.37	5.97	5.35
Ohio	4.51	4.79	4.78	4.83	4.91	4.96	4.89
Oklahoma	4.34	4.46	4.44	5.21	5.35	4.95	5.42
Oregon	4.68	4.83	4.84	4.67	5.40	4.81	5.04
Pennsylvania	4.11	4.23	4.04	4.32	5.59	5.10	4.67
Rhode Island	3.09	3.59	3.63	3.61	4.03	3.61	3.61
South Carolina	4.11	4.11	4.02	4.23	5.22	5.00	5.00
South Dakota	3.72	4.65	4.43	4.62	6.14	5.54	4.97
Tennessee	3.95	4.32	4.17	4.30	5.37	4.66	4.93
Texas	3.75	4.18	4.32	4.94	5.77	5.62	5.81
Utah	5.99	6.40	6.81	6.35	5.74	6.78	5.53
Vermont	6.55	6.62	6.84	6.59	7.08	6.62	6.29
Virginia	4.52	4.01	5.33	4.56	5.98	5.24	5.12
Washington	4.19	4.96	4.89	4.79	5.82	5.15	5.38
West Virginia	3.62	3.99	4.04	4.13	5.07	4.80	4.52
Wisconsin	4.10	4.98	4.76	5.01	6.96	5.90	5.28
Wyoming	4.31	4.67	4.95	5.52	5.27	5.24	4.59
Total	3.93	4.35	4.54	4.48	5.71	5.15	4.91

See footnotes at end of table.

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

State	2014						
	October	September	August	July	June	May	April
Alabama	4.90	4.78	4.80	5.23	5.61	5.66	5.37
Alaska	6.10	5.73	5.63	5.69	5.69	5.59	6.06
Arizona	5.00	4.88	5.02	5.16	5.20	5.01	5.02
Arkansas	6.83	6.87	7.61	7.98	8.17	7.71	6.87
California	4.66	4.59	4.46	5.32	4.87	5.24	4.91
Colorado	5.84	6.14	6.34	6.95	6.27	5.78	5.38
Connecticut	4.62	5.51	5.84	6.10	6.39	6.63	5.97
Delaware	5.76	6.92	7.36	7.44	4.54	6.95	5.74
District of Columbia	--	--	--	--	--	--	--
Florida	4.82	5.18	4.63	4.94	5.37	5.28	5.37
Georgia	4.85	4.77	4.95	5.22	5.55	5.48	5.17
Hawaii	23.44	28.91	30.03	29.61	32.97	30.54	29.90
Idaho	4.25	4.30	3.05	5.03	5.05	4.69	4.49
Illinois	4.47	4.95	5.32	5.55	5.63	5.20	5.23
Indiana	4.75	5.08	4.80	5.53	5.66	5.57	5.29
Iowa	4.97	6.24	6.84	6.98	7.85	7.03	5.68
Kansas	8.47	7.51	6.45	7.00	7.61	7.45	6.89
Kentucky	4.75	4.81	4.70	5.07	5.22	5.75	5.45
Louisiana	4.44	4.33	4.19	4.64	5.03	5.09	5.09
Maine	4.25	6.99	6.72	7.14	7.69	7.64	9.39
Maryland	5.76	7.00	7.77	8.67	8.30	7.59	6.23
Massachusetts	5.90	8.36	8.90	9.96	9.36	7.10	6.84
Michigan	4.65	4.72	4.78	4.97	5.09	5.03	5.25
Minnesota	4.87	5.68	5.55	6.36	6.21	5.43	5.26
Mississippi	4.85	4.67	4.69	5.30	5.58	5.08	6.11
Missouri	6.26	7.49	7.85	8.66	8.55	7.29	6.29
Montana	4.28	5.02	4.38	6.44	6.29	6.71	5.53
Nebraska	4.69	5.33	5.16	5.95	6.32	5.99	5.40
Nevada	5.55	5.86	5.56	6.02	6.03	5.93	6.38
New Hampshire	5.64	7.43	7.76	8.68	9.63	8.88	5.58
New Jersey	5.48	5.84	5.91	6.23	6.19	5.82	5.69
New Mexico	4.82	4.80	4.67	5.19	5.14	5.09	4.93
New York	5.23	6.97	7.16	7.92	7.87	7.59	5.87
North Carolina	5.50	6.09	5.94	6.64	7.06	6.78	6.03
North Dakota	5.60	5.84	5.97	7.61	7.47	6.55	5.95
Ohio	4.89	4.08	4.51	4.03	4.83	5.01	5.28
Oklahoma	6.27	5.81	6.25	6.57	6.33	5.77	5.64
Oregon	5.72	6.13	6.77	6.73	6.08	5.98	5.47
Pennsylvania	4.58	6.04	6.87	6.36	6.84	6.77	6.15
Rhode Island	3.64	3.79	3.95	4.11	4.24	4.34	4.35
South Carolina	5.43	5.44	4.87	5.43	5.95	5.87	5.84
South Dakota	5.00	5.54	5.84	7.03	6.71	5.62	5.40
Tennessee	5.16	5.31	5.45	5.77	5.79	5.67	5.60
Texas	5.66	5.02	5.04	5.37	5.62	5.65	6.00
Utah	5.89	5.01	4.79	4.49	4.46	4.26	5.65
Vermont	6.13	6.44	6.61	6.69	7.33	7.14	7.12
Virginia	6.59	7.14	7.82	8.00	7.97	7.50	6.09
Washington	5.87	6.89	7.75	7.88	7.01	6.91	5.54
West Virginia	4.46	5.57	5.75	6.01	6.09	6.37	5.18
Wisconsin	5.56	6.60	7.28	7.60	8.44	6.58	6.11
Wyoming	4.90	5.07	4.79	5.45	5.79	5.37	5.13
Total	5.16	5.51	5.49	5.99	6.05	5.90	5.64

See footnotes at end of table.

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

State	2014		
	March	February	January
Alabama	5.16	5.07	4.45
Alaska	6.96	7.11	6.76
Arizona	5.74	6.12	5.09
Arkansas	5.97	6.20	4.86
California	5.84	4.89	4.88
Colorado	5.90	5.99	4.88
Connecticut	5.68	6.59	5.46
Delaware	5.28	5.62	5.90
District of Columbia	--	--	--
Florida	5.50	5.41	4.94
Georgia	5.48	6.26	5.03
Hawaii	27.54	25.33	26.81
Idaho	4.55	3.58	4.28
Illinois	8.22	8.33	5.87
Indiana	6.12	6.89	5.80
Iowa	7.73	7.08	5.70
Kansas	6.72	5.31	5.29
Kentucky	5.46	5.65	4.97
Louisiana	5.38	5.96	5.05
Maine	10.49	10.28	12.98
Maryland	5.77	6.53	7.26
Massachusetts	7.03	6.81	7.56
Michigan	7.40	6.18	5.08
Minnesota	9.10	8.68	5.91
Mississippi	5.04	6.49	5.05
Missouri	5.81	5.86	5.00
Montana	5.32	5.58	4.58
Nebraska	6.92	6.01	5.15
Nevada	6.48	7.16	5.60
New Hampshire	9.84	12.70	9.41
New Jersey	6.38	6.84	7.02
New Mexico	5.29	5.86	4.91
New York	4.76	5.50	6.09
North Carolina	5.43	5.99	5.04
North Dakota	7.82	8.12	5.03
Ohio	5.64	5.55	4.51
Oklahoma	6.17	4.94	4.57
Oregon	5.69	5.49	4.75
Pennsylvania	6.13	5.83	5.31
Rhode Island	4.28	4.20	4.09
South Carolina	5.96	3.18	5.24
South Dakota	8.28	7.36	5.52
Tennessee	5.66	6.01	5.22
Texas	6.53	6.51	5.45
Utah	6.42	5.90	5.80
Vermont	8.84	8.03	6.24
Virginia	5.75	6.53	5.50
Washington	6.63	5.52	5.02
West Virginia	5.39	5.38	4.69
Wisconsin	10.60	8.19	5.79
Wyoming	6.08	5.88	4.77
Total	6.57	6.41	5.56

-- 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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	11.49	12.33	13.13	11.12	12.00	13.95	14.30
Alaska	8.97	9.61	9.46	9.03	8.91	9.68	8.79
Arizona	12.73	15.99	14.06	13.82	11.99	17.04	12.75
Arkansas	9.30	10.33	8.80	9.06	9.54	11.20	10.34
California	11.48	11.60	10.88	11.52	11.45	11.38	11.37
Colorado	6.22	7.92	7.75	6.44	6.06	NA	6.45
Connecticut	10.48	11.34	12.19	10.65	10.32	12.47	11.82
Delaware	9.88	11.28	11.85	9.71	10.09	NA	11.09
District of Columbia	9.70	11.38	11.60	9.53	9.96	12.52	10.70
Florida	16.34	16.24	15.90	16.00	16.78	19.29	19.15
Georgia	10.85	11.71	11.57	10.94	10.79	15.06	14.41
Hawaii	33.50	36.75	45.20	33.65	33.36	40.00	38.20
Idaho	8.07	8.72	8.32	8.20	7.97	8.62	7.89
Illinois	6.03	6.86	7.68	6.29	5.82	7.95	6.28
Indiana	6.12	7.81	8.02	6.33	5.95	NA	6.91
Iowa	6.51	7.31	9.18	6.50	6.51	8.49	7.29
Kansas	7.54	8.94	9.13	7.90	7.27	NA	7.81
Kentucky	7.77	9.26	8.81	7.65	7.88	10.94	9.41
Louisiana	9.04	9.11	9.14	8.69	9.42	10.71	10.70
Maine	13.10	17.68	15.58	13.08	13.12	NA	13.63
Maryland	9.70	10.64	10.88	9.46	9.95	12.05	13.12
Massachusetts	11.98	13.96	13.58	12.02	11.93	NA	12.66
Michigan	7.40	8.47	8.38	7.58	7.25	8.78	7.55
Minnesota	6.99	8.44	8.96	6.93	7.05	8.84	7.16
Mississippi	8.40	8.21	8.07	8.17	8.65	9.71	9.71
Missouri	8.05	9.53	8.22	8.12	7.98	11.59	9.51
Montana	6.84	8.25	8.15	6.89	6.80	8.21	6.81
Nebraska	6.52	8.18	7.41	6.56	6.49	8.94	6.88
Nevada	9.38	10.79	9.32	9.75	9.12	11.82	8.96
New Hampshire	13.31	NA	14.99	12.70	14.05	NA	15.13
New Jersey	6.70	7.86	9.72	6.86	6.55	8.37	7.85
New Mexico	6.36	7.69	8.39	6.41	6.32	8.58	6.71
New York	9.85	10.12	11.25	9.45	10.31	11.20	11.42
North Carolina	8.89	9.54	10.83	9.05	8.75	NA	12.84
North Dakota	5.56	7.45	7.34	5.62	5.51	NA	5.61
Ohio	6.46	7.71	8.19	6.44	6.48	9.49	7.40
Oklahoma	6.67	7.96	7.25	6.82	6.54	10.26	7.35
Oregon	11.09	12.20	10.40	12.03	10.43	NA	NA
Pennsylvania	8.69	10.45	10.51	8.64	8.75	NA	9.85
Rhode Island	12.52	13.05	13.31	12.35	12.73	14.23	13.47
South Carolina	9.42	9.58	11.04	9.79	9.07	NA	NA
South Dakota	6.40	7.57	8.56	6.57	6.28	8.21	6.56
Tennessee	7.35	8.65	8.71	7.28	7.42	9.69	9.28
Texas	7.80	8.58	8.39	7.81	7.79	10.65	9.34
Utah	8.68	9.81	8.74	8.79	8.59	9.72	8.75
Vermont	12.85	13.36	13.11	12.53	13.24	14.56	13.84
Virginia	9.08	9.96	10.31	8.76	9.45	11.58	12.09
Washington	9.65	10.76	10.80	10.28	9.23	10.61	9.15
West Virginia	8.30	9.78	9.27	8.30	8.30	10.46	8.84
Wisconsin	7.36	8.26	9.19	7.24	7.46	NA	7.38
Wyoming	7.01	8.62	7.93	7.16	6.90	9.19	7.11
Total	8.34	9.30	9.50	8.39	8.30	10.38	9.29

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
	November	October	September	August	July	June	May
Alabama	17.67	19.12	20.38	20.60	20.35	19.49	17.67
Alaska	8.89	9.44	9.86	11.50	11.78	11.38	10.94
Arizona	14.57	20.77	23.01	24.01	23.59	21.53	19.21
Arkansas	13.80	17.40	18.15	19.19	17.53	15.95	13.32
California	10.31	11.53	11.91	11.85	11.68	11.72	11.34
Colorado	6.88	9.26	13.03	13.61	14.21	NA	NA
Connecticut	12.50	15.30	21.49	19.33	18.22	17.38	14.38
Delaware	14.03	NA	23.22	23.75	21.80	20.74	16.05
District of Columbia	12.60	16.21	18.17	18.15	17.68	17.37	14.98
Florida	21.56	23.37	24.41	24.59	24.58	22.58	21.22
Georgia	15.20	20.43	25.75	24.78	25.45	24.37	20.46
Hawaii	38.46	37.38	36.33	37.43	45.12	48.61	45.22
Idaho	7.74	8.93	9.56	10.96	10.72	10.11	9.24
Illinois	7.11	9.68	15.35	15.87	15.10	13.60	11.45
Indiana	7.32	9.26	15.21	17.31	17.18	NA	13.40
Iowa	8.41	13.15	16.40	17.34	15.67	12.98	10.05
Kansas	NA	14.37	19.68	20.79	19.38	17.69	14.53
Kentucky	11.07	16.21	21.14	22.36	23.26	21.66	17.22
Louisiana	13.57	14.79	15.57	16.20	15.18	14.71	13.30
Maine	13.49	NA	21.79	22.87	20.79	17.15	16.59
Maryland	12.72	13.51	19.39	19.08	18.44	18.35	16.81
Massachusetts	11.15	NA	13.23	13.78	13.26	12.15	12.71
Michigan	7.84	8.93	13.21	13.52	13.65	12.50	10.50
Minnesota	7.71	9.33	12.75	13.01	13.30	13.54	10.65
Mississippi	12.13	13.96	15.39	15.82	14.87	14.42	12.94
Missouri	14.08	20.53	23.91	25.19	23.68	20.81	17.03
Montana	7.34	9.01	11.04	11.78	11.68	10.00	8.43
Nebraska	9.51	13.92	15.70	15.79	14.88	12.28	10.40
Nevada	10.80	14.95	16.14	16.41	16.72	15.51	14.34
New Hampshire	14.18	17.97	23.02	22.79	19.32	16.56	15.20
New Jersey	9.08	10.30	12.38	12.98	12.03	11.42	9.61
New Mexico	8.21	12.99	14.74	14.81	14.45	11.71	9.85
New York	12.27	14.26	17.53	17.33	17.10	16.28	12.70
North Carolina	12.12	14.57	21.72	NA	21.31	21.14	17.77
North Dakota	6.57	9.60	NA	NA	21.07	17.38	10.21
Ohio	9.68	15.36	24.31	25.46	23.83	19.95	13.10
Oklahoma	14.41	23.39	25.23	26.66	23.13	19.22	15.80
Oregon	10.10	13.88	14.81	17.52	16.60	NA	14.35
Pennsylvania	10.56	NA	18.32	18.62	17.83	15.82	13.67
Rhode Island	15.46	19.02	20.98	20.92	19.72	17.83	15.77
South Carolina	NA	16.51	24.15	22.97	24.86	24.79	21.41
South Dakota	7.95	10.32	14.21	14.83	14.38	12.22	9.08
Tennessee	11.82	14.51	17.47	19.78	17.72	16.06	14.27
Texas	15.54	19.25	20.97	21.15	18.32	16.62	15.82
Utah	9.22	10.85	10.89	10.85	10.69	9.90	9.55
Vermont	14.89	18.41	23.16	23.04	21.69	19.41	15.81
Virginia	11.72	15.81	19.45	21.10	20.25	19.45	15.62
Washington	9.71	11.24	11.71	12.57	12.37	12.13	11.35
West Virginia	9.60	12.20	17.53	19.04	19.80	17.02	12.86
Wisconsin	7.89	8.42	12.80	14.05	13.27	13.10	9.28
Wyoming	8.57	13.00	15.37	15.71	15.33	11.44	9.41
Total	10.06	12.59	16.37	16.80	16.21	15.07	12.61

