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Preface

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

The data in this publication are collected on surveys conducted by 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.

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Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through January 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	E2,769	E2,399	133	E2,266	5	R135	725	R*	3,130
February	E2,512	E2,185	125	E2,060	6	109	741	37	2,952
March	E2,820	E2,439	142	E2,297	5	93	194	29	2,617
April	E2,742	E2,378	142	E2,236	5	75	-321	42	2,036
May	E2,776	E2,432	145	E2,287	5	70	-497	11	1,876
June	E2,677	E2,370	141	E2,229	5	68	-362	-20	1,920
July	E2,767	E2,459	146	E2,314	4	73	-283	-19	2,090
August	E2,766	E2,474	148	E2,326	4	69	-309	-15	2,074
September	E2,750	E2,407	144	E2,263	5	46	-372	-23	1,919
October	E2,818	E2,456	153	E2,303	5	68	-331	-42	2,003
November	RE2,744	RE2,376	149	RE2,227	6	R63	13	-50	R2,258
December	RE2,822	E2,440	151	E2,289	6	66	265	-27	2,598
Total	**RE32,963**	**RE28,813**	**1,718**	**RE27,095**	**60**	**R935**	**-539**	**R-78**	**27,473**
2016									
January	E2,825	E2,450	148	E2,301	5	105	728	-6	3,135

[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.

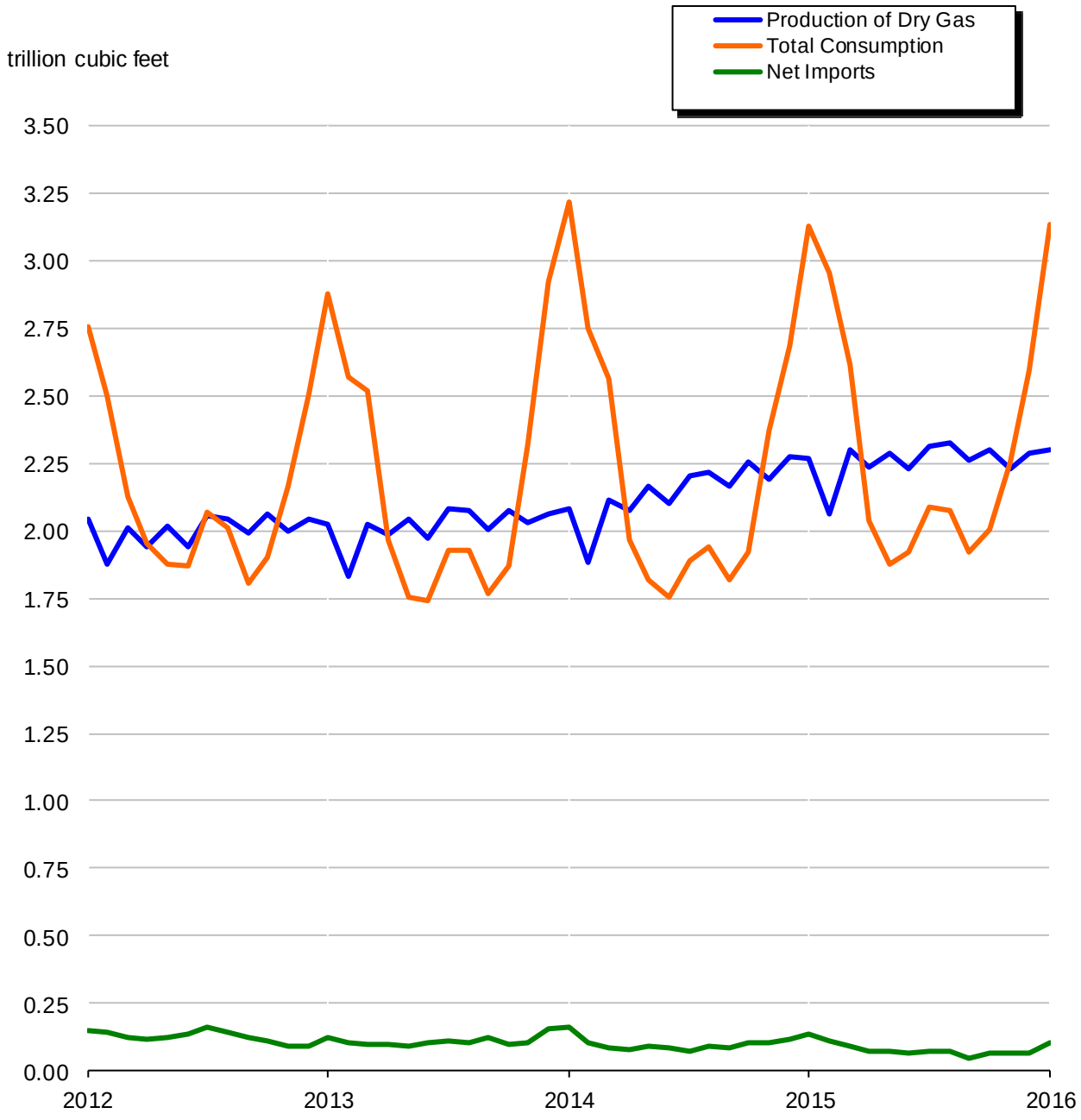
Notes: Data for 2011 through 2013 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Totals may not equal sum of components because of independent rounding.

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

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, 2012-2016



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	E132	E98	936	532	716	714	E3	2,901	3,130	1,036
February	E120	E92	904	520	662	651	E3	2,740	2,952	1,036
March	E134	E82	637	389	663	709	E3	2,401	2,617	1,036
April	E131	E64	325	237	609	668	E3	1,842	2,036	1,037
May	E133	E59	180	162	601	739	E3	1,684	1,876	1,037
June	E130	E60	124	135	574	893	E3	1,730	1,920	1,037
July	E135	E65	108	134	591	1,054	E3	1,889	2,090	1,037
August	E136	E65	102	136	597	1,035	E3	1,873	2,074	1,036
September	E132	E60	108	138	577	902	E3	1,727	1,919	1,037
October	E135	E63	201	193	612	798	E3	1,806	2,003	1,037
November	E130	E71	400	280	637	737	E3	2,057	R2,258	1,038
December	E134	E81	589	351	669	771	E3	2,383	2,598	1,038
Total	**E1,581**	**E860**	**4,612**	**3,206**	**7,508**	**9,671**	**E34**	**25,032**	**27,473**	**1,037**
2016										
January	E134	E98	890	510	723	777	E3	2,902	3,135	1,038

[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.

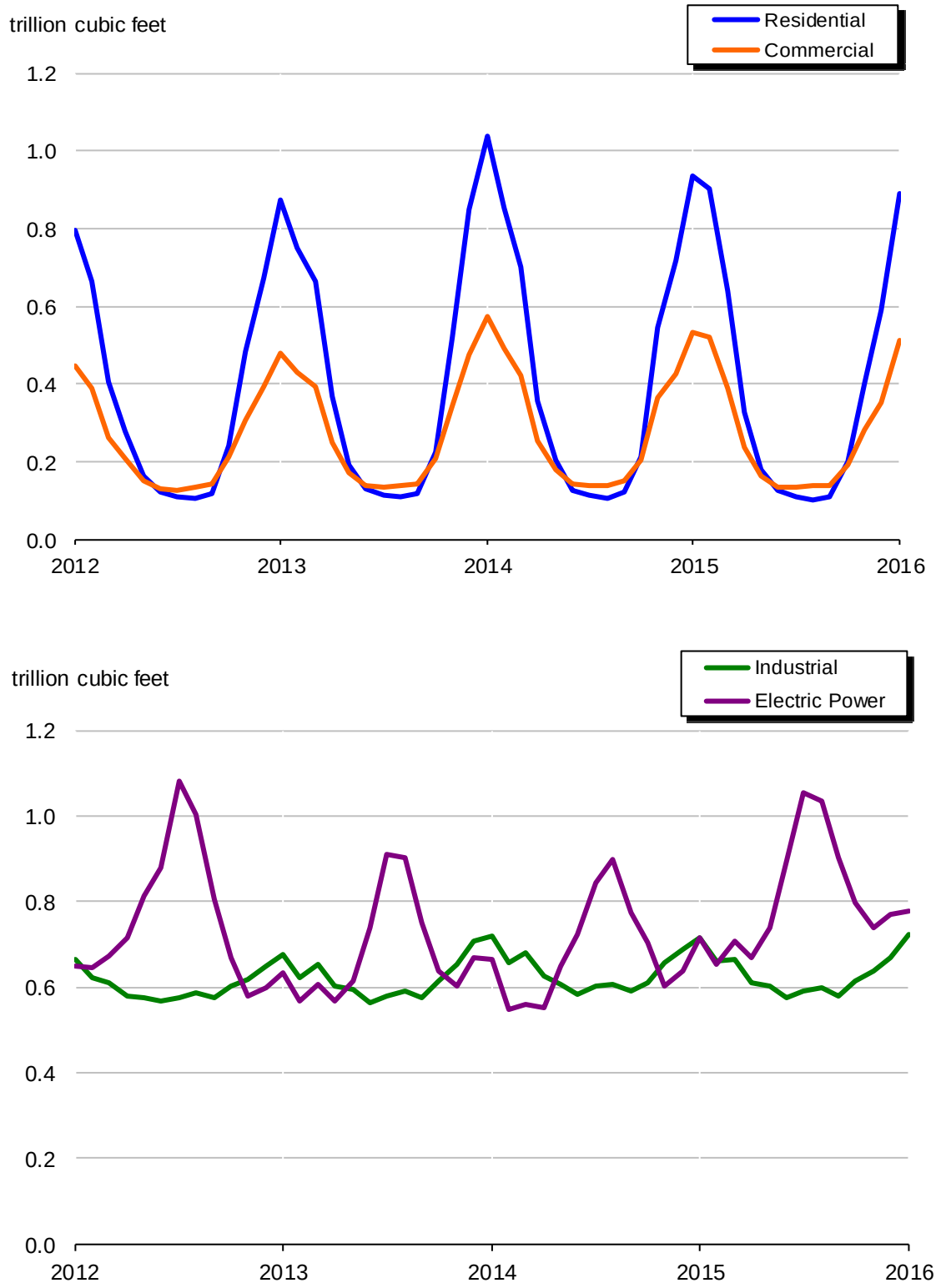
E Estimated data.

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, 2012-2016



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: Residential Price	Residential % of Total[c]	Commercial Price	Commercial % of Total[c]	Industrial Price	Industrial % of Total[c]	Electric Power Price[d]
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	3.50	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	R8.45	R55.1	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	R3.45	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**	**R65.9**	**3.84**	**15.9**	**3.37**
2016										
January	3.69	2.28	3.44	8.31	96.0	6.66	70.6	3.50	16.3	3.16

[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.

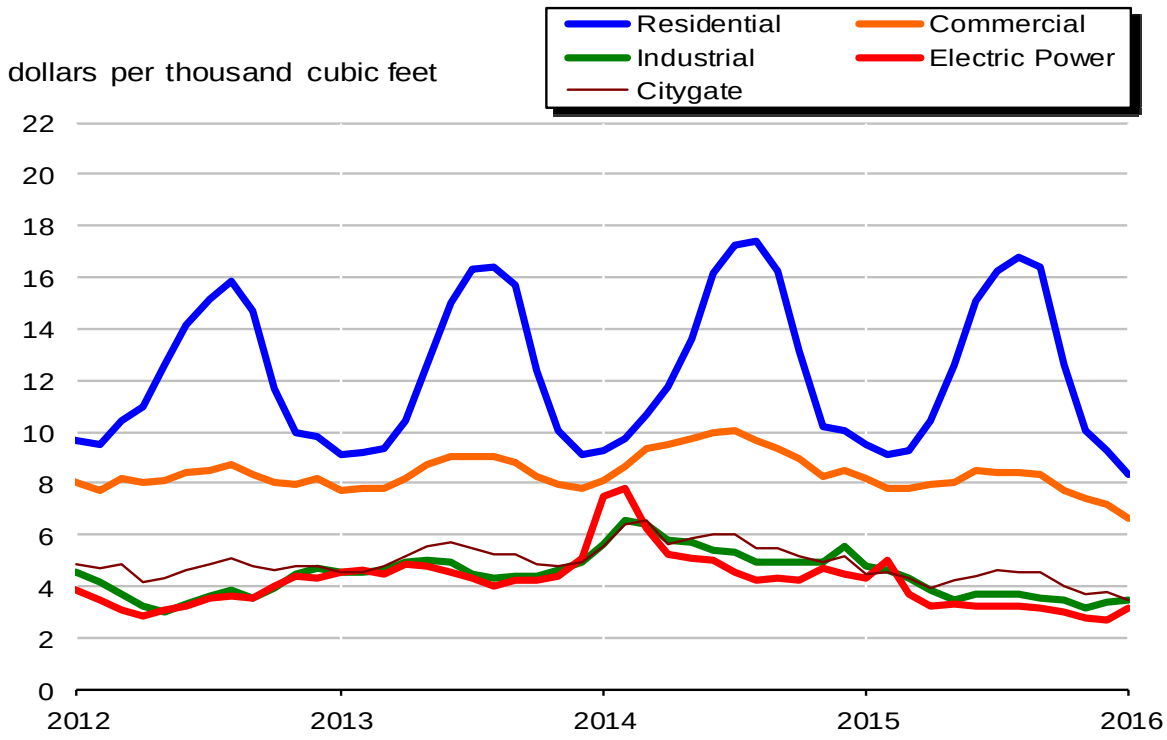
[d] The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

[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.

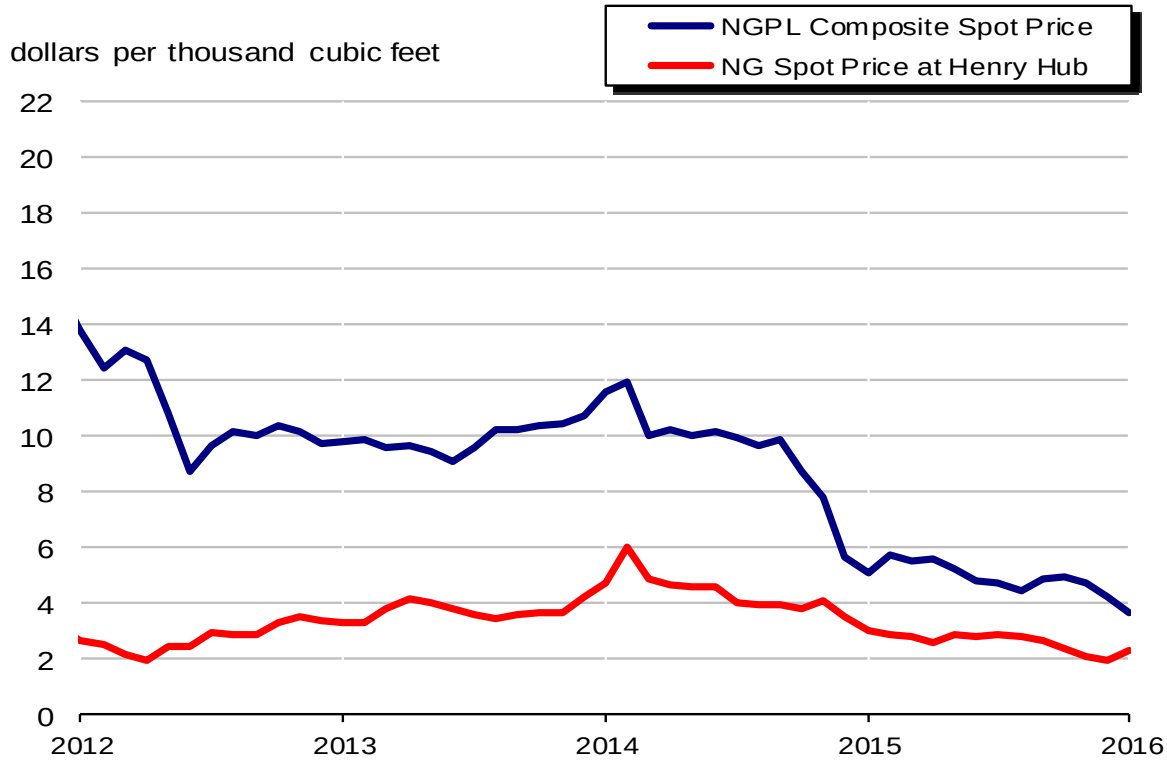
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2012-2016



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, 2012-2016



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					2015
	January	Total	December	November	October	September
Imports						
Volume (million cubic feet)						
Pipeline						
Canada[a]	260,569	2,625,504	221,550	210,632	217,493	203,066
Mexico	59	933	64	72	83	83
Total Pipeline Imports	**260,628**	**2,626,437**	**221,613**	**210,704**	**217,576**	**203,150**
LNG						
By Truck						
Canada	97	437	59	45	43	45
By Vessel						
Norway	0	12,194	3,105	3,097	5,992	0
Trinidad/Tobago	11,951	71,439	2,453	4,373	2,653	5,609
Yemen	0	7,441	0	0	0	0
Other	0	0	0	0	0	0
Total LNG Imports	**12,048**	**91,511**	**5,618**	**7,515**	**8,689**	**5,654**
CNG						
Canada	30	291	26	23	21	15
Total Imports	**272,707**	**2,718,239**	**227,257**	**218,242**	**226,286**	**208,818**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.42	2.84	2.13	2.19	2.37	2.49
Mexico	1.50	1.71	1.22	1.08	1.55	1.65
Total Pipeline Imports	**2.42**	**2.84**	**2.13**	**2.19**	**2.37**	**2.49**
LNG						
By Truck						
Canada	8.21	8.69	8.12	8.21	8.40	8.36
By Vessel						
Norway	--	8.56	2.31	2.13	15.12	--
Trinidad/Tobago	5.45	6.98	6.08	5.63	6.25	6.02
Yemen	--	9.10	--	--	--	--
Other	--	--	--	--	--	--
Total LNG Imports	**5.48**	**7.37**	**4.02**	**4.20**	**12.38**	**6.03**
CNG						
Canada	5.41	4.18	3.78	3.02	1.99	1.14
Total Imports	**2.80**	**R2.99**	**2.28**	**2.40**	**3.23**	**2.75**
Net Imports - Volume	**105,383**	**R934,727**	**65,503**	**R62,503**	**67,768**	**46,245**

See footnotes at end of table.

Table 4

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

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

						2015
	August	July	June	May	April	March
Imports						
Volume (million cubic feet)						
Pipeline						
Canada[a]	202,567	209,954	203,583	202,545	202,133	242,398
Mexico	82	80	73	78	76	77
Total Pipeline Imports	**202,649**	**210,034**	**203,656**	**202,623**	**202,209**	**242,475**
LNG						
By Truck						
Canada	44	41	41	34	39	46
By Vessel						
Norway	0	0	0	0	0	0
Trinidad/Tobago	11,161	7,133	2,557	1,673	2,844	11,770
Yemen	0	0	0	0	0	2,834
Other	0	0	0	0	0	0
Total LNG Imports	**11,205**	**7,173**	**2,598**	**1,707**	**2,883**	**14,651**
CNG						
Canada	21	21	19	19	28	38
Total Imports	**213,875**	**217,228**	**206,273**	**204,348**	**205,120**	**257,164**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.51	2.44	2.43	2.44	2.39	3.16
Mexico	1.84	1.83	1.88	1.58	1.64	1.93
Total Pipeline Imports	**2.51**	**2.44**	**2.43**	**2.44**	**2.39**	**3.16**
LNG						
By Truck						
Canada	8.76	8.43	9.03	8.95	9.50	9.51
By Vessel						
Norway	--	--	--	--	--	--
Trinidad/Tobago	3.43	4.51	6.24	5.98	8.29	8.26
Yemen	--	--	--	--	--	7.42
Other	--	--	--	--	--	--
Total LNG Imports	**3.45**	**4.53**	**6.29**	**6.04**	**8.31**	**8.10**
CNG						
Canada	0.52	0.45	0.79	0.88	2.02	8.55
Total Imports	**2.74**	**2.66**	**2.56**	**2.52**	**2.59**	**3.90**
Net Imports - Volume	**68,991**	**73,409**	**68,093**	**70,074**	**74,792**	**93,197**

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
	February	January	Total	December	November	October
Imports						
Volume (million cubic feet)						
Pipeline						
Canada[a]	241,917	267,666	2,634,375	245,603	227,362	213,743
Mexico	79	85	1,426	91	95	115
Total Pipeline Imports	**241,996**	**267,751**	**2,635,801**	**245,694**	**227,457**	**213,858**
LNG						
By Truck						
Canada	0	0	132	28	0	63
By Vessel						
Norway	0	0	5,616	2,995	0	2,621
Trinidad/Tobago	9,830	9,382	42,818	4,988	0	4,289
Yemen	2,373	2,234	8,006	0	0	0
Other	0	0	2,703	0	0	0
Total LNG Imports	**12,202**	**11,616**	**59,275**	**8,011**	**0**	**6,973**
CNG						
Canada	32	30	303	32	28	27
Total Imports	**254,230**	**279,397**	**2,695,378**	**253,736**	**227,485**	**220,858**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	4.82	4.01	5.22	4.10	3.97	3.69
Mexico	1.93	2.24	3.45	3.30	2.74	3.02
Total Pipeline Imports	**4.82**	**4.01**	**5.21**	**4.10**	**3.97**	**3.69**
LNG						
By Truck						
Canada	--	--	10.00	9.10	--	10.69
By Vessel						
Norway	--	--	4.47	4.62	--	4.30
Trinidad/Tobago	9.06	10.90	9.71	9.14	--	4.74
Yemen	9.41	10.88	5.88	--	--	--
Other	--	--	12.95	--	--	--
Total LNG Imports	**9.13**	**10.90**	**8.85**	**7.45**	**--**	**4.63**
CNG						
Canada	9.12	8.91	12.37	12.43	4.18	1.96
Total Imports	**5.46**	**4.75**	**5.30**	**4.44**	**3.97**	**3.87**
Net Imports - Volume	**109,275**	**R134,875**	**1,181,137**	**116,754**	**106,623**	**105,789**

See footnotes at end of table.

Table 4

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

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

						2014
	September	August	July	June	May	April
Imports						
Volume (million cubic feet)						
Pipeline						
Canada[a]	195,743	204,845	194,729	191,701	203,713	197,519
Mexico	113	124	121	127	128	114
Total Pipeline Imports	**195,856**	**204,968**	**194,850**	**191,829**	**203,841**	**197,634**
LNG						
By Truck						
Canada	0	0	0	0	0	0
By Vessel						
Norway	0	0	0	0	0	0
Trinidad/Tobago	2,874	1,567	6,305	7,097	0	3,006
Yemen	2,871	0	0	0	2,806	0
Other	0	0	0	2,703	0	0
Total LNG Imports	**5,745**	**1,567**	**6,305**	**9,800**	**2,806**	**3,006**
CNG						
Canada	22	19	20	26	9	29
Total Imports	**201,622**	**206,554**	**201,176**	**201,655**	**206,657**	**200,669**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.85	3.80	4.16	4.52	4.50	4.66
Mexico	3.00	2.84	3.41	3.61	3.77	3.58
Total Pipeline Imports	**3.85**	**3.80**	**4.16**	**4.52**	**4.50**	**4.66**
LNG						
By Truck						
Canada	--	--	--	--	--	--
By Vessel						
Norway	--	--	--	--	--	--
Trinidad/Tobago	11.71	6.56	11.80	9.54	--	17.34
Yemen	5.75	--	--	--	5.99	--
Other	--	--	--	12.95	--	--
Total LNG Imports	**8.73**	**6.56**	**11.80**	**10.48**	**5.99**	**17.34**
CNG						
Canada	4.76	6.95	6.44	9.03	6.95	8.91
Total Imports	**4.24**	**3.87**	**4.77**	**5.32**	**4.60**	**5.11**
Net Imports - Volume	**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.

[R] Revised data.

-- Not applicable.

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

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

Table 5

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

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

	2016					2015
	January	Total	December	November	October	September
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	66,784	R700,647	58,603	R61,260	57,430	59,695
Mexico	100,489	1,054,271	99,952	91,490	98,314	100,111
Total Pipeline Exports	**167,274**	**R1,754,918**	**158,555**	**R152,750**	**155,744**	**159,806**
LNG						
Exports						
By Vessel						
Japan	0	8,262	0	0	2,755	0
Taiwan	0	8,257	0	0	0	2,755
By Truck						
Canada	2	41	0	1	0	2
Mexico	25	195	27	21	14	11
Re-Exports						
By Vessel						
Brazil	0	5,533	0	0	0	0
Egypt	0	2,947	0	2,947	0	0
Turkey	0	3,145	3,145	0	0	0
Total LNG Exports	**26**	**28,381**	**3,172**	**2,969**	**2,769**	**2,767**
CNG						
Canada	25	214	27	20	4	0
Total CNG Exports	**25**	**214**	**27**	**20**	**4**	**0**
Total Exports	**167,325**	**R1,783,512**	**161,754**	**R155,739**	**158,517**	**162,573**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.67	R3.15	2.30	2.50	2.76	2.97
Mexico	2.45	2.81	2.30	2.26	2.61	2.77
Total Pipeline Exports	**2.54**	**R2.95**	**2.30**	**R2.36**	**2.66**	**2.84**
LNG						
Exports						
By Vessel						
Japan	--	7.50	--	--	6.51	--
Taiwan	--	7.49	--	--	--	7.16
By Truck						
Canada	7.41	12.36	--	6.81	--	10.18
Mexico	10.96	10.44	10.90	10.59	10.48	9.81
Re-Exports						
By Vessel						
Brazil	--	15.19	--	--	--	--
Egypt	--	16.71	--	16.71	--	--
Turkey	--	15.99	15.99	--	--	--
Total LNG Exports	**10.74**	**10.92**	**15.95**	**16.67**	**6.53**	**7.17**
CNG						
Canada	5.09	5.73	5.46	4.80	3.42	--
Total CNG Exports	**5.09**	**5.73**	**5.46**	**4.80**	**3.42**	**--**
Total Exports	**2.54**	**3.07**	**2.57**	**2.63**	**2.73**	**2.92**

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
	August	**July**	**June**	**May**	**April**	**March**
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	40,986	39,995	44,658	44,672	53,086	89,639
Mexico	101,131	101,031	90,724	86,805	77,196	74,286
Total Pipeline Exports	**142,117**	**141,027**	**135,382**	**131,477**	**130,283**	**163,925**
LNG						
Exports						
By Vessel						
Japan	2,753	2,753	0	0	0	0
Taiwan	0	0	2,754	2,748	0	0
By Truck						
Canada	0	5	6	6	7	6
Mexico	10	13	14	15	18	17
Re-Exports						
By Vessel						
Brazil	0	0	0	0	0	0
Egypt	0	0	0	0	0	0
Turkey	0	0	0	0	0	0
Total LNG Exports	**2,763**	**2,771**	**2,774**	**2,769**	**24**	**23**
CNG						
Canada	5	23	23	28	21	20
Total CNG Exports	**5**	**23**	**23**	**28**	**21**	**20**
Total Exports	**144,885**	**143,820**	**138,179**	**134,274**	**130,328**	**163,967**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.97	2.84	2.85	2.85	2.91	3.71
Mexico	3.00	3.01	2.94	2.86	2.77	3.03
Total Pipeline Exports	**2.99**	**2.96**	**2.91**	**2.85**	**2.83**	**3.40**
LNG						
Exports						
By Vessel						
Japan	7.90	8.08	--	--	--	--
Taiwan	--	--	7.80	7.50	--	--
By Truck						
Canada	--	13.39	12.01	12.14	11.88	12.77
Mexico	9.94	9.96	10.01	9.96	10.03	10.52
Re-Exports						
By Vessel						
Brazil	--	--	--	--	--	--
Egypt	--	--	--	--	--	--
Turkey	--	--	--	--	--	--
Total LNG Exports	**7.91**	**8.10**	**7.82**	**7.53**	**10.53**	**11.10**
CNG						
Canada	2.08	2.91	2.44	2.37	3.35	10.08
Total CNG Exports	**2.08**	**2.91**	**2.44**	**2.37**	**3.35**	**10.08**
Total Exports	**3.09**	**3.06**	**3.01**	**2.95**	**2.83**	**3.41**

See footnotes at end of table.

Table 5

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

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

	2015					2014
	February	January	Total	December	November	October
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	77,594	R73,028	769,258	73,331	62,327	51,838
Mexico	64,596	68,635	728,513	63,601	58,487	60,318
Total Pipeline Exports	**142,190**	R**141,663**	**1,497,771**	**136,932**	**120,814**	**112,156**
LNG						
Exports						
By Vessel						
Japan	0	0	13,310	0	0	2,884
Taiwan	0	0	0	0	0	0
By Truck						
Canada	4	6	99	8	7	7
Mexico	16	21	181	20	20	13
Re-Exports						
By Vessel						
Brazil	2,728	2,805	2,664	0	0	0
Egypt	0	0	0	0	0	0
Turkey	0	0	0	0	0	0
Total LNG Exports	**2,748**	**2,832**	**16,255**	**28**	**27**	**2,904**
CNG						
Canada	17	27	217	22	20	9
Total CNG Exports	**17**	**27**	**217**	**22**	**20**	**9**
Total Exports	**144,955**	R**144,522**	**1,514,242**	**136,982**	**120,861**	**115,069**
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	4.39	R3.63	6.10	4.28	4.64	3.96
Mexico	3.10	3.38	4.65	4.19	4.23	4.20
Total Pipeline Exports	**3.81**	R**3.51**	**5.40**	**4.24**	**4.44**	**4.09**
LNG						
Exports						
By Vessel						
Japan	--	--	15.74	--	--	15.12
Taiwan	--	--	--	--	--	--
By Truck						
Canada	12.77	13.27	14.48	14.55	13.70	13.83
Mexico	10.62	11.27	12.50	13.08	11.65	11.44
Re-Exports						
By Vessel						
Brazil	12.89	17.44	15.51	--	--	--
Egypt	--	--	--	--	--	--
Turkey	--	--	--	--	--	--
Total LNG Exports	**12.87**	**17.39**	**15.66**	**13.50**	**12.17**	**15.10**
CNG						
Canada	10.53	11.89	12.40	14.30	3.47	3.47
Total CNG Exports	**10.53**	**11.89**	**12.40**	**14.30**	**3.47**	**3.47**
Total Exports	**3.98**	R**3.78**	**5.51**	**4.25**	**4.44**	**4.37**

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

See footnotes at end of table.

Table 5

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			
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			
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	E91,710	E18,830	E140,307	E25,985	E164,588	E4,919	E103,308	E45,804	E64,049
February	254,492	E79,498	E16,782	E128,545	E23,264	E149,445	E4,468	E98,290	E41,581	E60,157
March	299,987	E90,420	E18,716	E141,766	E26,116	E168,278	E4,876	E109,373	E47,333	E69,570
April	284,700	E87,712	E18,060	E136,232	E24,831	E161,941	E4,909	E107,584	E46,172	E70,792
May	261,377	E89,202	E18,725	E140,185	E25,365	E162,931	E4,994	E111,615	E50,219	E77,865
June	223,020	E84,409	E17,881	E136,442	E24,458	E154,206	E4,784	E107,359	E49,171	E84,693
July	221,340	E85,763	E19,225	E139,822	E24,842	E159,456	E4,941	E109,430	E51,167	E88,406
August	204,073	E83,954	E19,655	E143,397	E24,864	E166,570	E4,756	E112,061	E50,537	E87,904
September	261,150	E81,546	E18,928	E138,325	E23,819	E164,270	E4,573	E109,134	E47,895	E89,371
October	279,434	E83,309	E18,868	E144,845	E23,559	E166,973	E4,827	E112,013	E50,958	E104,127
November	289,770	RE79,289	RE18,261	RE139,733	RE22,451	RE161,374	RE4,562	RE107,683	RE49,659	RE104,731
December	304,048	RE80,477	RE18,863	RE141,970	RE22,832	RE162,162	RE4,607	RE102,098	RE51,177	RE112,921
Total	**3,175,163**	**RE1,017,287**	**RE222,794**	**RE1,671,568**	**RE292,387**	**RE1,942,197**	**RE57,216**	**RE1,289,947**	**RE581,672**	**RE1,014,585**
2016										
January	298,809	E77,797	E18,912	E143,247	E22,473	E159,098	E4,513	E99,727	E49,932	E112,078

See footnotes at end of table.

Table 6

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	E206,817	E403,366	E731,831	E37,635	E110,332	E166,395	E50,382	E110,535	E2,768,566
February	E186,741	E366,314	E673,092	E35,449	E98,200	E151,354	E46,120	E98,417	E2,512,207
March	E216,067	E408,929	E746,691	E39,560	E113,381	E170,891	E48,777	E99,298	E2,820,029
April	E209,983	E387,909	E726,293	E37,987	E110,279	E167,669	E46,553	E112,708	E2,742,316
May	E214,639	E385,252	E743,980	E38,572	E120,138	E166,769	E48,322	E116,245	E2,776,393
June	E211,079	E372,179	E731,065	E36,706	E113,604	E164,585	E49,835	E111,473	E2,676,949
July	E217,883	E398,737	E752,341	E35,984	E115,055	E168,548	E52,422	E121,847	E2,767,207
August	E213,529	E408,325	E754,086	E33,029	E114,871	E167,539	E52,053	E124,795	E2,765,998
September	E204,298	E396,931	E731,049	E30,933	E111,932	E162,880	E51,181	E122,038	E2,750,252
October	E209,342	E404,431	E739,603	E31,404	E108,711	E167,555	E51,756	E116,075	E2,817,792
November	RE201,517	RE406,585	RE713,058	RE30,910	RE96,829	RE161,812	E49,472	RE106,086	RE2,743,783
December	RE207,186	RE432,409	RE717,543	RE34,133	RE105,413	RE163,061	RE49,320	RE111,698	RE2,821,918
Total	**RE2,499,081**	**RE4,771,366**	**RE8,760,633**	**RE422,301**	**RE1,318,746**	**RE1,979,058**	**RE596,193**	**RE1,351,216**	**RE32,963,410**
2016									
January	E211,209	E450,180	E708,032	E34,156	E114,235	E161,186	E49,405	E110,209	E2,825,197

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	E91,710	E18,830	E140,307	E25,985	E163,798	E4,919	E99,878	E36,249	E64,049
February	27,510	E79,498	E16,782	E128,545	E23,264	E148,728	E4,468	E95,026	E32,907	E60,157
March	30,523	E90,420	E18,716	E141,766	E26,116	E167,471	E4,876	E105,742	E37,459	E69,570
April	29,759	E87,712	E18,060	E136,232	E24,831	E161,164	E4,909	E104,012	E36,541	E70,792
May	29,124	E89,202	E18,725	E140,185	E25,365	E162,149	E4,994	E107,909	E39,743	E77,865
June	26,000	E84,409	E17,881	E136,442	E24,458	E153,466	E4,784	E103,795	E38,914	E84,693
July	26,682	E85,763	E19,225	E139,822	E24,842	E158,691	E4,941	E105,797	E40,494	E88,406
August	25,176	E83,954	E19,655	E143,397	E24,864	E165,771	E4,756	E108,340	E39,995	E87,904
September	27,600	E81,546	E18,928	E138,325	E23,819	E163,482	E4,573	E105,510	E37,904	E89,371
October	29,182	E83,309	E18,868	E144,845	E23,559	E166,172	E4,827	E108,294	E40,328	E104,127
November	R29,587	RE79,289	RE18,261	RE139,733	RE22,451	RE160,600	RE4,562	RE104,108	RE39,300	RE104,731
December	30,941	RE80,477	RE18,863	RE141,970	RE22,832	RE161,383	RE4,607	RE98,709	RE40,501	RE112,921
Total	**R343,352**	**RE1,017,287**	**RE222,794**	**RE1,671,568**	**RE292,387**	**RE1,932,874**	**RE57,216**	**RE1,247,120**	**RE460,335**	**RE1,014,585**
2016										
January	30,686	E77,797	E18,912	E143,247	E22,473	E158,335	E4,513	E96,416	E39,516	E112,078

See footnotes at end of table.

Table 7

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	RE201,517	RE406,585	RE640,540	RE30,910	RE96,829	RE144,256	E47,874	RE104,494	RE2,375,628
December	RE207,186	RE432,409	RE644,569	RE34,133	RE105,413	RE145,369	RE47,727	RE110,023	RE2,440,033
Total	**RE2,499,081**	**RE4,771,366**	**RE7,869,677**	**RE422,301**	**RE1,318,746**	**RE1,764,331**	**RE576,936**	**RE1,330,948**	**RE28,812,904**
2016									
January	E211,209	E450,180	E636,025	E34,156	E114,235	E143,698	E47,809	E108,555	E2,449,839

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)

	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
Year and Month	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	2,950	7,311	534	22.1	66	794	728

[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.

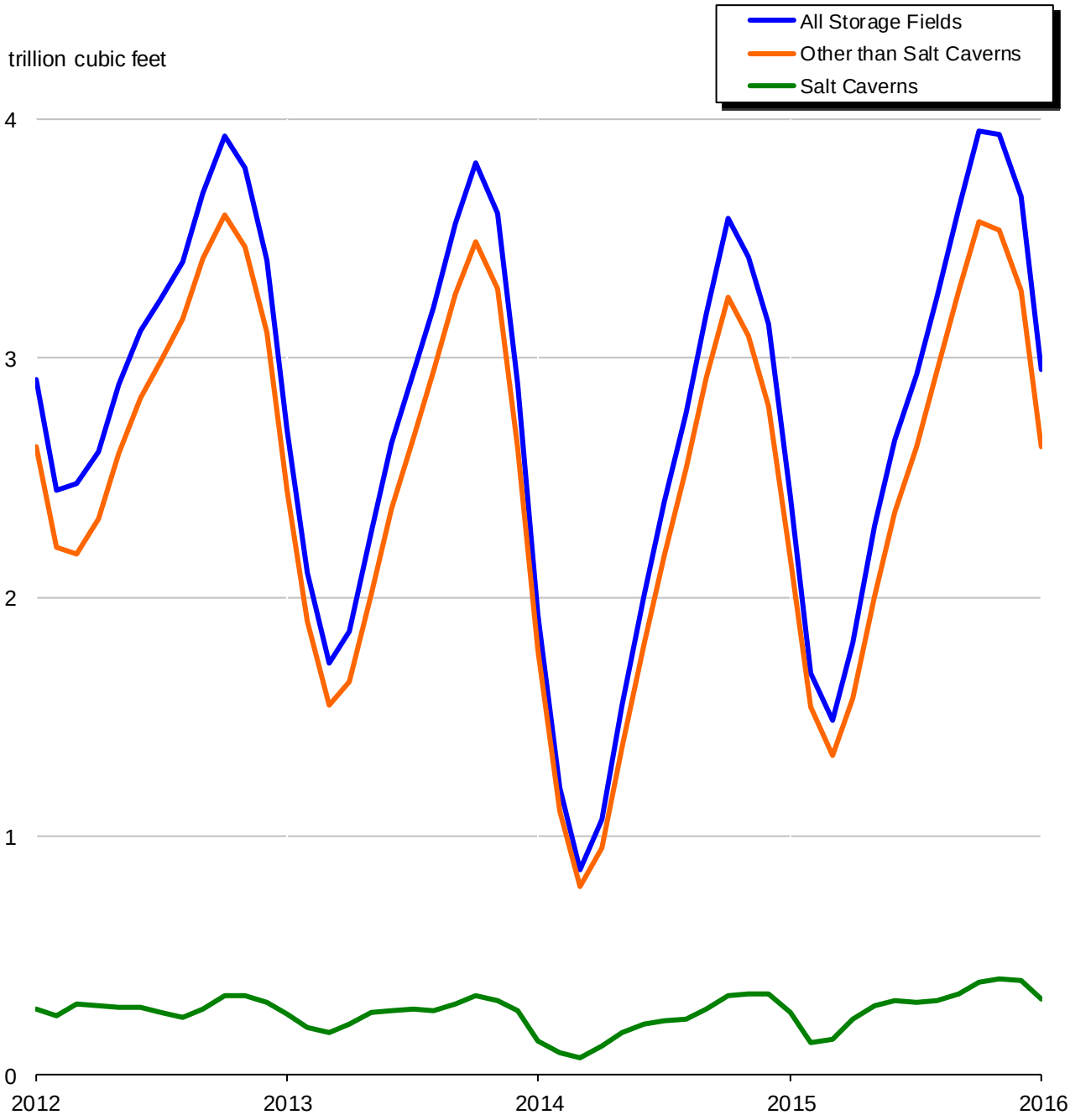
-- Not applicable.

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, 2012-2016



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	2,950	7,311	534	22.1	66	794	728

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

-- Not applicable.

Notes: Data for 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

Table 10. Underground natural gas storage – salt cavern storage fields, 2011-2016

(volumes in billion cubic feet)

	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
Year and Month	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	23.1	29	105	77

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

[b] Total as of December 31.

-- Not applicable.

Notes: Data for 2011 through 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)

	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
Year and Month	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	2,630	6,810	473	22.0	37	689	652

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

[b] Total as of December 31.

-- Not applicable.

Notes: Data for 2011 through 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

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

(million cubic feet)

State	2016 January	2016 Total	2015 December	2015 November	2015 October	2015 September
Alabama	4,787	-3,817	-249	-1,217	-415	-2,416
Alaska[a]	-50	782	140	197	-52	92
Arkansas	434	-1,046	-127	-283	-212	-141
California	40,217	-2,698	44,087	5,699	-18,709	-6,577
Colorado	9,800	-5,930	9,420	1,802	-4,141	-5,250
Illinois	69,604	-10,603	45,715	-1,164	-36,756	-37,238
Indiana	6,106	-4,411	1,569	-1,236	-2,047	-3,878
Iowa	19,427	-4,955	16,556	4,637	-14,124	-16,136
Kansas	26,541	-10,954	11,377	7,836	-5,912	-14,045
Kentucky	19,675	-17,554	7,953	-1,730	-9,465	-7,783
Louisiana	56,058	-88,237	8,860	-15,244	-40,257	-33,722
Maryland	3,991	-1,304	517	490	-262	-372
Michigan	108,427	-87,722	30,889	3,499	-60,050	-75,170
Minnesota	315	-78	10	-149	-262	-219
Mississippi	36,129	-27,879	-723	-4,892	-14,206	-16,234
Missouri	433	-586	28	-212	-268	-581
Montana	4,394	-3,197	3,620	2,456	-1,050	-2,101
Nebraska	1,788	-786	979	212	-1,193	-1,296
New Mexico	1,568	-19,897	-616	-2,132	-2,258	-1,275
New York	21,923	-17,194	2,247	-87	-6,422	-8,417
Ohio	47,082	-33,025	19,441	7,717	-11,308	-22,886
Oklahoma	26,725	-32,397	8,250	3,951	-13,483	-8,189
Oregon	1,845	474	2,338	1,139	-1,330	-1,482
Pennsylvania	87,473	-40,797	11,466	-5,821	-31,589	-38,785
Tennessee	0	0	0	0	0	0
Texas	56,720	-91,530	6,424	-2,086	-41,913	-35,276
Utah	8,830	-8,073	6,185	3,131	-1,402	-4,323
Virginia	1,612	-468	48	-270	-545	-623
Washington	1,480	4,545	2,710	3,788	-792	-2,976
West Virginia	62,042	-28,160	23,846	2,845	-9,186	-22,820
Wyoming	3,031	-1,237	1,646	-255	-1,419	-1,866
Regions						
East Region	224,123	-120,948	57,566	4,874	-59,311	-93,904
South Central Region	207,395	-255,860	33,813	-11,936	-116,399	-110,024
Midwest Region	223,987	-125,909	102,720	3,645	-122,971	-141,004
Mountain Region	29,411	-39,121	21,235	5,213	-11,462	-16,112
Pacific Region	43,542	2,322	49,135	10,625	-20,831	-11,035
Total Lower 48 States	**728,458**	**-539,517**	**264,468**	**12,421**	**-330,975**	**-372,079**
U.S. Total	**728,408**	**-538,735**	**264,608**	**12,618**	**-331,026**	**-371,987**

See footnotes at end of table.

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

State	August	July	June	May	April	March
						2015
Alabama	1,057	-971	-734	-5,684	-6,159	-243
Alaska[a]	-108	-171	-78	-71	219	235
Arkansas	-403	-437	-357	-411	91	234
California	1,758	-8,522	-10,336	-25,451	-16,467	-4,345
Colorado	-5,181	-5,048	-6,817	-5,045	1,888	920
Illinois	-34,172	-32,685	-29,520	-28,714	1,105	21,193
Indiana	-3,494	-2,687	-2,942	-2,903	-294	2,709
Iowa	-13,614	-2,563	-6,962	-5,355	541	6,384
Kansas	-9,249	-16,737	-11,868	-13,935	-2,777	-521
Kentucky	-6,294	-5,729	-5,537	-9,947	-14,941	2,284
Louisiana	-20,717	-17,892	-16,431	-36,612	-45,037	-1,990
Maryland	-2,786	-2,440	-2,577	-2,522	-254	970
Michigan	-81,284	-74,938	-82,493	-82,150	-42,975	61,590
Minnesota	-202	-176	-37	6	6	351
Mississippi	-4,313	-1,700	-11,013	-21,243	-30,471	371
Missouri	0	0	*	0	0	-976
Montana	-3,445	-3,385	-3,128	-2,545	-1,350	-172
Nebraska	-965	-77	-1,343	-1,121	-417	669
New Mexico	-1,429	-1,726	-1,306	-2,874	-2,771	-2,404
New York	-8,306	-9,358	-15,320	-12,888	-4,966	12,114
Ohio	-27,651	-25,160	-26,651	-31,413	-14,797	19,170
Oklahoma	-6,183	-8,740	-17,758	-30,908	-22,563	1,625
Oregon	-685	2	-374	-2,416	116	-732
Pennsylvania	-35,179	-24,593	-51,105	-62,659	-27,319	48,329
Tennessee	0	0	0	0	0	0
Texas	-6,397	-1,462	-23,854	-64,583	-68,034	4,146
Utah	-3,183	-5,792	-5,110	-6,367	-512	-197
Virginia	-508	-87	-509	-600	793	-1,256
Washington	-4,747	278	122	-4,285	-1,199	2,520
West Virginia	-30,311	-28,852	-25,772	-33,361	-23,211	19,409
Wyoming	-1,115	-1,186	-1,715	-1,151	308	1,217
Regions						
East Region	-104,741	-90,489	-121,935	-143,443	-69,755	98,736
South Central Region	-46,205	-47,939	-82,015	-173,376	-174,950	3,622
Midwest Region	-139,059	-118,778	-127,490	-129,063	-56,557	93,536
Mountain Region	-15,317	-17,214	-19,419	-19,103	-2,853	34
Pacific Region	-3,674	-8,243	-10,588	-32,152	-17,550	-2,557
Total Lower 48 States	**-308,996**	**-282,663**	**-361,447**	**-497,137**	**-321,666**	**193,371**
U.S. Total	**-309,104**	**-282,834**	**-361,525**	**-497,208**	**-321,448**	**193,606**

See footnotes at end of table.

Table 12

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

(million cubic feet) – continued

State	2015 February	2015 January	2015 Total	2014 December	2014 November	2014 October
Alabama	8,440	4,774	-5,603	-1,346	321	-3,227
Alaska[a]	185	194	-5,152	-733	-558	106
Arkansas	567	431	468	187	259	-12
California	-2,750	38,916	-45,335	14,741	2,894	-27,183
Colorado	5,579	5,942	-1,818	9,314	2,970	-3,960
Illinois	58,104	63,529	-10,730	50,911	11,226	-38,767
Indiana	5,238	5,552	-841	2,764	207	-2,561
Iowa	11,129	14,550	-7,424	15,333	9,991	-11,564
Kansas	26,416	18,461	-15,614	8,640	11,740	-9,250
Kentucky	20,181	13,454	-5,015	1,712	2,549	-11,752
Louisiana	73,436	57,369	21,565	11,447	7,202	-49,804
Maryland	4,876	3,057	556	596	2,764	-1,919
Michigan	176,480	138,879	-75,432	47,328	51,226	-45,756
Minnesota	255	337	-364	97	-107	-294
Mississippi	40,415	36,131	-35,561	-4,655	-2,348	-14,920
Missouri	1,273	151	-1,253	135	-314	-312
Montana	3,314	4,588	16,007	3,346	3,688	-1,742
Nebraska	1,778	1,989	-278	888	719	-574
New Mexico	-1,237	131	7,015	440	-200	-2,469
New York	16,529	17,678	-4,857	5,228	7,036	-11,131
Ohio	37,546	42,969	-6,127	23,765	18,676	-15,873
Oklahoma	31,015	30,588	-6,811	15,204	7,444	-24,105
Oregon	688	3,212	-3,318	1,267	1,993	-505
Pennsylvania	92,652	83,807	-41,556	29,332	16,036	-39,656
Tennessee	0	0	0	0	0	0
Texas	75,241	66,265	-19,539	10,548	-17,967	-60,721
Utah	3,249	6,246	-1,155	7,368	4,621	-1,973
Virginia	1,821	1,268	6	158	176	-638
Washington	4,712	4,416	-3,458	676	1,577	-223
West Virginia	41,225	58,024	-765	30,123	16,358	-17,465
Wyoming	2,397	1,901	-569	1,586	831	-2,049
Regions						
East Region	194,649	206,803	-52,743	89,203	61,045	-86,683
South Central Region	255,529	214,020	-61,096	40,026	6,651	-162,037
Midwest Region	272,661	236,452	-101,059	118,280	74,778	-111,005
Mountain Region	15,081	20,797	19,202	22,941	12,630	-12,768
Pacific Region	2,649	46,544	-52,112	16,684	6,464	-27,912
Total Lower 48 States	**740,569**	**724,616**	**-247,806**	**287,134**	**161,568**	**-400,405**
U.S. Total	**740,754**	**724,811**	**-252,958**	**286,401**	**161,011**	**-400,299**

See footnotes at end of table.

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

State	September	August	July	June	May	April
						2014
Alabama	-761	492	-38	-420	-5,110	-5,260
Alaska[a]	-564	-697	-256	-1,546	-263	-701
Arkansas	-166	-396	-422	-450	-450	248
California	-12,319	-22,052	-20,946	-41,166	-48,253	-37,379
Colorado	-6,177	-6,161	-7,622	-7,111	-3,848	-381
Illinois	-38,887	-39,186	-35,418	-35,170	-29,654	-1,578
Indiana	-3,451	-3,655	-3,103	-3,175	-2,745	-297
Iowa	-16,589	-16,826	-8,737	-7,981	-7,521	1,171
Kansas	-12,602	-7,892	-15,372	-12,785	-4,659	-3,998
Kentucky	-9,008	-9,946	-9,214	-9,743	-8,340	-4,574
Louisiana	-37,896	-26,081	-35,789	-30,151	-29,849	-16,457
Maryland	-1,591	14	-2,308	-3,179	-3,611	-979
Michigan	-78,777	-92,472	-97,216	-97,918	-85,403	-36,504
Minnesota	-223	-269	-247	-225	-184	104
Mississippi	-13,380	331	-7,067	-16,132	-28,960	-23,328
Missouri	-257	-777	0	0	*	-5
Montana	-1,952	-2,072	-2,852	-2,151	-2,124	1,805
Nebraska	-2,299	-1,907	-1,589	-1,809	-94	761
New Mexico	-41	1,099	401	-2,165	-1,792	-399
New York	-14,041	-15,669	-13,780	-11,399	-6,000	-1,276
Ohio	-25,383	-22,667	-22,917	-28,204	-27,166	-9,245
Oklahoma	-15,412	-10,561	-10,836	-16,051	-19,840	-10,928
Oregon	-1,425	-1,897	-3,056	-4,133	-3,018	-36
Pennsylvania	-50,233	-44,335	-38,363	-55,862	-63,219	-26,488
Tennessee	0	0	0	0	0	0
Texas	-44,441	-11,235	-22,245	-33,940	-44,996	-30,409
Utah	-5,125	-5,742	-7,678	-7,760	-8,156	224
Virginia	-848	183	-282	167	-573	-449
Washington	-1,524	-4,077	-1,529	-3,418	-5,031	-2,089
West Virginia	-24,144	-25,969	-28,904	-27,051	-35,829	-8,421
Wyoming	-2,016	-3,075	-2,118	-1,709	-953	-575
Regions						
East Region	-116,239	-108,445	-106,553	-125,529	-136,399	-46,858
South Central Region	-124,657	-55,342	-91,771	-109,928	-133,863	-90,131
Midwest Region	-147,193	-163,132	-153,935	-154,212	-133,848	-41,683
Mountain Region	-17,611	-17,858	-21,457	-22,706	-16,967	1,434
Pacific Region	-15,268	-28,027	-25,531	-48,717	-56,302	-39,504
Total Lower 48 States	**-420,968**	**-372,803**	**-399,247**	**-461,091**	**-477,379**	**-216,741**
U.S. Total	**-421,532**	**-373,501**	**-399,503**	**-462,637**	**-477,641**	**-217,441**

See footnotes at end of table.