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		
	April	March	February	January	Total	December	November
Alabama	15.12	12.00	12.06	12.64	14.59	13.51	14.49
Alaska	10.09	9.72	9.68	9.55	9.11	9.59	9.22
Arizona	18.94	18.93	18.87	14.36	17.20	16.55	17.48
Arkansas	11.21	9.60	10.48	10.21	10.39	10.38	11.72
California	10.92	11.29	11.52	11.67	11.51	11.27	11.04
Colorado	7.97	8.40	7.88	7.95	8.89	8.15	8.08
Connecticut	12.52	10.97	11.07	11.64	14.13	12.38	12.65
Delaware	12.74	11.27	11.33	11.23	13.21	12.09	14.86
District of Columbia	12.70	12.47	10.97	11.85	13.05	11.85	12.50
Florida	18.76	16.17	15.92	16.60	19.02	17.20	20.31
Georgia	16.41	12.51	11.40	12.03	14.45	12.72	13.02
Hawaii	40.77	39.70	38.80	35.00	47.51	38.71	44.85
Idaho	8.89	9.15	8.82	8.66	8.54	8.49	8.40
Illinois	8.40	7.43	6.44	7.28	9.59	8.22	7.76
Indiana	10.63	9.21	7.53	8.11	9.02	8.44	7.09
Iowa	8.48	7.73	7.12	7.50	10.02	8.38	8.83
Kansas	13.67	9.77	8.61	9.22	10.59	9.04	10.72
Kentucky	13.02	9.02	8.98	9.54	10.62	9.89	10.16
Louisiana	11.05	8.67	9.04	9.17	10.89	10.16	11.54
Maine	17.35	17.54	17.47	17.93	16.90	18.26	16.31
Maryland	11.50	10.73	10.12	11.20	12.21	11.56	11.04
Massachusetts	12.68	12.41	13.55	14.47	14.50	14.85	14.47
Michigan	8.86	8.34	8.36	8.58	9.33	9.03	8.89
Minnesota	8.90	9.50	8.28	8.61	9.89	9.66	8.94
Mississippi	10.55	8.25	8.27	8.16	9.49	9.01	9.72
Missouri	12.67	9.26	9.64	9.43	10.83	10.45	12.23
Montana	8.19	8.01	8.15	8.33	9.11	8.26	8.52
Nebraska	9.23	7.97	7.95	8.38	8.77	8.13	9.09
Nevada	13.30	11.84	11.40	10.42	11.44	10.61	12.44
New Hampshire	15.17	15.40	16.28	NA	16.27	16.98	15.25
New Jersey	7.37	7.54	7.86	7.86	9.69	8.03	9.26
New Mexico	8.85	7.57	7.32	8.00	10.13	8.73	10.12
New York	10.18	9.34	9.79	10.51	12.54	10.66	12.27
North Carolina	14.21	10.06	8.99	10.13	11.88	11.30	10.89
North Dakota	8.62	7.54	7.04	7.87	8.86	7.96	7.85
Ohio	9.14	7.76	7.53	7.90	10.16	8.91	10.06
Oklahoma	12.24	7.54	8.09	7.85	10.10	8.16	12.89
Oregon	12.08	13.85	12.95	11.70	11.72	11.94	11.19
Pennsylvania	10.84	10.93	10.35	10.57	11.77	10.85	11.54
Rhode Island	13.87	13.05	12.92	13.22	15.14	13.71	16.98
South Carolina	17.06	10.76	8.91	10.29	12.65	11.69	10.66
South Dakota	8.36	7.96	7.50	7.63	9.27	7.79	8.46
Tennessee	10.49	7.63	8.53	8.78	10.13	9.20	10.11
Texas	11.63	7.46	8.48	8.66	11.16	10.06	12.69
Utah	9.99	9.99	10.40	9.44	9.48	9.89	9.76
Vermont	13.73	13.09	13.00	13.79	14.68	14.08	15.46
Virginia	11.57	10.12	9.27	10.76	12.07	11.10	11.92
Washington	10.95	10.94	10.79	10.75	10.59	10.46	10.33
West Virginia	10.91	9.88	9.77	9.78	10.21	9.96	10.38
Wisconsin	NA	8.29	8.03	8.51	10.52	9.46	8.99
Wyoming	9.25	8.55	8.75	8.52	9.34	8.77	9.41
Total	10.42	9.28	9.10	9.50	10.97	10.01	10.19

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
	October	September	August	July	June	May	April
Alabama	20.57	21.83	21.81	21.77	20.89	18.60	15.46
Alaska	9.35	10.43	12.05	12.01	10.63	7.77	6.82
Arizona	21.92	23.70	24.03	23.29	21.54	18.99	17.61
Arkansas	17.48	18.96	18.85	18.24	16.07	13.29	10.65
California	12.32	12.32	12.05	12.50	12.03	12.14	11.46
Colorado	10.06	13.58	15.47	15.45	12.81	10.23	9.30
Connecticut	17.79	20.30	20.65	20.34	20.33	17.78	16.51
Delaware	21.17	23.45	23.95	22.96	20.49	15.55	12.79
District of Columbia	14.12	16.87	16.90	17.99	16.68	14.23	14.02
Florida	23.66	24.73	25.39	24.68	22.02	20.88	18.70
Georgia	22.13	25.86	26.14	25.80	23.93	18.77	15.67
Hawaii	44.84	49.55	51.36	49.29	52.40	50.96	49.25
Idaho	8.69	9.28	9.39	9.11	9.25	8.95	8.47
Illinois	9.91	14.35	18.07	17.93	17.26	14.33	13.40
Indiana	8.06	13.75	15.50	17.38	21.29	15.51	11.64
Iowa	11.31	16.00	17.83	17.04	15.46	12.19	9.60
Kansas	16.89	20.09	21.20	20.37	18.22	13.72	11.41
Kentucky	15.91	22.23	22.84	23.34	21.38	16.13	11.39
Louisiana	15.82	16.44	16.12	16.39	15.54	13.92	11.57
Maine	17.51	22.80	25.70	23.11	19.40	16.53	16.20
Maryland	15.16	17.84	19.63	19.72	17.87	15.05	13.06
Massachusetts	13.14	15.40	16.22	16.11	14.82	14.69	15.74
Michigan	10.09	12.54	14.65	14.08	13.03	11.14	9.90
Minnesota	10.09	12.91	13.56	14.72	14.80	10.18	10.17
Mississippi	14.68	15.45	15.09	15.28	14.62	12.30	9.80
Missouri	19.08	24.84	25.86	25.05	21.26	15.34	11.34
Montana	10.08	11.18	13.58	13.39	12.45	10.92	9.79
Nebraska	12.44	14.79	15.78	15.57	13.50	10.64	9.01
Nevada	15.50	15.98	16.75	16.16	14.24	12.95	11.47
New Hampshire	16.57	20.74	21.71	20.34	17.02	17.27	16.95
New Jersey	11.50	12.90	13.05	12.77	12.23	11.06	9.43
New Mexico	14.07	15.57	16.29	16.24	14.45	11.77	10.75
New York	15.99	17.86	18.88	18.99	17.99	14.55	12.49
North Carolina	15.88	20.77	23.23	21.55	24.63	21.09	13.64
North Dakota	10.39	14.22	17.00	20.13	16.60	10.73	9.55
Ohio	15.52	23.30	25.28	24.66	20.55	13.55	9.94
Oklahoma	23.93	26.46	26.55	24.27	21.33	16.17	11.60
Oregon	13.36	15.53	16.90	14.58	14.30	13.75	11.97
Pennsylvania	14.89	18.78	20.46	20.23	18.55	13.93	11.94
Rhode Island	21.73	23.13	23.43	22.85	20.80	18.06	14.92
South Carolina	18.88	25.27	24.75	27.01	25.42	20.86	14.68
South Dakota	10.75	13.36	15.55	15.31	13.07	10.31	9.20
Tennessee	16.12	18.54	18.12	18.86	17.54	14.18	11.57
Texas	19.55	20.30	21.03	20.22	18.67	16.16	12.53
Utah	11.08	11.66	11.85	11.18	10.36	8.53	9.17
Vermont	19.48	22.49	23.63	22.45	20.12	15.77	13.58
Virginia	18.73	20.92	20.63	21.11	19.73	15.43	12.56
Washington	10.25	11.03	11.30	11.03	10.85	10.57	10.39
West Virginia	11.53	15.01	18.04	17.72	15.60	12.46	10.40
Wisconsin	9.10	12.28	13.73	14.35	13.60	14.55	11.56
Wyoming	12.07	14.80	16.72	15.58	12.51	9.85	9.27
Total	13.11	16.27	17.41	17.23	16.13	13.60	11.76

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		
	March	February	January
Alabama	13.78	13.11	13.15
Alaska	7.18	9.42	9.49
Arizona	18.04	15.54	13.03
Arkansas	8.98	8.66	8.94
California	11.76	11.12	10.69
Colorado	8.21	7.84	7.66
Connecticut	13.89	13.13	11.30
Delaware	11.88	11.79	11.92
District of Columbia	14.57	11.77	11.40
Florida	17.27	15.81	16.01
Georgia	13.22	12.22	11.14
Hawaii	49.21	44.69	45.67
Idaho	8.68	8.41	8.24
Illinois	10.96	8.09	7.34
Indiana	9.11	8.49	7.63
Iowa	10.98	9.93	8.54
Kansas	9.68	9.40	8.89
Kentucky	9.22	8.82	8.80
Louisiana	9.90	9.38	8.90
Maine	16.41	16.29	14.92
Maryland	11.97	11.42	10.39
Massachusetts	14.98	13.77	13.39
Michigan	9.15	8.64	8.17
Minnesota	11.28	9.55	8.46
Mississippi	8.89	8.17	7.98
Missouri	8.97	8.08	8.36
Montana	8.80	8.29	8.01
Nebraska	8.39	7.77	7.08
Nevada	10.47	9.57	9.13
New Hampshire	16.11	15.59	14.41
New Jersey	9.11	9.74	9.70
New Mexico	10.24	8.75	8.07
New York	11.78	11.32	11.18
North Carolina	10.23	11.38	10.46
North Dakota	8.94	7.69	7.02
Ohio	8.84	8.42	7.96
Oklahoma	8.30	7.52	7.00
Oregon	11.59	10.12	10.66
Pennsylvania	11.09	10.54	10.49
Rhode Island	13.44	13.38	13.24
South Carolina	11.26	12.26	10.20
South Dakota	10.01	9.17	8.00
Tennessee	9.65	9.10	8.34
Texas	10.08	8.56	8.24
Utah	9.99	8.97	8.55
Vermont	13.59	12.95	13.27
Virginia	11.57	10.45	10.16
Washington	10.29	10.80	10.81
West Virginia	9.41	9.32	9.22
Wisconsin	13.82	9.62	8.83
Wyoming	8.57	7.95	7.91
Total	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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	9.75	10.66	11.47	9.70	9.81	11.03	10.73
Alaska	7.21	8.37	9.11	7.24	7.18	7.80	7.39
Arizona	9.10	11.17	9.11	9.32	8.93	10.53	9.17
Arkansas	6.94	8.47	7.26	6.74	7.16	8.08	7.29
California	8.18	8.71	8.95	8.43	7.98	7.98	8.23
Colorado	5.85	7.59	7.44	5.94	5.79	NA	6.18
Connecticut	NA	8.18	9.19	7.26	NA	8.56	8.18
Delaware	8.66	10.15	10.87	8.58	8.75	10.70	9.15
District of Columbia	9.38	11.19	12.09	9.30	9.50	11.55	10.01
Florida	10.66	10.96	10.97	10.62	10.70	10.74	10.89
Georgia	6.79	8.21	9.19	7.05	6.57	8.49	7.80
Hawaii	23.92	28.11	38.45	23.66	24.18	31.17	28.72
Idaho	7.13	7.75	7.66	7.19	7.08	7.61	7.12
Illinois	5.68	6.47	7.12	5.86	5.52	7.26	6.02
Indiana	5.40	7.14	7.53	5.58	5.26	7.58	6.16
Iowa	5.36	6.41	7.94	5.39	5.35	6.49	5.72
Kansas	6.84	8.37	8.62	7.11	6.63	8.83	7.08
Kentucky	6.55	8.28	8.06	6.37	6.72	8.80	7.72
Louisiana	7.87	8.50	8.89	7.71	8.04	7.93	7.87
Maine	11.26	16.51	14.73	11.16	11.36	14.40	11.30
Maryland	NA	9.80	10.06	8.18	NA	10.00	10.44
Massachusetts	9.42	12.32	11.96	9.49	9.34	NA	10.00
Michigan	6.57	7.58	7.75	6.64	6.50	7.49	6.59
Minnesota	6.32	7.50	8.28	6.08	6.53	7.30	6.10
Mississippi	7.76	7.93	7.94	7.58	7.96	7.86	8.06
Missouri	6.98	8.72	7.73	6.92	7.06	9.10	7.84
Montana	6.82	8.05	7.95	6.88	6.77	7.82	6.59
Nebraska	5.48	7.48	6.78	5.51	5.46	6.54	5.34
Nevada	7.40	8.69	7.30	7.48	7.34	8.66	7.37
New Hampshire	10.93	14.89	14.09	10.47	11.46	13.63	12.39
New Jersey	7.71	8.90	10.43	7.66	7.76	8.52	8.24
New Mexico	5.07	6.30	7.17	5.05	5.08	NA	5.28
New York	6.59	7.37	8.79	6.58	6.59	6.89	6.82
North Carolina	6.79	7.81	8.69	6.97	6.64	NA	NA
North Dakota	5.24	7.18	6.96	5.22	5.26	NA	5.23
Ohio	5.31	6.56	7.33	5.30	5.32	6.62	5.53
Oklahoma	5.47	7.06	6.35	5.48	5.45	8.22	6.14
Oregon	9.01	10.09	8.80	9.25	8.84	NA	9.09
Pennsylvania	7.31	9.34	9.46	7.44	7.19	NA	8.13
Rhode Island	10.22	11.15	11.51	10.10	10.37	11.97	10.96
South Carolina	7.87	8.43	9.79	8.05	7.72	8.37	10.06
South Dakota	5.12	6.29	7.56	5.31	4.99	6.11	5.29
Tennessee	6.97	8.40	8.50	7.00	6.93	8.46	8.33
Texas	5.84	NA	7.34	5.77	5.90	NA	6.52
Utah	7.50	8.44	7.40	7.55	7.46	7.97	7.53
Vermont	7.07	8.93	10.18	7.00	7.14	NA	7.37
Virginia	6.77	8.08	8.45	6.67	6.88	8.11	7.93
Washington	8.07	9.55	9.09	8.38	7.85	9.14	7.80
West Virginia	7.24	8.89	8.37	7.31	7.18	9.15	7.64
Wisconsin	6.63	7.32	8.04	6.35	6.86	NA	6.12
Wyoming	6.19	NA	7.00	6.23	6.16	NA	6.19
Total	6.78	7.99	8.39	6.82	6.74	7.89	7.21

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						
	November	October	September	August	July	June	May
Alabama	11.47	11.40	11.75	11.93	11.89	11.70	11.52
Alaska	7.43	7.67	7.03	7.89	7.74	8.20	7.62
Arizona	9.36	10.14	10.40	10.52	10.67	10.83	10.76
Arkansas	7.86	7.71	8.00	8.19	8.09	8.20	7.89
California	7.20	7.69	7.84	7.87	7.68	7.66	6.98
Colorado	6.49	7.83	9.19	9.33	9.41	NA	NA
Connecticut	8.48	9.53	10.53	9.52	9.29	10.09	9.43
Delaware	10.82	12.54	13.93	13.86	13.35	12.71	11.90
District of Columbia	11.28	11.68	11.50	11.17	11.15	11.73	12.32
Florida	10.69	10.61	11.15	10.91	10.92	10.88	9.83
Georgia	9.72	8.65	9.38	9.07	9.08	9.02	8.61
Hawaii	28.13	27.06	28.60	30.45	36.02	38.76	36.86
Idaho	6.93	7.65	8.00	8.12	8.41	7.99	7.93
Illinois	6.63	8.21	11.81	12.68	11.48	11.62	10.05
Indiana	6.05	6.18	8.02	10.62	10.56	11.15	10.27
Iowa	6.39	5.99	8.14	8.95	8.45	7.33	6.50
Kansas	7.25	9.39	12.47	11.98	12.42	12.44	10.80
Kentucky	8.63	9.42	10.55	11.34	11.98	11.54	10.94
Louisiana	7.66	7.63	7.61	7.72	7.73	7.69	7.52
Maine	10.48	8.63	11.47	12.29	12.17	11.42	13.23
Maryland	9.56	9.98	11.11	11.61	10.98	11.74	11.50
Massachusetts	8.57	NA	8.52	9.00	8.94	8.34	10.25
Michigan	6.75	7.46	9.05	9.17	9.31	8.91	7.90
Minnesota	6.20	6.43	7.72	8.03	8.17	8.86	7.34
Mississippi	7.98	7.81	7.84	7.68	7.79	7.83	7.83
Missouri	9.86	11.01	10.71	11.85	11.87	11.13	10.34
Montana	7.05	8.22	9.37	9.44	9.42	8.81	7.97
Nebraska	5.67	5.91	6.43	6.25	6.03	5.51	5.54
Nevada	7.82	8.58	9.10	9.07	9.45	9.64	9.64
New Hampshire	11.15	12.30	14.76	14.78	13.74	12.55	12.26
New Jersey	8.66	8.10	8.03	8.78	8.66	8.35	7.86
New Mexico	NA	7.67	7.65	7.65	7.52	6.77	6.89
New York	6.33	6.27	5.99	5.75	6.08	6.84	6.68
North Carolina	8.45	8.01	9.30	NA	9.38	9.81	8.47
North Dakota	5.68	NA	7.91	8.86	8.73	8.36	6.66
Ohio	6.03	6.79	7.99	8.02	8.14	7.82	7.17
Oklahoma	10.78	14.21	14.85	15.18	13.62	12.76	11.37
Oregon	8.39	10.18	10.13	11.12	10.76	NA	10.77
Pennsylvania	8.27	NA	11.10	11.21	12.09	11.25	10.73
Rhode Island	12.87	15.74	17.11	17.00	16.62	15.39	13.01
South Carolina	8.35	7.97	8.28	8.04	8.33	8.38	7.94
South Dakota	5.27	5.68	7.07	7.15	7.35	6.79	6.34
Tennessee	8.72	8.92	9.37	9.86	9.34	9.03	9.04
Texas	7.24	7.66	7.71	7.63	7.50	6.53	6.85
Utah	7.33	7.33	7.29	7.30	7.26	7.38	7.48
Vermont	6.65	6.20	6.97	NA	6.10	6.78	8.53
Virginia	7.57	8.02	8.91	8.58	8.55	9.12	9.06
Washington	8.35	9.32	9.42	10.04	9.80	9.58	9.46
West Virginia	7.94	9.96	11.49	11.90	11.49	12.45	10.71
Wisconsin	6.34	5.37	6.18	6.44	6.42	6.73	5.53
Wyoming	6.65	7.36	7.80	7.55	7.74	7.89	7.66
Total	7.38	7.74	8.37	8.45	8.45	8.50	8.04