Table 12

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

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

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

* 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, January 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	19,955	29,595	4,615	30.1	1,260	6,047
Alaska[a]	5	83,592	67,915	14,197	24,295	38,492	-515	-2.1	496	446
Arkansas	2	21,853	12,178	11,664	1,374	13,037	-464	-25.3	127	562
California	14	601,808	375,496	225,845	247,760	473,606	916	0.4	5,046	45,263
Colorado	10	130,186	63,774	58,435	31,772	90,208	-434	-1.3	1,835	11,635
Illinois	28	1,004,100	303,613	701,925	139,517	841,442	4,759	3.5	2,495	72,099
Indiana	21	111,581	33,592	77,171	20,553	97,724	3,736	22.2	166	6,272
Iowa	4	288,210	90,313	197,897	38,644	236,541	78	0.2	122	19,548
Kansas	17	282,984	122,980	164,231	69,026	233,257	3,373	5.1	1,222	27,763
Kentucky	23	221,722	107,571	112,965	77,729	190,694	11,014	16.5	575	20,250
Louisiana	19	743,067	453,929	274,129	326,850	600,979	88,848	37.3	10,677	66,735
Maryland	1	64,000	18,300	45,677	11,405	57,082	393	3.6	629	4,620
Michigan	44	1,071,630	685,726	385,032	479,229	864,261	125,987	35.7	2,018	110,445
Minnesota	1	7,000	2,000	4,848	1,810	6,658	100	5.8	0	315
Mississippi	12	332,900	202,972	116,505	133,023	249,528	27,861	26.5	5,837	41,966
Missouri	1	13,845	6,000	7,845	6,045	13,891	137	2.3	786	1,219
Montana	5	376,301	197,501	178,501	15,496	193,997	3,391	28.0	12	4,406
Nebraska	1	34,850	12,653	22,197	8,645	30,842	-1,224	-12.4	0	1,788
New Mexico	2	89,100	59,738	29,362	44,005	73,367	18,535	72.8	104	1,673
New York	26	245,779	126,871	114,956	89,646	204,601	10,950	13.9	351	22,274
Ohio	24	575,794	230,828	340,158	118,381	458,539	28,880	32.3	70	47,151
Oklahoma	13	375,143	191,455	183,624	136,212	319,836	38,649	39.6	2,701	29,426
Oregon	7	29,565	15,935	11,186	12,835	24,021	787	6.5	402	2,246
Pennsylvania	49	771,422	429,796	343,818	287,921	631,739	34,424	13.6	5,148	92,621
Tennessee	1	NA	0	340	0	340	0	0.0	0	0
Texas	36	834,965	528,335	294,440	411,428	705,868	103,718	33.7	17,709	74,429
Utah	3	124,509	54,942	69,525	30,197	99,722	5,349	21.5	117	8,947
Virginia	2	9,500	5,400	4,100	3,591	7,691	124	3.6	1,258	2,870
Washington	1	46,900	24,600	22,300	15,600	37,900	-1,484	-8.7	1,951	3,431
West Virginia	30	528,637	259,314	269,908	120,986	390,894	21,224	21.3	734	62,776
Wyoming	9	157,985	73,705	68,131	26,249	94,381	-218	-0.8	1,988	5,019
Regions										
East Region	132	2,195,132	1,070,509	1,118,617	631,929	1,750,546	95,996	17.9	8,190	232,313
South Central Region	101	2,634,512	1,544,999	1,054,232	1,097,867	2,152,099	266,599	32.1	39,533	246,928
Midwest Region	123	2,718,087	1,228,815	1,488,023	763,527	2,251,550	145,811	23.6	6,163	230,149
Mountain Region	30	912,931	462,313	426,151	156,365	582,516	25,398	19.4	4,057	33,468
Pacific Region	22	678,273	416,031	259,331	276,196	535,527	219	0.1	7,399	50,941
Total Lower 48 States	**408**	**9,138,935**	**4,722,667**	**4,346,354**	**2,925,883**	**7,272,237**	**534,024**	**22.3**	**65,341**	**793,799**
U.S. Total	**413**	**9,222,527**	**4,790,582**	**4,360,551**	**2,950,179**	**7,310,730**	**533,508**	**22.1**	**65,837**	**794,245**

[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

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016
(million cubic feet)

	2016					2015
State	January	Total	December	November	October	September
Alabama	7,352	31,794	3,411	2,031	934	671
Alaska	2,347	18,468	2,670	2,306	1,422	1,033
Arizona	8,619	34,215	6,609	3,107	1,334	1,072
Arkansas	7,500	30,803	3,933	2,155	731	546
California	69,466	404,869	73,730	44,802	19,412	17,188
Colorado	22,390	125,433	23,229	16,679	5,976	3,036
Connecticut	8,578	51,857	4,884	3,952	2,158	975
Delaware	2,084	10,501	978	720	378	157
District of Columbia	2,524	12,371	1,335	911	520	253
Florida	2,848	14,777	1,440	1,216	1,081	632
Georgia	26,193	117,523	11,943	10,248	5,873	3,794
Hawaii	52	572	47	44	44	41
Idaho	4,467	22,963	4,740	3,624	995	638
Illinois	78,595	399,446	50,744	35,960	18,056	8,021
Indiana	27,835	133,876	16,881	11,746	5,799	2,432
Iowa	13,190	62,032	8,921	5,686	2,268	1,260
Kansas	13,126	NA	8,698	NA	1,701	1,075
Kentucky	10,774	47,712	5,585	3,977	1,565	845
Louisiana	8,117	36,580	3,756	2,380	1,531	1,354
Maine	450	2,605	298	232	136	46
Maryland	17,043	81,592	8,243	6,137	3,820	1,518
Massachusetts	23,246	125,463	12,553	9,387	5,784	2,465
Michigan	56,483	319,680	36,400	29,138	16,846	6,164
Minnesota	20,656	119,119	18,067	10,741	5,207	2,362
Mississippi	5,189	NA	2,377	NA	796	512
Missouri	22,133	102,814	13,879	8,236	3,351	1,770
Montana	3,276	18,772	3,260	2,634	1,042	494
Nebraska	7,055	33,830	5,497	2,858	1,053	667
Nevada	8,270	36,592	7,264	4,172	1,440	1,215
New Hampshire	1,334	7,587	854	657	242	148
New Jersey	43,438	237,164	22,163	16,149	9,214	4,498
New Mexico	6,677	34,036	6,379	3,863	1,282	854
New York	75,521	450,815	43,444	33,321	20,336	10,033
North Carolina	16,311	NA	7,028	6,342	2,814	1,121
North Dakota	1,977	10,606	1,713	1,069	513	200
Ohio	54,170	289,683	31,154	22,384	12,359	4,741
Oklahoma	11,199	59,675	6,999	2,614	1,308	1,169
Oregon	7,032	37,930	7,090	5,854	1,804	1,217
Pennsylvania	46,310	242,098	24,976	18,582	11,789	4,892
Rhode Island	3,421	19,522	1,903	1,591	1,038	385
South Carolina	6,837	27,171	2,982	2,345	1,020	542
South Dakota	2,371	11,638	1,996	1,162	473	226
Tennessee	16,024	67,951	7,765	4,847	1,982	1,163
Texas	40,886	199,288	24,772	9,793	5,934	5,116
Utah	12,761	58,177	12,265	8,290	2,002	1,320
Vermont	576	3,754	393	288	164	79
Virginia	17,223	83,512	7,966	6,309	3,395	1,913
Washington	13,821	71,818	14,167	9,599	4,019	2,519
West Virginia	5,340	24,975	2,485	2,132	1,242	387
Wisconsin	24,931	126,685	16,428	11,070	6,080	2,498
Wyoming	1,902	11,942	2,262	1,468	415	313
Total	**889,920**	**4,612,455**	**588,560**	**399,624**	**200,678**	**107,571**

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016
(million cubic feet) – continued

State	August	July	June	May	April	March
						2015
Alabama	694	702	743	1,085	1,655	3,769
Alaska	527	493	583	876	1,464	2,162
Arizona	971	1,056	1,303	1,805	2,172	3,174
Arkansas	514	557	622	887	1,547	4,560
California	17,560	19,107	21,080	27,607	29,895	32,436
Colorado	2,476	2,725	2,449	7,471	8,785	13,293
Connecticut	997	1,120	1,368	2,172	4,902	8,998
Delaware	166	163	181	270	703	1,936
District of Columbia	240	242	235	418	794	1,876
Florida	634	833	868	934	809	1,378
Georgia	3,731	3,662	3,676	4,351	5,576	12,217
Hawaii	43	45	46	46	54	51
Idaho	359	464	510	881	1,699	2,156
Illinois	7,946	7,939	9,399	13,191	26,656	54,110
Indiana	2,242	2,234	2,321	3,734	8,689	18,660
Iowa	1,036	1,171	1,373	2,144	4,045	7,892
Kansas	1,061	1,147	1,381	1,625	2,366	5,689
Kentucky	849	858	858	1,294	2,629	6,753
Louisiana	1,202	1,292	1,286	1,456	1,883	4,332
Maine	45	46	69	90	264	382
Maryland	1,557	1,624	1,755	2,212	4,897	12,763
Massachusetts	2,442	2,619	3,302	4,328	10,039	20,811
Michigan	6,026	5,722	6,783	10,815	22,053	43,573
Minnesota	2,587	2,322	2,467	4,010	8,284	15,206
Mississippi	428	466	520	625	1,012	2,920
Missouri	1,873	1,763	1,941	2,703	6,658	17,071
Montana	377	381	401	902	1,442	1,943
Nebraska	684	790	939	1,302	2,053	4,090
Nevada	1,176	1,108	1,467	1,854	2,340	3,347
New Hampshire	147	146	179	236	576	1,157
New Jersey	4,422	5,478	6,226	8,987	21,253	41,222
New Mexico	864	830	1,255	1,615	1,983	3,535
New York	9,977	10,159	12,853	19,344	38,003	73,498
North Carolina	NA	1,090	1,195	1,407	2,895	7,595
North Dakota	147	170	208	452	729	1,293
Ohio	4,792	5,084	6,174	10,373	22,570	48,388
Oklahoma	1,095	1,271	1,637	2,233	4,445	11,916
Oregon	841	860	986	1,734	3,318	3,608
Pennsylvania	4,143	4,230	5,696	7,776	19,206	38,715
Rhode Island	397	430	484	565	1,386	3,206
South Carolina	521	496	490	679	1,130	3,144
South Dakota	221	188	275	503	775	1,345
Tennessee	1,028	1,032	1,204	1,606	3,169	9,156
Texas	4,587	6,189	6,053	6,545	10,724	33,516
Utah	1,545	1,623	1,945	3,109	4,485	5,078
Vermont	73	87	105	152	359	598
Virginia	1,442	1,491	1,612	2,176	4,642	13,287
Washington	1,649	1,651	1,963	3,292	5,830	7,431
West Virginia	339	244	419	672	1,640	4,590
Wisconsin	2,308	2,475	2,478	4,546	9,467	16,194
Wyoming	205	250	408	746	919	1,204
Total	**102,264**	**108,125**	**123,772**	**179,835**	**324,869**	**637,224**

See footnotes at end of table.

Table 14

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016
(million cubic feet) – continued

	2015					2014
State	February	January	Total	December	November	October
Alabama	8,328	7,770	38,971	5,368	4,453	1,123
Alaska	2,201	2,730	17,734	2,218	2,070	1,768
Arizona	4,239	7,372	32,397	4,891	2,482	1,384
Arkansas	7,208	7,542	38,127	5,978	2,698	921
California	41,279	60,772	397,489	57,876	34,011	21,140
Colorado	16,989	22,325	132,106	20,604	18,632	6,921
Connecticut	10,572	9,760	51,193	6,846	4,670	1,776
Delaware	2,363	2,486	11,316	1,644	949	292
District of Columbia	2,646	2,902	14,242	2,117	1,671	550
Florida	2,468	2,484	16,652	2,227	1,853	965
Georgia	26,419	26,033	134,438	18,318	17,286	5,531
Hawaii	52	60	583	50	44	43
Idaho	2,643	4,253	24,616	3,981	3,737	1,334
Illinois	85,209	82,214	479,465	62,983	57,400	22,380
Indiana	29,806	29,334	156,639	22,394	19,910	7,619
Iowa	13,338	12,897	76,574	10,609	8,650	3,224
Kansas	11,205	13,227	71,126	11,330	8,025	2,269
Kentucky	11,475	11,025	57,589	8,517	6,898	1,856
Louisiana	7,561	8,547	44,392	5,689	3,814	1,686
Maine	499	497	2,357	350	249	105
Maryland	18,839	18,228	90,542	13,257	9,749	3,078
Massachusetts	26,022	25,709	126,902	16,894	11,289	4,933
Michigan	70,188	65,972	354,713	46,254	44,020	19,597
Minnesota	24,093	23,773	146,647	20,929	17,807	7,186
Mississippi	4,686	5,517	28,358	3,742	2,820	990
Missouri	22,239	21,331	115,512	16,552	12,508	3,865
Montana	2,602	3,294	21,379	3,267	2,919	1,104
Nebraska	6,842	7,055	42,147	6,587	4,644	1,447
Nevada	4,240	6,969	35,135	5,459	3,016	1,556
New Hampshire	1,609	1,635	7,755	1,072	795	338
New Jersey	50,521	47,032	247,742	32,458	24,417	8,303
New Mexico	5,153	6,422	32,370	5,532	3,444	1,275
New York	92,231	87,616	458,313	62,632	45,075	16,260
North Carolina	17,852	15,899	75,178	12,540	9,724	2,037
North Dakota	2,081	2,031	12,505	1,749	1,660	625
Ohio	62,058	59,608	320,568	45,059	31,696	13,581
Oklahoma	12,397	12,592	69,050	9,210	3,198	1,361
Oregon	4,252	6,366	41,185	6,418	5,703	1,779
Pennsylvania	52,881	49,212	254,816	37,330	25,074	9,532
Rhode Island	4,039	4,097	19,724	2,662	2,030	499
South Carolina	6,979	6,844	31,862	5,112	4,219	835
South Dakota	2,140	2,334	14,213	2,197	1,724	718
Tennessee	18,173	16,826	78,385	12,368	8,371	2,308
Texas	35,341	50,718	234,520	31,730	14,635	6,881
Utah	6,406	10,109	62,458	9,648	8,191	3,046
Vermont	745	710	3,826	507	349	158
Virginia	20,387	18,892	92,817	14,540	9,971	2,843
Washington	8,054	11,645	78,750	11,782	11,480	3,689
West Virginia	5,673	5,151	28,257	3,929	3,249	1,147
Wisconsin	27,467	25,672	150,409	19,411	18,409	7,477
Wyoming	1,590	2,163	13,269	2,069	1,831	737
Total	**904,281**	**935,653**	**5,087,314**	**716,885**	**543,521**	**212,073**

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016
(million cubic feet) – continued

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

See footnotes at end of table.

Table 14

Table 14. Natural gas deliveries to residential consumers, by state, 2014-2016
(million cubic feet) – continued

State	2014 March	2014 February	2014 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**

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)

	2016					2015
State	January	Total	December	November	October	September
Alabama	4,637	24,519	2,366	2,317	1,513	1,174
Alaska	2,407	19,281	2,558	2,103	1,451	1,253
Arizona	4,486	30,537	4,130	3,014	1,918	1,714
Arkansas	7,048	46,160	4,724	3,863	3,048	2,571
California	26,589	238,477	29,820	26,389	16,321	15,250
Colorado	9,251	NA	9,397	6,789	2,859	1,694
Connecticut	7,402	53,378	5,038	4,122	3,155	2,577
Delaware	2,003	11,189	1,177	1,065	812	432
District of Columbia	2,528	15,793	1,487	1,443	1,135	736
Florida	7,017	NA	5,660	5,214	5,003	4,441
Georgia	10,325	53,581	5,185	4,695	3,159	2,417
Hawaii	159	1,908	167	148	152	153
Idaho	2,781	16,171	2,719	2,068	1,066	694
Illinois	35,911	NA	24,179	NA	12,312	7,821
Indiana	14,495	78,491	8,381	6,409	4,720	2,784
Iowa	8,771	NA	6,246	NA	3,156	1,716
Kansas	5,913	NA	4,161	2,731	1,755	1,164
Kentucky	6,714	34,308	3,570	2,925	1,709	1,154
Louisiana	4,478	30,656	2,970	2,789	2,286	2,214
Maine	1,367	9,795	961	779	569	415
Maryland	11,365	69,307	6,571	5,844	4,663	2,932
Massachusetts	17,790	105,809	10,044	9,210	7,399	4,066
Michigan	26,326	172,156	18,235	13,375	9,388	5,306
Minnesota	17,388	93,865	12,550	8,381	5,206	2,786
Mississippi	3,173	NA	1,725	NA	1,277	NA
Missouri	11,138	65,595	7,823	5,631	3,585	2,254
Montana	3,244	NA	3,107	2,508	1,158	689
Nebraska	5,033	28,474	3,974	2,619	1,558	932
Nevada	4,301	29,614	4,015	3,091	1,970	1,662
New Hampshire	1,584	9,327	1,017	823	377	232
New Jersey	23,535	NA	13,623	11,186	NA	NA
New Mexico	3,911	26,262	4,321	3,294	1,689	1,106
New York	47,112	309,481	28,536	24,042	18,646	13,736
North Carolina	10,328	NA	NA	5,548	4,282	3,004
North Dakota	2,141	12,334	1,808	1,214	667	321
Ohio	29,716	169,515	16,455	12,881	9,220	4,535
Oklahoma	6,177	42,383	4,093	2,339	1,638	1,509
Oregon	4,319	26,502	4,307	3,444	1,552	1,217
Pennsylvania	27,618	156,887	15,188	13,175	10,093	5,319
Rhode Island	2,008	11,734	1,106	1,007	624	244
South Carolina	3,896	23,947	1,907	2,136	1,827	1,380
South Dakota	1,995	10,497	1,564	1,127	571	315
Tennessee	10,237	53,995	5,273	4,707	3,080	2,259
Texas	22,844	173,302	17,584	12,553	10,313	9,558
Utah	7,089	35,552	6,881	4,732	1,474	1,170
Vermont	899	5,949	586	557	522	336
Virginia	11,580	67,597	6,065	6,019	4,647	3,658
Washington	7,971	49,906	8,090	5,744	3,462	2,709
West Virginia	3,648	22,584	2,034	1,923	1,547	1,107
Wisconsin	15,417	90,195	10,352	7,776	4,985	2,867
Wyoming	1,744	12,498	2,273	1,585	537	478
Total	**509,808**	**R3,205,891**	**350,577**	**280,282**	**192,966**	**138,118**

See footnotes at end of table.

Table 15

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

State	2015 August	July	June	May	April	March
Alabama	1,131	1,088	1,095	1,383	1,413	2,099
Alaska	766	713	618	1,204	1,626	2,351
Arizona	1,654	1,758	1,878	2,204	2,422	2,785
Arkansas	2,444	2,308	2,327	2,578	3,109	5,233
California	16,537	15,962	16,329	19,348	18,286	19,108
Colorado	1,456	1,568	NA	3,790	3,978	5,603
Connecticut	2,512	2,379	2,295	2,676	4,556	7,504
Delaware	409	375	410	403	735	1,435
District of Columbia	711	657	757	669	932	2,015
Florida	4,651	4,734	NA	4,827	5,078	5,705
Georgia	2,274	2,164	2,091	2,619	3,367	5,451
Hawaii	156	159	154	151	168	165
Idaho	583	625	662	822	1,194	1,428
Illinois	7,573	7,162	7,196	9,077	14,774	26,946
Indiana	2,749	2,324	2,324	2,744	5,128	10,020
Iowa	1,468	1,567	1,770	2,088	3,099	5,590
Kansas	NA	1,492	1,128	1,335	1,487	2,693
Kentucky	1,152	1,139	1,075	1,336	1,924	4,151
Louisiana	1,902	1,804	1,903	1,938	2,072	2,601
Maine	425	409	393	371	943	1,341
Maryland	2,967	2,900	2,812	2,982	4,904	9,459
Massachusetts	3,873	3,912	4,050	4,432	7,706	14,526
Michigan	5,500	5,155	5,553	7,509	13,801	24,537
Minnesota	2,910	2,540	2,633	4,006	6,661	11,504
Mississippi	R1,024	785	865	973	1,107	2,102
Missouri	2,299	2,021	1,960	2,526	4,609	9,255
Montana	584	597	579	981	NA	2,062
Nebraska	1,010	1,223	1,239	1,412	1,892	3,025
Nevada	1,709	1,598	1,807	2,079	2,393	2,622
New Hampshire	226	221	265	298	652	1,410
New Jersey	8,431	7,486	6,652	NA	15,304	22,606
New Mexico	1,121	1,029	1,262	1,423	1,568	2,206
New York	14,539	14,178	12,774	16,052	22,945	41,014
North Carolina	NA	2,535	2,945	2,524	3,558	NA
North Dakota	294	308	313	581	834	1,494
Ohio	4,790	4,753	5,281	6,787	13,080	24,578
Oklahoma	1,502	1,553	1,828	2,162	4,096	7,128
Oregon	948	968	1,008	1,594	2,270	2,457
Pennsylvania	4,751	4,493	5,524	5,902	11,865	21,688
Rhode Island	249	258	301	378	849	1,901
South Carolina	1,399	1,324	1,307	1,526	1,624	2,167
South Dakota	314	304	323	496	665	1,090
Tennessee	2,125	2,060	2,169	2,493	3,028	5,711
Texas	9,295	10,630	10,517	10,175	12,856	21,197
Utah	1,157	1,168	1,371	2,144	2,994	2,971
Vermont	318	342	325	205	372	678
Virginia	2,587	2,656	2,585	2,751	3,927	8,418
Washington	1,902	1,996	2,287	2,727	4,150	4,751
West Virginia	876	981	796	1,104	1,703	3,113
Wisconsin	2,964	2,782	2,842	3,795	6,582	11,829
Wyoming	283	401	438	872	923	1,135
Total	**R135,811**	**133,543**	**135,416**	**161,765**	**236,610**	**388,816**

See footnotes at end of table.

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

State	2015 February	2015 January	2015 Total	2014 December	2014 November	2014 October
Alabama	4,589	4,350	27,515	3,123	3,443	1,787
Alaska	2,070	2,567	17,925	2,307	1,932	1,662
Arizona	3,082	3,979	30,456	3,589	2,749	1,968
Arkansas	6,849	7,105	50,673	5,942	4,261	3,401
California	19,822	25,306	237,675	25,591	21,710	17,355
Colorado	7,257	9,189	58,008	8,844	7,587	3,118
Connecticut	8,479	8,085	51,221	6,252	4,719	2,785
Delaware	2,000	1,937	11,882	1,548	1,347	711
District of Columbia	2,444	2,809	17,498	2,242	1,747	1,007
Florida	6,418	6,664	62,646	5,995	5,682	4,843
Georgia	10,075	10,084	59,039	7,598	7,293	3,021
Hawaii	157	179	1,931	165	150	158
Idaho	1,711	2,598	16,963	2,472	2,107	1,038
Illinois	38,920	38,338	246,273	29,259	27,746	14,788
Indiana	15,495	15,414	90,915	11,472	10,520	5,183
Iowa	8,934	8,464	57,438	7,117	7,303	3,449
Kansas	4,960	5,707	36,512	4,981	4,168	2,072
Kentucky	7,227	6,946	40,033	5,419	4,509	1,968
Louisiana	3,807	4,371	31,209	3,300	3,301	2,227
Maine	1,590	1,599	9,030	1,144	930	492
Maryland	11,694	11,580	74,843	9,099	7,736	4,436
Massachusetts	18,246	18,342	105,801	12,458	11,187	6,331
Michigan	32,477	31,320	186,413	23,128	19,200	9,681
Minnesota	18,066	16,623	110,905	15,202	12,708	5,817
Mississippi	2,944	3,247	22,195	2,574	2,033	1,488
Missouri	12,336	11,297	72,919	9,199	7,349	3,835
Montana	2,597	3,257	21,549	3,145	2,849	1,154
Nebraska	4,743	4,847	32,407	4,419	3,608	1,773
Nevada	2,881	3,788	29,105	3,459	2,598	2,009
New Hampshire	1,893	1,913	9,412	1,233	996	481
New Jersey	28,320	28,320	202,201	24,505	19,687	11,427
New Mexico	3,216	4,027	25,688	3,989	3,555	1,651
New York	51,726	51,294	320,168	37,830	31,373	17,824
North Carolina	10,516	9,506	59,945	7,192	6,594	3,474
North Dakota	2,232	2,268	13,999	1,932	1,832	763
Ohio	33,875	33,282	183,105	23,759	17,953	9,491
Oklahoma	7,724	6,811	46,986	5,372	2,263	1,603
Oregon	2,859	3,878	28,377	4,047	3,343	1,538
Pennsylvania	30,468	28,422	159,636	21,355	17,723	8,889
Rhode Island	2,416	2,402	13,178	1,690	1,336	484
South Carolina	3,715	3,635	25,380	2,787	2,998	1,685
South Dakota	1,792	1,934	12,310	1,630	1,649	633
Tennessee	10,982	10,108	57,427	7,590	6,110	3,370
Texas	22,067	26,556	184,908	20,365	14,388	11,298
Utah	3,934	5,557	38,156	5,611	4,741	2,117
Vermont	814	894	4,830	666	479	300
Virginia	12,447	11,836	72,164	9,184	8,722	4,212
Washington	5,213	6,874	54,457	7,023	6,923	3,523
West Virginia	3,787	3,614	24,101	2,778	2,447	1,470
Wisconsin	16,785	16,635	107,003	13,482	12,402	5,795
Wyoming	1,752	1,822	12,188	1,732	1,581	789
Total	**520,405**	**531,583**	**3,466,600**	**426,794**	**361,567**	**202,376**

See footnotes at end of table.

Table 15

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

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

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

(million cubic feet)

State	2016 January	2016 Total	2015 December	2015 November	2015 October	2015 September
Alabama	18,803	186,213	15,670	15,100	15,292	14,897
Alaska	NA	4,545	393	354	348	323
Arizona	2,020	19,991	1,988	1,844	1,572	1,417
Arkansas	7,825	84,464	7,148	7,098	6,790	6,286
California	64,347	780,616	67,213	63,799	64,699	66,196
Colorado	9,107	78,174	8,931	7,640	5,823	4,790
Connecticut	2,817	25,943	2,222	2,035	1,916	1,734
Delaware	2,821	33,127	3,040	2,682	2,590	2,448
District of Columbia	0	0	0	0	0	0
Florida	9,502	96,970	8,933	7,774	7,997	7,385
Georgia	14,101	157,407	13,391	13,291	13,714	12,244
Hawaii	47	442	36	36	43	37
Idaho[a]	3,647	31,705	3,403	3,315	3,032	2,564
Illinois	28,674	273,713	25,140	24,322	21,016	19,312
Indiana	36,985	373,191	33,462	29,980	28,848	26,713
Iowa	16,580	174,199	15,399	14,751	14,826	13,086
Kansas	11,471	NA	11,086	8,919	8,738	7,725
Kentucky	12,001	115,916	9,943	9,759	8,840	8,464
Louisiana	89,436	951,717	85,489	81,870	79,787	78,022
Maine	NA	NA	NA	NA	NA	NA
Maryland	1,305	14,635	1,302	1,266	1,242	1,131
Massachusetts	5,486	46,186	4,110	4,108	3,055	2,507
Michigan	19,453	NA	15,847	14,366	13,570	11,698
Minnesota	NA	NA	NA	13,605	13,280	11,305
Mississippi	10,798	122,183	10,524	10,334	11,304	9,911
Missouri	6,871	65,349	6,125	5,585	4,939	4,527
Montana	2,128	NA	2,173	2,004	1,873	1,709
Nebraska	6,966	82,326	6,885	7,553	7,056	6,257
Nevada	1,397	NA	1,200	1,233	1,182	NA
New Hampshire	856	NA	NA	NA	NA	NA
New Jersey	6,236	NA	4,249	R4,616	R4,331	R4,115
New Mexico	1,730	17,961	1,575	1,616	1,479	1,348
New York	8,144	82,581	6,662	6,620	6,203	5,562
North Carolina	10,520	105,096	9,049	8,911	9,044	7,974
North Dakota	2,703	30,958	2,324	2,885	2,883	2,646
Ohio	30,442	279,963	23,708	22,796	20,416	18,786
Oklahoma	16,775	187,080	16,204	16,551	14,917	15,155
Oregon	5,503	54,931	5,261	4,834	4,375	4,085
Pennsylvania	23,708	239,608	20,699	19,211	18,923	17,224
Rhode Island	730	8,751	750	704	683	694
South Carolina	7,803	84,172	7,873	7,342	7,238	6,616
South Dakota	4,111	44,683	3,907	3,849	3,452	3,469
Tennessee	12,165	114,351	9,813	9,248	9,162	8,683
Texas	145,142	1,567,917	141,897	134,340	128,958	125,076
Utah	3,032	37,639	3,612	3,120	2,969	2,757
Vermont	220	2,040	188	178	188	150
Virginia	NA	NA	7,259	7,582	7,701	6,116
Washington	NA	NA	NA	NA	6,680	5,921
West Virginia	2,842	NA	NA	2,014	1,849	1,677
Wisconsin	15,595	136,264	12,859	12,289	10,742	9,103
Wyoming	4,820	48,301	4,575	4,262	3,963	3,720
Total	**722,597**	**R7,507,968**	**669,085**	**R636,538**	**R611,555**	**R576,712**

See footnotes at end of table.

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

State	2015 August	July	June	May	April	March
Alabama	15,311	15,749	14,619	15,463	14,146	15,920
Alaska	375	359	352	371	363	416
Arizona	1,457	1,468	1,481	1,611	1,626	1,793
Arkansas	6,370	6,345	6,360	6,728	7,046	7,820
California	71,776	70,121	62,828	63,828	63,395	62,368
Colorado	4,987	4,997	4,879	5,981	6,064	7,143
Connecticut	1,826	1,758	1,755	1,839	2,108	2,973
Delaware	2,636	2,669	2,561	2,819	3,037	3,171
District of Columbia	0	0	0	0	0	0
Florida	7,362	7,672	7,639	8,135	8,065	8,637
Georgia	12,710	12,955	12,707	13,065	11,975	13,498
Hawaii	41	38	44	31	32	37
Idaho[a]	2,415	2,094	2,362	2,601	2,325	2,422
Illinois	19,033	19,474	18,951	20,434	21,555	25,544
Indiana	28,167	28,293	27,563	29,642	29,102	36,074
Iowa	13,635	13,445	13,279	13,995	13,551	15,150
Kansas	9,693	11,127	7,423	NA	NA	NA
Kentucky	8,791	8,478	8,564	8,722	9,643	11,391
Louisiana	80,789	77,300	75,845	80,180	76,374	77,107
Maine	NA	NA	NA	NA	NA	NA
Maryland	906	1,118	1,159	1,131	1,126	1,340
Massachusetts	2,286	2,219	2,207	3,139	4,371	6,000
Michigan	11,437	11,349	10,889	NA	15,668	18,046
Minnesota	10,272	10,321	10,666	11,077	13,289	NA
Mississippi	9,838	9,730	9,907	9,655	9,630	10,002
Missouri	4,376	4,716	4,605	4,632	5,088	6,697
Montana	NA	1,438	1,550	1,667	1,666	1,787
Nebraska	6,832	7,440	6,209	6,534	6,370	6,148
Nevada	NA	1,165	NA	NA	NA	NA
New Hampshire	NA	NA	NA	NA	NA	NA
New Jersey	R3,952	4,256	4,209	4,192	NA	5,358
New Mexico	1,437	1,382	1,232	1,553	1,601	1,633
New York	5,770	5,249	5,333	5,738	7,291	9,455
North Carolina	8,154	7,854	7,793	8,131	8,545	9,856
North Dakota	2,463	1,954	2,397	2,773	2,455	2,875
Ohio	19,354	19,742	19,691	20,724	23,130	28,622
Oklahoma	13,036	12,322	14,494	16,520	17,147	15,554
Oregon	4,163	4,016	4,195	4,411	4,787	4,820
Pennsylvania	17,360	17,977	18,005	19,139	19,938	24,019
Rhode Island	681	658	673	709	858	769
South Carolina	6,718	6,642	6,645	6,835	7,063	7,584
South Dakota	3,566	3,541	3,613	3,582	3,791	3,838
Tennessee	8,743	8,573	8,785	8,590	9,260	10,728
Texas	132,785	130,522	126,896	131,658	126,659	129,881
Utah	2,788	2,777	3,031	3,111	3,130	3,190
Vermont	153	156	137	134	158	207
Virginia	7,435	7,530	7,395	7,724	NA	6,672
Washington	5,625	5,477	5,770	6,016	6,352	6,678
West Virginia	1,834	1,746	1,903	1,862	2,230	2,654
Wisconsin	9,124	8,824	8,810	9,348	10,406	13,573
Wyoming	3,844	3,906	3,897	3,750	4,000	4,178
Total	**R597,340**	**590,889**	**574,422**	**601,156**	**609,002**	**663,093**

See footnotes at end of table.