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		
	April	March	February	January	Total	December	November
Alabama	11.55	10.48	10.60	10.74	11.92	11.19	11.51
Alaska	7.79	7.97	8.23	8.48	8.30	8.27	8.51
Arizona	10.84	11.40	11.75	10.72	10.34	11.12	10.95
Arkansas	7.75	8.02	8.51	8.42	7.88	8.28	8.52
California	7.83	8.64	8.52	8.89	9.05	9.26	8.50
Colorado	7.18	7.87	7.48	7.70	8.15	7.82	7.92
Connecticut	8.53	7.57	7.83	8.56	10.24	9.13	9.19
Delaware	10.60	10.26	10.11	10.19	11.42	10.54	11.92
District of Columbia	12.30	12.47	10.81	11.65	12.18	11.84	11.99
Florida	10.46	10.56	10.90	11.02	11.38	10.80	11.28
Georgia	8.60	7.96	8.07	8.36	9.86	9.04	8.79
Hawaii	32.56	31.08	30.83	25.72	40.42	29.74	36.64
Idaho	7.94	7.95	7.79	7.73	7.70	7.61	7.60
Illinois	7.65	6.80	6.14	6.81	8.86	7.76	7.14
Indiana	8.86	8.49	6.85	7.46	8.19	8.02	6.61
Iowa	6.25	6.47	6.25	6.58	8.15	7.50	6.96
Kansas	10.20	8.98	7.98	8.69	9.53	8.42	9.56
Kentucky	10.06	8.00	8.23	8.33	9.04	8.73	8.91
Louisiana	7.62	7.93	8.40	8.60	9.01	8.77	8.57
Maine	15.66	16.18	16.31	16.74	15.13	17.75	14.52
Maryland	9.53	9.41	9.58	10.03	10.52	10.57	9.37
Massachusetts	11.22	10.59	12.00	12.71	12.48	13.00	12.29
Michigan	7.26	7.34	7.51	7.67	8.28	7.95	7.93
Minnesota	7.54	8.33	7.15	7.86	8.66	8.50	8.04
Mississippi	7.96	7.63	7.84	8.01	8.36	8.27	8.49
Missouri	9.30	8.15	8.67	8.76	8.96	9.14	10.31
Montana	7.93	7.74	7.94	8.13	8.77	8.04	8.19
Nebraska	6.38	6.67	7.09	7.82	7.27	7.26	6.98
Nevada	9.24	8.94	8.82	8.60	8.21	8.58	8.98
New Hampshire	12.85	13.46	14.33	15.54	14.96	14.50	13.47
New Jersey	7.33	8.57	8.76	9.07	10.08	9.29	9.46
New Mexico	6.16	5.78	5.91	6.63	7.87	7.28	7.73
New York	7.27	7.14	7.21	7.56	8.31	7.60	7.32
North Carolina	8.32	NA	7.31	8.33	9.12	9.47	8.73
North Dakota	6.63	6.84	6.86	7.50	7.74	7.64	7.43
Ohio	6.64	6.45	6.44	6.69	7.82	7.04	7.26
Oklahoma	9.31	6.68	7.09	7.03	8.26	7.06	10.47
Oregon	9.71	10.60	10.30	9.94	9.44	10.05	9.43
Pennsylvania	10.04	9.18	9.34	9.34	10.13	9.68	9.38
Rhode Island	11.71	11.12	11.10	11.22	12.89	11.21	14.68
South Carolina	8.26	7.75	8.04	8.83	9.55	9.94	8.71
South Dakota	6.25	6.43	6.21	6.37	7.65	6.92	6.85
Tennessee	8.69	7.34	8.21	8.59	9.30	8.90	9.15
Texas	6.62	NA	NA	7.40	8.26	7.98	8.12
Utah	8.18	8.51	8.77	8.23	7.71	8.41	7.99
Vermont	9.02	8.88	8.94	8.93	9.13	8.68	8.64
Virginia	8.17	7.62	7.64	8.57	9.17	8.90	8.46
Washington	9.40	9.37	9.57	9.53	9.03	9.28	9.27
West Virginia	9.54	8.97	8.89	8.88	8.92	9.06	9.21
Wisconsin	NA	7.05	7.26	7.37	8.74	8.22	7.61
Wyoming	7.79	7.83	8.03	NA	7.69	7.95	8.08
Total	7.99	7.79	7.83	8.15	8.90	8.52	8.29

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
	October	September	August	July	June	May	April
Alabama	12.55	13.20	13.05	13.08	13.18	12.88	12.22
Alaska	8.74	8.74	9.29	9.18	8.74	6.71	6.47
Arizona	11.47	11.45	11.10	10.77	10.66	10.29	10.05
Arkansas	8.39	9.08	9.48	9.45	9.24	8.79	8.01
California	8.88	8.72	8.73	9.25	8.82	8.98	9.12
Colorado	8.48	10.45	10.96	11.01	9.72	8.72	8.43
Connecticut	11.48	11.13	10.84	11.21	12.70	12.50	12.25
Delaware	13.94	14.36	14.60	14.28	13.56	12.25	11.24
District of Columbia	11.22	11.96	11.63	13.27	13.05	12.97	12.13
Florida	11.27	11.77	11.93	12.18	11.73	11.59	11.50
Georgia	11.49	11.30	11.50	11.73	12.13	10.80	10.38
Hawaii	36.33	42.06	44.41	42.89	46.09	45.08	43.00
Idaho	7.68	7.71	7.89	7.62	7.74	7.94	7.85
Illinois	8.68	11.71	14.66	15.16	14.85	13.01	12.84
Indiana	7.21	8.28	9.93	10.43	11.38	11.73	10.13
Iowa	7.14	9.68	10.53	10.36	10.72	9.23	7.45
Kansas	12.62	13.62	13.93	14.12	13.30	11.30	10.59
Kentucky	11.03	12.46	12.73	12.61	12.77	11.80	9.37
Louisiana	8.74	9.00	8.66	9.37	9.33	9.59	9.28
Maine	13.71	14.42	14.98	14.79	14.61	15.13	14.97
Maryland	10.79	12.06	11.10	12.02	11.60	12.39	11.20
Massachusetts	9.98	11.68	12.01	11.86	11.84	12.40	13.81
Michigan	8.68	9.79	10.14	10.26	9.70	8.90	8.39
Minnesota	8.37	8.70	8.65	9.55	9.56	8.40	9.56
Mississippi	8.97	8.08	8.50	8.73	8.86	9.17	8.62
Missouri	11.24	12.43	12.64	12.73	11.98	10.33	9.10
Montana	9.46	9.94	11.11	11.50	11.50	10.49	9.56
Nebraska	7.02	6.86	7.48	7.63	7.01	7.84	8.01
Nevada	9.32	9.22	9.60	9.20	8.34	8.20	7.87
New Hampshire	13.37	16.05	16.56	16.23	14.83	15.66	16.91
New Jersey	9.51	9.59	9.67	10.30	9.98	9.41	9.45
New Mexico	8.56	8.78	9.03	9.19	8.84	8.29	8.49
New York	7.20	7.15	7.21	7.71	7.91	8.75	8.95
North Carolina	9.81	9.62	10.30	10.63	10.08	9.93	9.67
North Dakota	8.00	8.44	9.08	9.83	9.29	8.05	8.43
Ohio	9.13	8.85	10.04	10.31	10.28	8.72	8.08
Oklahoma	15.78	16.47	15.90	16.22	15.92	12.52	9.45
Oregon	9.87	9.79	9.77	10.00	10.02	9.88	9.56
Pennsylvania	10.57	12.33	12.90	13.07	12.96	11.53	10.82
Rhode Island	18.23	18.89	19.81	20.53	18.82	14.84	12.72
South Carolina	9.46	9.53	8.84	10.06	9.70	9.64	9.64
South Dakota	7.81	8.06	8.68	8.95	8.47	7.65	7.24
Tennessee	10.57	10.67	10.62	11.17	10.94	10.62	10.18
Texas	8.72	8.68	9.02	9.24	9.30	9.38	9.00
Utah	8.04	8.06	8.22	8.00	7.47	6.75	7.59
Vermont	8.52	8.01	7.76	8.01	8.16	8.36	8.67
Virginia	10.35	10.66	10.73	11.06	10.84	10.03	9.58
Washington	8.95	9.13	9.23	9.17	8.95	8.85	8.66
West Virginia	9.34	9.99	10.80	10.50	11.20	10.34	8.91
Wisconsin	6.61	7.72	7.50	8.59	9.45	10.83	9.85
Wyoming	8.38	9.19	9.30	9.09	8.26	7.66	7.79
Total	8.96	9.38	9.66	10.05	9.94	9.70	9.49

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		
	March	February	January
Alabama	11.70	11.50	11.44
Alaska	6.98	9.15	9.07
Arizona	10.15	9.55	8.74
Arkansas	7.23	7.20	7.32
California	10.09	9.10	8.81
Colorado	7.78	7.50	7.39
Connecticut	10.25	9.82	8.50
Delaware	10.65	10.86	10.88
District of Columbia	12.31	12.48	11.60
Florida	11.29	10.96	10.98
Georgia	9.88	9.52	8.94
Hawaii	42.22	37.96	38.89
Idaho	7.85	7.65	7.66
Illinois	10.49	7.45	6.83
Indiana	9.25	7.79	7.30
Iowa	9.40	8.55	7.39
Kansas	9.09	8.85	8.38
Kentucky	8.28	8.07	8.06
Louisiana	9.24	9.08	8.70
Maine	14.76	14.82	14.66
Maryland	10.45	10.48	9.67
Massachusetts	13.26	12.08	11.83
Michigan	8.85	8.05	7.47
Minnesota	9.63	8.75	7.84
Mississippi	8.56	8.06	7.81
Missouri	7.98	7.57	7.89
Montana	8.64	8.09	7.81
Nebraska	7.95	7.02	6.59
Nevada	7.71	7.43	7.19
New Hampshire	15.60	14.97	13.26
New Jersey	11.06	10.98	9.85
New Mexico	8.25	7.53	6.84
New York	9.22	9.25	8.31
North Carolina	8.08	8.96	8.51
North Dakota	8.55	7.35	6.60
Ohio	7.71	7.73	6.92
Oklahoma	7.23	6.62	6.09
Oregon	9.44	8.63	8.94
Pennsylvania	10.18	9.59	9.33
Rhode Island	11.56	11.57	11.45
South Carolina	9.30	10.41	9.32
South Dakota	8.91	8.24	6.94
Tennessee	9.09	8.94	8.10
Texas	8.49	7.44	7.23
Utah	8.13	7.54	7.28
Vermont	10.33	11.24	9.21
Virginia	9.33	8.49	8.40
Washington	8.71	9.09	9.09
West Virginia	8.41	8.43	8.32
Wisconsin	11.88	8.46	7.69
Wyoming	7.46	7.03	6.96
Total	9.34	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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	3.54	4.63	6.23	3.55	3.54	3.94	3.48
Alaska	7.46	7.34	8.54	7.46	7.46	7.21	7.24
Arizona	6.42	7.41	6.89	6.25	6.57	NA	6.43
Arkansas	5.96	7.93	6.61	5.92	6.01	6.97	5.67
California	6.76	7.10	7.58	6.94	6.60	6.35	6.92
Colorado	4.31	5.98	6.46	4.47	4.19	NA	4.46
Connecticut	5.91	7.22	8.36	5.71	6.10	6.37	6.60
Delaware	8.05	10.11	10.27	7.98	8.14	NA	8.32
District of Columbia	--	--	--	--	--	--	--
Florida	6.22	7.69	7.02	6.11	6.36	NA	NA
Georgia	3.80	5.01	6.76	4.01	3.57	NA	3.74
Hawaii	15.34	19.21	26.88	14.45	16.17	18.81	14.88
Idaho	5.43	6.15	6.17	5.46	5.41	5.82	5.39
Illinois	4.24	5.45	6.66	4.37	4.13	5.36	4.54
Indiana	4.53	6.97	7.38	4.81	4.31	6.29	4.74
Iowa	NA	5.84	7.76	NA	5.18	NA	4.50
Kansas	6.59	6.53	7.36	6.37	6.88	4.37	5.79
Kentucky	3.72	5.23	6.44	3.64	3.79	4.36	3.58
Louisiana	2.53	3.31	5.32	2.43	2.63	2.90	2.35
Maine	8.49	15.21	11.96	8.52	8.46	NA	8.50
Maryland	8.45	9.85	9.89	8.53	8.37	NA	10.84
Massachusetts	8.41	11.42	11.44	8.50	8.32	9.34	9.02
Michigan	5.88	7.02	7.67	5.98	5.79	6.59	5.77
Minnesota	4.35	5.96	6.30	4.28	4.43	4.95	4.31
Mississippi	4.42	5.75	6.33	4.39	4.45	4.69	4.12
Missouri	NA	7.94	7.48	NA	NA	7.75	7.07
Montana	5.97	7.68	7.20	6.27	5.71	6.45	5.47
Nebraska	4.40	4.65	4.94	4.35	4.45	4.61	4.85
Nevada	6.58	8.11	7.06	6.67	6.52	NA	6.64
New Hampshire	7.30	10.40	9.91	7.03	7.53	8.10	7.74
New Jersey	7.19	8.96	10.88	7.10	7.31	NA	7.92
New Mexico	NA	5.91	6.35	NA	5.69	4.95	4.56
New York	6.50	7.32	8.35	6.51	6.49	NA	6.36
North Carolina	5.38	6.57	7.82	5.51	5.25	6.03	5.70
North Dakota	2.59	3.89	6.21	2.83	2.43	3.14	2.88
Ohio	5.21	6.38	6.72	5.11	5.31	NA	5.55
Oklahoma	6.72	7.35	6.50	5.25	9.63	NA	6.04
Oregon	5.54	6.80	5.98	5.59	5.50	6.38	5.59
Pennsylvania	7.43	9.51	9.73	7.31	7.58	9.21	8.18
Rhode Island	8.52	9.06	8.82	8.44	8.61	9.26	8.22
South Carolina	4.52	5.53	7.16	4.22	4.84	4.39	4.01
South Dakota	4.19	5.39	6.57	4.02	4.34	4.98	4.25
Tennessee	4.55	5.67	6.76	4.59	4.52	4.89	4.45
Texas	2.39	3.25	5.14	2.37	2.40	2.90	2.39
Utah	6.21	6.65	5.95	6.40	6.04	5.89	5.98
Vermont	5.16	5.95	6.91	5.17	5.14	5.50	5.81
Virginia	4.38	NA	6.23	4.23	4.53	NA	4.49
Washington	7.46	9.17	8.59	7.66	7.31	8.71	7.27
West Virginia	3.08	4.80	4.92	3.20	2.95	NA	3.51
Wisconsin	5.62	6.72	7.65	5.46	5.75	NA	5.43
Wyoming	3.90	5.60	5.42	3.83	3.97	NA	NA
Total	3.51	4.68	6.09	3.54	3.49	3.84	3.38