Table 16

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

State	2015 February	2015 January	2015 Total	2014 December	2014 November	2014 October
Alabama	16,256	17,790	187,661	16,659	16,447	15,823
Alaska	425	465	4,847	494	458	508
Arizona	1,661	2,073	22,489	2,349	1,980	1,761
Arkansas	8,105	8,367	88,797	8,029	8,537	7,495
California	57,625	66,766	788,817	67,425	63,073	66,331
Colorado	8,041	8,899	78,323	8,641	7,615	5,971
Connecticut	2,762	3,015	28,371	2,571	2,289	1,961
Delaware	2,494	2,980	31,004	3,094	2,769	2,668
District of Columbia	0	0	0	0	0	0
Florida	8,491	8,882	94,479	8,544	7,764	7,794
Georgia	13,137	14,719	160,821	14,258	14,302	13,586
Hawaii	28	38	401	36	33	32
Idaho[a]	2,561	2,610	28,046	2,543	2,392	2,345
Illinois	28,775	30,159	294,220	29,281	26,950	22,482
Indiana	37,381	37,967	375,647	35,288	34,095	29,428
Iowa	16,156	16,925	172,718	15,978	16,497	14,552
Kansas	9,907	10,806	118,221	10,394	10,613	8,183
Kentucky	11,368	11,953	116,582	10,596	10,829	9,720
Louisiana	75,038	83,914	960,033	82,338	81,262	79,353
Maine	NA	NA	24,121	1,683	1,728	1,768
Maryland	1,342	1,571	14,734	1,433	1,516	1,182
Massachusetts	6,379	5,805	45,581	4,841	3,918	2,838
Michigan	19,500	21,301	180,829	17,869	15,580	14,325
Minnesota	15,293	16,738	173,556	18,610	16,404	13,804
Mississippi	10,341	11,006	117,908	10,741	10,530	10,187
Missouri	7,017	7,044	67,115	6,596	6,185	5,043
Montana	1,857	2,176	22,084	2,291	2,198	1,962
Nebraska	7,417	7,624	86,878	7,637	8,652	7,581
Nevada	1,125	1,329	14,324	1,393	1,358	1,313
New Hampshire	836	847	8,456	826	741	628
New Jersey	5,607	6,398	61,494	5,087	5,914	4,781
New Mexico	1,526	1,579	18,975	1,789	1,696	1,460
New York	9,373	9,325	84,255	8,066	6,942	6,048
North Carolina	9,374	10,410	107,904	9,794	9,441	8,957
North Dakota	2,627	2,676	27,762	2,202	1,998	2,091
Ohio	31,244	31,749	303,366	27,609	24,717	23,090
Oklahoma	17,971	17,210	183,929	15,663	14,132	12,648
Oregon	4,649	5,335	56,522	5,135	4,993	4,655
Pennsylvania	23,491	23,622	237,013	22,738	21,493	17,768
Rhode Island	836	737	8,008	727	660	610
South Carolina	6,068	7,548	83,330	7,532	7,321	7,146
South Dakota	4,001	4,073	44,205	4,014	3,942	3,525
Tennessee	11,453	11,312	116,882	10,591	10,235	9,441
Texas	122,344	136,902	1,565,269	135,611	129,398	121,276
Utah	3,525	3,629	38,903	3,467	3,111	2,625
Vermont	176	217	1,858	185	174	154
Virginia	6,875	7,627	81,040	7,033	7,063	6,686
Washington	6,361	7,329	79,439	7,382	7,192	6,877
West Virginia	2,651	2,513	27,796	2,416	2,419	2,311
Wisconsin	15,291	15,895	141,661	14,361	14,038	11,240
Wyoming	3,497	4,709	47,153	4,330	4,168	4,153
Total	**661,789**	**716,387**	**7,623,826**	**688,166**	**657,761**	**608,165**

See footnotes at end of table.

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

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

See footnotes at end of table.

Table 16

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

State	2014 March	2014 February	2014 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.
[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 January	2016 Total	2015 December	2015 November	2015 October	2015 September
Alabama	34,029	397,961	33,249	31,034	31,534	33,356
Alaska	2,283	27,722	2,336	2,164	2,096	1,863
Arizona	15,294	249,477	17,515	17,672	24,561	31,091
Arkansas	8,589	108,755	6,754	5,434	4,130	8,552
California	60,889	816,787	63,111	59,484	84,917	89,295
Colorado	7,962	92,757	8,346	9,658	8,172	9,582
Connecticut	10,473	119,305	11,119	9,814	10,291	10,504
Delaware	2,132	44,725	2,190	2,330	3,068	4,903
District of Columbia	--	--	--	--	--	--
Florida	86,975	1,160,140	89,587	91,782	100,028	105,993
Georgia	28,578	354,090	25,887	27,527	29,598	30,621
Hawaii	--	--	--	--	--	--
Idaho	2,870	27,790	2,840	2,240	2,500	2,930
Illinois	8,211	83,570	7,753	7,008	6,560	8,788
Indiana	13,353	127,365	13,305	11,439	8,711	7,942
Iowa	1,700	17,518	1,623	530	918	1,750
Kansas	725	16,614	804	W	W	1,662
Kentucky	5,506	52,015	3,312	5,312	6,074	4,867
Louisiana	27,918	342,742	31,279	29,353	29,252	27,504
Maine	2,429	17,447	1,427	1,813	2,483	1,538
Maryland	1,326	39,632	2,457	3,188	2,959	4,162
Massachusetts	9,608	156,492	9,618	8,375	13,391	16,586
Michigan	16,995	174,770	16,664	14,519	15,441	14,817
Minnesota	5,506	54,054	5,725	3,113	3,400	6,416
Mississippi	30,838	331,496	25,574	25,741	23,923	26,810
Missouri	2,492	40,109	2,899	2,409	1,850	3,641
Montana	816	7,847	777	666	714	770
Nebraska	97	4,634	137	160	W	505
Nevada	17,722	207,145	18,135	15,282	18,088	20,109
New Hampshire	2,196	42,673	2,706	3,795	3,375	3,922
New Jersey	24,423	290,843	23,354	24,504	24,677	29,675
New Mexico	6,866	77,947	6,933	5,581	6,330	6,895
New York	34,953	475,658	31,355	33,652	39,937	49,022
North Carolina	23,283	268,925	22,474	22,200	19,195	23,579
North Dakota	382	3,671	W	W	W	433
Ohio	19,915	210,460	17,199	15,918	13,838	17,928
Oklahoma	21,749	254,706	23,024	20,482	16,289	20,143
Oregon	10,374	113,988	11,609	11,382	10,746	11,754
Pennsylvania	35,776	439,248	35,621	36,071	38,145	39,738
Rhode Island	2,443	50,110	3,081	4,334	3,864	3,507
South Carolina	9,544	135,239	11,601	13,955	12,777	11,768
South Dakota	535	7,083	656	521	396	519
Tennessee	6,360	69,830	6,156	5,458	4,574	6,133
Texas	124,228	1,646,330	123,103	110,207	131,222	151,139
Utah	4,727	55,797	5,002	4,575	4,387	5,171
Vermont	*	19	1	1	*	1
Virginia	23,125	243,116	22,839	16,558	11,752	22,109
Washington	9,841	97,300	9,481	10,383	11,239	10,914
West Virginia	219	13,277	522	765	1,541	1,742
Wisconsin	10,264	101,211	9,879	7,700	7,455	9,104
Wyoming	W	706	W	W	W	W
Total	**776,558**	**9,671,095**	**771,355**	**737,310**	**797,631**	**901,839**

See footnotes at end of table.

Table 17

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

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

See footnotes at end of table.

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

State	2015 February	2015 January	2015 Total	2014 December	2014 November	2014 October
Alabama	31,501	35,616	345,102	30,690	32,978	30,231
Alaska	2,367	2,945	30,444	2,655	2,557	2,756
Arizona	8,635	11,365	207,085	9,662	14,336	19,918
Arkansas	12,257	9,850	71,921	5,414	3,611	4,517
California	46,614	61,882	824,868	65,065	61,128	84,859
Colorado	5,508	6,471	98,269	8,872	9,279	9,207
Connecticut	7,570	10,731	99,668	9,667	8,309	6,993
Delaware	1,594	3,037	45,534	3,954	4,164	3,945
District of Columbia	--	--	--	--	--	--
Florida	74,272	81,404	1,047,683	71,874	68,400	91,047
Georgia	25,962	29,248	289,783	24,112	24,802	29,659
Hawaii	--	--	--	--	--	--
Idaho	438	2,272	17,866	1,140	1,494	1,215
Illinois	5,612	5,960	42,081	3,183	2,790	4,048
Indiana	13,294	11,362	80,411	7,539	8,647	6,454
Iowa	1,309	1,354	11,035	1,333	711	1,202
Kansas	947	483	20,674	1,097	1,526	1,324
Kentucky	5,559	2,282	26,919	1,363	2,070	487
Louisiana	22,235	21,942	290,020	17,497	20,950	23,463
Maine	1,294	1,871	23,853	1,643	2,151	1,139
Maryland	1,389	1,114	20,844	1,186	1,189	1,642
Massachusetts	6,635	7,223	133,164	6,962	8,053	13,625
Michigan	14,668	14,221	102,166	7,830	6,682	8,239
Minnesota	3,496	2,419	29,496	3,207	2,183	4,382
Mississippi	30,519	26,543	221,910	20,002	15,661	18,827
Missouri	2,992	2,715	34,825	2,440	2,557	4,105
Montana	W	557	6,421	W	W	W
Nebraska	W	185	4,132	270	216	318
Nevada	13,116	12,919	167,916	13,781	13,019	15,972
New Hampshire	2,236	3,622	31,240	3,040	1,982	3,500
New Jersey	18,435	19,752	245,464	21,092	20,833	20,729
New Mexico	5,514	6,628	75,726	6,678	5,995	5,241
New York	29,469	35,355	453,223	35,391	32,754	35,414
North Carolina	20,073	21,994	206,226	21,194	16,980	12,618
North Dakota	W	W	40	6	11	6
Ohio	19,594	19,461	175,466	17,320	11,575	9,366
Oklahoma	20,710	20,692	207,993	16,076	12,743	15,052
Oregon	3,597	8,155	90,099	8,606	9,288	9,791
Pennsylvania	26,179	32,578	390,816	33,889	27,541	39,413
Rhode Island	1,716	2,157	44,852	2,877	2,592	4,151
South Carolina	7,075	7,192	88,861	6,232	5,949	6,421
South Dakota	495	516	3,189	535	284	148
Tennessee	6,914	4,753	45,019	3,139	4,114	2,552
Texas	115,697	128,404	1,427,565	107,682	100,792	118,224
Utah	3,411	4,026	58,499	4,710	4,952	5,028
Vermont	2	5	36	4	3	3
Virginia	17,633	17,681	158,672	12,101	10,330	7,553
Washington	2,245	5,010	84,950	6,669	6,501	9,741
West Virginia	436	260	6,816	235	333	1,283
Wisconsin	8,652	7,795	59,808	5,162	5,775	7,126
Wyoming	W	W	W	W	W	W
Total	**650,586**	**714,235**	**8,149,111**	**635,681**	**601,343**	**703,664**

See footnotes at end of table.

Table 17

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

State	September	August	July	June	May	April
						2014
Alabama	32,380	35,284	31,099	30,198	27,561	18,599
Alaska	2,257	2,625	2,599	2,560	2,347	2,134
Arizona	27,300	30,020	32,112	22,836	14,200	9,572
Arkansas	5,768	7,744	6,815	8,170	6,349	5,548
California	85,939	81,273	80,162	57,297	57,398	56,627
Colorado	9,165	8,724	10,259	8,009	8,078	5,403
Connecticut	8,034	10,607	11,214	8,873	7,880	8,519
Delaware	4,768	5,513	5,486	4,550	3,049	2,924
District of Columbia	--	--	--	--	--	--
Florida	96,828	113,710	105,467	96,523	95,379	88,427
Georgia	28,511	32,981	28,811	26,578	22,435	17,623
Hawaii	--	--	--	--	--	--
Idaho	2,390	2,815	2,119	592	545	244
Illinois	3,670	5,827	3,326	4,605	4,945	1,409
Indiana	4,616	6,190	5,785	5,146	6,037	3,730
Iowa	895	1,809	917	915	1,287	524
Kansas	1,565	2,750	2,216	2,021	2,554	1,478
Kentucky	709	1,083	1,320	1,136	1,471	3,752
Louisiana	25,736	33,347	28,009	27,851	28,269	22,342
Maine	1,237	2,000	3,650	3,015	1,161	1,817
Maryland	1,957	3,193	3,091	2,436	1,783	980
Massachusetts	13,588	16,221	18,042	13,335	11,054	10,978
Michigan	7,666	9,310	5,695	8,945	8,488	7,345
Minnesota	1,583	3,165	1,842	2,505	3,479	1,190
Mississippi	19,071	23,299	19,467	19,950	19,704	10,866
Missouri	2,910	4,405	3,880	2,539	2,872	1,591
Montana	645	795	547	W	397	W
Nebraska	204	630	514	308	830	510
Nevada	18,338	18,893	19,953	14,240	12,229	11,006
New Hampshire	3,344	3,286	3,971	2,843	2,973	3,350
New Jersey	23,199	24,388	28,273	22,840	17,667	15,072
New Mexico	5,982	8,440	7,574	7,110	6,452	5,934
New York	43,200	47,876	51,645	43,424	32,640	28,998
North Carolina	19,655	20,625	20,934	20,928	16,592	15,371
North Dakota	16	*	1	*	--	--
Ohio	16,927	19,112	16,116	15,086	13,830	11,416
Oklahoma	15,627	25,973	21,179	16,847	14,549	15,659
Oregon	11,052	10,644	8,113	2,539	2,792	2,325
Pennsylvania	38,115	40,817	41,600	36,271	29,586	22,702
Rhode Island	5,355	5,623	5,886	4,894	3,650	3,517
South Carolina	6,826	9,345	10,247	8,611	9,060	7,821
South Dakota	25	578	613	W	315	W
Tennessee	3,548	5,253	4,635	5,280	4,947	2,127
Texas	135,232	172,019	151,899	132,478	112,247	99,900
Utah	5,242	6,218	6,766	5,672	3,946	3,471
Vermont	3	3	3	3	2	1
Virginia	15,110	15,625	17,061	16,005	15,339	10,019
Washington	11,677	11,956	8,020	2,648	2,966	2,887
West Virginia	742	669	609	358	250	76
Wisconsin	4,180	5,994	4,384	4,595	6,022	4,066
Wyoming	W	W	W	W	W	W
Total	**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	March	February	January
			2014
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.

-- 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

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

(million cubic feet)

State	2016 January	2016 Total	2015 December	2015 November	2015 October	2015 September
Alabama	64,842	640,707	54,716	50,501	49,292	50,117
Alaska	NA	70,027	7,958	6,929	5,317	4,473
Arizona	30,610	336,195	30,415	25,804	29,557	35,461
Arkansas	30,965	270,209	22,561	18,552	14,702	17,958
California	222,856	2,257,216	235,282	195,837	186,757	189,292
Colorado	48,740	NA	49,929	40,791	22,856	19,128
Connecticut	29,274	250,527	23,268	19,928	17,525	15,795
Delaware	9,040	99,543	7,386	6,797	6,849	7,939
District of Columbia	5,148	29,157	2,907	2,437	1,740	1,072
Florida	106,363	NA	105,637	106,003	114,127	118,468
Georgia	79,308	683,796	56,505	55,858	52,445	49,172
Hawaii	259	2,929	251	228	240	233
Idaho	13,779	98,782	13,715	11,261	7,606	6,838
Illinois	151,423	NA	107,844	NA	57,973	43,969
Indiana	92,671	712,946	72,031	59,575	48,080	39,873
Iowa	40,243	NA	32,191	NA	21,170	17,814
Kansas	31,236	NA	24,751	NA	12,195	11,628
Kentucky	34,998	249,968	22,413	21,975	18,190	15,333
Louisiana	129,954	1,361,733	123,498	116,396	112,861	109,098
Maine	NA	NA	NA	NA	NA	NA
Maryland	31,061	205,407	18,593	16,455	12,704	9,762
Massachusetts	56,207	434,781	36,395	31,148	29,699	25,692
Michigan	119,295	NA	87,181	71,432	55,280	38,018
Minnesota	NA	NA	NA	35,845	27,097	22,872
Mississippi	50,000	NA	40,203	NA	37,302	NA
Missouri	42,639	271,116	30,729	21,864	13,729	12,195
Montana	9,465	NA	9,316	7,811	4,787	3,662
Nebraska	19,157	149,107	16,498	13,194	9,672	8,366
Nevada	31,756	NA	30,673	23,835	22,739	NA
New Hampshire	5,978	NA	NA	NA	NA	NA
New Jersey	97,654	NA	63,409	R56,474	NA	NA
New Mexico	19,201	156,429	19,223	14,369	10,795	10,219
New York	166,097	1,322,592	110,327	97,953	85,452	78,673
North Carolina	60,449	NA	NA	43,008	35,342	35,685
North Dakota	7,203	55,321	5,845	5,168	4,063	3,600
Ohio	134,276	949,865	88,545	74,007	55,863	46,019
Oklahoma	55,937	544,200	50,354	42,019	34,185	38,010
Oregon	27,245	233,523	28,283	25,529	18,493	18,287
Pennsylvania	133,446	1,078,193	96,515	87,069	78,980	67,203
Rhode Island	8,611	90,207	6,847	7,643	6,216	4,837
South Carolina	28,082	270,546	24,364	25,780	22,863	20,307
South Dakota	9,012	73,755	8,123	6,660	4,893	4,529
Tennessee	44,796	306,194	29,015	24,268	18,807	18,246
Texas	333,433	3,589,916	307,656	267,183	276,726	291,178
Utah	27,635	187,452	27,782	20,739	10,855	10,440
Vermont	1,695	11,766	1,168	1,024	875	566
Virginia	NA	NA	44,149	36,489	27,516	33,817
Washington	NA	NA	NA	NA	25,442	22,103
West Virginia	12,049	NA	NA	6,835	6,180	4,914
Wisconsin	66,219	454,450	49,528	38,845	29,272	23,582
Wyoming	8,468	72,765	9,112	7,317	4,917	4,513
Total	**2,902,212**	**R25,031,868**	**2,382,574**	**R2,056,654**	**R1,805,826**	**R1,727,140**

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016
(million cubic feet) – continued

State	2015 August	July	June	May	April	March
Alabama	54,897	56,930	53,334	50,430	42,013	52,242
Alaska	3,785	3,931	3,865	4,234	6,361	7,401
Arizona	42,499	38,296	35,358	19,019	19,745	17,323
Arkansas	21,854	22,018	19,176	17,538	20,449	28,113
California	199,015	192,918	176,488	163,981	165,806	169,115
Colorado	19,060	18,936	NA	22,284	24,823	32,281
Connecticut	17,528	16,880	14,828	15,438	20,407	27,952
Delaware	8,330	8,917	7,661	8,377	9,744	8,652
District of Columbia	1,037	984	1,071	1,170	1,806	3,974
Florida	126,037	124,560	NA	115,388	112,579	102,118
Georgia	54,742	58,820	52,141	48,114	43,137	56,984
Hawaii	240	243	245	228	254	252
Idaho	7,016	6,426	7,027	6,398	6,506	6,876
Illinois	42,537	45,724	42,648	47,454	68,229	112,415
Indiana	43,297	43,339	41,553	45,360	52,030	77,753
Iowa	18,504	19,248	18,170	19,102	21,424	29,888
Kansas	NA	17,191	11,903	NA	NA	NA
Kentucky	15,592	16,787	14,156	14,767	17,503	25,417
Louisiana	117,825	117,378	113,026	111,376	105,289	107,567
Maine	NA	NA	NA	NA	NA	NA
Maryland	10,397	12,233	10,059	10,729	13,599	25,079
Massachusetts	31,673	31,404	24,447	27,028	33,435	49,361
Michigan	37,730	39,804	37,619	NA	62,178	100,839
Minnesota	22,087	22,461	20,434	21,244	32,629	NA
Mississippi	R43,498	45,832	43,504	37,493	31,835	41,820
Missouri	14,233	15,028	12,825	11,717	18,800	33,023
Montana	NA	3,334	3,235	4,032	NA	6,327
Nebraska	9,420	10,715	9,078	9,453	10,561	13,430
Nevada	NA	24,653	NA	NA	NA	NA
New Hampshire	NA	NA	NA	NA	NA	NA
New Jersey	R46,180	47,857	41,966	NA	NA	92,180
New Mexico	12,236	11,371	10,551	9,056	10,919	13,581
New York	85,379	84,207	71,555	80,348	97,863	163,745
North Carolina	NA	37,432	38,346	35,890	34,202	NA
North Dakota	3,396	2,929	2,918	3,806	4,018	5,662
Ohio	48,583	50,025	49,400	53,072	71,920	121,545
Oklahoma	43,618	45,577	40,117	38,046	42,615	53,506
Oregon	17,582	17,872	16,776	16,048	18,591	16,946
Pennsylvania	73,764	74,666	67,354	64,067	82,728	118,940
Rhode Island	8,371	8,254	7,601	7,388	5,576	9,060
South Carolina	22,303	23,407	22,958	18,944	19,358	21,203
South Dakota	5,045	5,249	4,980	5,153	5,562	6,273
Tennessee	17,907	19,267	19,192	19,198	19,944	29,823
Texas	332,621	329,042	291,031	272,902	269,409	313,738
Utah	11,750	11,359	11,810	12,963	14,540	14,564
Vermont	544	587	568	498	890	1,484
Virginia	37,648	40,769	37,826	34,791	NA	46,663
Washington	20,020	21,431	19,627	18,099	20,996	23,671
West Virginia	4,922	5,114	4,733	4,850	6,379	10,720
Wisconsin	23,388	25,107	22,344	24,828	32,984	50,370
Wyoming	4,334	4,559	4,744	5,370	5,844	6,519
Total	**R1,873,006**	**1,889,299**	**1,729,717**	**1,684,240**	**1,841,715**	**2,401,346**

See footnotes at end of table.

Table 18

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016
(million cubic feet) – continued

State	2015 February	2015 January	2015 Total	2014 December	2014 November	2014 October
Alabama	60,691	65,544	599,473	55,859	57,340	48,984
Alaska	7,065	8,709	70,960	7,674	7,017	6,696
Arizona	17,764	24,953	294,459	20,663	21,715	25,203
Arkansas	34,420	32,866	249,549	25,366	19,109	16,336
California	166,602	216,124	2,265,431	217,366	181,285	191,093
Colorado	37,819	46,910	367,021	46,988	43,139	25,243
Connecticut	29,385	31,593	230,507	25,340	19,993	13,520
Delaware	8,451	10,439	99,736	10,239	9,230	7,616
District of Columbia	5,164	5,794	32,751	4,445	3,501	1,643
Florida	91,656	99,442	1,221,666	88,657	83,716	104,666
Georgia	75,688	80,190	645,253	64,386	63,780	51,897
Hawaii	237	278	2,927	252	228	234
Idaho	7,365	11,746	87,647	10,149	9,743	5,944
Illinois	158,539	156,696	1,062,377	124,735	114,914	63,725
Indiana	95,977	94,078	703,637	76,696	73,174	48,686
Iowa	39,737	39,641	317,784	35,039	33,162	22,429
Kansas	27,020	30,223	246,547	27,804	24,333	13,849
Kentucky	35,629	32,205	241,151	25,899	24,308	14,034
Louisiana	108,643	118,775	1,325,708	108,828	109,332	106,734
Maine	NA	NA	59,362	4,819	5,058	3,504
Maryland	33,283	32,515	201,199	24,996	20,208	10,357
Massachusetts	57,348	57,152	412,268	41,225	34,514	27,796
Michigan	136,861	132,844	824,527	95,114	85,516	51,877
Minnesota	60,949	59,554	460,653	57,952	49,106	31,193
Mississippi	48,491	46,313	390,396	37,062	31,046	31,494
Missouri	44,585	42,387	290,421	34,790	28,602	16,853
Montana	7,056	9,283	71,435	9,281	8,492	4,910
Nebraska	19,005	19,714	165,620	18,917	17,125	11,124
Nevada	21,412	25,061	247,182	24,151	20,049	20,909
New Hampshire	6,577	8,021	56,936	6,177	4,520	4,953
New Jersey	102,899	101,520	757,130	83,161	70,870	45,260
New Mexico	15,431	18,679	152,942	18,003	14,705	9,644
New York	183,131	183,957	1,319,852	144,249	116,464	75,877
North Carolina	57,817	57,812	449,335	50,727	42,746	27,094
North Dakota	6,940	6,974	54,307	5,889	5,501	3,485
Ohio	146,779	144,108	982,855	113,777	85,969	55,558
Oklahoma	58,825	57,328	508,363	46,355	32,369	30,698
Oregon	15,369	23,747	216,365	24,221	23,342	17,779
Pennsylvania	133,045	133,862	1,042,647	115,343	91,861	75,633
Rhode Island	9,013	9,400	85,849	7,963	6,626	5,751
South Carolina	23,838	25,221	229,454	21,664	20,489	16,088
South Dakota	8,428	8,858	73,917	8,376	7,600	5,024
Tennessee	47,524	43,001	297,814	33,696	28,839	17,679
Texas	295,639	342,791	3,415,789	295,687	259,502	257,979
Utah	17,302	23,349	198,278	23,459	21,017	12,838
Vermont	1,737	1,826	10,554	1,362	1,006	616
Virginia	57,365	56,062	404,939	42,878	36,107	21,315
Washington	21,917	30,907	298,088	32,897	32,137	23,873
West Virginia	12,547	11,538	86,978	9,359	8,448	6,210
Wisconsin	68,200	66,002	458,999	52,427	50,632	31,648
Wyoming	6,841	8,696	73,096	8,159	7,608	5,721
Total	**2,739,639**	**2,900,713**	**24,362,131**	**2,470,522**	**2,167,091**	**1,729,274**

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016
(million cubic feet) – continued

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

Table 18. Natural gas deliveries to all consumers, by state, 2014-2016
(million cubic feet) – continued

State	2014 March	2014 February	2014 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 January	2016 Total	2015 December	2015 November	2015 October	2015 September
Alabama	3.22	NA	3.27	3.61	3.83	3.81
Alaska	6.74	6.57	6.53	6.56	6.11	5.90
Arizona	3.64	NA	NA	4.42	4.25	4.48
Arkansas	3.43	4.76	4.00	4.16	5.63	5.58
California	2.72	3.27	3.02	3.08	3.32	3.42
Colorado	3.09	3.96	3.07	3.24	4.60	5.62
Connecticut	3.27	4.07	3.80	3.36	3.58	4.59
Delaware	3.81	NA	4.98	5.14	6.54	10.35
District of Columbia	--	--	--	--	--	--
Florida	3.86	NA	4.65	3.92	4.17	4.53
Georgia	3.54	3.82	3.51	3.37	3.80	4.14
Hawaii	10.93	18.11	14.81	14.92	14.59	15.38
Idaho	3.20	3.95	3.34	3.52	3.75	3.67
Illinois	3.12	3.82	3.43	3.17	3.61	4.91
Indiana	3.26	NA	3.52	3.62	NA	4.58
Iowa	3.65	NA	3.79	3.81	3.58	4.62
Kansas	3.38	NA	3.55	3.94	5.53	NA
Kentucky	3.24	NA	3.85	3.21	3.41	3.34
Louisiana	3.11	3.32	2.95	2.62	2.95	3.08
Maine	7.79	NA	8.01	7.52	4.38	5.52
Maryland	NA	4.99	5.19	4.26	4.07	7.19
Massachusetts	5.09	NA	5.42	4.42	4.62	7.59
Michigan	3.80	4.22	3.95	3.81	3.65	3.60
Minnesota	3.43	4.40	3.65	4.06	3.51	4.49
Mississippi	3.28	NA	4.29	NA	3.68	3.64
Missouri	3.29	4.65	3.49	3.86	5.35	6.75
Montana	3.23	3.71	3.25	2.87	3.28	3.10
Nebraska	3.62	NA	3.23	3.83	4.04	4.68
Nevada	3.38	4.06	3.15	3.57	4.40	4.38
New Hampshire	7.02	NA	6.40	4.34	NA	5.90
New Jersey	3.97	NA	4.27	4.30	4.37	5.00
New Mexico	2.72	NA	2.76	NA	3.34	3.57
New York	2.64	4.14	3.56	3.49	4.50	7.03
North Carolina	2.67	NA	3.10	NA	3.88	4.46
North Dakota	3.76	NA	3.94	4.16	4.58	5.00
Ohio	3.60	4.49	3.75	3.45	3.02	2.34
Oklahoma	3.48	4.59	3.86	4.22	5.28	5.45
Oregon	3.64	4.65	3.72	3.92	5.15	5.19
Pennsylvania	3.35	NA	4.15	4.31	NA	6.64
Rhode Island	2.23	NA	2.22	2.22	2.24	2.31
South Carolina	3.28	3.90	3.48	3.20	3.56	4.01
South Dakota	3.61	4.17	3.72	3.87	3.84	4.53
Tennessee	3.21	4.06	3.45	3.49	3.80	4.03
Texas	3.79	4.20	4.38	3.90	4.17	3.73
Utah	5.61	5.70	5.96	4.84	5.49	4.18
Vermont	5.52	NA	5.93	5.08	4.59	5.96
Virginia	3.40	NA	4.36	4.07	4.75	5.78
Washington	3.21	4.42	3.46	3.51	4.25	5.08
West Virginia	3.14	4.00	3.63	3.57	3.60	4.77
Wisconsin	4.02	4.71	3.96	4.21	4.25	5.61
Wyoming	3.62	4.36	3.89	3.88	4.09	3.89
Total	**3.44**	**4.25**	**3.76**	**3.68**	**4.00**	**4.54**

See footnotes at end of table.

Table 19

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

State	2015 August	July	June	May	April	March
Alabama	4.04	3.80	3.96	NA	4.08	4.12
Alaska	5.80	5.60	5.61	5.80	6.22	6.86
Arizona	4.53	4.55	4.29	3.81	3.95	5.45
Arkansas	6.92	6.97	6.46	5.52	6.31	4.87
California	3.55	3.56	3.42	2.96	3.13	3.27
Colorado	5.61	5.36	4.96	4.20	4.08	4.39
Connecticut	4.45	4.58	4.58	4.49	3.28	3.89
Delaware	10.03	10.56	NA	NA	6.31	4.89
District of Columbia	--	--	--	--	--	--
Florida	4.44	4.87	5.12	NA	5.24	NA
Georgia	4.16	4.16	4.17	3.93	4.04	R3.81
Hawaii	17.72	22.97	25.54	22.92	19.95	18.30
Idaho	4.50	4.65	3.99	3.81	3.42	4.86
Illinois	4.75	5.12	4.09	3.95	3.54	3.81
Indiana	4.82	4.57	4.61	4.26	3.55	4.23
Iowa	4.61	4.54	NA	4.32	4.12	NA
Kansas	NA	5.39	NA	5.72	3.64	4.35
Kentucky	3.41	3.44	3.65	3.78	3.75	4.24
Louisiana	3.28	3.48	3.22	3.04	3.08	3.69
Maine	NA	9.76	7.37	7.25	NA	9.28
Maryland	8.78	7.38	6.50	5.79	4.14	4.40
Massachusetts	7.15	7.30	6.25	NA	NA	4.96
Michigan	3.82	3.82	3.92	3.71	3.84	4.38
Minnesota	4.52	4.68	4.49	3.79	3.83	5.36
Mississippi	3.82	3.81	3.83	3.64	3.46	NA
Missouri	7.28	7.38	6.99	6.52	5.49	4.52
Montana	3.36	3.43	3.24	3.56	3.44	4.54
Nebraska	4.16	4.11	NA	4.71	3.93	4.87
Nevada	4.64	4.53	4.15	3.89	3.95	4.70
New Hampshire	7.17	7.87	9.74	5.52	4.46	6.46
New Jersey	4.84	4.67	4.78	4.73	4.48	5.09
New Mexico	3.74	3.64	3.55	3.17	3.56	3.77
New York	7.28	7.23	6.26	5.72	2.94	3.19
North Carolina	4.68	4.64	4.62	4.46	4.05	3.71
North Dakota	4.32	3.56	3.59	NA	4.08	4.85
Ohio	3.04	3.24	3.98	4.21	4.51	4.79
Oklahoma	5.43	5.17	4.82	4.23	4.34	4.46
Oregon	5.84	6.30	5.36	5.37	4.68	4.83
Pennsylvania	6.67	5.83	6.04	R6.61	4.11	4.23
Rhode Island	2.41	2.52	2.66	NA	3.09	3.59
South Carolina	3.96	3.97	4.07	4.09	4.11	4.11
South Dakota	4.55	4.13	3.83	3.26	3.72	4.65
Tennessee	4.00	4.12	4.14	4.60	3.95	4.32
Texas	3.86	3.94	3.71	3.59	3.75	4.18
Utah	3.96	4.34	3.99	5.69	5.99	6.40
Vermont	6.34	6.39	7.22	NA	6.55	6.62
Virginia	7.36	7.00	6.62	6.69	4.52	NA
Washington	5.84	5.29	5.24	5.10	4.19	4.96
West Virginia	4.72	5.37	4.49	4.06	3.62	3.99
Wisconsin	5.95	5.68	5.79	4.47	4.10	4.98
Wyoming	3.50	3.06	3.55	4.32	4.31	4.67
Total	**4.58**	**4.65**	**4.43**	**4.24**	**3.93**	**4.35**

See footnotes at end of table.

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

	2015		2014			
State	February	January	Total	December	November	October
Alabama	3.89	4.18	4.93	4.62	4.56	4.90
Alaska	7.21	7.43	6.34	6.06	6.24	6.10
Arizona	5.08	4.52	5.20	4.69	5.17	5.00
Arkansas	4.27	4.48	5.84	5.27	4.98	6.83
California	3.30	3.58	4.88	4.78	4.04	4.66
Colorado	4.18	3.89	5.42	4.92	4.61	5.84
Connecticut	4.50	4.26	5.61	4.88	4.78	4.62
Delaware	5.29	4.62	5.54	4.51	4.71	5.76
District of Columbia	--	--	--	--	--	--
Florida	5.25	5.33	5.05	4.72	4.81	4.82
Georgia	R3.56	3.87	5.19	4.95	4.58	4.85
Hawaii	17.90	13.58	26.94	16.84	22.38	23.44
Idaho	4.66	4.27	4.29	4.44	4.37	4.25
Illinois	4.06	3.87	6.28	5.31	4.72	4.47
Indiana	4.09	4.23	5.63	4.82	4.78	4.75
Iowa	4.26	4.81	6.24	5.65	5.03	4.97
Kansas	4.25	5.27	6.10	5.18	6.24	8.47
Kentucky	NA	4.48	5.16	4.97	4.80	4.75
Louisiana	3.86	4.15	4.90	4.65	4.49	4.44
Maine	11.79	10.83	10.33	12.28	10.99	4.25
Maryland	5.60	4.61	6.36	5.68	5.03	5.76
Massachusetts	7.43	5.44	6.96	6.25	5.55	5.90
Michigan	4.55	4.63	5.54	5.04	4.72	4.65
Minnesota	4.69	4.72	6.56	5.59	5.27	4.87
Mississippi	3.63	4.37	5.29	5.19	4.67	4.85
Missouri	4.25	4.43	5.76	5.11	5.05	6.26
Montana	4.34	4.53	5.03	4.83	4.03	4.28
Nebraska	4.29	5.08	5.58	4.99	4.93	4.69
Nevada	4.79	4.49	5.90	5.19	5.44	5.55
New Hampshire	10.71	10.03	9.28	9.97	6.90	5.64
New Jersey	5.34	NA	6.21	5.45	5.36	5.48
New Mexico	3.56	3.62	4.99	4.66	4.44	4.82
New York	4.43	3.84	5.47	4.27	4.22	5.23
North Carolina	3.87	3.90	5.41	4.71	4.60	5.50
North Dakota	4.77	5.03	6.37	5.97	5.35	5.60
Ohio	4.78	4.83	4.91	4.96	4.89	4.89
Oklahoma	4.44	5.21	5.35	4.95	5.42	6.27
Oregon	4.84	4.67	5.40	4.81	5.04	5.72
Pennsylvania	4.04	4.32	5.59	5.10	4.67	4.58
Rhode Island	3.63	3.61	4.03	3.61	3.61	3.64
South Carolina	4.02	4.23	5.22	5.00	5.00	5.43
South Dakota	4.43	4.62	6.14	5.54	4.97	5.00
Tennessee	4.17	4.30	5.37	4.66	4.93	5.16
Texas	4.32	4.94	5.77	5.62	5.81	5.66
Utah	6.81	6.35	5.74	6.78	5.53	5.89
Vermont	6.84	6.59	7.08	6.62	6.29	6.13
Virginia	5.33	4.56	5.98	5.24	5.12	6.59
Washington	4.89	4.79	5.82	5.15	5.38	5.87
West Virginia	4.04	4.13	5.07	4.80	4.52	4.46
Wisconsin	4.76	5.01	6.96	5.90	5.28	5.56
Wyoming	4.95	5.52	5.27	5.24	4.59	4.90
Total	**4.54**	**4.48**	**5.71**	**5.15**	**4.91**	**5.16**

See footnotes at end of table.

Table 19

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

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

			2014
State	**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**

[R] Revised data.

-- Not applicable.

[NA] Not available.

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

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

Table 20

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

State	2016 January	2015 Total	December	November	October	September
Alabama	12.00	13.95	14.30	17.67	19.12	20.38
Alaska	8.91	9.68	8.79	8.89	9.44	9.86
Arizona	11.99	17.04	12.75	14.57	20.77	23.01
Arkansas	9.54	11.20	10.34	13.80	17.40	18.15
California	11.45	11.38	11.37	10.31	11.53	11.91
Colorado	6.06	NA	6.45	6.88	9.26	13.03
Connecticut	10.32	NA	11.82	12.50	15.30	NA
Delaware	NA	NA	11.09	14.03	NA	23.22
District of Columbia	9.96	12.52	10.70	12.60	16.21	18.17
Florida	16.78	19.29	19.15	21.56	23.37	24.41
Georgia	10.79	15.06	14.41	15.20	20.43	25.75
Hawaii	33.36	40.00	38.20	38.46	37.38	36.33
Idaho	7.97	8.62	7.89	7.74	8.93	9.56
Illinois	5.82	7.95	6.28	7.11	9.68	15.35
Indiana	5.95	NA	6.91	7.32	9.26	15.21
Iowa	6.51	8.49	7.29	8.41	13.15	16.40
Kansas	7.27	NA	7.81	NA	14.37	19.68
Kentucky	7.88	10.94	9.41	11.07	16.21	21.14
Louisiana	9.42	10.71	10.70	13.57	14.79	15.57
Maine	13.12	NA	13.63	13.49	NA	21.79
Maryland	9.95	12.05	13.12	12.72	13.51	19.39
Massachusetts	11.93	NA	12.66	11.15	NA	13.23
Michigan	7.25	8.78	7.55	7.84	8.93	13.21
Minnesota	6.97	8.84	7.16	7.71	9.33	12.75
Mississippi	8.65	9.71	9.71	12.13	13.96	15.39
Missouri	7.98	11.59	9.51	14.08	20.53	23.91
Montana	6.80	8.21	6.81	7.34	9.01	11.04
Nebraska	6.49	8.94	6.88	9.51	13.92	15.70
Nevada	9.12	11.82	8.96	10.80	14.95	16.14
New Hampshire	14.05	NA	15.13	14.18	17.97	23.02
New Jersey	6.55	8.37	7.85	9.08	10.30	12.38
New Mexico	6.32	8.58	6.71	8.21	12.99	14.74
New York	10.31	11.20	11.42	12.27	14.26	17.53
North Carolina	8.75	NA	12.84	12.12	14.57	21.72
North Dakota	5.51	NA	5.61	6.57	9.60	NA
Ohio	6.48	9.49	7.40	9.68	15.36	24.31
Oklahoma	6.54	10.26	7.35	14.41	23.39	25.23
Oregon	10.43	NA	NA	10.10	13.88	14.81
Pennsylvania	8.75	NA	9.85	10.56	NA	18.32
Rhode Island	12.73	14.23	13.47	15.46	19.02	20.98
South Carolina	9.07	NA	NA	NA	16.51	24.15
South Dakota	6.28	8.21	6.56	7.95	10.32	14.21
Tennessee	7.42	9.69	9.28	11.82	14.51	17.47
Texas	7.79	10.65	9.34	15.54	19.25	20.97
Utah	8.59	9.72	8.75	9.22	10.85	10.89
Vermont	13.24	14.56	13.84	14.89	18.41	23.16
Virginia	9.45	11.58	12.09	11.72	15.81	19.45
Washington	9.23	10.61	9.15	9.71	11.24	11.71
West Virginia	8.30	10.46	8.84	9.60	12.20	17.53
Wisconsin	7.90	NA	7.38	7.89	8.42	12.80
Wyoming	6.90	9.19	7.11	8.57	13.00	15.37
Total	**8.31**	**10.38**	**9.29**	**10.06**	**12.59**	**16.37**

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	August	July	June	May	April	March
						2015
Alabama	20.60	20.35	19.49	17.67	15.12	12.00
Alaska	11.50	11.78	11.38	10.94	10.09	9.72
Arizona	24.01	23.59	21.53	19.21	18.94	18.93
Arkansas	19.19	17.53	15.95	13.32	11.21	9.60
California	11.85	11.68	11.72	11.34	10.92	11.29
Colorado	13.61	14.21	NA	NA	7.97	8.40
Connecticut	19.33	18.22	17.38	14.38	12.52	10.97
Delaware	23.75	21.80	20.74	16.05	12.74	11.27
District of Columbia	18.15	17.68	17.37	14.98	12.70	12.47
Florida	24.59	24.58	22.58	21.22	18.76	16.17
Georgia	24.78	25.45	24.37	20.46	16.41	12.51
Hawaii	37.43	45.12	48.61	45.22	40.77	39.70
Idaho	10.96	10.72	10.11	9.24	8.89	9.15
Illinois	15.87	15.10	13.60	11.45	8.40	7.43
Indiana	17.31	17.18	NA	13.40	10.63	9.21
Iowa	17.34	15.67	12.98	10.05	8.48	7.73
Kansas	20.79	19.38	17.69	14.53	13.67	9.77
Kentucky	22.36	23.26	21.66	17.22	13.02	9.02
Louisiana	16.20	15.18	14.71	13.30	11.05	8.67
Maine	22.87	20.79	17.15	16.59	17.35	17.54
Maryland	19.08	18.44	18.35	16.81	11.50	10.73
Massachusetts	13.78	13.26	12.15	NA	12.68	12.41
Michigan	13.52	13.65	12.50	10.50	8.86	8.34
Minnesota	13.01	13.30	13.54	10.65	8.90	9.50
Mississippi	15.82	14.87	14.42	12.94	10.55	8.25
Missouri	25.19	23.68	20.81	17.03	12.67	9.26
Montana	11.78	11.68	10.00	8.43	8.19	8.01
Nebraska	15.79	14.88	12.28	10.40	9.23	7.97
Nevada	16.41	16.72	15.51	14.34	13.30	11.84
New Hampshire	22.79	19.32	16.56	15.20	15.17	15.40
New Jersey	12.98	12.03	11.42	9.61	7.37	7.54
New Mexico	14.81	14.45	11.71	9.85	8.85	7.57
New York	17.33	17.10	16.28	12.70	10.18	9.34
North Carolina	NA	21.31	21.14	17.77	14.21	10.06
North Dakota	NA	21.07	17.38	10.21	8.62	7.54
Ohio	25.46	23.83	19.95	13.10	9.14	7.76
Oklahoma	26.66	23.13	19.22	15.80	12.24	7.54
Oregon	17.52	16.60	NA	14.35	12.08	13.85
Pennsylvania	18.62	17.83	15.82	13.67	10.84	10.93
Rhode Island	20.92	19.72	17.83	15.77	13.87	13.05
South Carolina	22.97	24.86	24.79	21.41	17.06	10.76
South Dakota	14.83	14.38	12.22	9.08	8.36	7.96
Tennessee	19.78	17.72	16.06	14.27	10.49	7.63
Texas	21.15	18.32	16.62	15.82	11.63	7.46
Utah	10.85	10.69	9.90	9.55	9.99	9.99
Vermont	23.04	21.69	19.41	15.81	13.73	13.09
Virginia	21.10	20.25	19.45	15.62	11.57	10.12
Washington	12.57	12.37	12.13	11.35	10.95	10.94
West Virginia	19.04	19.80	17.02	12.86	10.91	9.88
Wisconsin	14.05	13.27	13.10	9.28	NA	8.29
Wyoming	15.71	15.33	11.44	9.41	9.25	8.55
Total	**16.80**	**16.21**	**15.07**	**12.61**	**10.42**	**9.28**

See footnotes at end of table.

Table 20

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

State	2015 February	2015 January	2014 Total	2014 December	2014 November	2014 October
Alabama	12.06	12.64	14.59	13.51	14.49	20.57
Alaska	9.68	9.55	9.11	9.59	9.22	9.35
Arizona	18.87	14.36	17.20	16.55	17.48	21.92
Arkansas	10.48	10.21	10.39	10.38	11.72	17.48
California	11.52	11.67	11.51	11.27	11.04	12.32
Colorado	7.88	7.95	8.89	8.15	8.08	10.06
Connecticut	11.07	11.64	14.13	12.38	12.65	17.79
Delaware	11.33	11.23	13.21	12.09	14.86	21.17
District of Columbia	10.97	11.85	13.05	11.85	12.50	14.12
Florida	15.92	16.60	19.02	17.20	20.31	23.66
Georgia	11.40	12.03	14.45	12.72	13.02	22.13
Hawaii	38.80	35.00	47.51	38.71	44.85	44.84
Idaho	8.82	8.66	8.54	8.49	8.40	8.69
Illinois	6.44	7.28	9.59	8.22	7.76	9.91
Indiana	7.53	8.11	9.02	8.44	7.09	8.06
Iowa	7.12	7.50	10.02	8.38	8.83	11.31
Kansas	8.61	9.22	10.59	9.04	10.72	16.89
Kentucky	8.98	9.54	10.62	9.89	10.16	15.91
Louisiana	9.04	9.17	10.89	10.16	11.54	15.82
Maine	17.47	17.93	16.90	18.26	16.31	17.51
Maryland	10.12	11.20	12.21	11.56	11.04	15.16
Massachusetts	13.55	14.47	14.50	14.85	14.47	13.14
Michigan	8.36	8.58	9.33	9.03	8.89	10.09
Minnesota	8.28	8.61	9.89	9.66	8.94	10.09
Mississippi	8.27	8.16	9.49	9.01	9.72	14.68
Missouri	9.64	9.43	10.83	10.45	12.23	19.08
Montana	8.15	8.33	9.11	8.26	8.52	10.08
Nebraska	7.95	8.38	8.77	8.13	9.09	12.44
Nevada	11.40	10.42	11.44	10.61	12.44	15.50
New Hampshire	16.28	NA	16.27	16.98	15.25	16.57
New Jersey	7.86	7.86	9.69	8.03	9.26	11.50
New Mexico	7.32	8.00	10.13	8.73	10.12	14.07
New York	9.79	10.51	12.54	10.66	12.27	15.99
North Carolina	8.99	10.13	11.88	11.30	10.89	15.88
North Dakota	7.04	7.87	8.86	7.96	7.85	10.39
Ohio	7.53	7.90	10.16	8.91	10.06	15.52
Oklahoma	8.09	7.85	10.10	8.16	12.89	23.93
Oregon	12.95	11.70	11.72	11.94	11.19	13.36
Pennsylvania	10.35	10.57	11.77	10.85	11.54	14.89
Rhode Island	12.92	13.22	15.14	13.71	16.98	21.73
South Carolina	8.91	10.29	12.65	11.69	10.66	18.88
South Dakota	7.50	7.63	9.27	7.79	8.46	10.75
Tennessee	8.53	8.78	10.13	9.20	10.11	16.12
Texas	8.48	8.66	11.16	10.06	12.69	19.55
Utah	10.40	9.44	9.48	9.89	9.76	11.08
Vermont	13.00	13.79	14.68	14.08	15.46	19.48
Virginia	9.27	10.76	12.07	11.10	11.92	18.73
Washington	10.79	10.75	10.59	10.46	10.33	10.25
West Virginia	9.77	9.78	10.21	9.96	10.38	11.53
Wisconsin	8.03	8.51	10.52	9.46	8.99	9.10
Wyoming	8.75	8.52	9.34	8.77	9.41	12.07
Total	**9.10**	**9.50**	**10.97**	**10.01**	**10.19**	**13.11**

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	September	August	July	June	May	April
						2014
Alabama	21.83	21.81	21.77	20.89	18.60	15.46
Alaska	10.43	12.05	12.01	10.63	7.77	6.82
Arizona	23.70	24.03	23.29	21.54	18.99	17.61
Arkansas	18.96	18.85	18.24	16.07	13.29	10.65
California	12.32	12.05	12.50	12.03	12.14	11.46
Colorado	13.58	15.47	15.45	12.81	10.23	9.30
Connecticut	20.30	20.65	20.34	20.33	17.78	16.51
Delaware	23.45	23.95	22.96	20.49	15.55	12.79
District of Columbia	16.87	16.90	17.99	16.68	14.23	14.02
Florida	24.73	25.39	24.68	22.02	20.88	18.70
Georgia	25.86	26.14	25.80	23.93	18.77	15.67
Hawaii	49.55	51.36	49.29	52.40	50.96	49.25
Idaho	9.28	9.39	9.11	9.25	8.95	8.47
Illinois	14.35	18.07	17.93	17.26	14.33	13.40
Indiana	13.75	15.50	17.38	21.29	15.51	11.64
Iowa	16.00	17.83	17.04	15.46	12.19	9.60
Kansas	20.09	21.20	20.37	18.22	13.72	11.41
Kentucky	22.23	22.84	23.34	21.38	16.13	11.39
Louisiana	16.44	16.12	16.39	15.54	13.92	11.57
Maine	22.80	25.70	23.11	19.40	16.53	16.20
Maryland	17.84	19.63	19.72	17.87	15.05	13.06
Massachusetts	15.40	16.22	16.11	14.82	14.69	15.74
Michigan	12.54	14.65	14.08	13.03	11.14	9.90
Minnesota	12.91	13.56	14.72	14.80	10.18	10.17
Mississippi	15.45	15.09	15.28	14.62	12.30	9.80
Missouri	24.84	25.86	25.05	21.26	15.34	11.34
Montana	11.18	13.58	13.39	12.45	10.92	9.79
Nebraska	14.79	15.78	15.57	13.50	10.64	9.01
Nevada	15.98	16.75	16.16	14.24	12.95	11.47
New Hampshire	20.74	21.71	20.34	17.02	17.27	16.95
New Jersey	12.90	13.05	12.77	12.23	11.06	9.43
New Mexico	15.57	16.29	16.24	14.45	11.77	10.75
New York	17.86	18.88	18.99	17.99	14.55	12.49
North Carolina	20.77	23.23	21.55	24.63	21.09	13.64
North Dakota	14.22	17.00	20.13	16.60	10.73	9.55
Ohio	23.30	25.28	24.66	20.55	13.55	9.94
Oklahoma	26.46	26.55	24.27	21.33	16.17	11.60
Oregon	15.53	16.90	14.58	14.30	13.75	11.97
Pennsylvania	18.78	20.46	20.23	18.55	13.93	11.94
Rhode Island	23.13	23.43	22.85	20.80	18.06	14.92
South Carolina	25.27	24.75	27.01	25.42	20.86	14.68
South Dakota	13.36	15.55	15.31	13.07	10.31	9.20
Tennessee	18.54	18.12	18.86	17.54	14.18	11.57
Texas	20.30	21.03	20.22	18.67	16.16	12.53
Utah	11.66	11.85	11.18	10.36	8.53	9.17
Vermont	22.49	23.63	22.45	20.12	15.77	13.58
Virginia	20.92	20.63	21.11	19.73	15.43	12.56
Washington	11.03	11.30	11.03	10.85	10.57	10.39
West Virginia	15.01	18.04	17.72	15.60	12.46	10.40
Wisconsin	12.28	13.73	14.35	13.60	14.55	11.56
Wyoming	14.80	16.72	15.58	12.51	9.85	9.27
Total	**16.27**	**17.41**	**17.23**	**16.13**	**13.60**	**11.76**

See footnotes at end of table.

Table 20

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

State	2014 March	2014 February	2014 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**

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)

	2016					2015
State	January	Total	December	November	October	September
Alabama	9.81	11.03	10.73	11.47	11.40	11.75
Alaska	7.18	7.80	7.39	7.43	7.67	7.03
Arizona	8.93	10.53	9.17	9.36	10.14	10.40
Arkansas	7.16	8.08	7.29	7.86	7.71	8.00
California	7.98	7.98	8.23	7.20	7.69	7.84
Colorado	5.79	NA	6.18	6.49	7.83	9.19
Connecticut	NA	NA	8.18	8.48	9.53	NA
Delaware	NA	10.70	9.15	10.82	12.54	13.93
District of Columbia	9.50	11.55	10.01	11.28	11.68	11.50
Florida	10.70	10.74	10.89	10.69	10.61	11.15
Georgia	6.57	8.49	7.80	9.72	8.65	9.38
Hawaii	24.18	31.17	28.72	28.13	27.06	28.60
Idaho	7.08	7.61	7.12	6.93	7.65	8.00
Illinois	5.52	7.26	6.02	6.63	8.21	11.81
Indiana	5.26	7.58	6.16	6.05	6.18	8.02
Iowa	5.35	6.49	5.72	6.39	5.99	8.14
Kansas	6.63	8.83	7.08	7.25	9.39	12.47
Kentucky	6.72	8.80	7.72	8.63	9.42	10.55
Louisiana	8.04	7.93	7.87	7.66	7.63	7.61
Maine	11.36	14.40	11.30	10.48	8.63	11.47
Maryland	NA	10.00	10.44	9.56	9.98	11.11
Massachusetts	9.34	NA	10.00	8.57	NA	8.52
Michigan	6.50	7.49	6.59	6.75	7.46	9.05
Minnesota	5.11	7.30	6.10	6.20	6.43	7.72
Mississippi	7.96	7.86	8.06	7.98	7.81	7.84
Missouri	7.06	9.10	7.84	9.86	11.01	10.71
Montana	6.77	7.82	6.59	7.05	8.22	9.37
Nebraska	5.46	6.54	5.34	5.67	5.91	6.43
Nevada	7.34	8.66	7.37	7.82	8.58	9.10
New Hampshire	11.46	13.63	12.39	11.15	12.30	14.76
New Jersey	7.76	8.52	8.24	8.66	8.10	8.03
New Mexico	5.08	NA	5.28	NA	7.67	7.65
New York	6.59	6.89	6.82	6.33	6.27	5.99
North Carolina	6.64	NA	NA	8.45	8.01	9.30
North Dakota	5.26	NA	5.23	5.68	NA	7.91
Ohio	5.32	6.62	5.53	6.03	6.79	7.99
Oklahoma	5.45	8.22	6.14	10.78	14.21	14.85
Oregon	8.84	NA	9.09	8.39	10.18	10.13
Pennsylvania	7.19	NA	8.13	8.27	NA	11.10
Rhode Island	10.37	11.97	10.96	12.87	15.74	17.11
South Carolina	7.72	8.37	10.06	8.35	7.97	8.28
South Dakota	4.99	6.11	5.29	5.27	5.68	7.07
Tennessee	6.93	8.46	8.33	8.72	8.92	9.37
Texas	5.90	NA	6.52	7.24	7.66	7.71
Utah	7.46	7.97	7.53	7.33	7.33	7.29
Vermont	7.14	NA	7.37	6.65	6.20	6.97
Virginia	6.88	8.11	7.93	7.57	8.02	8.91
Washington	7.85	9.14	7.80	8.35	9.32	9.42
West Virginia	7.18	9.15	7.64	7.94	9.96	11.49
Wisconsin	6.86	NA	6.12	6.34	5.37	6.18
Wyoming	6.16	NA	6.19	6.65	7.36	7.80
Total	**6.66**	**7.89**	**7.21**	**7.38**	**7.74**	**8.37**

See footnotes at end of table.