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
	November	October	September	August	July	June	May
Alabama	3.33	3.48	3.68	3.91	3.82	3.94	3.56
Alaska	7.17	7.17	7.17	7.17	7.17	7.17	7.21
Arizona	6.35	6.36	6.62	NA	6.80	6.91	6.59
Arkansas	6.02	6.46	6.47	6.62	6.71	6.50	6.45
California	5.77	5.88	6.09	6.07	6.02	6.23	5.46
Colorado	5.14	5.95	6.11	6.53	7.28	6.47	5.24
Connecticut	5.87	5.76	6.59	5.66	5.88	6.03	6.20
Delaware	9.62	11.15	11.40	11.38	8.82	NA	9.78
District of Columbia	--	--	--	--	--	--	--
Florida	6.20	6.29	6.08	6.02	6.69	5.76	5.87
Georgia	3.65	4.02	4.15	4.25	4.06	4.28	NA
Hawaii	17.47	17.77	18.87	19.06	21.32	20.69	19.45
Idaho	4.92	5.77	5.93	6.08	6.09	5.84	5.86
Illinois	4.48	5.24	6.00	5.82	6.32	5.91	5.53
Indiana	4.36	4.23	5.15	5.79	6.22	5.64	6.07
Iowa	5.14	4.46	NA	5.00	5.32	4.66	4.65
Kansas	4.76	4.31	4.02	4.07	4.12	4.21	4.30
Kentucky	3.44	3.78	3.86	4.05	4.24	4.51	4.19
Louisiana	2.27	2.72	2.93	3.15	3.06	3.07	2.84
Maine	8.20	4.56	4.72	4.81	4.68	NA	5.50
Maryland	10.90	9.53	8.76	7.97	NA	12.71	10.17
Massachusetts	7.41	5.59	6.34	7.08	6.64	6.99	8.85
Michigan	5.70	6.33	6.66	6.86	6.44	6.78	6.58
Minnesota	4.20	4.31	4.23	4.76	4.59	4.70	4.26
Mississippi	4.26	4.21	4.46	3.95	4.49	4.30	4.40
Missouri	7.12	7.33	8.14	7.45	8.06	7.69	7.50
Montana	6.09	5.79	6.91	5.86	6.33	4.83	6.41
Nebraska	4.09	4.15	4.32	4.38	4.31	3.87	4.18
Nevada	NA	8.66	8.63	8.21	8.76	9.24	9.11
New Hampshire	5.91	4.30	4.00	4.75	4.81	5.62	6.52
New Jersey	7.46	7.72	8.75	9.21	8.62	8.56	NA
New Mexico	4.93	5.03	5.03	4.93	4.86	4.76	4.40
New York	6.10	5.66	5.91	5.41	5.95	6.19	NA
North Carolina	5.57	5.86	5.96	5.70	5.78	5.67	5.51
North Dakota	2.58	2.76	2.81	2.96	3.12	2.90	2.82
Ohio	5.64	6.68	NA	7.26	6.43	8.63	6.81
Oklahoma	7.72	9.67	NA	8.56	NA	8.75	6.16
Oregon	5.67	6.51	6.47	6.49	6.39	6.34	6.38
Pennsylvania	9.10	9.59	10.34	11.12	10.81	10.96	10.30
Rhode Island	9.48	9.92	9.79	10.09	9.61	9.38	9.75
South Carolina	3.86	4.03	4.13	4.46	4.22	4.31	3.96
South Dakota	4.25	4.78	5.63	5.34	5.33	4.79	5.13
Tennessee	4.34	4.32	4.49	4.65	4.66	4.76	4.69
Texas	2.29	2.78	2.96	3.14	3.08	3.05	2.82
Utah	5.31	5.21	5.27	5.29	5.17	5.69	5.90
Vermont	5.42	5.58	4.65	4.53	5.90	5.17	5.23
Virginia	3.95	4.22	4.86	5.41	4.81	5.08	5.34
Washington	7.87	8.48	8.87	8.94	9.45	9.11	8.97
West Virginia	NA	4.37	4.34	4.39	4.38	4.32	4.29
Wisconsin	5.37	4.69	4.56	4.91	4.54	5.07	4.42
Wyoming	5.06	4.93	4.85	4.85	4.72	5.30	5.12
Total	3.18	3.45	3.58	3.73	3.67	3.69	3.49

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		
	April	March	February	January	Total	December	November
Alabama	3.99	4.53	4.78	4.50	5.49	5.25	5.24
Alaska	7.13	7.14	7.35	7.33	7.97	7.76	7.73
Arizona	7.01	7.19	7.55	7.30	7.52	7.68	7.64
Arkansas	6.87	7.74	7.94	7.92	6.99	7.51	7.45
California	6.39	6.83	6.71	7.60	7.65	7.67	6.89
Colorado	NA	6.10	6.05	5.91	6.84	6.22	6.51
Connecticut	6.79	5.83	6.54	7.91	8.07	8.41	7.46
Delaware	9.56	10.20	10.25	9.91	10.95	9.65	10.71
District of Columbia	--	--	--	--	--	--	--
Florida	6.04	6.52	7.11	8.38	6.89	6.48	6.64
Georgia	4.30	4.86	4.83	5.17	6.07	5.94	5.54
Hawaii	19.17	18.44	18.11	20.01	26.75	23.01	24.67
Idaho	5.92	6.01	6.14	6.15	5.96	6.11	5.38
Illinois	5.67	5.60	5.02	5.88	7.75	6.64	6.11
Indiana	9.05	7.11	6.62	7.44	7.45	7.36	5.31
Iowa	NA	5.54	5.51	6.25	7.40	6.73	6.33
Kansas	4.57	5.93	6.00	7.20	5.70	6.37	5.72
Kentucky	4.42	5.11	5.11	5.35	5.80	5.80	5.25
Louisiana	2.85	3.14	3.17	3.43	4.68	4.29	4.18
Maine	14.71	15.12	15.22	15.21	11.93	14.34	13.61
Maryland	8.08	8.81	9.64	10.06	9.94	11.02	9.45
Massachusetts	9.80	9.73	11.00	11.90	11.53	11.98	11.28
Michigan	6.21	6.70	6.98	7.06	7.84	7.41	7.27
Minnesota	4.62	5.91	5.93	5.99	6.57	6.56	5.66
Mississippi	4.69	5.80	5.42	6.08	6.15	6.26	6.03
Missouri	8.13	7.97	7.82	8.06	8.00	8.36	8.25
Montana	6.91	7.16	7.29	8.08	7.99	7.64	7.84
Nebraska	5.60	5.45	4.39	4.90	5.69	6.43	5.95
Nevada	8.76	8.37	8.31	7.99	7.83	7.84	8.31
New Hampshire	8.54	9.49	9.79	11.08	9.46	8.74	7.31
New Jersey	8.28	8.22	8.69	9.27	10.45	9.99	10.22
New Mexico	4.85	5.28	5.43	6.26	6.45	6.33	6.40
New York	7.55	7.32	7.15	7.54	8.13	7.19	7.03
North Carolina	5.93	6.50	6.28	6.86	7.55	7.42	7.02
North Dakota	3.02	3.78	3.87	3.92	5.61	5.50	4.90
Ohio	6.29	6.23	6.48	6.27	7.06	6.95	7.07
Oklahoma	9.19	6.42	7.23	7.44	8.27	5.12	8.60
Oregon	6.34	6.75	6.82	6.79	6.20	6.73	6.65
Pennsylvania	8.86	8.43	9.62	9.39	9.95	8.92	9.16
Rhode Island	9.20	9.00	9.01	9.12	10.27	9.28	10.76
South Carolina	4.11	4.68	5.65	5.45	6.13	6.07	5.58
South Dakota	5.05	4.95	5.14	5.63	6.88	5.94	5.71
Tennessee	4.84	5.52	5.58	5.78	6.31	6.37	5.76
Texas	2.88	3.01	3.11	3.38	4.71	4.51	3.98
Utah	6.47	6.68	6.70	6.61	5.83	6.49	5.65
Vermont	5.29	5.98	6.25	5.70	6.63	6.37	5.90
Virginia	5.16	5.31	NA	5.77	6.43	6.29	6.16
Washington	9.28	8.73	9.21	9.14	8.55	9.06	8.73
West Virginia	4.48	4.74	4.58	5.15	5.00	5.00	5.24
Wisconsin	NA	6.40	6.66	6.78	8.08	7.59	6.98
Wyoming	5.47	5.28	5.51	5.80	5.89	5.00	5.74
Total	3.86	4.35	4.60	4.76	5.55	5.54	4.97

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						
	October	September	August	July	June	May	April
Alabama	4.75	4.82	4.74	4.99	5.72	6.10	5.82
Alaska	7.87	8.01	7.84	8.10	7.85	7.84	7.82
Arizona	8.12	8.06	7.46	7.59	7.60	7.55	7.36
Arkansas	7.31	7.15	7.25	7.12	7.02	7.11	6.92
California	7.22	7.35	7.38	7.84	7.65	7.71	8.24
Colorado	7.16	7.58	8.05	7.70	7.75	7.22	6.94
Connecticut	7.23	7.39	7.02	7.25	7.89	8.93	8.83
Delaware	11.91	12.25	11.58	10.43	11.53	10.88	10.81
District of Columbia	--	--	--	--	--	--	--
Florida	6.91	6.41	7.16	7.29	6.90	7.23	6.86
Georgia	5.57	5.57	5.39	6.14	6.34	6.23	6.00
Hawaii	26.68	28.07	28.68	27.40	28.06	27.22	26.96
Idaho	5.93	5.67	6.01	5.63	6.14	5.72	5.88
Illinois	6.32	7.72	11.94	10.61	9.49	10.08	11.32
Indiana	6.02	6.38	7.53	8.65	6.80	7.82	9.05
Iowa	6.50	7.61	7.80	7.41	8.44	7.58	7.71
Kansas	5.60	5.11	5.17	5.62	5.69	5.81	6.39
Kentucky	5.50	5.51	5.19	5.54	5.76	5.88	5.70
Louisiana	4.21	4.19	4.08	4.53	4.88	4.97	4.84
Maine	9.01	8.74	9.69	10.53	10.30	11.01	13.58
Maryland	10.41	11.20	11.04	11.73	10.14	12.22	9.76
Massachusetts	8.45	9.50	9.88	10.32	10.21	11.59	13.53
Michigan	7.60	7.98	8.11	8.61	8.14	8.02	7.44
Minnesota	6.09	6.01	5.57	6.14	6.09	6.28	6.22
Mississippi	6.08	5.70	6.18	6.93	6.86	6.30	5.58
Missouri	7.99	8.02	8.11	8.38	8.39	8.49	8.43
Montana	7.36	7.83	10.01	10.23	9.58	10.34	9.35
Nebraska	5.98	6.18	5.98	5.96	4.87	5.36	6.26
Nevada	8.54	8.48	8.86	8.60	7.66	7.52	7.39
New Hampshire	6.25	7.76	8.62	8.60	9.90	11.13	12.00
New Jersey	8.33	10.27	11.68	10.88	10.41	9.25	9.93
New Mexico	6.56	6.23	6.32	6.51	6.52	6.31	6.74
New York	6.71	6.75	7.48	7.93	8.10	8.66	8.68
North Carolina	7.66	7.64	7.51	7.31	7.35	7.72	7.54
North Dakota	4.44	5.68	4.11	4.43	4.57	4.76	5.00
Ohio	7.30	8.10	7.18	7.03	8.56	8.11	7.36
Oklahoma	14.42	11.01	9.74	8.88	22.67	15.02	7.97
Oregon	6.13	6.34	6.35	6.16	6.09	6.01	6.02
Pennsylvania	11.22	10.46	10.82	10.15	10.70	10.32	9.89
Rhode Island	11.94	11.41	11.53	12.68	10.71	11.39	9.42
South Carolina	5.38	5.45	5.24	5.89	6.15	6.32	6.24
South Dakota	6.70	7.08	7.55	7.59	7.25	6.79	7.83
Tennessee	5.68	5.54	5.55	6.04	6.41	6.61	6.63
Texas	4.26	4.36	4.37	4.91	4.82	5.03	4.87
Utah	5.49	5.51	5.72	5.78	5.50	5.45	6.26
Vermont	5.86	5.58	5.48	5.97	6.42	6.10	6.10
Virginia	6.48	6.33	6.27	6.74	6.45	6.59	6.84
Washington	8.38	8.42	8.44	8.49	8.44	8.36	8.26
West Virginia	5.13	5.27	5.13	5.35	4.58	4.50	4.69
Wisconsin	6.30	6.93	6.52	7.37	6.72	10.57	8.98
Wyoming	5.30	5.74	6.15	6.01	6.08	6.08	7.04
Total	4.97	4.96	4.90	5.36	5.42	5.69	5.78

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		
	March	February	January
Alabama	5.54	6.77	5.75
Alaska	7.86	8.41	8.66
Arizona	7.61	7.57	6.28
Arkansas	6.46	6.50	6.74
California	8.86	7.65	7.50
Colorado	7.00	6.67	6.28
Connecticut	8.62	8.91	7.86
Delaware	10.18	10.20	10.35
District of Columbia	--	--	--
Florida	6.90	6.57	7.66
Georgia	6.55	7.25	6.27
Hawaii	26.47	27.21	26.63
Idaho	6.58	6.17	6.17
Illinois	9.26	7.00	6.33
Indiana	10.01	7.10	7.78
Iowa	8.65	8.55	7.02
Kansas	7.76	7.77	6.97
Kentucky	6.23	7.02	5.88
Louisiana	5.16	5.95	4.74
Maine	13.86	12.73	11.37
Maryland	8.67	10.46	9.34
Massachusetts	13.08	11.68	11.19
Michigan	8.87	8.19	7.08
Minnesota	10.04	7.01	5.69
Mississippi	5.62	6.30	6.38
Missouri	7.95	7.39	7.58
Montana	8.61	7.22	7.17
Nebraska	6.18	4.51	5.37
Nevada	7.64	7.28	6.89
New Hampshire	10.57	10.26	9.64
New Jersey	10.82	11.70	10.06
New Mexico	6.99	6.76	6.08
New York	9.38	8.64	8.01
North Carolina	7.58	8.02	7.62
North Dakota	9.44	7.48	5.07
Ohio	6.91	7.37	6.11
Oklahoma	10.16	6.30	6.68
Oregon	5.97	5.96	6.00
Pennsylvania	11.17	9.47	10.02
Rhode Island	9.09	8.87	8.76
South Carolina	6.76	7.40	6.87
South Dakota	8.55	6.97	6.10
Tennessee	6.98	7.15	6.42
Texas	5.05	5.69	4.64
Utah	6.36	6.05	5.84
Vermont	10.64	6.93	6.90
Virginia	6.85	6.48	5.97
Washington	8.51	8.55	8.63
West Virginia	5.03	5.19	4.56
Wisconsin	11.91	8.09	7.24
Wyoming	6.52	5.51	5.37
Total	6.39	6.58	5.62

^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		2015
	2-Month YTD	2-Month YTD	2-Month YTD	February	January	December
Alabama	W	W	5.51	W	2.95	3.06
Alaska	6.45	5.75	4.59	6.43	6.47	5.44
Arizona	W	W	6.66	W	W	3.43
Arkansas	W	W	W	W	W	W
California	2.98	3.83	6.02	2.85	3.08	3.39
Colorado	W	W	W	W	W	3.81
Connecticut	5.88	10.45	16.26	5.63	6.12	4.73
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	W	6.19	W	W	4.41
Georgia	W	W	W	W	3.05	3.27
Hawaii	--	--	--	--	--	--
Idaho	2.48	3.03	W	2.25	2.67	2.89
Illinois	W	W	W	W	W	W
Indiana	W	W	W	W	W	W
Iowa	2.77	4.84	14.32	2.57	2.96	3.23
Kansas	4.24	4.75	8.27	4.22	4.26	3.95
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	W	W	W	W	W	W
Maryland	4.89	W	W	5.64	3.59	4.06
Massachusetts	4.09	12.88	20.38	3.46	4.73	4.38
Michigan	2.51	3.86	10.06	2.37	2.66	3.21
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	--	--	--	--	--	--
Nebraska	3.14	4.48	11.41	2.81	3.52	3.97
Nevada	2.89	3.82	W	2.78	2.98	3.34
New Hampshire	W	W	W	W	W	W
New Jersey	2.92	7.77	11.66	2.82	3.00	2.96
New Mexico	2.75	3.44	5.84	2.57	2.91	3.21
New York	3.60	7.92	11.46	3.41	3.76	3.51
North Carolina	W	W	W	W	W	W
North Dakota	2.33	--	--	2.22	2.45	2.89
Ohio	2.10	3.12	6.03	2.00	2.20	2.42
Oklahoma	W	W	W	W	W	W
Oregon	W	3.20	W	W	W	W
Pennsylvania	2.52	6.07	15.25	2.33	2.70	2.52
Rhode Island	W	W	22.18	W	W	W
South Carolina	W	W	W	W	W	W
South Dakota	2.31	2.99	11.70	2.08	2.57	3.31
Tennessee	2.46	3.40	5.88	2.33	2.58	2.74
Texas	2.37	3.18	5.62	2.19	2.52	2.88
Utah	W	W	W	W	2.81	W
Vermont	--	--	--	--	--	--
Virginia	W	W	12.91	W	W	3.55
Washington	W	4.27	W	W	W	W
West Virginia	2.14	W	W	2.07	2.22	W
Wisconsin	W	W	W	W	W	W
Wyoming	--	--	--	7.69	13.31	5.18
Total	3.00	4.62	7.61	2.83	3.16	3.37

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						
	November	October	September	August	July	June	May
Alabama	W	2.78	3.07	3.13	3.25	3.17	3.26
Alaska	5.48	5.45	5.48	5.21	5.19	5.14	4.86
Arizona	W	W	W	3.47	3.54	3.47	3.73
Arkansas	W	W	W	W	W	W	W
California	2.94	3.18	3.29	3.52	3.53	3.51	3.44
Colorado	W	W	W	W	W	W	W
Connecticut	5.14	3.17	3.08	2.69	2.48	2.19	2.30
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.90	4.31	4.46	4.45	4.43	4.52	4.39
Georgia	2.64	2.85	3.31	3.36	3.40	3.38	3.57
Hawaii	--	--	--	--	--	--	--
Idaho	2.72	2.92	3.01	2.92	2.85	2.74	3.08
Illinois	W	W	3.12	W	W	3.04	W
Indiana	W	W	W	W	W	W	W
Iowa	5.06	2.89	2.98	3.12	3.06	3.07	3.18
Kansas	4.03	4.88	3.68	3.70	3.52	3.68	4.33
Kentucky	2.50	W	W	W	W	W	W
Louisiana	W	W	W	3.20	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	3.11	3.05	3.18	4.07	3.73	3.09	3.25
Massachusetts	3.62	4.31	4.14	3.08	2.57	3.18	3.16
Michigan	2.56	2.91	3.32	3.40	3.30	3.18	3.25
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	--	--	--	--	--	--	--
Nebraska	3.37	3.22	3.38	5.08	3.81	3.59	4.01
Nevada	2.85	3.24	3.30	3.38	3.43	3.43	3.21
New Hampshire	W	W	W	W	W	W	W
New Jersey	1.80	2.00	2.08	2.20	2.07	2.34	2.32
New Mexico	2.64	3.11	3.13	3.28	3.86	3.61	3.26
New York	2.69	2.60	2.51	2.61	2.56	2.71	2.76
North Carolina	W	W	W	W	W	W	W
North Dakota	2.08	2.67	3.09	3.03	2.87	2.70	2.71
Ohio	2.09	2.17	2.26	2.25	2.30	2.20	2.38
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.59	1.71	2.00	1.80	2.02	1.83	2.01
Rhode Island	3.50	3.74	2.78	2.42	2.40	1.96	2.15
South Carolina	W	W	W	W	W	W	W
South Dakota	2.92	2.90	3.31	4.23	3.78	3.53	3.06
Tennessee	2.31	2.47	2.61	2.71	2.74	2.75	2.28
Texas	2.30	2.66	2.88	3.01	3.03	2.98	3.02
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	2.82
Washington	W	W	W	W	W	W	W
West Virginia	1.90	W	W	1.94	2.07	2.48	2.41
Wisconsin	W	W	W	W	W	W	W
Wyoming	4.13	5.08	4.46	6.95	5.28	4.77	3.80
Total	2.78	3.03	3.19	3.22	3.23	3.24	3.28

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		
	April	March	February	January	Total	December	November
Alabama	W	W	W	W	4.74	W	W
Alaska	5.47	5.41	5.49	5.95	5.06	5.13	4.97
Arizona	W	W	W	W	5.30	W	4.88
Arkansas	W	W	W	W	W	W	W
California	3.34	3.50	3.73	3.91	5.23	4.70	4.86
Colorado	W	W	W	4.72	5.49	5.21	W
Connecticut	2.99	6.91	12.82	8.77	6.82	5.85	5.18
Delaware	--	--	--	--	W	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	4.78	W	5.58	W	W
Georgia	3.28	3.42	W	W	4.98	4.06	4.71
Hawaii	--	--	--	--	--	--	--
Idaho	3.05	16.18	--	3.03	W	5.44	4.95
Illinois	W	W	4.81	W	W	W	W
Indiana	W	W	W	W	W	W	W
Iowa	2.98	3.43	4.70	4.98	6.18	4.15	5.42
Kansas	4.32	4.06	4.50	5.25	5.65	4.65	5.47
Kentucky	W	W	W	W	W	W	W
Louisiana	W	W	W	W	4.74	4.15	W
Maine	W	W	W	W	W	W	W
Maryland	2.58	W	W	6.65	5.35	W	4.86
Massachusetts	3.36	8.64	13.60	12.21	6.66	9.13	5.68
Michigan	3.24	3.57	4.11	3.61	6.78	4.48	4.96
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	--	--
Nebraska	3.63	4.02	4.90	4.48	5.84	4.89	5.25
Nevada	3.27	3.45	3.54	4.10	W	W	W
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.43	3.67	9.88	5.80	4.83	3.94	4.13
New Mexico	3.03	3.09	3.11	3.71	4.93	4.00	4.51
New York	2.82	4.48	9.93	6.24	5.46	4.71	4.63
North Carolina	W	W	W	W	6.05	W	5.49
North Dakota	2.75	2.73	2.93	2.74	4.08	4.04	4.98
Ohio	2.23	2.75	3.31	2.92	4.31	3.65	3.80
Oklahoma	W	W	W	W	W	W	W
Oregon	2.66	2.85	3.12	3.24	W	W	W
Pennsylvania	2.02	3.06	8.29	4.28	5.04	3.21	3.80
Rhode Island	3.41	W	W	9.99	W	6.04	5.64
South Carolina	W	W	W	W	W	W	W
South Dakota	3.46	2.77	3.05	2.94	4.98	3.59	3.41
Tennessee	2.66	3.35	3.27	3.59	4.64	4.36	4.28
Texas	2.82	3.02	3.09	3.26	4.62	4.01	4.21
Utah	W	W	3.37	W	W	W	W
Vermont	--	--	--	--	W	--	--
Virginia	W	W	W	W	6.12	W	W
Washington	3.50	4.41	3.46	4.63	W	W	W
West Virginia	W	2.64	W	2.95	W	3.14	3.49
Wisconsin	W	W	W	W	5.47	4.94	4.96
Wyoming	15.03	5.54	9.15	5.89	W	28.40	11.98
Total	3.23	3.71	4.99	4.29	5.19	4.50	4.68

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
	October	September	August	July	June	May	April
Alabama	W	W	W	W	W	5.06	W
Alaska	4.96	5.33	5.27	5.26	5.42	5.49	5.47
Arizona	4.57	4.89	4.78	5.17	5.32	5.78	6.06
Arkansas	W	W	W	W	W	W	W
California	4.62	4.81	4.81	5.07	5.44	5.48	5.40
Colorado	W	W	W	W	W	5.67	6.06
Connecticut	3.01	W	4.70	3.72	4.42	4.13	5.01
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	5.06	W	W	W	5.65
Georgia	4.36	4.56	4.51	4.75	5.29	5.35	5.43
Hawaii	--	--	--	--	--	--	--
Idaho	9.58	4.46	4.31	4.43	6.72	9.94	W
Illinois	W	W	4.42	W	W	W	W
Indiana	W	W	W	W	W	W	W
Iowa	4.09	4.30	4.22	5.38	5.86	5.65	7.07
Kansas	5.14	5.06	4.81	5.11	5.33	5.25	5.70
Kentucky	W	6.79	W	W	W	W	W
Louisiana	4.23	W	4.22	4.59	4.93	4.99	5.00
Maine	W	W	W	W	W	W	W
Maryland	W	4.46	4.27	4.73	5.36	W	5.52
Massachusetts	3.60	3.78	3.19	4.11	4.69	4.23	5.38
Michigan	4.51	4.67	4.66	5.12	5.34	5.27	5.38
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	--	--	--	--	--	--	--
Nebraska	4.63	5.01	4.74	4.89	5.47	6.15	5.71
Nevada	W	W	W	W	W	W	W
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.73	2.90	2.80	3.34	3.74	3.77	4.73
New Mexico	4.79	4.61	4.59	4.79	5.35	5.20	5.22
New York	3.28	3.29	3.36	3.96	4.40	4.69	5.19
North Carolina	5.86	5.17	4.97	5.43	5.54	5.82	W
North Dakota	3.38	3.46	3.68	4.19	4.37	4.71	--
Ohio	3.16	3.35	3.30	3.68	4.26	4.49	4.68
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	5.11	W	5.18
Pennsylvania	2.27	2.45	2.55	2.94	3.39	3.87	4.49
Rhode Island	3.70	3.54	W	3.85	4.33	W	5.25
South Carolina	W	W	W	W	W	W	W
South Dakota	6.85	5.00	4.07	3.41	5.73	3.89	5.07
Tennessee	4.08	4.07	3.94	4.33	4.74	4.34	4.98
Texas	4.10	4.19	4.13	4.41	4.85	4.79	4.86
Utah	W	W	W	W	W	W	4.95
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	4.88
Washington	W	W	W	W	5.27	W	5.44
West Virginia	W	W	W	W	4.04	4.37	5.58
Wisconsin	4.42	4.84	W	4.96	5.44	5.36	5.63
Wyoming	6.28	5.83	11.19	6.39	5.16	8.59	7.40
Total	4.23	4.34	4.25	4.58	4.98	5.08	5.25

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		
	March	February	January
Alabama	5.46	6.56	4.90
Alaska	4.50	4.56	4.61
Arizona	6.31	7.51	5.85
Arkansas	W	W	W
California	5.81	6.86	5.24
Colorado	6.26	W	W
Connecticut	11.54	17.45	14.98
Delaware	--	--	--
District of Columbia	--	--	--
Florida	W	6.74	5.76
Georgia	W	W	5.57
Hawaii	--	--	--
Idaho	W	W	W
Illinois	W	W	15.04
Indiana	W	W	W
Iowa	21.27	17.24	12.87
Kansas	7.66	10.85	6.11
Kentucky	W	W	W
Louisiana	5.45	W	4.87
Maine	W	W	W
Maryland	6.73	10.75	W
Massachusetts	12.90	21.95	18.76
Michigan	12.31	12.40	7.96
Minnesota	W	W	W
Mississippi	W	W	W
Missouri	W	W	W
Montana	--	--	--
Nebraska	11.85	15.47	7.75
Nevada	W	W	W
New Hampshire	W	W	W
New Jersey	6.14	8.33	15.25
New Mexico	5.21	6.86	4.98
New York	8.44	11.00	11.92
North Carolina	W	W	W
North Dakota	--	--	--
Ohio	5.53	6.62	5.51
Oklahoma	W	7.08	W
Oregon	5.93	W	W
Pennsylvania	6.16	8.72	21.06
Rhode Island	13.17	21.46	22.70
South Carolina	W	W	W
South Dakota	9.39	18.50	8.59
Tennessee	5.57	5.93	5.87
Texas	5.24	6.54	4.82
Utah	W	W	W
Vermont	--	--	--
Virginia	6.61	8.02	17.85
Washington	6.17	W	W
West Virginia	6.65	W	W
Wisconsin	6.93	9.22	W
Wyoming	9.40	7.32	7.51
Total	6.28	7.79	7.47

^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 2-Month YTD			2015 2-Month YTD			2014 2-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.2	25.4	100.0	82.7	24.3	100.0	84.1	26.1
Alaska	100.0	99.7	NA	100.0	95.4	100.0	100.0	98.2	100.0
Arizona	100.0	86.6	13.4	100.0	86.8	15.5	100.0	87.8	12.7
Arkansas	100.0	50.2	1.7	100.0	55.5	2.3	100.0	60.2	2.4
California	95.1	54.2	4.8	94.7	52.8	4.4	94.9	51.8	5.1
Colorado	100.0	95.3	10.0	100.0	95.4	9.7	100.0	95.4	9.0
Connecticut	96.6	NA	51.5	96.7	78.8	48.8	96.3	66.4	41.0
Delaware	100.0	45.7	0.4	100.0	52.6	0.5	100.0	52.4	0.4
District of Columbia	74.8	22.2	--	74.4	23.8	0.0	75.6	23.9	0.0
Florida	97.8	30.2	3.6	97.7	33.1	3.1	98.0	35.4	3.2
Georgia	100.0	100.0	20.6	100.0	100.0	21.5	100.0	100.0	21.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.0	2.3	100.0	81.6	3.0	100.0	83.2	2.8
Illinois	87.1	40.6	9.2	87.2	42.9	10.0	88.2	44.7	11.2
Indiana	96.0	70.8	2.9	95.9	72.2	3.2	95.1	70.2	3.3
Iowa	100.0	75.8	NA	100.0	76.4	5.5	100.0	77.5	5.4
Kansas	100.0	67.8	0.9	100.0	69.6	2.0	100.0	70.4	1.2
Kentucky	96.8	83.3	17.3	96.5	84.3	16.6	96.2	84.9	17.2
Louisiana	100.0	80.0	11.6	100.0	82.2	10.9	100.0	83.3	13.2
Maine	100.0	60.7	NA	100.0	57.7	NA	100.0	52.4	2.1
Maryland	74.7	NA	12.8	73.9	32.5	15.7	73.3	31.9	14.1
Massachusetts	99.1	48.8	25.6	99.5	53.2	31.6	99.5	47.2	24.0
Michigan	92.8	60.1	9.4	92.9	61.9	11.4	91.8	59.1	11.3
Minnesota	100.0	86.2	NA	100.0	88.3	17.2	100.0	94.4	25.6
Mississippi	100.0	88.3	9.8	99.7	89.8	9.0	100.0	91.3	11.6
Missouri	100.0	77.6	NA	100.0	76.7	18.5	100.0	74.3	19.9
Montana	99.7	54.2	1.9	99.7	55.1	1.7	99.9	55.8	3.0
Nebraska	88.0	61.1	8.7	87.4	60.2	9.6	88.3	60.5	10.4
Nevada	100.0	68.6	22.3	100.0	67.7	20.3	100.0	69.1	20.6
New Hampshire	100.0	57.4	NA	100.0	61.8	22.8	100.0	59.3	9.7
New Jersey	94.2	46.9	11.1	92.9	50.1	12.6	89.6	41.0	12.2
New Mexico	100.0	59.0	NA	100.0	61.0	3.3	100.0	63.9	5.2
New York	100.0	100.0	7.8	100.0	100.0	7.9	100.0	100.0	7.8
North Carolina	100.0	88.8	13.5	100.0	90.0	14.1	100.0	89.4	13.0
North Dakota	100.0	94.5	27.9	100.0	94.9	43.0	100.0	95.0	35.7
Ohio	100.0	100.0	2.6	100.0	100.0	3.2	100.0	100.0	3.3
Oklahoma	NA	NA	NA	100.0	52.4	1.1	100.0	54.3	1.5
Oregon	100.0	95.2	17.2	100.0	96.0	17.6	100.0	96.9	19.1
Pennsylvania	87.4	42.1	1.6	86.5	45.6	2.1	86.5	45.4	2.3
Rhode Island	100.0	54.8	3.7	100.0	56.5	7.6	100.0	54.3	7.3
South Carolina	100.0	94.2	39.8	100.0	93.6	40.6	100.0	96.7	44.7
South Dakota	100.0	83.8	6.3	100.0	84.7	6.3	100.0	84.0	6.1
Tennessee	100.0	91.9	28.8	100.0	93.2	30.1	100.0	94.3	32.1
Texas	99.8	77.5	39.8	100.0	NA	39.5	99.8	80.2	39.2
Utah	100.0	81.9	7.0	100.0	82.2	8.2	100.0	83.2	9.2
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.7	59.5	NA	90.8	62.4	NA	90.6	63.9	15.7
Washington	100.0	87.1	NA	100.0	87.5	8.0	100.0	88.3	8.4
West Virginia	100.0	64.1	12.8	100.0	66.0	12.9	100.0	66.3	17.2
Wisconsin	100.0	77.8	20.6	100.0	81.0	22.8	100.0	82.1	26.3
Wyoming	73.6	55.1	2.6	71.8	NA	1.8	72.2	62.1	1.1
Total	96.0	69.9	16.2	95.7	71.0	16.0	95.6	70.6	16.8

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		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	84.3	26.4	100.0	77.4	24.5	99.0	77.6	23.3
Alaska	100.0	99.7	NA	100.0	99.7	100.0	100.0	98.2	100.0
Arizona	100.0	85.8	13.6	100.0	87.2	13.1	100.0	83.8	NA
Arkansas	100.0	53.1	1.8	100.0	47.2	1.6	100.0	42.5	1.7
California	94.9	53.6	4.8	95.3	54.8	4.9	94.9	50.0	3.8
Colorado	100.0	94.6	9.7	100.0	95.8	10.3	NA	NA	NA
Connecticut	96.6	80.7	52.1	96.6	NA	50.9	96.3	76.2	47.2
Delaware	100.0	49.4	0.5	100.0	41.6	0.3	100.0	45.7	NA
District of Columbia	74.8	22.0	--	74.8	22.6	--	73.2	21.4	0.0
Florida	97.9	31.0	4.2	97.5	29.4	3.0	97.8	NA	NA
Georgia	100.0	100.0	21.7	100.0	100.0	19.4	100.0	100.0	NA
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	80.3	2.3	100.0	83.3	2.4	100.0	74.6	2.4
Illinois	86.5	39.9	8.6	87.5	41.2	9.8	86.3	NA	5.7
Indiana	95.9	70.1	2.7	96.1	71.5	3.1	NA	67.0	1.9
Iowa	100.0	74.8	NA	100.0	76.7	4.8	100.0	NA	NA
Kansas	100.0	68.2	1.2	100.0	67.5	0.7	NA	NA	NA
Kentucky	96.4	83.4	18.2	97.2	83.2	16.6	96.3	79.2	16.0
Louisiana	100.0	81.3	11.6	100.0	78.7	11.5	100.0	79.1	11.6
Maine	100.0	61.4	NA	100.0	60.1	NA	100.0	51.5	NA
Maryland	74.4	30.6	12.1	75.0	NA	13.5	73.1	27.4	NA
Massachusetts	99.1	49.5	27.6	99.2	48.1	23.7	NA	NA	26.3
Michigan	92.7	59.4	9.5	92.9	60.7	9.4	92.7	55.4	NA
Minnesota	100.0	84.1	NA	100.0	88.1	NA	100.0	84.3	NA
Mississippi	100.0	88.1	11.3	100.0	88.5	8.4	NA	NA	9.0
Missouri	100.0	76.4	NA	100.0	78.9	NA	100.0	71.1	12.3
Montana	99.7	52.1	1.9	99.7	55.8	1.9	99.8	NA	NA
Nebraska	89.6	61.5	8.5	86.5	60.8	8.8	87.2	56.1	7.1
Nevada	100.0	67.6	20.6	100.0	69.4	23.8	100.0	57.9	NA
New Hampshire	100.0	57.3	NA	100.0	57.4	15.5	100.0	58.4	NA
New Jersey	94.2	46.4	12.8	94.2	47.4	9.4	93.4	NA	NA
New Mexico	100.0	56.6	NA	100.0	61.4	2.7	100.0	NA	6.4
New York	100.0	100.0	8.4	100.0	100.0	7.2	100.0	100.0	NA
North Carolina	100.0	88.0	14.1	100.0	89.4	12.9	NA	NA	10.9
North Dakota	100.0	94.4	24.2	100.0	94.6	31.1	100.0	NA	39.6
Ohio	100.0	100.0	2.8	100.0	100.0	2.4	100.0	100.0	NA
Oklahoma	NA	NA	NA	100.0	53.7	0.5	100.0	43.7	NA
Oregon	100.0	94.9	16.9	100.0	95.4	17.4	100.0	NA	16.6
Pennsylvania	87.1	41.7	1.8	87.7	42.5	1.4	NA	NA	1.0
Rhode Island	100.0	53.6	3.6	100.0	56.3	3.9	100.0	53.9	5.3
South Carolina	100.0	93.4	41.8	100.0	94.8	37.9	100.0	91.3	42.1
South Dakota	100.0	82.6	6.3	100.0	84.7	6.3	100.0	81.0	4.1
Tennessee	100.0	92.5	29.4	100.0	91.2	28.2	100.0	88.6	29.6
Texas	99.8	76.4	38.7	99.8	78.6	40.8	99.9	NA	40.7
Utah	100.0	80.7	6.8	100.0	82.9	7.3	100.0	77.0	8.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NA	100.0
Virginia	90.3	58.3	12.8	91.3	60.8	NA	89.9	54.2	NA
Washington	100.0	86.7	7.6	100.0	87.3	NA	100.0	85.2	NA
West Virginia	100.0	63.5	14.3	100.0	64.6	11.5	100.0	53.3	NA
Wisconsin	100.0	76.8	20.7	100.0	78.7	20.5	100.0	NA	NA
Wyoming	74.2	56.3	2.6	73.1	54.2	2.6	73.3	NA	NA
Total	95.9	69.2	16.1	96.0	70.5	16.3	95.7	65.9	15.9