Table 21

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

State	2015 August	July	June	May	April	March
Alabama	11.93	11.89	11.70	11.52	11.55	10.48
Alaska	7.89	7.74	8.20	7.62	7.79	7.97
Arizona	10.52	10.67	10.83	10.76	10.84	11.40
Arkansas	8.19	8.09	8.20	7.89	7.75	8.02
California	7.87	7.68	7.66	6.98	7.83	8.64
Colorado	9.33	9.41	NA	NA	7.18	7.87
Connecticut	9.52	9.29	10.09	9.43	8.53	7.57
Delaware	13.86	13.35	12.71	11.90	10.60	10.26
District of Columbia	11.17	11.15	11.73	12.32	12.30	12.47
Florida	10.91	10.92	10.88	9.83	10.46	10.56
Georgia	9.07	9.08	9.02	8.61	8.60	7.96
Hawaii	30.45	36.02	38.76	36.86	32.56	31.08
Idaho	8.12	8.41	7.99	7.93	7.94	7.95
Illinois	12.68	11.48	11.62	10.05	7.65	6.80
Indiana	10.62	10.56	11.15	10.27	8.86	8.49
Iowa	8.95	8.45	7.33	6.50	6.25	6.47
Kansas	11.98	12.42	12.44	10.80	10.20	8.98
Kentucky	11.34	11.98	11.54	10.94	10.06	8.00
Louisiana	7.72	7.73	7.69	7.52	7.62	7.93
Maine	12.29	12.17	11.42	13.23	15.66	16.18
Maryland	11.61	10.98	11.74	11.50	9.53	9.41
Massachusetts	9.00	8.94	8.34	10.25	11.22	NA
Michigan	9.17	9.31	8.91	7.90	7.26	7.34
Minnesota	8.03	8.17	8.86	7.34	7.54	8.33
Mississippi	7.68	7.79	7.83	7.83	7.96	7.63
Missouri	11.85	11.87	11.13	10.34	9.30	8.15
Montana	9.44	9.42	8.81	7.97	7.93	7.74
Nebraska	6.25	6.03	5.51	5.54	6.38	6.67
Nevada	9.07	9.45	9.64	9.64	9.24	8.94
New Hampshire	14.78	13.74	12.55	12.26	12.85	13.46
New Jersey	8.78	8.66	8.35	7.86	7.33	8.57
New Mexico	7.65	7.52	6.77	6.89	6.16	5.78
New York	5.75	6.08	6.84	6.68	7.27	7.14
North Carolina	NA	9.38	9.81	8.47	8.32	NA
North Dakota	8.86	8.73	8.36	6.66	6.63	6.84
Ohio	8.02	8.14	7.82	7.17	6.64	6.45
Oklahoma	15.18	13.62	12.76	11.37	9.31	6.68
Oregon	11.12	10.76	NA	10.77	9.71	10.60
Pennsylvania	11.21	12.09	11.25	10.73	10.04	9.18
Rhode Island	17.00	16.62	15.39	13.01	11.71	11.12
South Carolina	8.04	8.33	8.38	7.94	8.26	7.75
South Dakota	7.15	7.35	6.79	6.34	6.25	6.43
Tennessee	9.86	9.34	9.03	9.04	8.69	7.34
Texas	7.63	7.50	6.53	6.85	6.62	NA
Utah	7.30	7.26	7.38	7.48	8.18	8.51
Vermont	NA	6.10	6.78	8.53	9.02	8.88
Virginia	8.58	8.55	9.12	9.06	8.17	7.62
Washington	10.04	9.80	9.58	9.46	9.40	9.37
West Virginia	11.90	11.49	12.45	10.71	9.54	8.97
Wisconsin	6.44	6.42	6.73	5.53	NA	7.05
Wyoming	7.55	7.74	7.89	7.66	7.79	7.83
Total	**[R]8.45**	**8.45**	**8.50**	**8.04**	**7.99**	**7.79**

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

	2015		2014			
State	February	January	Total	December	November	October
Alabama	10.60	10.74	11.92	11.19	11.51	12.55
Alaska	8.23	8.48	8.30	8.27	8.51	8.74
Arizona	11.75	10.72	10.34	11.12	10.95	11.47
Arkansas	8.51	8.42	7.88	8.28	8.52	8.39
California	8.52	8.89	9.05	9.26	8.50	8.88
Colorado	7.48	7.70	8.15	7.82	7.92	8.48
Connecticut	7.83	8.56	10.24	9.13	9.19	11.48
Delaware	10.11	10.19	11.42	10.54	11.92	13.94
District of Columbia	10.81	11.65	12.18	11.84	11.99	11.22
Florida	10.90	11.02	11.38	10.80	11.28	11.27
Georgia	8.07	8.36	9.86	9.04	8.79	11.49
Hawaii	30.83	25.72	40.42	29.74	36.64	36.33
Idaho	7.79	7.73	7.70	7.61	7.60	7.68
Illinois	6.14	6.81	8.86	7.76	7.14	8.68
Indiana	6.85	7.46	8.19	8.02	6.61	7.21
Iowa	6.25	6.58	8.15	7.50	6.96	7.14
Kansas	7.98	8.69	9.53	8.42	9.56	12.62
Kentucky	8.23	8.33	9.04	8.73	8.91	11.03
Louisiana	8.40	8.60	9.01	8.77	8.57	8.74
Maine	16.31	16.74	15.13	17.75	14.52	13.71
Maryland	9.58	10.03	10.52	10.57	9.37	10.79
Massachusetts	12.00	12.71	12.48	13.00	12.29	9.98
Michigan	7.51	7.67	8.28	7.95	7.93	8.68
Minnesota	7.15	7.86	8.66	8.50	8.04	8.37
Mississippi	7.84	8.01	8.36	8.27	8.49	8.97
Missouri	8.67	8.76	8.96	9.14	10.31	11.24
Montana	7.94	8.13	8.77	8.04	8.19	9.46
Nebraska	7.09	7.82	7.27	7.26	6.98	7.02
Nevada	8.82	8.60	8.21	8.58	8.98	9.32
New Hampshire	14.33	15.54	14.96	14.50	13.47	13.37
New Jersey	8.76	9.07	10.08	9.29	9.46	9.51
New Mexico	5.91	6.63	7.87	7.28	7.73	8.56
New York	7.21	7.56	8.31	7.60	7.32	7.20
North Carolina	7.31	8.33	9.12	9.47	8.73	9.81
North Dakota	6.86	7.50	7.74	7.64	7.43	8.00
Ohio	6.44	6.69	7.82	7.04	7.26	9.13
Oklahoma	7.09	7.03	8.26	7.06	10.47	15.78
Oregon	10.30	9.94	9.44	10.05	9.43	9.87
Pennsylvania	9.34	9.34	10.13	9.68	9.38	10.57
Rhode Island	11.10	11.22	12.89	11.21	14.68	18.23
South Carolina	8.04	8.83	9.55	9.94	8.71	9.46
South Dakota	6.21	6.37	7.65	6.92	6.85	7.81
Tennessee	8.21	8.59	9.30	8.90	9.15	10.57
Texas	NA	7.40	8.26	7.98	8.12	8.72
Utah	8.77	8.23	7.71	8.41	7.99	8.04
Vermont	8.94	8.93	9.13	8.68	8.64	8.52
Virginia	7.64	8.57	9.17	8.90	8.46	10.35
Washington	9.57	9.53	9.03	9.28	9.27	8.95
West Virginia	8.89	8.88	8.92	9.06	9.21	9.34
Wisconsin	7.26	7.37	8.74	8.22	7.61	6.61
Wyoming	8.03	NA	7.69	7.95	8.08	8.38
Total	**7.83**	**8.15**	**8.90**	**8.52**	**8.29**	**8.96**

See footnotes at end of table.

Table 21

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

State	September	August	July	June	May	April
						2014
Alabama	13.20	13.05	13.08	13.18	12.88	12.22
Alaska	8.74	9.29	9.18	8.74	6.71	6.47
Arizona	11.45	11.10	10.77	10.66	10.29	10.05
Arkansas	9.08	9.48	9.45	9.24	8.79	8.01
California	8.72	8.73	9.25	8.82	8.98	9.12
Colorado	10.45	10.96	11.01	9.72	8.72	8.43
Connecticut	11.13	10.84	11.21	12.70	12.50	12.25
Delaware	14.36	14.60	14.28	13.56	12.25	11.24
District of Columbia	11.96	11.63	13.27	13.05	12.97	12.13
Florida	11.77	11.93	12.18	11.73	11.59	11.50
Georgia	11.30	11.50	11.73	12.13	10.80	10.38
Hawaii	42.06	44.41	42.89	46.09	45.08	43.00
Idaho	7.71	7.89	7.62	7.74	7.94	7.85
Illinois	11.71	14.66	15.16	14.85	13.01	12.84
Indiana	8.28	9.93	10.43	11.38	11.73	10.13
Iowa	9.68	10.53	10.36	10.72	9.23	7.45
Kansas	13.62	13.93	14.12	13.30	11.30	10.59
Kentucky	12.46	12.73	12.61	12.77	11.80	9.37
Louisiana	9.00	8.66	9.37	9.33	9.59	9.28
Maine	14.42	14.98	14.79	14.61	15.13	14.97
Maryland	12.06	11.10	12.02	11.60	12.39	11.20
Massachusetts	11.68	12.01	11.86	11.84	12.40	13.81
Michigan	9.79	10.14	10.26	9.70	8.90	8.39
Minnesota	8.70	8.65	9.55	9.56	8.40	9.56
Mississippi	8.08	8.50	8.73	8.86	9.17	8.62
Missouri	12.43	12.64	12.73	11.98	10.33	9.10
Montana	9.94	11.11	11.50	11.50	10.49	9.56
Nebraska	6.86	7.48	7.63	7.01	7.84	8.01
Nevada	9.22	9.60	9.20	8.34	8.20	7.87
New Hampshire	16.05	16.56	16.23	14.83	15.66	16.91
New Jersey	9.59	9.67	10.30	9.98	9.41	9.45
New Mexico	8.78	9.03	9.19	8.84	8.29	8.49
New York	7.15	7.21	7.71	7.91	8.75	8.95
North Carolina	9.62	10.30	10.63	10.08	9.93	9.67
North Dakota	8.44	9.08	9.83	9.29	8.05	8.43
Ohio	8.85	10.04	10.31	10.28	8.72	8.08
Oklahoma	16.47	15.90	16.22	15.92	12.52	9.45
Oregon	9.79	9.77	10.00	10.02	9.88	9.56
Pennsylvania	12.33	12.90	13.07	12.96	11.53	10.82
Rhode Island	18.89	19.81	20.53	18.82	14.84	12.72
South Carolina	9.53	8.84	10.06	9.70	9.64	9.64
South Dakota	8.06	8.68	8.95	8.47	7.65	7.24
Tennessee	10.67	10.62	11.17	10.94	10.62	10.18
Texas	8.68	9.02	9.24	9.30	9.38	9.00
Utah	8.06	8.22	8.00	7.47	6.75	7.59
Vermont	8.01	7.76	8.01	8.16	8.36	8.67
Virginia	10.66	10.73	11.06	10.84	10.03	9.58
Washington	9.13	9.23	9.17	8.95	8.85	8.66
West Virginia	9.99	10.80	10.50	11.20	10.34	8.91
Wisconsin	7.72	7.50	8.59	9.45	10.83	9.85
Wyoming	9.19	9.30	9.09	8.26	7.66	7.79
Total	**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

			2014
State	**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

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

	2016					2015
State	January	Total	December	November	October	September
Alabama	3.54	3.94	3.48	3.33	3.48	3.68
Alaska	7.46	7.21	7.24	7.17	7.17	7.17
Arizona	6.57	NA	6.43	6.35	6.36	6.62
Arkansas	6.01	6.97	5.67	6.02	6.46	6.47
California	6.60	6.35	6.92	5.77	5.88	6.09
Colorado	4.19	NA	4.46	5.14	5.95	6.11
Connecticut	6.10	6.37	6.60	5.87	5.76	6.59
Delaware	NA	NA	8.32	9.62	11.15	11.40
District of Columbia	--	--	--	--	--	--
Florida	6.36	NA	NA	6.20	6.29	6.08
Georgia	3.57	NA	3.74	3.65	4.02	4.15
Hawaii	16.17	18.81	14.88	17.47	17.77	18.87
Idaho	5.41	5.82	5.39	4.92	5.77	5.93
Illinois	4.13	5.36	4.54	4.48	5.24	6.00
Indiana	4.31	NA	4.74	4.36	4.23	5.15
Iowa	5.18	NA	4.50	5.14	4.46	NA
Kansas	6.88	4.37	5.79	4.76	4.31	4.02
Kentucky	3.79	4.36	3.58	3.44	3.78	3.86
Louisiana	2.63	2.90	2.35	2.27	2.72	2.93
Maine	8.46	NA	8.50	8.20	4.56	4.72
Maryland	8.37	NA	10.84	10.90	9.53	8.76
Massachusetts	8.32	9.34	9.02	7.41	5.59	6.34
Michigan	5.79	6.59	5.77	5.70	6.33	6.66
Minnesota	NA	4.95	4.31	4.20	4.31	4.23
Mississippi	4.45	4.69	4.12	4.26	4.21	4.46
Missouri	NA	7.75	7.07	7.12	7.33	8.14
Montana	5.71	6.45	5.47	6.09	5.79	6.91
Nebraska	4.45	4.61	4.85	4.09	4.15	4.32
Nevada	6.52	NA	6.64	NA	8.66	8.63
New Hampshire	7.53	8.10	7.74	5.91	4.30	4.00
New Jersey	7.31	NA	7.92	R7.46	R7.72	R8.75
New Mexico	5.69	4.95	4.56	4.93	5.03	5.03
New York	6.49	NA	6.36	6.10	5.66	5.91
North Carolina	5.25	NA	5.70	5.57	5.86	5.96
North Dakota	2.43	3.14	2.88	2.58	2.76	2.81
Ohio	5.31	NA	5.55	5.64	6.68	NA
Oklahoma	9.63	NA	6.04	7.72	9.67	NA
Oregon	5.50	6.38	5.59	5.67	6.51	6.47
Pennsylvania	7.58	NA	8.18	9.10	9.59	10.34
Rhode Island	8.61	9.26	8.22	9.48	9.92	9.79
South Carolina	4.84	4.39	4.01	3.86	4.03	4.13
South Dakota	4.34	4.98	4.25	4.25	4.78	5.63
Tennessee	4.52	4.89	4.45	4.34	4.32	4.49
Texas	2.40	2.90	2.39	2.29	2.78	2.96
Utah	6.04	5.89	5.98	5.31	5.21	5.27
Vermont	5.14	5.50	5.81	5.42	5.58	4.65
Virginia	4.53	NA	4.49	3.95	4.22	4.86
Washington	7.31	8.71	7.27	7.87	8.48	8.87
West Virginia	2.95	NA	3.51	NA	4.37	4.34
Wisconsin	6.42	NA	5.43	5.37	4.69	4.56
Wyoming	3.97	NA	NA	5.06	4.93	4.85
Total	**3.50**	**3.84**	**3.38**	**3.18**	**R3.45**	**3.58**

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

						2015
State	**August**	**July**	**June**	**May**	**April**	**March**
Alabama	3.91	3.82	3.94	3.56	3.99	4.53
Alaska	7.17	7.17	7.17	7.21	7.13	7.14
Arizona	NA	6.80	6.91	6.59	7.01	7.19
Arkansas	6.62	6.71	6.50	6.45	6.87	7.74
California	6.07	6.02	6.23	5.46	6.39	6.83
Colorado	6.53	7.28	6.47	5.24	NA	6.10
Connecticut	5.66	5.88	6.03	6.20	6.79	5.83
Delaware	11.38	8.82	NA	9.78	9.56	10.20
District of Columbia	--	--	--	--	--	--
Florida	6.02	6.69	5.76	5.87	6.04	6.52
Georgia	4.25	4.06	4.28	NA	4.30	4.86
Hawaii	19.06	21.32	20.69	19.45	19.17	18.44
Idaho	6.08	6.09	5.84	5.86	5.92	6.01
Illinois	5.82	6.32	5.91	5.53	5.67	5.60
Indiana	5.79	6.22	5.64	6.07	NA	7.11
Iowa	5.00	5.32	4.66	NA	NA	5.54
Kansas	4.07	4.12	4.21	4.30	4.57	5.93
Kentucky	4.05	4.24	4.51	4.19	4.42	5.11
Louisiana	3.15	3.06	3.07	2.84	2.85	3.14
Maine	4.81	4.68	NA	NA	14.71	15.12
Maryland	7.97	NA	12.71	10.17	8.08	8.81
Massachusetts	7.08	6.64	6.99	8.85	9.80	9.73
Michigan	6.86	6.44	6.78	6.58	6.21	6.70
Minnesota	4.76	4.59	4.70	4.26	4.62	5.91
Mississippi	3.95	4.49	4.30	4.40	4.69	5.80
Missouri	7.45	8.06	7.69	7.50	8.13	7.97
Montana	5.86	6.33	4.83	6.41	6.91	7.16
Nebraska	4.38	4.31	3.87	4.18	5.60	5.45
Nevada	8.21	8.76	9.24	9.11	8.76	8.37
New Hampshire	4.75	4.81	5.62	6.52	8.54	9.49
New Jersey	R9.21	8.62	8.56	NA	8.28	8.22
New Mexico	4.93	4.86	4.76	4.40	4.85	5.28
New York	5.41	5.95	6.19	NA	7.55	7.32
North Carolina	5.70	5.78	5.67	5.51	5.93	6.50
North Dakota	2.96	3.12	2.90	2.82	3.02	3.78
Ohio	7.26	6.43	8.63	6.81	6.29	6.23
Oklahoma	8.56	NA	8.75	6.16	9.19	6.42
Oregon	6.49	6.39	6.34	6.38	6.34	6.75
Pennsylvania	11.12	10.81	10.96	10.30	8.86	NA
Rhode Island	10.09	9.61	9.38	9.75	9.20	9.00
South Carolina	4.46	4.22	4.31	3.96	4.11	4.68
South Dakota	5.34	5.33	4.79	5.13	5.05	4.95
Tennessee	4.65	4.66	4.76	4.69	4.84	5.52
Texas	3.14	3.08	3.05	2.82	2.88	3.01
Utah	5.29	5.17	5.69	5.90	6.47	6.68
Vermont	4.53	5.90	5.17	5.23	5.29	5.98
Virginia	5.41	4.81	5.08	5.34	5.16	5.31
Washington	8.94	9.45	9.11	8.97	9.28	8.73
West Virginia	4.39	4.38	4.32	4.29	4.48	4.74
Wisconsin	4.91	4.54	5.07	4.42	NA	6.40
Wyoming	4.85	4.72	5.30	5.12	5.47	5.28
Total	**3.73**	**3.67**	**3.69**	**3.50**	**3.86**	**4.35**

See footnotes at end of table.

Table 22

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

	2015		2014			
State	February	January	Total	December	November	October
Alabama	4.78	4.50	5.49	5.25	5.24	4.75
Alaska	7.35	7.33	7.97	7.76	7.73	7.87
Arizona	7.55	7.30	7.52	7.68	7.64	8.12
Arkansas	7.94	7.92	6.99	7.51	7.45	7.31
California	6.71	7.60	7.65	7.67	6.89	7.22
Colorado	6.05	5.91	6.84	6.22	6.51	7.16
Connecticut	6.54	7.91	8.07	8.41	7.46	7.23
Delaware	10.25	9.91	10.95	9.65	10.71	11.91
District of Columbia	--	--	--	--	--	--
Florida	7.11	8.38	6.89	6.48	6.64	6.91
Georgia	4.83	5.17	6.07	5.94	5.54	5.57
Hawaii	18.11	20.01	26.75	23.01	24.67	26.68
Idaho	6.14	6.15	5.96	6.11	5.38	5.93
Illinois	5.02	5.88	7.75	6.64	6.11	6.32
Indiana	6.62	7.44	7.45	7.36	5.31	6.02
Iowa	5.51	6.25	7.40	6.73	6.33	6.50
Kansas	6.00	7.20	5.70	6.37	5.72	5.60
Kentucky	5.11	5.35	5.80	5.80	5.25	5.50
Louisiana	3.17	3.43	4.68	4.29	4.18	4.21
Maine	15.22	15.21	11.93	14.34	13.61	9.01
Maryland	9.64	10.06	9.94	11.02	9.45	10.41
Massachusetts	11.00	11.90	11.53	11.98	11.28	8.45
Michigan	6.98	7.06	7.84	7.41	7.27	7.60
Minnesota	5.93	5.99	6.57	6.56	5.66	6.09
Mississippi	5.42	6.08	6.15	6.26	6.03	6.08
Missouri	7.82	8.06	8.00	8.36	8.25	7.99
Montana	7.29	8.08	7.99	7.64	7.84	7.36
Nebraska	4.39	4.90	5.69	6.43	5.95	5.98
Nevada	8.31	7.99	7.83	7.84	8.31	8.54
New Hampshire	9.79	11.08	9.46	8.74	7.31	6.25
New Jersey	8.69	9.27	10.45	9.99	10.22	8.33
New Mexico	5.43	6.26	6.45	6.33	6.40	6.56
New York	7.15	7.54	8.13	7.19	7.03	6.71
North Carolina	NA	6.86	7.55	7.42	7.02	7.66
North Dakota	3.87	3.92	5.61	5.50	4.90	4.44
Ohio	6.48	6.27	7.06	6.95	7.07	7.30
Oklahoma	7.23	7.44	8.27	5.12	8.60	14.42
Oregon	6.82	6.79	6.20	6.73	6.65	6.13
Pennsylvania	9.62	9.39	9.95	8.92	9.16	11.22
Rhode Island	9.01	9.12	10.27	9.28	10.76	11.94
South Carolina	5.65	5.45	6.13	6.07	5.58	5.38
South Dakota	5.14	5.63	6.88	5.94	5.71	6.70
Tennessee	5.58	5.78	6.31	6.37	5.76	5.68
Texas	3.11	3.38	4.71	4.51	3.98	4.26
Utah	6.70	6.61	5.83	6.49	5.65	5.49
Vermont	6.25	5.70	6.63	6.37	5.90	5.86
Virginia	NA	5.77	6.43	6.29	6.16	6.48
Washington	9.21	9.14	8.55	9.06	8.73	8.38
West Virginia	4.58	5.15	5.00	5.00	5.24	5.13
Wisconsin	6.66	6.78	8.08	7.59	6.98	6.30
Wyoming	5.51	5.80	5.89	5.00	5.74	5.30
Total	**4.60**	**4.76**	**5.55**	**5.54**	**4.97**	**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

						2014
State	September	August	July	June	May	April
Alabama	4.82	4.74	4.99	5.72	6.10	5.82
Alaska	8.01	7.84	8.10	7.85	7.84	7.82
Arizona	8.06	7.46	7.59	7.60	7.55	7.36
Arkansas	7.15	7.25	7.12	7.02	7.11	6.92
California	7.35	7.38	7.84	7.65	7.71	8.24
Colorado	7.58	8.05	7.70	7.75	7.22	6.94
Connecticut	7.39	7.02	7.25	7.89	8.93	8.83
Delaware	12.25	11.58	10.43	11.53	10.88	10.81
District of Columbia	--	--	--	--	--	--
Florida	6.41	7.16	7.29	6.90	7.23	6.86
Georgia	5.57	5.39	6.14	6.34	6.23	6.00
Hawaii	28.07	28.68	27.40	28.06	27.22	26.96
Idaho	5.67	6.01	5.63	6.14	5.72	5.88
Illinois	7.72	11.94	10.61	9.49	10.08	11.32
Indiana	6.38	7.53	8.65	6.80	7.82	9.05
Iowa	7.61	7.80	7.41	8.44	7.58	7.71
Kansas	5.11	5.17	5.62	5.69	5.81	6.39
Kentucky	5.51	5.19	5.54	5.76	5.88	5.70
Louisiana	4.19	4.08	4.53	4.88	4.97	4.84
Maine	8.74	9.69	10.53	10.30	11.01	13.58
Maryland	11.20	11.04	11.73	10.14	12.22	9.76
Massachusetts	9.50	9.88	10.32	10.21	11.59	13.53
Michigan	7.98	8.11	8.61	8.14	8.02	7.44
Minnesota	6.01	5.57	6.14	6.09	6.28	6.22
Mississippi	5.70	6.18	6.93	6.86	6.30	5.58
Missouri	8.02	8.11	8.38	8.39	8.49	8.43
Montana	7.83	10.01	10.23	9.58	10.34	9.35
Nebraska	6.18	5.98	5.96	4.87	5.36	6.26
Nevada	8.48	8.86	8.60	7.66	7.52	7.39
New Hampshire	7.76	8.62	8.60	9.90	11.13	12.00
New Jersey	10.27	11.68	10.88	10.41	9.25	9.93
New Mexico	6.23	6.32	6.51	6.52	6.31	6.74
New York	6.75	7.48	7.93	8.10	8.66	8.68
North Carolina	7.64	7.51	7.31	7.35	7.72	7.54
North Dakota	5.68	4.11	4.43	4.57	4.76	5.00
Ohio	8.10	7.18	7.03	8.56	8.11	7.36
Oklahoma	11.01	9.74	8.88	22.67	15.02	7.97
Oregon	6.34	6.35	6.16	6.09	6.01	6.02
Pennsylvania	10.46	10.82	10.15	10.70	10.32	9.89
Rhode Island	11.41	11.53	12.68	10.71	11.39	9.42
South Carolina	5.45	5.24	5.89	6.15	6.32	6.24
South Dakota	7.08	7.55	7.59	7.25	6.79	7.83
Tennessee	5.54	5.55	6.04	6.41	6.61	6.63
Texas	4.36	4.37	4.91	4.82	5.03	4.87
Utah	5.51	5.72	5.78	5.50	5.45	6.26
Vermont	5.58	5.48	5.97	6.42	6.10	6.10
Virginia	6.33	6.27	6.74	6.45	6.59	6.84
Washington	8.42	8.44	8.49	8.44	8.36	8.26
West Virginia	5.27	5.13	5.35	4.58	4.50	4.69
Wisconsin	6.93	6.52	7.37	6.72	10.57	8.98
Wyoming	5.74	6.15	6.01	6.08	6.08	7.04
Total	**4.96**	**4.90**	**5.36**	**5.42**	**5.69**	**5.78**

See footnotes at end of table.

Table 22

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

			2014
State	**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)

	2016					2015
State	January	Total	December	November	October	September
Alabama	2.95	3.06	W	W	2.78	3.07
Alaska	6.47	5.40	5.44	5.48	5.45	5.48
Arizona	W	3.43	W	W	W	W
Arkansas	W	W	W	W	W	W
California	3.08	3.39	2.95	2.94	3.18	3.29
Colorado	W	3.81	W	W	W	W
Connecticut	6.12	4.73	5.06	5.14	3.17	3.08
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	4.41	3.98	3.90	4.31	4.46
Georgia	3.05	3.27	W	2.64	2.85	3.31
Hawaii	--	--	--	--	--	--
Idaho	2.67	2.89	2.41	2.72	2.92	3.01
Illinois	W	W	W	W	W	3.12
Indiana	W	W	W	W	W	W
Iowa	2.96	3.23	2.60	5.06	2.89	2.98
Kansas	4.26	3.95	4.66	4.03	4.88	3.68
Kentucky	W	W	W	2.50	W	W
Louisiana	W	W	W	W	W	W
Maine	W	W	W	W	W	W
Maryland	3.59	4.06	3.13	3.11	3.05	3.18
Massachusetts	4.73	4.38	2.53	3.62	4.31	4.14
Michigan	2.66	3.21	2.17	2.56	2.91	3.32
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	--	--	--	--	--	--
Nebraska	3.52	3.97	3.63	3.37	3.22	3.38
Nevada	2.98	3.34	3.00	2.85	3.24	3.30
New Hampshire	W	W	W	W	W	W
New Jersey	3.00	2.96	1.71	1.80	2.00	2.08
New Mexico	2.91	3.21	2.46	2.64	3.11	3.13
New York	3.76	3.51	2.96	2.69	2.60	2.51
North Carolina	W	W	W	W	W	W
North Dakota	2.45	2.89	2.07	2.08	2.67	3.09
Ohio	2.20	2.42	1.91	2.09	2.17	2.26
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	W	W	W
Pennsylvania	2.70	2.52	1.55	1.59	1.71	2.00
Rhode Island	W	W	W	3.50	3.74	2.78
South Carolina	W	W	W	W	W	W
South Dakota	2.57	3.31	2.25	2.92	2.90	3.31
Tennessee	2.58	2.74	2.33	2.31	2.47	2.61
Texas	2.52	2.88	2.23	2.30	2.66	2.88
Utah	2.81	W	W	W	W	W
Vermont	--	--	--	--	--	--
Virginia	W	3.55	W	W	W	W
Washington	W	W	W	W	W	W
West Virginia	2.22	W	1.52	1.90	W	W
Wisconsin	W	W	W	W	W	W
Wyoming	13.31	5.18	7.01	4.13	5.08	4.46
Total	**3.16**	**3.37**	**2.71**	**2.78**	**3.03**	**3.19**

See footnotes at end of table.

Table 23

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

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

See footnotes at end of table.