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	2015								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.2	22.9	100.0	69.9	23.2	100.0	68.6	23.8
Alaska	100.0	99.7	100.0	100.0	99.9	100.0	100.0	98.7	100.0
Arizona	100.0	85.5	13.6	100.0	83.3	13.8	100.0	80.2	16.3
Arkansas	100.0	41.8	1.7	100.0	28.2	1.7	100.0	28.1	1.5
California	95.6	54.8	4.6	96.1	51.7	4.1	94.7	46.6	4.0
Colorado	100.0	95.8	9.8	100.0	95.7	9.1	100.0	93.1	6.6
Connecticut	96.4	78.4	50.9	95.9	75.4	49.8	94.6	73.5	47.8
Delaware	100.0	38.9	0.2	100.0	31.6	0.1	100.0	31.6	0.2
District of Columbia	72.4	21.9	--	70.1	17.4	--	70.6	15.9	--
Florida	97.6	28.6	NA	97.6	27.6	3.5	97.7	27.8	3.0
Georgia	100.0	100.0	20.4	100.0	100.0	20.3	100.0	100.0	20.8
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.5	2.4	100.0	79.0	2.1	100.0	67.0	2.1
Illinois	86.8	37.1	7.2	88.2	NA	5.5	87.1	30.4	3.8
Indiana	96.0	67.8	2.0	95.9	65.5	1.7	95.4	64.0	1.4
Iowa	100.0	75.2	4.2	100.0	NA	6.3	100.0	70.3	5.2
Kansas	100.0	59.0	1.0	NA	53.1	2.3	100.0	40.1	4.8
Kentucky	96.7	80.6	16.4	97.4	76.0	16.3	97.6	72.3	15.5
Louisiana	100.0	76.4	12.1	100.0	73.3	12.1	100.0	74.9	11.7
Maine	100.0	57.2	NA	100.0	53.1	NA	100.0	47.7	NA
Maryland	73.0	24.9	8.2	74.6	28.4	5.3	73.4	23.2	3.3
Massachusetts	99.2	44.4	24.6	99.3	37.9	19.9	NA	NA	18.2
Michigan	93.0	56.5	8.3	92.9	54.3	5.9	92.8	48.5	3.3
Minnesota	100.0	89.0	NA	100.0	82.4	17.6	100.0	82.7	14.6
Mississippi	100.0	86.1	8.4	NA	NA	8.5	100.0	82.3	8.8
Missouri	100.0	72.9	12.2	100.0	65.4	9.5	100.0	58.8	9.0
Montana	99.8	53.6	1.5	99.8	46.8	1.6	99.8	43.1	1.5
Nebraska	86.9	58.3	6.7	83.8	48.8	6.4	87.2	52.4	6.1
Nevada	100.0	65.8	17.8	100.0	58.7	NA	100.0	47.0	10.7
New Hampshire	100.0	55.4	NA	100.0	53.1	NA	100.0	48.8	NA
New Jersey	94.3	42.0	7.6	94.0	37.2	4.6	94.0	NA	2.9
New Mexico	100.0	53.1	7.4	100.0	NA	8.7	99.9	38.6	10.0
New York	100.0	100.0	6.7	100.0	100.0	5.1	100.0	100.0	4.5
North Carolina	100.0	NA	11.4	100.0	81.3	10.4	100.0	79.7	10.0
North Dakota	100.0	94.3	24.7	100.0	93.2	44.9	100.0	NA	44.0
Ohio	100.0	100.0	2.0	100.0	100.0	1.6	100.0	100.0	1.1
Oklahoma	100.0	47.6	0.9	100.0	30.8	0.4	100.0	30.1	0.3
Oregon	100.0	95.3	16.6	100.0	95.1	16.5	100.0	94.7	17.0
Pennsylvania	86.8	38.5	1.0	87.7	37.3	0.7	NA	NA	0.4
Rhode Island	100.0	54.1	4.8	100.0	48.6	4.4	100.0	53.9	3.3
South Carolina	100.0	90.1	38.5	100.0	91.3	42.8	100.0	89.7	43.6
South Dakota	100.0	83.0	5.2	100.0	80.8	5.4	100.0	75.5	2.8
Tennessee	100.0	88.4	28.6	100.0	85.5	29.4	100.0	81.9	31.4
Texas	99.8	76.4	40.5	99.6	66.1	40.0	100.0	64.3	40.9
Utah	100.0	80.7	6.7	100.0	76.1	7.2	100.0	67.0	7.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.5	53.2	10.5	90.7	50.4	7.5	89.3	48.0	10.0
Washington	100.0	87.2	NA	100.0	86.0	NA	100.0	83.1	5.5
West Virginia	100.0	56.0	NA	100.0	49.4	NA	100.0	45.9	13.9
Wisconsin	100.0	77.7	17.7	100.0	75.1	20.3	100.0	69.4	15.0
Wyoming	75.7	53.2	NA	75.4	46.0	1.4	76.5	54.8	1.9
Total	96.1	67.8	16.0	96.0	64.0	15.9	95.5	60.4	15.7

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								
	September			August			July		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	69.7	23.2	68.8	69.7	21.7	100.0	70.5	21.7
Alaska	100.0	98.3	100.0	100.0	97.2	100.0	100.0	96.6	100.0
Arizona	100.0	80.1	16.3	100.0	79.4	NA	100.0	80.7	16.3
Arkansas	100.0	25.7	1.3	100.0	25.0	1.6	100.0	28.0	1.2
California	94.6	43.9	3.2	94.9	43.5	3.1	94.8	45.0	3.1
Colorado	100.0	90.8	5.8	100.0	91.0	4.4	100.0	90.9	3.5
Connecticut	96.2	66.9	44.5	94.3	67.6	45.3	95.8	71.9	43.9
Delaware	100.0	29.9	0.5	100.0	33.4	0.1	100.0	35.8	0.2
District of Columbia	69.6	15.0	--	68.8	16.0	--	68.0	15.8	--
Florida	97.9	27.7	3.5	97.7	26.9	3.3	97.8	28.0	3.3
Georgia	100.0	100.0	20.2	100.0	100.0	21.2	100.0	100.0	20.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	64.4	1.9	100.0	58.6	2.0	100.0	52.9	2.2
Illinois	86.3	22.8	2.8	85.3	21.9	2.8	85.2	25.2	2.1
Indiana	95.9	57.5	1.1	95.5	53.9	1.1	95.1	56.8	1.3
Iowa	100.0	59.3	NA	100.0	55.5	1.9	100.0	59.1	2.4
Kansas	100.0	35.8	15.3	100.0	NA	19.2	100.0	31.1	18.2
Kentucky	97.2	68.0	14.5	97.6	67.6	16.1	96.9	66.4	15.9
Louisiana	100.0	74.3	10.8	100.0	77.0	11.1	100.0	81.2	11.3
Maine	100.0	28.5	NA	100.0	27.5	NA	100.0	30.5	NA
Maryland	71.7	18.5	4.5	71.7	17.1	0.8	70.8	21.5	NA
Massachusetts	99.2	26.4	19.3	99.3	26.7	21.3	99.3	28.3	21.1
Michigan	92.1	36.5	2.3	92.6	37.6	2.4	92.4	36.6	2.5
Minnesota	100.0	74.2	12.7	100.0	74.7	12.6	100.0	71.0	11.4
Mississippi	100.0	NA	9.6	100.0	82.0	9.3	99.3	81.0	8.7
Missouri	100.0	58.5	8.1	100.0	57.3	8.5	100.0	58.6	7.5
Montana	99.8	43.9	0.8	99.8	49.3	NA	99.8	47.8	1.1
Nebraska	88.9	43.4	6.4	88.2	44.6	5.6	88.9	47.5	5.5
Nevada	100.0	47.9	NA	100.0	46.6	NA	100.0	48.1	10.6
New Hampshire	100.0	49.4	NA	100.0	52.6	NA	100.0	53.2	NA
New Jersey	93.8	NA	2.4	93.6	17.1	2.3	93.8	23.0	3.1
New Mexico	100.0	47.1	7.9	100.0	46.5	9.5	100.0	47.4	7.3
New York	100.0	100.0	4.7	100.0	100.0	4.9	100.0	100.0	5.0
North Carolina	100.0	75.8	9.4	NA	NA	9.4	100.0	73.6	8.7
North Dakota	100.0	87.0	41.6	100.0	82.9	34.8	100.0	85.7	23.9
Ohio	100.0	100.0	NA	100.0	100.0	1.0	100.0	100.0	1.4
Oklahoma	100.0	29.4	NA	100.0	28.6	0.4	100.0	30.4	NA
Oregon	100.0	94.2	17.0	100.0	94.0	15.4	100.0	94.3	15.3
Pennsylvania	87.3	29.5	0.2	87.4	28.5	0.2	87.1	28.5	0.2
Rhode Island	100.0	53.1	3.4	100.0	52.8	3.5	100.0	51.5	4.8
South Carolina	100.0	88.8	43.2	100.0	90.2	41.8	100.0	90.1	42.2
South Dakota	100.0	69.1	2.0	100.0	69.8	2.2	100.0	71.7	1.9
Tennessee	100.0	79.7	29.3	100.0	76.7	29.5	100.0	79.8	27.8
Texas	100.0	62.6	41.3	99.7	63.0	39.5	99.7	65.9	41.5
Utah	100.0	66.7	7.6	100.0	65.1	8.0	100.0	66.9	10.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	88.8	40.0	9.0	87.8	44.3	7.7	87.6	47.0	7.3
Washington	100.0	80.7	5.0	100.0	84.3	4.1	100.0	79.6	4.5
West Virginia	100.0	27.5	12.8	100.0	32.7	12.1	100.0	28.1	11.5
Wisconsin	100.0	58.1	12.6	100.0	57.2	11.1	100.0	54.8	11.5
Wyoming	75.3	51.1	2.1	76.0	58.0	2.9	75.2	55.0	2.2
Total	95.9	56.0	15.5	95.5	55.1	15.3	95.7	57.1	15.6

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	2015								
	June			May			April		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	71.9	22.4	100.0	72.6	24.3	100.0	76.8	23.6
Alaska	100.0	97.7	100.0	100.0	98.9	100.0	100.0	99.7	100.0
Arizona	100.0	82.0	16.2	100.0	82.7	16.3	100.0	84.0	16.0
Arkansas	100.0	27.3	1.2	100.0	30.2	1.3	100.0	42.5	1.6
California	94.6	47.3	3.1	94.7	51.6	4.5	94.8	51.9	3.4
Colorado	NA	NA	4.2	NA	NA	8.7	100.0	93.5	NA
Connecticut	95.5	70.6	43.5	94.9	72.0	43.4	96.4	77.2	45.3
Delaware	100.0	38.4	NA	100.0	43.3	0.2	100.0	54.0	0.5
District of Columbia	83.8	26.4	--	63.9	19.4	--	77.1	22.6	--
Florida	98.1	NA	3.0	98.0	30.2	3.2	97.5	30.0	3.8
Georgia	100.0	100.0	19.3	100.0	100.0	NA	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	58.2	2.1	100.0	62.7	2.3	100.0	73.0	2.8
Illinois	83.4	24.4	2.9	83.0	25.8	3.4	83.4	33.1	4.7
Indiana	NA	55.3	2.0	95.6	55.7	0.9	95.3	62.4	1.6
Iowa	100.0	57.8	2.1	100.0	61.8	2.8	100.0	66.0	NA
Kansas	100.0	42.4	8.3	100.0	38.3	NA	100.0	57.7	NA
Kentucky	96.6	67.6	16.0	95.0	68.2	16.0	94.8	75.6	15.3
Louisiana	100.0	82.1	11.2	100.0	75.5	11.7	100.0	79.4	12.5
Maine	100.0	37.6	NA	100.0	52.0	NA	100.0	53.4	NA
Maryland	70.3	19.4	1.6	70.3	21.2	1.8	75.2	24.6	8.0
Massachusetts	99.3	34.2	24.2	99.3	36.7	23.5	99.4	46.4	30.2
Michigan	93.0	40.8	2.5	92.3	49.3	NA	91.9	52.9	6.5
Minnesota	100.0	70.9	14.0	100.0	79.6	12.8	100.0	81.2	14.8
Mississippi	99.4	80.3	8.7	99.4	81.6	9.5	99.6	83.4	9.8
Missouri	100.0	62.2	8.7	100.0	60.3	9.4	100.0	69.0	12.9
Montana	99.8	52.7	1.9	99.8	53.2	1.0	99.8	NA	1.4
Nebraska	86.5	48.7	5.9	84.3	49.3	6.2	86.7	56.2	7.9
Nevada	100.0	51.0	NA	100.0	50.1	NA	100.0	55.6	NA
New Hampshire	100.0	49.2	NA	100.0	55.3	NA	100.0	59.7	NA
New Jersey	94.2	27.9	2.9	93.6	NA	NA	93.6	39.2	9.5
New Mexico	100.0	51.4	5.3	100.0	52.4	6.2	100.0	59.8	5.4
New York	100.0	100.0	5.5	100.0	100.0	NA	100.0	100.0	7.4
North Carolina	100.0	76.5	8.8	100.0	76.6	9.2	100.0	80.1	10.2
North Dakota	100.0	85.1	39.3	100.0	90.1	43.5	100.0	92.1	38.8
Ohio	100.0	100.0	0.6	100.0	100.0	1.1	100.0	100.0	1.5
Oklahoma	100.0	29.0	0.3	100.0	31.0	0.5	100.0	34.0	0.4
Oregon	100.0	NA	15.0	100.0	95.0	16.1	100.0	95.6	17.2
Pennsylvania	85.7	30.1	0.3	85.3	33.3	0.4	85.4	37.1	1.1
Rhode Island	100.0	50.0	5.2	100.0	46.8	4.0	100.0	51.7	6.0
South Carolina	100.0	89.7	41.9	100.0	89.2	41.9	100.0	90.3	44.0
South Dakota	100.0	71.8	2.4	100.0	77.8	3.2	100.0	79.7	3.9
Tennessee	100.0	80.8	29.0	100.0	84.0	30.4	100.0	88.3	28.9
Texas	99.8	66.9	41.4	99.7	64.2	43.6	99.8	68.9	40.0
Utah	100.0	67.1	11.4	100.0	69.4	10.2	100.0	74.7	8.9
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.5	43.1	8.1	87.4	45.8	7.7	89.2	50.3	NA
Washington	100.0	79.8	4.8	100.0	81.5	5.5	100.0	85.1	6.5
West Virginia	100.0	26.3	13.0	100.0	34.0	12.2	100.0	52.0	19.4
Wisconsin	100.0	60.1	11.4	100.0	66.2	13.2	100.0	NA	NA
Wyoming	72.4	56.3	1.8	72.6	45.4	2.0	72.7	53.3	1.9
Total	95.5	57.8	15.6	95.5	61.5	16.4	95.5	64.7	15.8

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								
	March			February			January		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	85.7	24.6	100.0	83.6	24.6	100.0	81.7	24.0
Alaska	100.0	99.7	100.0	100.0	95.2	100.0	100.0	95.6	100.0
Arizona	100.0	85.0	15.5	100.0	85.7	16.0	100.0	87.7	15.1
Arkansas	100.0	59.6	2.3	100.0	55.4	2.3	100.0	55.7	2.3
California	93.9	50.7	4.2	94.5	55.0	5.3	94.8	51.0	3.7
Colorado	100.0	94.7	8.9	100.0	95.2	9.3	100.0	95.7	9.9
Connecticut	96.7	80.6	49.7	96.5	79.2	50.4	96.9	78.5	47.2
Delaware	100.0	54.7	0.4	100.0	53.9	0.6	100.0	51.3	0.4
District of Columbia	72.6	22.8	--	74.7	25.0	0.0	74.1	22.6	0.0
Florida	98.1	32.4	3.4	97.6	33.8	3.5	97.9	32.4	2.8
Georgia	100.0	100.0	20.3	100.0	100.0	22.0	100.0	100.0	20.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	76.2	2.8	100.0	79.8	2.7	100.0	82.7	3.2
Illinois	84.6	39.0	7.9	87.3	43.1	10.2	87.1	42.7	9.7
Indiana	95.9	69.4	2.7	96.0	73.0	3.7	95.7	71.4	2.7
Iowa	100.0	73.7	3.6	100.0	76.5	6.3	100.0	76.3	4.8
Kansas	100.0	67.7	NA	100.0	67.8	2.3	100.0	71.1	1.7
Kentucky	95.3	83.4	16.5	96.5	84.5	16.7	96.6	84.1	16.5
Louisiana	100.0	82.9	12.3	100.0	82.5	10.6	100.0	81.9	11.3
Maine	100.0	56.3	NA	100.0	59.3	NA	100.0	55.8	NA
Maryland	71.2	32.7	15.6	73.8	32.4	17.3	74.0	32.7	14.3
Massachusetts	99.5	56.0	31.4	99.5	52.4	32.3	99.5	54.2	30.9
Michigan	92.4	59.9	11.2	93.1	63.5	12.5	92.7	60.3	10.4
Minnesota	100.0	83.7	NA	100.0	86.2	18.1	100.0	90.5	16.3
Mississippi	99.7	89.5	9.5	100.0	89.4	9.3	99.5	90.1	8.7
Missouri	100.0	78.0	16.8	100.0	76.6	18.5	100.0	76.8	18.6
Montana	99.7	53.2	1.5	99.7	53.4	1.9	99.7	56.4	1.6
Nebraska	88.8	62.5	8.9	88.9	61.0	9.8	86.1	59.5	9.5
Nevada	100.0	60.7	NA	100.0	66.3	17.0	100.0	68.9	23.0
New Hampshire	100.0	61.5	NA	100.0	62.1	23.9	100.0	61.5	21.6
New Jersey	93.3	53.8	14.0	93.0	53.3	14.3	92.9	46.7	11.2
New Mexico	100.0	62.6	2.9	100.0	61.8	2.8	100.0	60.3	3.8
New York	100.0	100.0	8.0	100.0	100.0	8.8	100.0	100.0	7.0
North Carolina	100.0	NA	13.2	100.0	90.7	14.8	100.0	89.2	13.5
North Dakota	100.0	94.7	45.8	100.0	94.9	44.7	100.0	94.8	41.4
Ohio	100.0	100.0	3.2	100.0	100.0	3.1	100.0	100.0	3.3
Oklahoma	100.0	52.1	1.5	100.0	48.5	1.0	100.0	56.1	1.2
Oregon	100.0	95.4	17.1	100.0	95.6	17.7	100.0	96.4	17.6
Pennsylvania	86.0	44.0	2.2	86.4	45.7	2.3	86.5	45.5	2.0
Rhode Island	100.0	55.6	8.6	100.0	56.7	7.6	100.0	56.2	7.5
South Carolina	100.0	91.8	43.8	100.0	92.8	38.3	100.0	94.4	42.5
South Dakota	100.0	82.9	6.7	100.0	84.1	6.2	100.0	85.2	6.3
Tennessee	100.0	92.8	30.3	100.0	93.4	30.9	100.0	93.0	29.3
Texas	99.9	NA	40.8	100.0	NA	39.2	100.0	80.4	39.8
Utah	100.0	80.8	8.3	100.0	78.4	7.7	100.0	85.0	8.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.4	58.9	16.5	90.9	62.5	NA	90.7	62.2	13.6
Washington	100.0	87.5	7.4	100.0	86.1	8.1	100.0	88.7	7.9
West Virginia	100.0	67.0	17.1	100.0	67.9	15.6	100.0	64.1	10.1
Wisconsin	100.0	78.7	20.6	100.0	81.0	22.2	100.0	81.0	23.3
Wyoming	72.1	53.8	2.3	72.9	43.2	2.9	70.9	NA	0.9
Total	95.5	70.1	16.6	95.7	71.1	16.1	95.8	71.0	15.9

^R Revised data.

-- Not applicable.

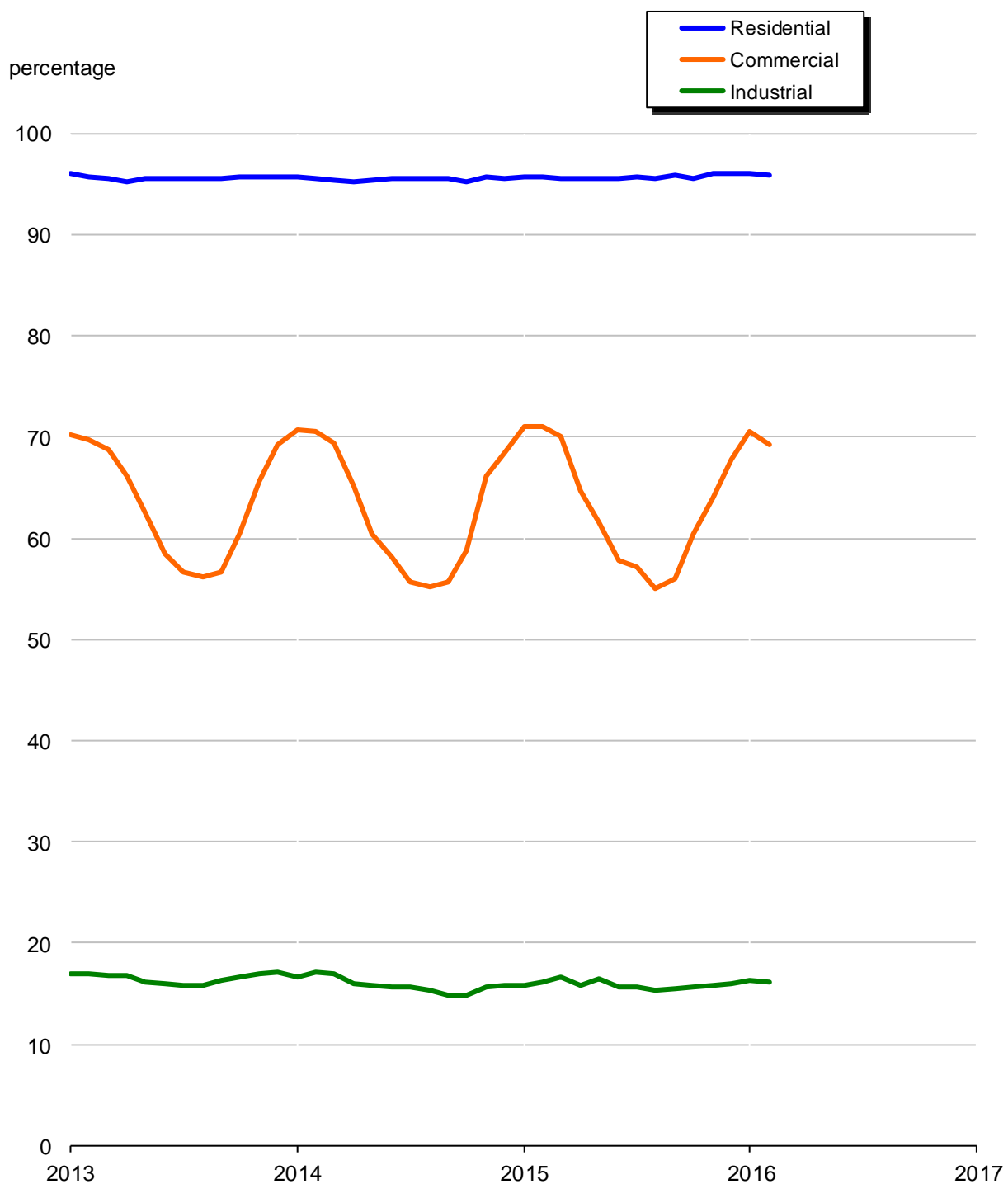
^{NA} Not available.

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 2-Month YTD	2015 2-Month YTD	2014 2-Month YTD	2016		2015	
				February	January	Total	December
Alabama	1,027	1,027	1,018	1,025	1,029	1,030	1,029
Alaska	1,000	1,000	1,003	1,000	1,000	1,001	1,000
Arizona	1,046	1,037	1,025	1,047	1,046	1,039	1,044
Arkansas	1,022	1,028	1,021	1,015	1,019	1,028	1,015
California	1,036	1,034	1,023	1,036	1,038	1,035	1,037
Colorado	1,051	1,045	1,033	1,052	1,050	1,058	1,051
Connecticut	1,026	1,022	1,016	1,026	1,026	1,027	1,026
Delaware	1,050	1,060	1,047	1,050	1,055	1,050	1,049
District of Columbia	1,050	1,046	1,038	1,049	1,051	1,044	1,044
Florida	1,019	1,024	1,018	1,025	1,015	1,024	1,023
Georgia	1,029	1,025	1,018	1,030	1,029	1,028	1,027
Hawaii	1,001	962	947	1,004	998	981	997
Idaho	1,034	1,041	1,040	1,038	1,034	1,029	1,041
Illinois	1,032	1,029	1,020	1,031	1,031	1,029	1,030
Indiana	1,032	1,028	1,016	1,033	1,030	1,036	1,033
Iowa	1,052	1,046	1,034	1,052	1,053	1,052	1,056
Kansas	1,034	1,034	1,017	1,036	1,032	1,037	1,031
Kentucky	1,028	1,023	1,027	1,025	1,027	1,025	1,024
Louisiana	1,033	1,037	1,019	1,025	1,024	1,032	1,023
Maine	1,035	1,034	1,028	1,037	1,035	1,026	1,027
Maryland	1,058	1,060	1,050	1,055	1,061	1,055	1,050
Massachusetts	1,032	1,035	1,033	1,032	1,031	1,030	1,030
Michigan	1,039	1,027	1,020	1,038	1,040	1,031	1,040
Minnesota	1,039	1,037	1,028	1,035	1,043	1,041	1,041
Mississippi	1,032	1,035	1,015	1,032	1,031	1,031	1,030
Missouri	1,024	1,018	1,013	1,023	1,024	1,023	1,023
Montana	1,031	1,027	1,030	1,030	1,033	1,029	1,034
Nebraska	1,051	1,052	1,033	1,054	1,054	1,055	1,053
Nevada	1,043	1,040	1,033	1,042	1,043	1,043	1,042
New Hampshire	1,037	1,039	1,035	1,039	1,035	1,031	1,030
New Jersey	1,044	1,051	1,048	1,043	1,044	1,046	1,044
New Mexico	1,047	1,038	1,030	1,048	1,046	1,041	1,046
New York	1,033	1,035	1,032	1,034	1,033	1,033	1,033
North Carolina	1,034	1,030	1,016	1,034	1,034	1,034	1,034
North Dakota	1,079	1,045	1,075	1,095	1,095	1,054	1,112
Ohio	1,073	1,063	1,043	1,072	1,073	1,067	1,077
Oklahoma	1,049	1,043	1,037	1,047	1,049	1,047	1,050
Oregon	1,034	1,031	1,014	1,034	1,033	1,037	1,036
Pennsylvania	1,046	1,053	1,051	1,045	1,048	1,047	1,046
Rhode Island	1,029	1,029	1,031	1,027	1,032	1,028	1,028
South Carolina	1,031	1,029	1,022	1,031	1,031	1,030	1,030
South Dakota	1,060	1,047	1,033	1,058	1,060	1,051	1,058
Tennessee	1,034	1,028	1,020	1,035	1,035	1,027	1,034
Texas	1,030	1,027	1,022	1,028	1,029	1,033	1,030
Utah	1,045	1,042	1,044	1,043	1,046	1,044	1,046
Vermont	1,031	1,031	1,011	1,032	1,029	1,026	1,027
Virginia	1,055	1,053	1,041	1,055	1,055	1,053	1,057
Washington	1,074	1,054	1,036	1,075	1,070	1,065	1,073
West Virginia	1,089	1,086	1,069	1,096	1,092	1,086	1,090
Wisconsin	1,044	1,042	1,032	1,046	1,045	1,039	1,044
Wyoming	1,066	1,052	1,039	1,052	1,056	1,056	1,054
Total	1,038	1,036	1,028	1,038	1,038	1,037	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						
	November	October	September	August	July	June	May
Alabama	1,029	1,030	1,030	1,030	1,032	1,032	1,031
Alaska	1,001	1,001	1,001	1,002	1,002	1,002	1,001
Arizona	1,041	1,042	1,040	1,038	1,038	1,036	1,038
Arkansas	1,014	1,029	1,019	1,022	1,023	1,020	1,022
California	1,037	1,035	1,037	1,037	1,037	1,037	1,033
Colorado	1,060	1,069	1,076	1,069	1,073	1,070	1,059
Connecticut	1,027	1,028	1,026	1,026	1,027	1,027	1,049
Delaware	1,051	1,051	1,043	1,044	1,044	1,055	1,055
District of Columbia	1,039	1,045	1,035	1,036	1,037	1,040	1,044
Florida	1,023	1,023	1,024	1,024	1,026	1,026	1,026
Georgia	1,026	1,028	1,029	1,028	1,030	1,031	1,028
Hawaii	996	996	989	965	1,011	1,005	990
Idaho	1,035	1,033	1,024	1,028	1,034	1,010	1,000
Illinois	1,030	1,028	1,028	1,027	1,027	1,027	1,029
Indiana	1,034	1,039	1,041	1,044	1,043	1,043	1,037
Iowa	1,057	1,058	1,058	1,059	1,059	1,060	1,054
Kansas	1,035	1,037	1,039	1,042	1,040	1,039	1,044
Kentucky	1,021	1,024	1,020	1,015	1,024	1,021	1,023
Louisiana	1,022	1,023	1,023	1,024	1,028	1,027	1,028
Maine	1,025	1,026	1,019	1,018	1,020	1,020	1,022
Maryland	1,049	1,053	1,050	1,049	1,055	1,057	1,058
Massachusetts	1,029	1,028	1,027	1,028	1,029	1,027	1,027
Michigan	1,041	1,034	1,036	1,035	1,034	1,033	1,028
Minnesota	1,045	1,041	1,039	1,041	1,043	1,047	1,044
Mississippi	1,029	1,028	1,031	1,029	1,030	1,030	1,032
Missouri	1,024	1,025	1,026	1,026	1,026	1,026	1,024
Montana	1,034	1,032	1,032	1,033	1,031	1,030	1,019
Nebraska	1,055	1,060	1,068	1,071	1,068	1,063	1,061
Nevada	1,043	1,043	1,044	1,043	1,044	1,045	1,043
New Hampshire	1,029	1,029	1,028	1,028	1,027	1,028	1,028
New Jersey	1,044	1,041	1,041	1,042	1,043	1,043	1,043
New Mexico	1,042	1,048	1,040	1,049	1,038	1,039	1,038
New York	1,032	1,032	1,032	1,031	1,031	1,032	1,032
North Carolina	1,033	1,040	1,038	1,037	1,038	1,033	1,035
North Dakota	1,097	1,093	1,078	1,095	1,117	1,089	1,084
Ohio	1,077	1,071	1,071	1,068	1,069	1,068	1,072
Oklahoma	1,047	1,049	1,049	1,047	1,050	1,049	1,048
Oregon	1,035	1,036	1,038	1,039	1,039	1,042	1,039
Pennsylvania	1,046	1,045	1,044	1,044	1,044	1,046	1,050
Rhode Island	1,028	1,028	1,028	1,028	1,028	1,028	1,028
South Carolina	1,030	1,031	1,031	1,029	1,031	1,030	1,030
South Dakota	1,053	1,053	1,056	1,060	1,062	1,059	1,054
Tennessee	1,031	1,032	1,025	1,023	1,027	1,025	1,025
Texas	1,033	1,036	1,036	1,035	1,036	1,036	1,036
Utah	1,044	1,044	1,042	1,043	1,043	1,043	1,043
Vermont	1,027	1,030	1,020	1,019	1,022	1,021	1,021
Virginia	1,051	1,053	1,055	1,054	1,056	1,055	1,055
Washington	1,069	1,064	1,066	1,065	1,070	1,069	1,065
West Virginia	1,114	1,090	1,102	1,099	1,099	1,096	1,107
Wisconsin	1,043	1,045	1,034	1,040	1,036	1,040	1,038
Wyoming	1,046	1,040	1,041	1,044	1,042	1,045	1,045
Total	1,038	1,037	1,037	1,036	1,037	1,037	1,037