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

	2015		2014			
State	February	January	Total	December	November	October
Alabama	W	W	4.74	W	W	W
Alaska	5.49	5.95	5.06	5.13	4.97	4.96
Arizona	W	W	5.30	W	4.88	4.57
Arkansas	W	W	W	W	W	W
California	3.73	3.91	5.23	4.70	4.86	4.62
Colorado	W	4.72	5.49	5.21	W	W
Connecticut	12.82	8.77	6.82	5.85	5.18	3.01
Delaware	--	--	W	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	4.78	W	5.58	W	W	W
Georgia	W	W	4.98	4.06	4.71	4.36
Hawaii	--	--	--	--	--	--
Idaho	--	3.03	W	5.44	4.95	9.58
Illinois	4.81	W	W	W	W	W
Indiana	W	W	W	W	W	W
Iowa	4.70	4.98	6.18	4.15	5.42	4.09
Kansas	4.50	5.25	5.65	4.65	5.47	5.14
Kentucky	W	W	W	W	W	W
Louisiana	W	W	4.74	4.15	W	4.23
Maine	W	W	W	W	W	W
Maryland	W	6.65	5.35	W	4.86	W
Massachusetts	13.60	12.21	6.66	9.13	5.68	3.60
Michigan	4.11	3.61	6.78	4.48	4.96	4.51
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	--	--	W	--	--	--
Nebraska	4.90	4.48	5.84	4.89	5.25	4.63
Nevada	3.54	4.10	W	W	W	W
New Hampshire	W	W	W	W	W	W
New Jersey	9.88	5.80	4.83	3.94	4.13	2.73
New Mexico	3.11	3.71	4.93	4.00	4.51	4.79
New York	9.93	6.24	5.46	4.71	4.63	3.28
North Carolina	W	W	6.05	W	5.49	5.86
North Dakota	2.93	2.74	4.08	4.04	4.98	3.38
Ohio	3.31	2.92	4.31	3.65	3.80	3.16
Oklahoma	W	W	W	W	W	W
Oregon	3.12	3.24	W	W	W	W
Pennsylvania	8.29	4.28	5.04	3.21	3.80	2.27
Rhode Island	W	9.99	W	6.04	5.64	3.70
South Carolina	W	W	W	W	W	W
South Dakota	3.05	2.94	4.98	3.59	3.41	6.85
Tennessee	3.27	3.59	4.64	4.36	4.28	4.08
Texas	3.09	3.26	4.62	4.01	4.21	4.10
Utah	3.37	W	W	W	W	W
Vermont	--	--	W	--	--	--
Virginia	W	W	6.12	W	W	W
Washington	3.46	4.63	W	W	W	W
West Virginia	W	2.95	W	3.14	3.49	W
Wisconsin	W	W	5.47	4.94	4.96	4.42
Wyoming	9.15	5.89	W	28.40	11.98	6.28
Total	**4.99**	**4.29**	**5.19**	**4.50**	**4.68**	**4.23**

See footnotes at end of table.

Table 23

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

State	September	August	July	June	May	April
						2014
Alabama	W	W	W	W	5.06	W
Alaska	5.33	5.27	5.26	5.42	5.49	5.47
Arizona	4.89	4.78	5.17	5.32	5.78	6.06
Arkansas	W	W	W	W	W	W
California	4.81	4.81	5.07	5.44	5.48	5.40
Colorado	W	W	W	W	5.67	6.06
Connecticut	W	4.70	3.72	4.42	4.13	5.01
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	W	5.06	W	W	W	5.65
Georgia	4.56	4.51	4.75	5.29	5.35	5.43
Hawaii	--	--	--	--	--	--
Idaho	4.46	4.31	4.43	6.72	9.94	W
Illinois	W	4.42	W	W	W	W
Indiana	W	W	W	W	W	W
Iowa	4.30	4.22	5.38	5.86	5.65	7.07
Kansas	5.06	4.81	5.11	5.33	5.25	5.70
Kentucky	6.79	W	W	W	W	W
Louisiana	W	4.22	4.59	4.93	4.99	5.00
Maine	W	W	W	W	W	W
Maryland	4.46	4.27	4.73	5.36	W	5.52
Massachusetts	3.78	3.19	4.11	4.69	4.23	5.38
Michigan	4.67	4.66	5.12	5.34	5.27	5.38
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	--	--	--	--	--	--
Nebraska	5.01	4.74	4.89	5.47	6.15	5.71
Nevada	W	W	W	W	W	W
New Hampshire	W	W	W	W	W	W
New Jersey	2.90	2.80	3.34	3.74	3.77	4.73
New Mexico	4.61	4.59	4.79	5.35	5.20	5.22
New York	3.29	3.36	3.96	4.40	4.69	5.19
North Carolina	5.17	4.97	5.43	5.54	5.82	W
North Dakota	3.46	3.68	4.19	4.37	4.71	--
Ohio	3.35	3.30	3.68	4.26	4.49	4.68
Oklahoma	W	W	W	W	W	W
Oregon	W	W	W	5.11	W	5.18
Pennsylvania	2.45	2.55	2.94	3.39	3.87	4.49
Rhode Island	3.54	W	3.85	4.33	W	5.25
South Carolina	W	W	W	W	W	W
South Dakota	5.00	4.07	3.41	5.73	3.89	5.07
Tennessee	4.07	3.94	4.33	4.74	4.34	4.98
Texas	4.19	4.13	4.41	4.85	4.79	4.86
Utah	W	W	W	W	W	4.95
Vermont	--	--	--	--	--	--
Virginia	W	W	W	W	W	4.88
Washington	W	W	W	5.27	W	5.44
West Virginia	W	W	W	4.04	4.37	5.58
Wisconsin	4.84	W	4.96	5.44	5.36	5.63
Wyoming	5.83	11.19	6.39	5.16	8.59	7.40
Total	**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

			2014
State	**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

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

State	2016 January Residential	2016 January Commercial	2016 January Industrial	2015 Total Residential	2015 Total Commercial	2015 Total Industrial	2015 December Residential	2015 December Commercial	2015 December Industrial
Alabama	100.0	77.4	24.5	99.0	77.6	23.3	100.0	76.2	22.9
Alaska	100.0	99.7	100.0	100.0	98.2	100.0	100.0	99.7	100.0
Arizona	100.0	87.2	13.1	100.0	83.8	NA	100.0	85.5	13.6
Arkansas	100.0	47.2	1.6	100.0	42.5	1.7	100.0	41.8	1.7
California	95.3	54.8	4.9	94.9	50.0	3.8	95.6	54.8	4.6
Colorado	100.0	95.8	10.3	NA	NA	NA	100.0	95.8	9.8
Connecticut	96.6	NA	50.9	NA	NA	47.2	96.4	78.4	50.9
Delaware	100.0	NA	NA	100.0	45.7	NA	100.0	38.9	0.2
District of Columbia	74.8	22.6	0.0	73.2	21.4	0.0	72.4	21.9	0.0
Florida	97.5	29.4	3.0	97.8	NA	NA	97.6	28.6	NA
Georgia	100.0	100.0	19.4	100.0	100.0	NA	100.0	100.0	20.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	83.3	2.4	100.0	74.6	2.4	100.0	83.5	2.4
Illinois	87.5	41.2	9.8	86.3	NA	5.7	86.8	37.1	7.2
Indiana	96.1	71.5	3.1	NA	67.0	NA	96.0	67.8	2.0
Iowa	100.0	76.7	4.8	100.0	NA	NA	100.0	75.2	4.2
Kansas	100.0	67.5	0.7	NA	NA	NA	100.0	59.0	1.0
Kentucky	97.2	83.2	16.6	96.3	79.2	16.0	96.7	80.6	16.4
Louisiana	100.0	78.7	11.5	100.0	79.1	11.6	100.0	76.4	12.1
Maine	100.0	60.1	NA	100.0	51.5	NA	100.0	57.2	NA
Maryland	75.0	NA	13.5	73.1	27.4	NA	73.0	24.9	8.2
Massachusetts	99.2	48.1	23.7	NA	NA	26.3	99.2	44.4	24.6
Michigan	92.9	60.7	9.4	92.7	55.4	NA	93.0	56.5	8.3
Minnesota	100.0	88.6	NA	100.0	84.3	NA	100.0	89.0	NA
Mississippi	100.0	88.5	8.4	NA	NA	9.0	100.0	86.1	8.4
Missouri	100.0	78.9	NA	100.0	71.1	12.3	100.0	72.9	12.2
Montana	99.7	55.8	1.9	99.8	NA	NA	99.8	53.6	1.5
Nebraska	86.5	60.8	8.8	87.2	56.1	7.1	86.9	58.3	6.7
Nevada	100.0	69.4	23.8	100.0	57.9	NA	100.0	65.8	17.8
New Hampshire	100.0	57.4	15.5	100.0	58.4	NA	100.0	55.4	NA
New Jersey	94.2	47.4	9.4	93.4	NA	NA	94.3	42.0	7.6
New Mexico	100.0	61.4	2.7	100.0	NA	6.4	100.0	53.1	7.4
New York	100.0	100.0	7.2	100.0	100.0	NA	100.0	100.0	6.7
North Carolina	100.0	89.4	12.9	NA	NA	NA	100.0	NA	11.4
North Dakota	100.0	94.6	31.1	100.0	NA	39.6	100.0	94.3	24.7
Ohio	100.0	100.0	2.4	100.0	100.0	NA	100.0	100.0	2.0
Oklahoma	100.0	53.7	0.5	100.0	43.7	NA	100.0	47.6	0.9
Oregon	100.0	95.4	17.4	100.0	NA	16.6	100.0	95.3	16.6
Pennsylvania	87.7	42.5	1.4	NA	NA	NA	86.8	38.5	1.0
Rhode Island	100.0	56.3	3.9	100.0	53.9	5.3	100.0	54.1	4.8
South Carolina	100.0	94.8	37.9	100.0	91.3	42.1	100.0	90.1	38.5
South Dakota	100.0	84.7	6.3	100.0	81.0	4.1	100.0	83.0	5.2
Tennessee	100.0	91.2	28.2	100.0	88.6	29.6	100.0	88.4	28.6
Texas	99.8	78.6	40.8	99.9	NA	40.7	99.8	76.4	40.5
Utah	100.0	82.9	8.7	100.0	77.0	8.6	100.0	80.7	6.7
Vermont	100.0	100.0	100.0	100.0	NA	100.0	100.0	100.0	100.0
Virginia	91.3	60.8	NA	89.9	54.2	NA	89.5	53.2	10.5
Washington	100.0	87.3	NA	100.0	85.2	NA	100.0	87.2	NA
West Virginia	100.0	64.6	11.5	100.0	53.3	NA	100.0	56.0	NA
Wisconsin	100.0	78.7	21.6	100.0	NA	NA	100.0	77.7	17.7
Wyoming	73.1	54.2	2.6	73.3	NA	NA	75.7	53.2	NA
Total	**96.0**	**70.6**	**16.3**	**95.7**	**R65.9**	**15.9**	**96.1**	**67.8**	**16.0**

See footnotes at end of table.

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

	2015								
	November			October			September		
State	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	69.9	23.2	100.0	68.6	23.8	100.0	69.7	23.2
Alaska	100.0	99.9	100.0	100.0	98.7	100.0	100.0	98.3	100.0
Arizona	100.0	83.3	13.8	100.0	80.2	16.3	100.0	80.1	16.3
Arkansas	100.0	28.2	1.7	100.0	28.1	1.5	100.0	25.7	1.3
California	96.1	51.7	4.1	94.7	46.6	4.0	94.6	43.9	3.2
Colorado	100.0	95.7	9.1	100.0	93.1	6.6	100.0	90.8	5.8
Connecticut	95.9	75.4	49.8	94.6	73.5	47.8	NA	NA	44.5
Delaware	100.0	31.6	0.1	100.0	31.6	0.2	100.0	29.9	0.5
District of Columbia	70.1	17.4	0.0	70.6	15.9	0.0	69.6	15.0	0.0
Florida	97.6	27.6	3.5	97.7	27.8	3.0	97.9	27.7	3.5
Georgia	100.0	100.0	20.3	100.0	100.0	20.8	100.0	100.0	20.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	79.0	2.1	100.0	67.0	2.1	100.0	64.4	1.9
Illinois	88.2	NA	5.5	87.1	30.4	3.8	86.3	22.8	2.8
Indiana	95.9	65.5	1.7	95.4	64.0	1.4	95.9	57.5	1.1
Iowa	100.0	NA	6.3	100.0	70.3	5.2	100.0	59.3	NA
Kansas	NA	53.1	2.3	100.0	40.1	4.8	100.0	35.8	15.3
Kentucky	97.4	76.0	16.3	97.6	72.3	15.5	97.2	68.0	14.5
Louisiana	100.0	73.3	12.1	100.0	74.9	11.7	100.0	74.3	10.8
Maine	100.0	53.1	NA	100.0	47.7	NA	100.0	28.5	NA
Maryland	74.6	28.4	5.3	73.4	23.2	3.3	71.7	18.5	4.5
Massachusetts	99.3	37.9	19.9	NA	NA	18.2	99.2	26.4	19.3
Michigan	92.9	54.3	5.9	92.8	48.5	3.3	92.1	36.5	2.3
Minnesota	100.0	82.4	17.6	100.0	82.7	14.6	100.0	74.2	12.7
Mississippi	NA	NA	8.5	100.0	82.3	8.8	100.0	NA	9.6
Missouri	100.0	65.4	9.5	100.0	58.8	9.0	100.0	58.5	8.1
Montana	99.8	46.8	1.6	99.8	43.1	1.5	99.8	43.9	0.8
Nebraska	83.8	48.8	6.4	87.2	52.4	6.1	88.9	43.4	6.4
Nevada	100.0	58.7	NA	100.0	47.0	10.7	100.0	47.9	NA
New Hampshire	100.0	53.1	NA	100.0	48.8	NA	100.0	49.4	NA
New Jersey	94.0	37.2	R4.6	94.0	NA	R2.9	93.8	NA	R2.4
New Mexico	100.0	NA	8.7	99.9	38.6	10.0	100.0	47.1	7.9
New York	100.0	100.0	5.1	100.0	100.0	4.5	100.0	100.0	4.7
North Carolina	100.0	81.3	10.4	100.0	79.7	10.0	100.0	75.8	9.4
North Dakota	100.0	93.2	44.9	100.0	NA	44.0	100.0	87.0	41.6
Ohio	100.0	100.0	1.6	100.0	100.0	1.1	100.0	100.0	NA
Oklahoma	100.0	30.8	0.4	100.0	30.1	0.3	100.0	29.4	NA
Oregon	100.0	95.1	16.5	100.0	94.7	17.0	100.0	94.2	17.0
Pennsylvania	87.7	37.3	0.7	NA	NA	0.4	87.3	29.5	0.2
Rhode Island	100.0	48.6	4.4	100.0	53.9	3.3	100.0	53.1	3.4
South Carolina	100.0	91.3	42.8	100.0	89.7	43.6	100.0	88.8	43.2
South Dakota	100.0	80.8	5.4	100.0	75.5	2.8	100.0	69.1	2.0
Tennessee	100.0	85.5	29.4	100.0	81.9	31.4	100.0	79.7	29.3
Texas	99.6	66.1	40.0	100.0	64.3	40.9	100.0	62.6	41.3
Utah	100.0	76.1	7.2	100.0	67.0	7.7	100.0	66.7	7.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.7	50.4	7.5	89.3	48.0	10.0	88.8	40.0	9.0
Washington	100.0	86.0	NA	100.0	83.1	5.5	100.0	80.7	5.0
West Virginia	100.0	49.4	NA	100.0	45.9	13.9	100.0	27.5	12.8
Wisconsin	100.0	75.1	20.3	100.0	69.4	15.0	100.0	58.1	12.6
Wyoming	75.4	46.0	1.4	76.5	54.8	1.9	75.3	51.1	2.1
Total	**96.0**	**64.0**	**15.9**	**95.5**	**60.4**	**15.7**	**95.9**	**56.0**	**15.5**

See footnotes at end of table.

Table 24

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

	2015								
	August			July			June		
State	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	68.8	69.7	21.7	100.0	70.5	21.7	100.0	71.9	22.4
Alaska	100.0	97.2	100.0	100.0	96.6	100.0	100.0	97.7	100.0
Arizona	100.0	79.4	NA	100.0	80.7	16.3	100.0	82.0	16.2
Arkansas	100.0	25.0	1.6	100.0	28.0	1.2	100.0	27.3	1.2
California	94.9	43.5	3.1	94.8	45.0	3.1	94.6	47.3	3.1
Colorado	100.0	91.0	4.4	100.0	90.9	3.5	NA	NA	4.2
Connecticut	94.3	67.6	45.3	95.8	71.9	43.9	95.5	70.6	43.5
Delaware	100.0	33.4	0.1	100.0	35.8	0.2	100.0	38.4	NA
District of Columbia	68.8	16.0	0.0	68.0	15.8	0.0	83.8	26.4	0.0
Florida	97.7	26.9	3.3	97.8	28.0	3.3	98.1	NA	3.0
Georgia	100.0	100.0	21.2	100.0	100.0	20.0	100.0	100.0	19.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	58.6	2.0	100.0	52.9	2.2	100.0	58.2	2.1
Illinois	85.3	21.9	2.8	85.2	25.2	2.1	83.4	24.4	2.9
Indiana	95.5	53.9	1.1	95.1	56.8	1.3	NA	55.3	2.0
Iowa	100.0	55.5	1.9	100.0	59.1	2.4	100.0	57.8	2.1
Kansas	100.0	NA	19.2	100.0	31.1	18.2	100.0	42.4	8.3
Kentucky	97.6	67.6	16.1	96.9	66.4	15.9	96.6	67.6	16.0
Louisiana	100.0	77.0	11.1	100.0	81.2	11.3	100.0	82.1	11.2
Maine	100.0	27.5	NA	100.0	30.5	NA	100.0	37.6	NA
Maryland	71.7	17.1	0.8	70.8	21.5	NA	70.3	19.4	1.6
Massachusetts	99.3	26.7	21.3	99.3	28.3	21.1	99.3	34.2	24.2
Michigan	92.6	37.6	2.4	92.4	36.6	2.5	93.0	40.8	2.5
Minnesota	100.0	74.7	12.6	100.0	71.0	11.4	100.0	70.9	14.0
Mississippi	100.0	82.0	9.3	99.3	81.0	8.7	99.4	80.3	8.7
Missouri	100.0	57.3	8.5	100.0	58.6	7.5	100.0	62.2	8.7
Montana	99.8	49.3	NA	99.8	47.8	1.1	99.8	52.7	1.9
Nebraska	88.2	44.6	5.6	88.9	47.5	5.5	86.5	48.7	5.9
Nevada	100.0	46.6	NA	100.0	48.1	10.6	100.0	51.0	NA
New Hampshire	100.0	52.6	NA	100.0	53.2	NA	100.0	49.2	NA
New Jersey	93.6	17.1	R2.3	93.8	23.0	3.1	94.2	27.9	2.9
New Mexico	100.0	46.5	9.5	100.0	47.4	7.3	100.0	51.4	5.3
New York	100.0	100.0	4.9	100.0	100.0	5.0	100.0	100.0	5.5
North Carolina	NA	NA	9.4	100.0	73.6	8.7	100.0	76.5	8.8
North Dakota	100.0	82.9	34.8	100.0	85.7	23.9	100.0	85.1	39.3
Ohio	100.0	100.0	1.0	100.0	100.0	1.4	100.0	100.0	0.6
Oklahoma	100.0	28.6	0.4	100.0	30.4	NA	100.0	29.0	0.3
Oregon	100.0	94.0	15.4	100.0	94.3	15.3	100.0	NA	15.0
Pennsylvania	87.4	28.5	0.2	87.1	28.5	0.2	85.7	30.1	0.3
Rhode Island	100.0	52.8	3.5	100.0	51.5	4.8	100.0	50.0	5.2
South Carolina	100.0	90.2	41.8	100.0	90.1	42.2	100.0	89.7	41.9
South Dakota	100.0	69.8	2.2	100.0	71.7	1.9	100.0	71.8	2.4
Tennessee	100.0	76.7	29.5	100.0	79.8	27.8	100.0	80.8	29.0
Texas	99.7	63.0	39.5	99.7	65.9	41.5	99.8	66.9	41.4
Utah	100.0	65.1	8.0	100.0	66.9	10.9	100.0	67.1	11.4
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.8	44.3	7.7	87.6	47.0	7.3	87.5	43.1	8.1
Washington	100.0	84.3	4.1	100.0	79.6	4.5	100.0	79.8	4.8
West Virginia	100.0	32.7	12.1	100.0	28.1	11.5	100.0	26.3	13.0
Wisconsin	100.0	57.2	11.1	100.0	54.8	11.5	100.0	60.1	11.4
Wyoming	76.0	58.0	2.9	75.2	55.0	2.2	72.4	56.3	1.8
Total	**95.5**	**R55.1**	**15.3**	**95.7**	**57.1**	**15.6**	**95.5**	**57.8**	**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

									2015
			May			April			March
State	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.6	24.3	100.0	76.8	23.6	100.0	85.7	24.6
Alaska	100.0	98.9	100.0	100.0	99.7	100.0	100.0	99.7	100.0
Arizona	100.0	82.7	16.3	100.0	84.0	16.0	100.0	85.0	15.5
Arkansas	100.0	30.2	1.3	100.0	42.5	1.6	100.0	59.6	2.3
California	94.7	51.6	4.5	94.8	51.9	3.4	93.9	50.7	4.2
Colorado	NA	NA	8.7	100.0	93.5	NA	100.0	94.7	8.9
Connecticut	94.9	72.0	43.4	96.4	77.2	45.3	96.7	80.6	49.7
Delaware	100.0	43.3	0.2	100.0	54.0	0.5	100.0	54.7	0.4
District of Columbia	63.9	19.4	0.0	77.1	22.6	0.0	72.6	22.8	0.0
Florida	98.0	30.2	3.2	97.5	30.0	3.8	98.1	32.4	3.4
Georgia	100.0	100.0	NA	100.0	100.0	21.6	100.0	100.0	20.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	62.7	2.3	100.0	73.0	2.8	100.0	76.2	2.8
Illinois	83.0	25.8	3.4	83.4	33.1	4.7	84.6	39.0	7.9
Indiana	95.6	55.7	0.9	95.3	62.4	NA	95.9	69.4	2.7
Iowa	100.0	61.8	NA	100.0	66.0	NA	100.0	73.7	3.6
Kansas	100.0	38.3	NA	100.0	57.7	NA	100.0	67.7	NA
Kentucky	95.0	68.2	16.0	94.8	75.6	15.3	95.3	83.4	16.5
Louisiana	100.0	75.5	11.7	100.0	79.4	12.5	100.0	82.9	12.3
Maine	100.0	52.0	NA	100.0	53.4	NA	100.0	56.3	NA
Maryland	70.3	21.2	1.8	75.2	24.6	8.0	71.2	32.7	15.6
Massachusetts	NA	36.7	23.5	99.4	46.4	30.2	99.5	NA	31.4
Michigan	92.3	49.3	NA	91.9	52.9	6.5	92.4	59.9	11.2
Minnesota	100.0	79.6	12.8	100.0	81.2	14.8	100.0	83.7	NA
Mississippi	99.4	81.6	9.5	99.6	83.4	9.8	99.7	89.5	9.5
Missouri	100.0	60.3	9.4	100.0	69.0	12.9	100.0	78.0	16.8
Montana	99.8	53.2	1.0	99.8	NA	1.4	99.7	53.2	1.5
Nebraska	84.3	49.3	6.2	86.7	56.2	7.9	88.8	62.5	8.9
Nevada	100.0	50.1	NA	100.0	55.6	NA	100.0	60.7	NA
New Hampshire	100.0	55.3	NA	100.0	59.7	NA	100.0	61.5	NA
New Jersey	93.6	NA	NA	93.6	39.2	NA	93.3	53.8	14.0
New Mexico	100.0	52.4	6.2	100.0	59.8	5.4	100.0	62.6	2.9
New York	100.0	100.0	NA	100.0	100.0	7.4	100.0	100.0	8.0
North Carolina	100.0	76.6	9.2	100.0	80.1	10.2	100.0	NA	13.2
North Dakota	100.0	90.1	43.5	100.0	92.1	38.8	100.0	94.7	45.8
Ohio	100.0	100.0	1.1	100.0	100.0	1.5	100.0	100.0	3.2
Oklahoma	100.0	31.0	0.5	100.0	34.0	0.4	100.0	52.1	1.5
Oregon	100.0	95.0	16.1	100.0	95.6	17.2	100.0	95.4	17.1
Pennsylvania	85.3	33.3	0.4	85.4	37.1	1.1	86.0	44.0	NA
Rhode Island	100.0	46.8	4.0	100.0	51.7	6.0	100.0	55.6	8.6
South Carolina	100.0	89.2	41.9	100.0	90.3	44.0	100.0	91.8	43.8
South Dakota	100.0	77.8	3.2	100.0	79.7	3.9	100.0	82.9	6.7
Tennessee	100.0	84.0	30.4	100.0	88.3	28.9	100.0	92.8	30.3
Texas	99.7	64.2	43.6	99.8	68.9	40.0	99.9	NA	40.8
Utah	100.0	69.4	10.2	100.0	74.7	8.9	100.0	80.8	8.3
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.4	45.8	7.7	89.2	50.3	NA	89.4	58.9	16.5
Washington	100.0	81.5	5.5	100.0	85.1	6.5	100.0	87.5	7.4
West Virginia	100.0	34.0	12.2	100.0	52.0	19.4	100.0	67.0	17.1
Wisconsin	100.0	66.2	13.2	100.0	NA	NA	100.0	78.7	20.6
Wyoming	72.6	45.4	2.0	72.7	53.3	1.9	72.1	53.8	2.3
Total	**95.5**	**61.5**	**16.4**	**95.5**	**64.7**	**15.8**	**95.5**	**70.1**	**16.6**

See footnotes at end of table.