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		
	April	March	February	January	Total	December	November
Alabama	1,032	1,029	1,026	1,028	1,025	1,028	1,029
Alaska	1,002	1,001	1,000	1,000	1,002	1,001	1,001
Arizona	1,040	1,036	1,038	1,038	1,029	1,032	1,032
Arkansas	1,025	1,023	1,023	1,021	1,024	1,017	1,011
California	1,034	1,033	1,035	1,034	1,029	1,034	1,035
Colorado	1,059	1,051	1,044	1,046	1,043	1,051	1,042
Connecticut	1,026	1,029	1,026	1,017	1,020	1,017	1,018
Delaware	1,051	1,062	1,061	1,061	1,054	1,064	1,063
District of Columbia	1,044	1,046	1,047	1,045	1,037	1,043	1,044
Florida	1,024	1,024	1,025	1,024	1,021	1,025	1,024
Georgia	1,026	1,025	1,026	1,025	1,022	1,025	1,026
Hawaii	959	947	954	968	958	962	974
Idaho	1,023	1,030	1,037	1,047	1,025	1,039	1,046
Illinois	1,028	1,029	1,030	1,027	1,021	1,024	1,023
Indiana	1,039	1,031	1,029	1,028	1,021	1,029	1,025
Iowa	1,051	1,047	1,047	1,045	1,038	1,045	1,044
Kansas	1,036	1,035	1,034	1,033	1,021	1,025	1,028
Kentucky	1,016	1,015	1,018	1,023	1,028	1,019	1,017
Louisiana	1,029	1,029	1,031	1,030	1,030	1,038	1,037
Maine	1,025	1,030	1,035	1,033	1,028	1,027	1,025
Maryland	1,051	1,058	1,061	1,059	1,050	1,057	1,057
Massachusetts	1,029	1,030	1,035	1,035	1,031	1,028	1,029
Michigan	1,035	1,030	1,026	1,027	1,021	1,029	1,026
Minnesota	1,037	1,033	1,034	1,041	1,033	1,040	1,038
Mississippi	1,037	1,031	1,033	1,036	1,029	1,034	1,035
Missouri	1,026	1,025	1,020	1,017	1,015	1,017	1,017
Montana	1,021	1,028	1,029	1,028	1,026	1,030	1,026
Nebraska	1,057	1,053	1,054	1,052	1,039	1,052	1,049
Nevada	1,043	1,041	1,040	1,040	1,034	1,037	1,036
New Hampshire	1,029	1,033	1,041	1,037	1,032	1,030	1,028
New Jersey	1,043	1,050	1,050	1,050	1,042	1,045	1,044
New Mexico	1,034	1,034	1,038	1,038	1,035	1,037	1,037
New York	1,034	1,034	1,035	1,034	1,031	1,033	1,032
North Carolina	1,035	1,030	1,028	1,030	1,018	1,029	1,028
North Dakota	1,084	1,072	1,078	1,036	1,064	1,096	1,105
Ohio	1,073	1,062	1,062	1,065	1,045	1,060	1,057
Oklahoma	1,045	1,044	1,043	1,042	1,040	1,041	1,041
Oregon	1,035	1,032	1,031	1,031	1,025	1,028	1,028
Pennsylvania	1,049	1,049	1,054	1,053	1,047	1,052	1,049
Rhode Island	1,029	1,029	1,029	1,029	1,029	1,029	1,029
South Carolina	1,029	1,028	1,028	1,030	1,024	1,029	1,028
South Dakota	1,051	1,047	1,048	1,048	1,035	1,048	1,048
Tennessee	1,027	1,029	1,029	1,028	1,026	1,028	1,029
Texas	1,034	1,029	1,028	1,026	1,030	1,030	1,031
Utah	1,049	1,047	1,046	1,039	1,041	1,037	1,038
Vermont	1,024	1,027	1,035	1,026	1,016	1,021	1,019
Virginia	1,045	1,051	1,053	1,056	1,041	1,054	1,055
Washington	1,062	1,060	1,054	1,052	1,043	1,050	1,049
West Virginia	1,103	1,069	1,084	1,097	1,073	1,094	1,077
Wisconsin	1,039	1,040	1,044	1,042	1,032	1,038	1,035
Wyoming	1,043	1,042	1,041	1,043	1,042	1,036	1,033
Total	1,037	1,036	1,036	1,036	1,030	1,035	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	2014						
	October	September	August	July	June	May	April
Alabama	1,027	1,029	1,027	1,026	1,025	1,024	1,021
Alaska	1,001	1,001	1,001	1,001	1,001	1,001	1,002
Arizona	1,033	1,032	1,032	1,030	1,028	1,028	1,031
Arkansas	1,018	1,019	1,021	1,021	1,019	1,017	1,018
California	1,034	1,033	1,031	1,028	1,028	1,029	1,028
Colorado	1,055	1,050	1,048	1,048	1,050	1,051	1,041
Connecticut	1,020	1,021	1,023	1,022	1,022	1,020	1,019
Delaware	1,063	1,062	1,065	1,063	1,049	1,045	1,051
District of Columbia	1,041	1,039	1,038	1,038	1,038	1,035	1,038
Florida	1,023	1,024	1,023	1,022	1,019	1,019	1,019
Georgia	1,026	1,027	1,023	1,023	1,022	1,021	1,018
Hawaii	968	990	978	951	947	947	947
Idaho	1,019	1,005	996	984	993	1,006	1,022
Illinois	1,021	1,021	1,020	1,022	1,020	1,020	1,020
Indiana	1,027	1,028	1,030	1,025	1,023	1,023	1,019
Iowa	1,046	1,044	1,047	1,043	1,039	1,040	1,036
Kansas	1,025	1,027	1,025	1,025	1,023	1,022	1,023
Kentucky	1,022	1,038	1,036	1,034	1,037	1,031	1,028
Louisiana	1,034	1,031	1,029	1,029	1,025	1,028	1,021
Maine	1,016	1,023	1,039	1,031	1,030	1,033	1,030
Maryland	1,052	1,049	1,051	1,051	1,052	1,047	1,049
Massachusetts	1,028	1,029	1,029	1,030	1,031	1,030	1,030
Michigan	1,023	1,022	1,028	1,015	1,019	1,020	1,017
Minnesota	1,040	1,046	1,051	1,042	1,042	1,038	1,034
Mississippi	1,033	1,035	1,036	1,035	1,034	1,030	1,026
Missouri	1,018	1,017	1,018	1,016	1,016	1,011	1,014
Montana	1,031	1,040	1,036	1,038	1,030	1,032	1,027
Nebraska	1,053	1,050	1,052	1,051	1,047	1,043	1,043
Nevada	1,036	1,033	1,035	1,033	1,033	1,032	1,034
New Hampshire	1,028	1,027	1,030	1,033	1,038	1,032	1,031
New Jersey	1,039	1,039	1,038	1,040	1,037	1,035	1,040
New Mexico	1,039	1,041	1,046	1,041	1,033	1,030	1,028
New York	1,032	1,031	1,031	1,031	1,031	1,031	1,031
North Carolina	1,025	1,022	1,024	1,017	1,014	1,016	1,015
North Dakota	1,100	1,123	1,106	1,078	1,079	1,083	1,077
Ohio	1,054	1,052	1,052	1,053	1,048	1,047	1,050
Oklahoma	1,043	1,044	1,042	1,042	1,043	1,040	1,037
Oregon	1,029	1,033	1,035	1,029	1,044	1,041	1,034
Pennsylvania	1,044	1,045	1,046	1,046	1,044	1,044	1,046
Rhode Island	1,030	1,027	1,029	1,029	1,023	1,028	1,030
South Carolina	1,027	1,028	1,024	1,022	1,023	1,022	1,022
South Dakota	1,049	1,045	1,045	1,039	1,041	1,039	1,036
Tennessee	1,027	1,024	1,020	1,032	1,031	1,032	1,027
Texas	1,033	1,033	1,036	1,033	1,032	1,029	1,026
Utah	1,041	1,040	1,040	1,038	1,036	1,038	1,044
Vermont	1,015	1,015	1,018	1,011	1,031	1,026	1,014
Virginia	1,046	1,038	1,040	1,041	1,040	1,038	1,041
Washington	1,045	1,046	1,047	1,049	1,050	1,045	1,042
West Virginia	1,082	1,119	1,106	1,099	1,095	1,094	1,111
Wisconsin	1,034	1,034	1,034	1,029	1,032	1,033	1,032
Wyoming	1,030	1,031	1,031	1,025	1,026	1,029	1,031
Total	1,033	1,033	1,033	1,032	1,030	1,030	1,029

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		
	March	February	January
Alabama	1,019	1,017	1,018
Alaska	1,001	1,004	1,002
Arizona	1,026	1,025	1,024
Arkansas	1,015	1,015	1,017
California	1,024	1,023	1,025
Colorado	1,038	1,036	1,030
Connecticut	1,016	1,015	1,015
Delaware	1,048	1,048	1,052
District of Columbia	1,031	1,035	1,041
Florida	1,018	1,018	1,018
Georgia	1,018	1,018	1,018
Hawaii	947	946	947
Idaho	1,030	1,036	1,048
Illinois	1,020	1,020	1,020
Indiana	1,019	1,017	1,016
Iowa	1,034	1,033	1,034
Kansas	1,019	1,017	1,017
Kentucky	1,026	1,024	1,029
Louisiana	1,018	1,016	1,017
Maine	1,030	1,030	1,029
Maryland	1,045	1,048	1,053
Massachusetts	1,031	1,032	1,035
Michigan	1,021	1,021	1,019
Minnesota	1,033	1,027	1,031
Mississippi	1,019	1,014	1,019
Missouri	1,014	1,013	1,013
Montana	1,030	1,030	1,034
Nebraska	1,037	1,034	1,034
Nevada	1,032	1,033	1,033
New Hampshire	1,031	1,033	1,037
New Jersey	1,045	1,047	1,050
New Mexico	1,027	1,029	1,030
New York	1,032	1,031	1,032
North Carolina	1,017	1,018	1,016
North Dakota	1,074	1,084	1,087
Ohio	1,041	1,042	1,044
Oklahoma	1,039	1,036	1,036
Oregon	1,010	1,012	1,013
Pennsylvania	1,048	1,050	1,052
Rhode Island	1,031	1,032	1,031
South Carolina	1,022	1,021	1,022
South Dakota	1,035	1,034	1,034
Tennessee	1,021	1,020	1,020
Texas	1,028	1,022	1,027
Utah	1,045	1,044	1,044
Vermont	1,015	1,009	1,013
Virginia	1,039	1,040	1,044
Washington	1,041	1,037	1,035
West Virginia	1,065	1,073	1,073
Wisconsin	1,035	1,033	1,031
Wyoming	1,030	1,032	1,034
Total	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	702	665	757	841	443
2014	749	742	909	1,002	562
2015	583	509	596	653	325
% Diff (normal to 2015)	-17.0	-23.5	-21.3	-22.4	-26.6
% Diff (2014 to 2015)	-22.2	-31.4	-34.4	-34.8	-42.2
December					
Normal	1,044	995	1,136	1,250	700
2014	902	888	1,000	1,093	608
2015	681	607	766	953	370
% Diff (normal to 2015)	-34.8	-39.0	-32.6	-23.8	-47.1
% Diff (2014 to 2015)	-24.5	-31.6	-23.4	-12.8	-39.1
January					
Normal	1,208	1,155	1,303	1,392	803
2015	1,285	1,239	1,313	1,256	814
2016	1,090	1,094	1,213	1,290	824
% Diff (normal to 2016)	-9.8	-5.3	-6.9	-7.3	2.6
% Diff (2015 to 2016)	-15.2	-11.7	-7.6	2.7	1.2
February					
Normal	1,064	1,012	1,095	1,114	658
2015	1,414	1,336	1,445	1,351	876
2016	957	916	988	971	632
% Diff (normal to 2016)	-10.1	-9.5	-9.8	-12.8	-4.0
% Diff (2015 to 2016)	-32.3	-31.4	-31.6	-28.1	-27.9
March					
Normal	887	823	865	858	484
2015	1,070	978	937	790	489
2016	724	622	665	655	328
% Diff (normal to 2016)	-18.4	-24.4	-23.1	-23.7	-32.2
% Diff (2015 to 2016)	-32.3	-36.4	-29.0	-17.1	-32.9
November to March					
Normal	4,905	4,650	5,156	5,455	3,088
2015	5,420	5,183	5,604	5,492	3,349
2016	4,035	3,748	4,228	4,522	2,479
% Diff (normal to 2016)	-17.7	-19.4	-18.0	-17.1	-19.7
% Diff (2015 to 2016)	-25.6	-27.7	-24.6	-17.7	-26.0

See footnotes at end of table.

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

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	454	305	739	366	589
2014	618	406	700	268	662
2015	322	229	731	393	486
% Diff (normal to 2015)	-29.1	-24.9	-1.1	7.4	-17.5
% Diff (2014 to 2015)	-47.9	-43.6	4.4	46.6	-26.6
December					
Normal	722	537	999	531	885
2014	620	442	883	437	770
2015	401	364	990	559	640
% Diff (normal to 2015)	-44.5	-32.2	-0.9	5.3	-27.7
% Diff (2014 to 2015)	-35.3	-17.7	12.1	27.9	-16.9
January					
Normal	829	612	1,026	532	991
2015	824	628	901	389	965
2016	841	564	979	501	937
% Diff (normal to 2016)	1.5	-7.8	-4.6	-5.8	-5.5
% Diff (2015 to 2016)	2.1	-10.2	8.7	28.8	-2.9
February					
Normal	650	441	829	426	818
2015	892	551	697	274	990
2016	601	335	700	274	711
% Diff (normal to 2016)	-7.5	-24.0	-15.6	-35.7	-13.1
% Diff (2015 to 2016)	-32.6	-39.2	0.4	0.0	-28.2
March					
Normal	459	275	695	392	649
2015	442	289	522	195	643
2016	321	181	581	317	495
% Diff (normal to 2016)	-30.1	-34.2	-16.4	-19.1	-23.7
% Diff (2015 to 2016)	-27.4	-37.4	11.3	62.6	-23.0
November to March					
Normal	3,114	2,170	4,288	2,247	3,932
2015	3,396	2,316	3,703	1,563	4,030
2016	2,486	1,673	3,981	2,044	3,269
% Diff (normal to 2016)	-20.2	-22.9	-7.2	-9.0	-16.9
% Diff (2015 to 2016)	-26.8	-27.8	7.5	30.8	-18.9

^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.

This page intentionally blank.

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 on the Form EIA-895 and estimates from the Form EIA-176. 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:

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

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.

This page intentionally blank.

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:

$$[\text{Quarterly Daily Shale Production Rate (MMcf/day)} \times \text{Number of Days in Quarter} \times 1000] \times [\text{Month Gross Production Volume} / \text{Quarter Gross Production Volume}]$$

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.

This page intentionally blank.

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, the 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 $\sum_{i \in s} y_{ij} / \sum_{i \in s} x_{ij}$ 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 $\sum_{i \in s} y_{ij} / \sum_{i \in s} x_{ij}$ 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:

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

where:

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

$\sigma_e^2 = \sum_{i=1}^n \sigma_{0i}^2 / (n - 1)$, 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:

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

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,

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

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

$Cov(V_j, R_j)$ = 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, February 2016

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.4	1.9	1.6	1.1	0.18	0.20	0.15
Alaska	0.0	1.8	2.7	NA	0.00	0.19	0.00
Arizona	1.7	3.2	1.0	1.4	0.34	0.11	0.05
Arkansas	3.0	1.7	5.1	2.2	0.22	0.23	0.38
California	2.2	1.7	0.3	0.9	0.80	0.55	0.32
Colorado	1.3	0.4	1.1	0.8	0.09	0.08	0.07
Connecticut	0.8	0.5	1.8	0.5	0.04	0.12	0.02
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	0.9	0.6	0.8	0.5	0.17	0.20	0.17
Georgia	0.0	0.0	3.9	0.0	0.03	0.03	0.63
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.3	0.4	0.0	0.2	0.02	0.02	0.00
Illinois	0.3	0.1	1.0	0.3	0.10	0.12	0.19
Indiana	0.6	0.4	1.4	0.7	0.05	0.04	0.38
Iowa	0.8	1.7	1.6	0.9	0.13	0.19	NA
Kansas	1.6	1.2	1.7	1.0	0.06	0.13	0.65
Kentucky	0.4	0.5	1.4	0.7	0.08	0.07	0.16
Louisiana	1.8	1.9	0.8	0.7	0.15	0.14	0.13
Maine	0.0	0.0	NA	NA	0.00	0.00	0.00
Maryland	0.3	1.7	1.8	0.7	0.09	0.13	0.58
Massachusetts	0.3	0.4	2.2	0.4	0.16	0.16	0.23
Michigan	0.4	1.0	1.2	0.4	0.05	0.06	0.09
Minnesota	NA	0.9	NA	NA	0.05	0.03	0.07
Mississippi	1.3	1.0	2.7	1.7	0.08	0.11	0.21
Missouri	0.5	0.4	NA	NA	0.03	0.04	NA
Montana	0.6	0.5	8.5	2.4	0.02	0.09	0.00
Nebraska	0.5	0.7	1.2	0.5	0.19	0.15	0.24
Nevada	0.0	0.0	0.6	0.1	0.00	0.00	0.07
New Hampshire	0.0	0.0	NA	NA	0.00	0.00	0.21
New Jersey	0.0	0.0	0.8	0.1	0.00	0.00	0.20
New Mexico	1.7	0.7	2.4	1.0	0.04	0.07	NA
New York	0.0	0.0	1.0	0.0	0.07	0.05	0.32
North Carolina	0.2	0.4	0.6	0.2	0.03	0.04	0.11
North Dakota	0.7	1.1	6.4	2.7	0.05	0.05	0.00
Ohio	0.0	0.0	2.1	0.0	0.04	0.02	0.39
Oklahoma	NA	NA	NA	NA	0.02	0.10	0.23
Oregon	0.0	0.0	2.5	0.9	0.00	0.00	0.00
Pennsylvania	0.5	0.8	2.0	0.6	0.10	0.08	0.30
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.3	2.3	2.0	1.0	0.17	0.20	0.19
South Dakota	1.4	1.4	0.6	0.6	0.17	0.16	0.06
Tennessee	0.4	0.6	0.7	0.3	0.11	0.10	0.08
Texas	1.2	1.2	0.7	0.5	0.08	0.08	0.01
Utah	0.3	0.1	0.4	0.2	0.00	0.00	0.32
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.2	1.2	1.9	0.8	0.16	0.24	0.31
Washington	0.6	0.9	3.2	1.1	0.13	0.06	0.08
West Virginia	1.2	0.9	5.3	1.6	0.11	0.11	1.48
Wisconsin	0.4	0.9	0.5	0.3	0.05	0.05	0.02
Wyoming	3.7	4.7	1.2	1.4	0.23	0.29	0.26
Total	0.2	0.2	0.3	0.1	0.05	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."

This page intentionally blank.

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.