Table 24

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

	2015						2014		
	February			January			Total		
State	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	83.6	24.6	100.0	81.7	24.0	100.0	78.4	23.3
Alaska	100.0	95.2	100.0	100.0	95.6	100.0	100.0	94.5	100.0
Arizona	100.0	85.7	16.0	100.0	87.7	15.1	100.0	84.4	12.8
Arkansas	100.0	55.4	2.3	100.0	55.7	2.3	100.0	45.5	1.8
California	94.5	55.0	5.3	94.8	51.0	3.7	94.8	48.4	3.7
Colorado	100.0	95.2	9.3	100.0	95.7	9.9	100.0	94.5	7.7
Connecticut	96.5	79.2	50.4	96.9	78.5	47.2	95.9	67.2	39.4
Delaware	100.0	53.9	0.6	100.0	51.3	0.4	100.0	46.2	0.3
District of Columbia	74.7	25.0	0.0	74.1	22.6	0.0	73.8	19.9	0.0
Florida	97.6	33.8	3.5	97.9	32.4	2.8	97.8	32.3	3.5
Georgia	100.0	100.0	22.0	100.0	100.0	20.9	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	79.8	2.7	100.0	82.7	3.2	100.0	76.6	2.8
Illinois	87.3	43.1	10.2	87.1	42.7	9.7	87.3	38.5	6.4
Indiana	96.0	73.0	3.7	95.7	71.4	2.7	95.3	67.6	2.1
Iowa	100.0	76.5	6.3	100.0	76.3	4.8	100.0	74.4	4.8
Kansas	100.0	67.8	2.3	100.0	71.1	1.7	100.0	59.3	8.3
Kentucky	96.5	84.5	16.7	96.6	84.1	16.5	96.3	80.5	17.2
Louisiana	100.0	82.5	10.6	100.0	81.9	11.3	100.0	78.9	11.9
Maine	100.0	59.3	NA	100.0	55.8	NA	100.0	49.1	1.9
Maryland	73.8	32.4	17.3	74.0	32.7	14.3	72.8	27.3	7.3
Massachusetts	99.5	52.4	32.3	99.5	54.2	30.9	99.5	42.3	22.3
Michigan	93.1	63.5	12.5	92.7	60.3	10.4	92.2	55.2	7.6
Minnesota	100.0	86.2	18.1	100.0	90.5	16.3	100.0	90.2	17.9
Mississippi	100.0	89.4	9.3	99.5	90.1	8.7	100.0	87.5	9.9
Missouri	100.0	76.6	18.5	100.0	76.8	18.6	100.0	70.5	14.0
Montana	99.7	53.4	1.9	99.7	56.4	1.6	99.8	53.5	1.4
Nebraska	88.9	61.0	9.8	86.1	59.5	9.5	87.8	56.4	7.4
Nevada	100.0	66.3	17.0	100.0	68.9	23.0	100.0	58.4	15.5
New Hampshire	100.0	62.1	23.9	100.0	61.5	21.6	100.0	57.0	9.2
New Jersey	93.0	53.3	14.3	92.9	46.7	11.2	90.7	32.0	6.6
New Mexico	100.0	61.8	2.8	100.0	60.3	3.8	100.0	54.4	7.5
New York	100.0	100.0	8.8	100.0	100.0	7.0	100.0	100.0	6.1
North Carolina	100.0	90.7	NA	100.0	89.2	13.5	100.0	84.9	10.2
North Dakota	100.0	94.9	44.7	100.0	94.8	41.4	100.0	93.1	34.7
Ohio	100.0	100.0	3.1	100.0	100.0	3.3	100.0	100.0	2.0
Oklahoma	100.0	48.5	1.0	100.0	56.1	1.2	100.0	45.3	0.8
Oregon	100.0	95.6	17.7	100.0	96.4	17.6	100.0	96.0	17.2
Pennsylvania	86.4	45.7	2.3	86.5	45.5	2.0	86.2	41.4	1.2
Rhode Island	100.0	56.7	7.6	100.0	56.2	7.5	100.0	52.2	8.1
South Carolina	100.0	92.8	38.3	100.0	94.4	42.5	100.0	92.8	43.6
South Dakota	100.0	84.1	6.2	100.0	85.2	6.3	100.0	81.6	4.6
Tennessee	100.0	93.4	30.9	100.0	93.0	29.3	100.0	90.7	30.0
Texas	100.0	NA	39.2	100.0	80.4	39.8	99.8	72.6	40.3
Utah	100.0	78.4	7.7	100.0	85.0	8.6	100.0	78.3	10.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.9	62.5	NA	90.7	62.2	13.6	90.1	55.8	11.1
Washington	100.0	86.1	8.1	100.0	88.7	7.9	100.0	86.0	6.5
West Virginia	100.0	67.9	15.6	100.0	64.1	10.1	100.0	56.7	15.6
Wisconsin	100.0	81.0	22.2	100.0	81.0	23.3	100.0	77.0	19.6
Wyoming	72.9	43.2	2.9	70.9	NA	0.9	72.9	60.8	1.3
Total	**95.7**	**71.1**	**16.1**	**95.8**	**71.0**	**15.9**	**95.5**	**65.8**	**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

									2014
	December			November			October		
State	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	80.3	24.0	100.0	73.3	23.5	100.0	68.8	21.5
Alaska	100.0	98.5	100.0	100.0	97.2	100.0	100.0	89.7	100.0
Arizona	100.0	86.3	14.5	100.0	82.5	13.6	100.0	80.5	11.9
Arkansas	100.0	50.3	2.2	100.0	34.0	2.0	100.0	32.7	1.6
California	95.3	52.0	4.0	95.1	51.0	3.9	94.3	45.2	3.9
Colorado	100.0	95.8	9.6	100.0	95.7	9.7	100.0	93.1	6.6
Connecticut	96.6	77.3	45.5	95.4	72.7	41.8	94.7	64.2	40.8
Delaware	100.0	46.0	0.4	100.0	34.2	0.3	100.0	30.0	0.7
District of Columbia	73.6	21.1	0.0	54.4	18.8	0.0	53.6	15.8	0.0
Florida	97.8	33.0	3.5	97.5	32.1	3.7	97.5	29.2	3.2
Georgia	100.0	100.0	22.3	100.0	100.0	23.9	100.0	100.0	19.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.5	3.3	100.0	81.1	3.0	100.0	72.3	3.2
Illinois	86.4	38.6	7.9	89.2	40.5	6.7	87.4	32.9	4.4
Indiana	95.8	69.5	1.9	95.9	71.5	3.3	95.6	64.2	1.7
Iowa	100.0	75.8	5.8	100.0	78.0	8.3	100.0	72.0	4.7
Kansas	100.0	66.7	2.4	100.0	50.5	3.0	100.0	37.1	4.3
Kentucky	96.3	83.7	17.5	97.6	79.3	16.1	97.7	72.7	17.3
Louisiana	100.0	80.1	11.6	100.0	73.7	11.4	100.0	74.0	11.1
Maine	100.0	56.0	4.5	100.0	49.1	3.0	100.0	42.5	1.9
Maryland	72.9	30.0	9.8	75.3	29.6	5.9	71.3	21.0	3.7
Massachusetts	99.5	47.4	27.2	99.5	36.0	19.6	99.4	32.3	18.0
Michigan	92.7	59.1	9.2	93.3	58.0	7.4	92.4	46.3	3.8
Minnesota	100.0	94.7	24.2	100.0	84.3	19.9	100.0	78.7	13.8
Mississippi	100.0	88.7	8.8	100.0	84.1	8.9	100.0	83.0	9.4
Missouri	100.0	75.3	15.5	100.0	64.7	12.9	100.0	58.7	9.9
Montana	99.5	53.4	1.0	99.7	48.2	1.4	99.8	43.8	1.5
Nebraska	88.7	61.1	7.7	83.8	50.4	6.3	87.5	47.0	5.8
Nevada	100.0	62.7	20.7	100.0	56.6	17.8	100.0	49.0	14.6
New Hampshire	100.0	59.4	11.9	100.0	55.3	11.1	100.0	49.6	4.7
New Jersey	92.8	33.0	10.0	92.7	31.2	5.1	92.4	20.6	2.4
New Mexico	100.0	50.8	6.7	99.9	40.8	9.8	100.0	42.2	9.5
New York	100.0	100.0	6.4	100.0	100.0	4.6	100.0	100.0	4.4
North Carolina	100.0	86.6	12.4	100.0	86.8	11.2	100.0	81.1	9.5
North Dakota	100.0	94.0	32.1	100.0	93.3	26.3	100.0	88.5	30.7
Ohio	100.0	100.0	2.8	100.0	100.0	2.0	100.0	100.0	1.4
Oklahoma	100.0	50.8	0.9	100.0	40.7	0.5	100.0	29.1	0.2
Oregon	100.0	96.5	17.8	100.0	96.1	17.3	100.0	95.7	16.2
Pennsylvania	86.0	43.5	1.8	87.0	41.0	1.2	85.9	34.8	0.5
Rhode Island	100.0	56.9	8.2	100.0	48.9	7.3	100.0	36.8	6.8
South Carolina	100.0	91.9	42.6	100.0	92.9	41.9	100.0	89.6	44.6
South Dakota	100.0	83.4	6.9	100.0	82.7	6.8	100.0	73.3	3.0
Tennessee	100.0	91.3	29.3	100.0	89.0	29.8	100.0	84.3	29.3
Texas	99.8	75.6	38.6	99.8	69.4	39.6	99.8	64.8	39.1
Utah	100.0	81.1	9.5	100.0	78.9	11.9	100.0	71.3	12.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	90.4	59.0	13.5	91.5	57.1	9.9	89.5	48.2	8.4
Washington	100.0	89.1	7.9	100.0	88.3	5.8	100.0	83.7	5.6
West Virginia	100.0	62.3	12.9	100.0	60.9	17.1	100.0	45.1	16.4
Wisconsin	100.0	80.4	24.5	100.0	79.7	22.4	100.0	69.6	16.9
Wyoming	73.5	62.2	1.0	75.4	63.8	1.6	75.0	62.3	1.1
Total	**95.6**	**68.4**	**15.9**	**95.8**	**66.1**	**15.7**	**95.3**	**58.8**	**14.8**

[R] Revised data.

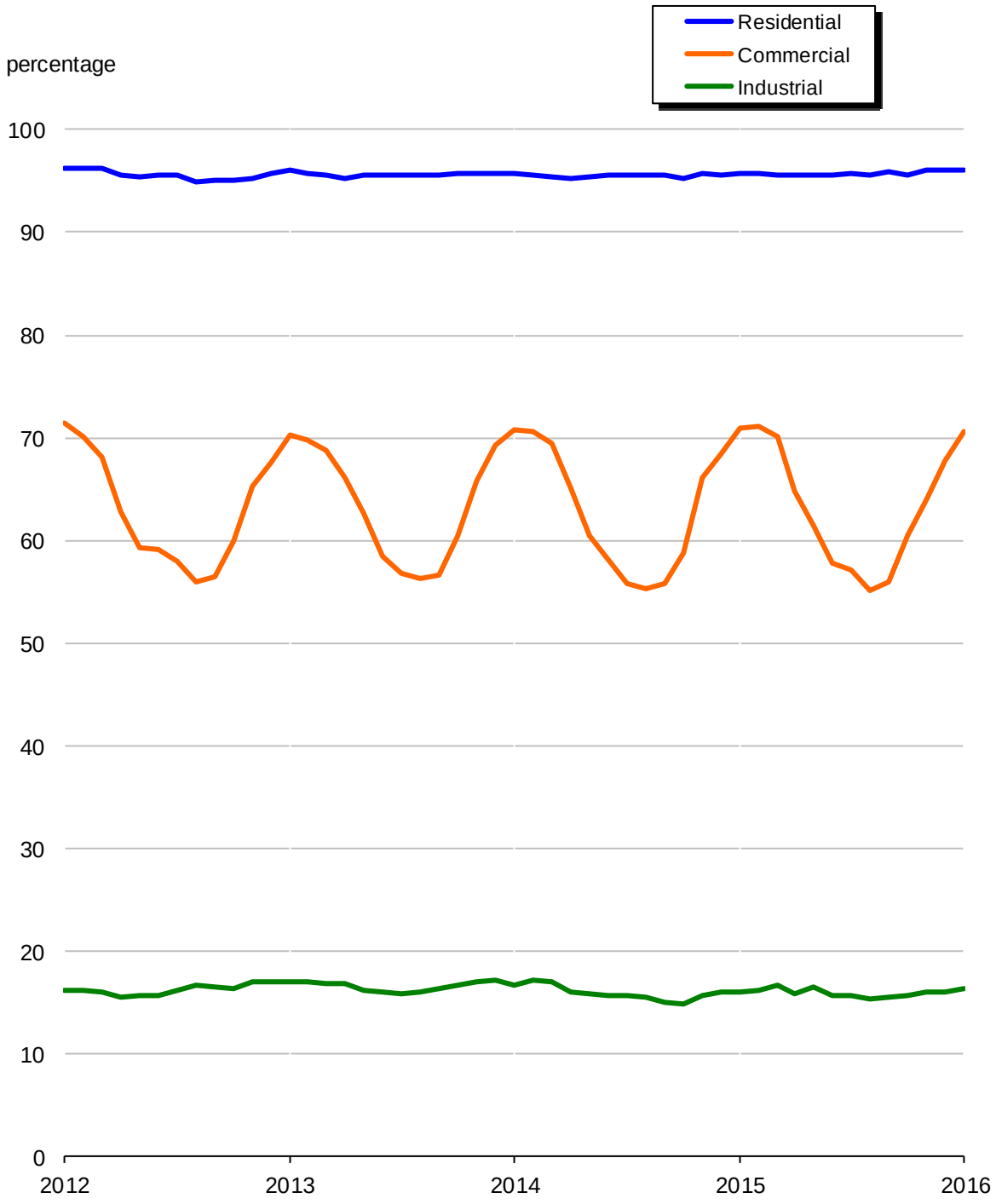
[NA] Not available.

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, 2012-2016



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 January	2016 Total	2015 December	2015 November	2015 October	2015 September
Alabama	1,029	1,030	1,029	1,029	1,030	1,030
Alaska	1,000	1,001	1,000	1,001	1,001	1,001
Arizona	1,046	1,039	1,044	1,041	1,042	1,040
Arkansas	1,019	1,028	1,015	1,014	1,029	1,019
California	1,038	1,035	1,037	1,037	1,035	1,037
Colorado	1,050	1,058	1,051	1,060	1,069	1,076
Connecticut	1,026	1,027	1,026	1,027	1,028	1,026
Delaware	1,055	1,050	1,049	1,051	1,051	1,043
District of Columbia	1,051	1,044	1,044	1,039	1,045	1,035
Florida	1,015	1,024	1,023	1,023	1,023	1,024
Georgia	1,029	1,028	1,027	1,026	1,028	1,029
Hawaii	998	981	997	996	996	989
Idaho	1,034	1,029	1,041	1,035	1,033	1,024
Illinois	1,031	1,029	1,030	1,030	1,028	1,028
Indiana	1,030	1,036	1,033	1,034	1,039	1,041
Iowa	1,053	1,052	1,056	1,057	1,058	1,058
Kansas	1,032	1,037	1,031	1,035	1,037	1,039
Kentucky	1,027	1,025	1,024	1,021	1,024	1,020
Louisiana	1,024	1,032	1,023	1,022	1,023	1,023
Maine	1,035	1,026	1,027	1,025	1,026	1,019
Maryland	1,061	1,055	1,050	1,049	1,053	1,050
Massachusetts	1,031	1,030	1,030	1,029	1,028	1,027
Michigan	1,040	1,031	1,040	1,041	1,034	1,036
Minnesota	1,043	1,041	1,041	1,045	1,041	1,039
Mississippi	1,031	1,031	1,030	1,029	1,028	1,031
Missouri	1,024	1,023	1,023	1,024	1,025	1,026
Montana	1,033	1,029	1,034	1,034	1,032	1,032
Nebraska	1,054	1,055	1,053	1,055	1,060	1,068
Nevada	1,043	1,043	1,042	1,043	1,043	1,044
New Hampshire	1,035	1,031	1,030	1,029	1,029	1,028
New Jersey	1,044	1,046	1,044	1,044	1,041	1,041
New Mexico	1,046	1,041	1,046	1,042	1,048	1,040
New York	1,033	1,033	1,033	1,032	1,032	1,032
North Carolina	1,034	1,034	1,034	1,033	1,040	1,038
North Dakota	1,095	1,054	1,112	1,097	1,093	1,078
Ohio	1,073	1,067	1,077	1,077	1,071	1,071
Oklahoma	1,049	1,047	1,050	1,047	1,049	1,049
Oregon	1,033	1,037	1,036	1,035	1,036	1,038
Pennsylvania	1,048	1,047	1,046	1,046	1,045	1,044
Rhode Island	1,032	1,028	1,028	1,028	1,028	1,028
South Carolina	1,031	1,030	1,030	1,030	1,031	1,031
South Dakota	1,060	1,051	1,058	1,053	1,053	1,056
Tennessee	1,035	1,027	1,034	1,031	1,032	1,025
Texas	1,029	1,033	1,030	1,033	1,036	1,036
Utah	1,046	1,044	1,046	1,044	1,044	1,042
Vermont	1,029	1,026	1,027	1,027	1,030	1,020
Virginia	1,055	1,053	1,057	1,051	1,053	1,055
Washington	1,070	1,065	1,073	1,069	1,064	1,066
West Virginia	1,092	1,086	1,090	1,114	1,090	1,102
Wisconsin	1,045	1,039	1,044	1,043	1,045	1,034
Wyoming	1,056	1,056	1,054	1,046	1,040	1,041
Total	**1,038**	**1,037**	**1,038**	**1,038**	**1,037**	**1,037**

See footnotes at end of table.

Table 25

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

(Btu per cubic foot) – continued

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

See footnotes at end of table.

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

(Btu per cubic foot) – continued

State	2015 February	2015 January	2014 Total	2014 December	2014 November	2014 October
Alabama	1,026	1,028	1,025	1,028	1,029	1,027
Alaska	1,000	1,000	1,002	1,001	1,001	1,001
Arizona	1,038	1,038	1,029	1,032	1,032	1,033
Arkansas	1,023	1,021	1,024	1,017	1,011	1,018
California	1,035	1,034	1,029	1,034	1,035	1,034
Colorado	1,044	1,046	1,043	1,051	1,042	1,055
Connecticut	1,026	1,017	1,020	1,017	1,018	1,020
Delaware	1,061	1,061	1,054	1,064	1,063	1,063
District of Columbia	1,047	1,045	1,037	1,043	1,044	1,041
Florida	1,025	1,024	1,021	1,025	1,024	1,023
Georgia	1,026	1,025	1,022	1,025	1,026	1,026
Hawaii	954	968	958	962	974	968
Idaho	1,037	1,047	1,025	1,039	1,046	1,019
Illinois	1,030	1,027	1,021	1,024	1,023	1,021
Indiana	1,029	1,028	1,021	1,029	1,025	1,027
Iowa	1,047	1,045	1,038	1,045	1,044	1,046
Kansas	1,034	1,033	1,021	1,025	1,028	1,025
Kentucky	1,018	1,023	1,028	1,019	1,017	1,022
Louisiana	1,031	1,030	1,030	1,038	1,037	1,034
Maine	1,035	1,033	1,028	1,027	1,025	1,016
Maryland	1,061	1,059	1,050	1,057	1,057	1,052
Massachusetts	1,035	1,035	1,031	1,028	1,029	1,028
Michigan	1,026	1,027	1,021	1,029	1,026	1,023
Minnesota	1,034	1,041	1,033	1,040	1,038	1,040
Mississippi	1,033	1,036	1,029	1,034	1,035	1,033
Missouri	1,020	1,017	1,015	1,017	1,017	1,018
Montana	1,029	1,028	1,026	1,030	1,026	1,031
Nebraska	1,054	1,052	1,039	1,052	1,049	1,053
Nevada	1,040	1,040	1,034	1,037	1,036	1,036
New Hampshire	1,041	1,037	1,032	1,030	1,028	1,028
New Jersey	1,050	1,050	1,042	1,045	1,044	1,039
New Mexico	1,038	1,038	1,035	1,037	1,037	1,039
New York	1,035	1,034	1,031	1,033	1,032	1,032
North Carolina	1,028	1,030	1,018	1,029	1,028	1,025
North Dakota	1,078	1,036	1,064	1,096	1,105	1,100
Ohio	1,062	1,065	1,045	1,060	1,057	1,054
Oklahoma	1,043	1,042	1,040	1,041	1,041	1,043
Oregon	1,031	1,031	1,025	1,028	1,028	1,029
Pennsylvania	1,054	1,053	1,047	1,052	1,049	1,044
Rhode Island	1,029	1,029	1,029	1,029	1,029	1,030
South Carolina	1,028	1,030	1,024	1,029	1,028	1,027
South Dakota	1,048	1,048	1,035	1,048	1,048	1,049
Tennessee	1,029	1,028	1,026	1,028	1,029	1,027
Texas	1,028	1,026	1,030	1,030	1,031	1,033
Utah	1,046	1,039	1,041	1,037	1,038	1,041
Vermont	1,035	1,026	1,016	1,021	1,019	1,015
Virginia	1,053	1,056	1,041	1,054	1,055	1,046
Washington	1,054	1,052	1,043	1,050	1,049	1,045
West Virginia	1,084	1,097	1,073	1,094	1,077	1,082
Wisconsin	1,044	1,042	1,032	1,038	1,035	1,034
Wyoming	1,041	1,043	1,042	1,036	1,033	1,030
Total	**1,036**	**1,036**	**1,030**	**1,035**	**1,034**	**1,033**

See footnotes at end of table.

Table 25

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

(Btu per cubic foot) – continued

State	September	August	July	June	May	April
						2014
Alabama	1,029	1,027	1,026	1,025	1,024	1,021
Alaska	1,001	1,001	1,001	1,001	1,001	1,002
Arizona	1,032	1,032	1,030	1,028	1,028	1,031
Arkansas	1,019	1,021	1,021	1,019	1,017	1,018
California	1,033	1,031	1,028	1,028	1,029	1,028
Colorado	1,050	1,048	1,048	1,050	1,051	1,041
Connecticut	1,021	1,023	1,022	1,022	1,020	1,019
Delaware	1,062	1,065	1,063	1,049	1,045	1,051
District of Columbia	1,039	1,038	1,038	1,038	1,035	1,038
Florida	1,024	1,023	1,022	1,019	1,019	1,019
Georgia	1,027	1,023	1,023	1,022	1,021	1,018
Hawaii	990	978	951	947	947	947
Idaho	1,005	996	984	993	1,006	1,022
Illinois	1,021	1,020	1,022	1,020	1,020	1,020
Indiana	1,028	1,030	1,025	1,023	1,023	1,019
Iowa	1,044	1,047	1,043	1,039	1,040	1,036
Kansas	1,027	1,025	1,025	1,023	1,022	1,023
Kentucky	1,038	1,036	1,034	1,037	1,031	1,028
Louisiana	1,031	1,029	1,029	1,025	1,028	1,021
Maine	1,023	1,039	1,031	1,030	1,033	1,030
Maryland	1,049	1,051	1,051	1,052	1,047	1,049
Massachusetts	1,029	1,029	1,030	1,031	1,030	1,030
Michigan	1,022	1,028	1,015	1,019	1,020	1,017
Minnesota	1,046	1,051	1,042	1,042	1,038	1,034
Mississippi	1,035	1,036	1,035	1,034	1,030	1,026
Missouri	1,017	1,018	1,016	1,016	1,011	1,014
Montana	1,040	1,036	1,038	1,030	1,032	1,027
Nebraska	1,050	1,052	1,051	1,047	1,043	1,043
Nevada	1,033	1,035	1,033	1,033	1,032	1,034
New Hampshire	1,027	1,030	1,033	1,038	1,032	1,031
New Jersey	1,039	1,038	1,040	1,037	1,035	1,040
New Mexico	1,041	1,046	1,041	1,033	1,030	1,028
New York	1,031	1,031	1,031	1,031	1,031	1,031
North Carolina	1,022	1,024	1,017	1,014	1,016	1,015
North Dakota	1,123	1,106	1,078	1,079	1,083	1,077
Ohio	1,052	1,052	1,053	1,048	1,047	1,050
Oklahoma	1,044	1,042	1,042	1,043	1,040	1,037
Oregon	1,033	1,035	1,029	1,044	1,041	1,034
Pennsylvania	1,045	1,046	1,046	1,044	1,044	1,046
Rhode Island	1,027	1,029	1,029	1,023	1,028	1,030
South Carolina	1,028	1,024	1,022	1,023	1,022	1,022
South Dakota	1,045	1,045	1,039	1,041	1,039	1,036
Tennessee	1,024	1,020	1,032	1,031	1,032	1,027
Texas	1,033	1,036	1,033	1,032	1,029	1,026
Utah	1,040	1,040	1,038	1,036	1,038	1,044
Vermont	1,015	1,018	1,011	1,031	1,026	1,014
Virginia	1,038	1,040	1,041	1,040	1,038	1,041
Washington	1,046	1,047	1,049	1,050	1,045	1,042
West Virginia	1,119	1,106	1,099	1,095	1,094	1,111
Wisconsin	1,034	1,034	1,029	1,032	1,033	1,032
Wyoming	1,031	1,031	1,025	1,026	1,029	1,031
Total	**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

			2014
State	**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 CT, ME, MA, NH, RI, VT	Middle Atlantic NJ, NY, PA	East North Central IL, IN, MI, OH, WI	West North Central IA, KS, MN, MO, ND, NE, SD	South Atlantic 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
November to February					
Normal	4,018	3,827	4,291	4,597	2,604
2015	4,350	4,205	4,667	4,702	2,860
2016	3,311	3,126	3,563	3,867	2,151
% Diff (normal to 2016)	-17.6	-18.3	-17.0	-15.9	-17.4
% Diff (2015 to 2016)	-23.9	-25.7	-23.7	-17.8	-24.8

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 AL, KY, MS, TN	West South Central AR, LA, OK, TX	Mountain AZ, CO, ID, MT, NV, NM, UT, WY	Pacific[b] CA, OR, WA	U.S. Average[b]
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
November to February					
Normal	2,655	1,895	3,593	1,855	3,283
2015	2,954	2,027	3,181	1,368	3,387
2016	2,165	1,492	3,400	1,727	2,774
% Diff (normal to 2016)	-18.5	-21.3	-5.4	-6.9	-15.5
% Diff (2015 to 2016)	-26.7	-26.4	6.9	26.2	-18.1

[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*.

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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:

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

where:

P = the NGPL composite spot price in dollars per MMBtu,
p_i = the monthly spot price for natural gas liquids product i in dollars per MMBtu,
V = the total volume of natural gas plant liquids produced in the report month,
v_i = the monthly production volume for natural gas plant liquids product i.

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

Annual Data

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

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

Note 10. Heating Degree-Days

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

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

Note 11. Heat Content

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

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Appendix B
Data Sources

Note 1. Production

Monthly Data

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

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

Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

A full description of the survey methodology may be found at the EIA-914 Methodology.

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

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

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

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

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

"Quarterly Natural Gas Import and Export Sales and Price Report"

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

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

Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"

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

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

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

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

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

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

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

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

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Appendix C
Statistical Considerations

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

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

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

Sample Design

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

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

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

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

Sampling Plan. Beginning in 2012, 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 byEIA-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 $\sum_{i \in s} y_{ij} \Big/ \sum_{i \in s} x_{ij}$ 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:

$$Radj = (SO * (1 - Oth) - EP - IN) * \frac{R}{R + C} \qquad (2)$$

$$Cadj = (SO * (1 - Oth) - EP - IN) * \frac{C}{R + C} \qquad (3)$$

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

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

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:

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

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:

$$Var(V_{.j}) = \sigma_\epsilon^2 \sum_{i=n+1}^{N} x_{ij} + \left(\sigma_\epsilon^2 \Big/ \sum_{i=1}^{n} x_{ij} \right) \left(\sum_{i=n+1}^{N} x_{ij} \right)^2 \qquad (8)$$

where:

$V_{.j}$ = the estimate of monthly gas volumes in a State for sector j,

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

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

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, January 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	1.9	1.2	0.17	0.16	0.09
Alaska	0.0	1.4	0.0	0.7	0.00	0.00	0.00
Arizona	2.4	3.6	1.0	1.8	0.24	0.11	0.05
Arkansas	1.7	0.5	3.1	1.2	0.31	0.43	0.52
California	1.8	2.1	0.3	0.9	0.77	0.67	0.39
Colorado	2.1	0.5	1.4	1.2	0.09	0.07	0.08
Connecticut	0.9	0.6	1.5	0.5	0.04	NA	0.02
Delaware	0.0	0.0	0.0	0.0	NA	NA	NA
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	2.1	1.2	0.6	0.6	0.14	0.19	0.15
Georgia	0.0	0.0	3.9	0.0	0.03	0.06	0.60
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.5	0.5	0.0	0.2	0.02	0.01	0.00
Illinois	0.4	0.2	1.3	0.3	0.10	0.12	0.18
Indiana	0.8	0.4	1.9	0.9	0.07	0.08	0.20
Iowa	0.7	1.4	1.6	0.8	0.12	0.18	0.74
Kansas	0.8	0.6	2.0	0.8	0.03	0.05	1.23
Kentucky	0.7	0.7	0.9	0.5	0.07	0.08	0.13
Louisiana	2.2	1.7	0.7	0.7	0.17	0.19	0.06
Maine	0.0	0.0	NA	NA	0.00	0.00	0.00
Maryland	0.3	1.7	1.5	0.7	0.09	NA	0.58
Massachusetts	1.5	1.0	2.6	0.9	0.17	0.16	0.27
Michigan	0.4	0.8	1.5	0.4	0.06	0.07	0.10
Minnesota	3.5	1.8	NA	NA	0.12	0.17	NA
Mississippi	4.9	3.9	2.7	2.1	0.17	0.18	0.10
Missouri	0.6	0.3	0.8	0.4	0.03	0.04	NA
Montana	0.5	0.6	5.1	1.3	0.01	0.08	0.00
Nebraska	0.5	0.3	1.2	0.5	0.19	0.14	0.26
Nevada	0.0	0.0	0.6	0.1	0.00	0.00	0.09
New Hampshire	0.0	0.0	9.9	2.3	0.00	0.00	0.71
New Jersey	0.0	0.0	0.7	0.1	0.00	0.00	0.21
New Mexico	2.5	0.6	2.4	1.4	0.05	0.07	0.28
New York	0.0	0.0	1.8	0.0	0.08	0.03	0.21
North Carolina	0.4	0.4	0.6	0.3	0.02	0.02	0.08
North Dakota	0.7	1.2	3.5	1.5	0.03	0.05	0.00
Ohio	0.0	0.0	2.5	0.0	0.05	0.03	0.45
Oklahoma	1.3	0.5	1.3	0.8	0.03	0.13	1.00
Oregon	0.0	0.0	2.2	0.7	0.00	0.00	0.00
Pennsylvania	0.5	0.8	2.0	0.6	0.14	0.12	0.26
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	0.7	1.9	3.8	1.7	0.22	0.13	0.18
South Dakota	1.3	1.4	0.8	0.6	0.19	0.19	0.06
Tennessee	0.9	0.7	0.9	0.5	0.06	0.06	0.07
Texas	0.7	0.7	0.6	0.5	0.12	0.10	0.03
Utah	0.4	0.1	0.6	0.2	0.00	0.00	0.31
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	0.7	0.7	NA	NA	0.18	0.19	0.43
Washington	1.0	2.0	NA	NA	0.05	0.05	0.03
West Virginia	1.5	1.1	3.6	1.2	0.10	0.12	0.90
Wisconsin	0.4	0.6	0.5	0.3	0.03	0.03	0.05
Wyoming	4.7	5.6	0.9	1.7	0.18	0.23	0.33
Total	**0.2**	**0.2**	**0.3**	**0.1**	**0.07**	**0.03**	**0.03**

NA Not available.

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

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Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nominal Dollars: A measure used to express nominal price.

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

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

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

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

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

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

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

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

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

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

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

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