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Preface

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

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

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

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

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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 November 2017.

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

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

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

Abbreviations

Common Abbreviations Used in the *Natural Gas Monthly*

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

Table 1. Summary of natural gas supply and disposition in the United States, 2012-2017

(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
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 Total	31,405	27,498	1,608	25,890	60	1,181	-254	-283	26,593
2015									
January	2,790	2,420	144	2,277	5	135	741	-42	3,115
February	2,521	2,197	130	2,067	4	109	757	-12	2,925
March	2,828	2,443	145	2,298	5	93	201	-6	2,591
April	2,759	2,398	142	2,256	5	75	-329	1	2,008
May	2,791	2,443	145	2,298	5	70	-507	-8	1,858
June	2,660	2,358	140	2,219	5	68	-370	-21	1,900
July	2,756	2,445	145	2,300	5	73	-292	-19	2,068
August	2,745	2,448	145	2,302	5	69	-317	-7	2,053
September	2,721	2,384	141	2,242	5	46	-381	-11	1,901
October	2,806	2,445	145	2,300	5	68	-339	-47	1,987
November	2,726	2,356	140	2,216	5	63	16	-51	2,249
December	2,812	2,435	144	2,290	5	66	272	-45	2,588
Total	32,915	28,772	1,707	27,065	59	935	-547	-268	27,244
2016									
January	2,828	2,443	156	2,287	5	105	741	-46	3,092
February	2,656	2,315	148	2,167	5	89	411	-20	2,651
March	2,828	2,449	156	2,293	5	46	53	-39	2,357
April	2,681	2,366	151	2,215	5	63	-171	-23	2,089
May	2,787	2,433	155	2,278	5	60	-337	-35	1,971
June	2,636	2,323	148	2,175	5	59	-229	-4	2,005
July	2,730	2,421	154	2,266	5	76	-139	-15	2,193
August	2,726	2,395	153	2,242	5	48	-130	51	2,216
September	2,630	2,304	147	2,157	5	37	-270	23	1,951
October	2,718	2,365	151	2,214	5	55	-317	-31	1,926
November	2,673	2,310	147	2,162	5	3	39	-44	2,164
December	2,742	2,356	150	2,206	5	30	688	-61	2,867
Total	32,636	28,479	1,817	26,663	57	671	339	-244	27,486
2017									
January	£2,727	£2,339	149	£2,191	5	20	675	9	2,899
February	£2,504	£2,148	143	£2,005	5	*	285	£32	2,326
March	£2,778	£2,381	161	£2,220	5	9	275	63	2,572
April	£2,682	£2,308	156	£2,153	5	-9	-230	8	1,927
May	£2,770	£2,391	164	£2,227	3	-10	-341	19	1,898
June	£2,682	£2,341	160	£2,180	4	-14	-281	23	1,913
July	£2,750	£2,443	166	£2,277	5	2	-150	9	2,143
August	£2,764	£2,444	163	£2,281	5	1	-196	49	£2,140
September	£2,757	£2,408	157	£2,251	5	£-21	-317	£11	1,930
October	£2,886	£2,504	176	£2,329	4	£-37	-248	£-12	£2,036
November	£2,873	£2,495	174	£2,321	6	-46	85	-13	2,352
2017 11-Month	£30,173	£26,203	1,770	£24,433	51	-105	-441	198	24,136
2016 11-Month	29,893	26,123	1,666	24,457	52	641	-349	-183	24,618
2015 11-Month	30,103	26,337	1,562	24,775	54	869	-819	-223	24,656

^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 2012 through 2016 include underground storage and liquefied natural gas storage. Data for January 2017 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): 9 for 2016; 57 for 2015; 27 for 2014; 54 for 2013; and 57 for 2012. 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.

* Volume is between -500 MMcf and 500 MMcf.

^R Revised data.

^E Estimated data.

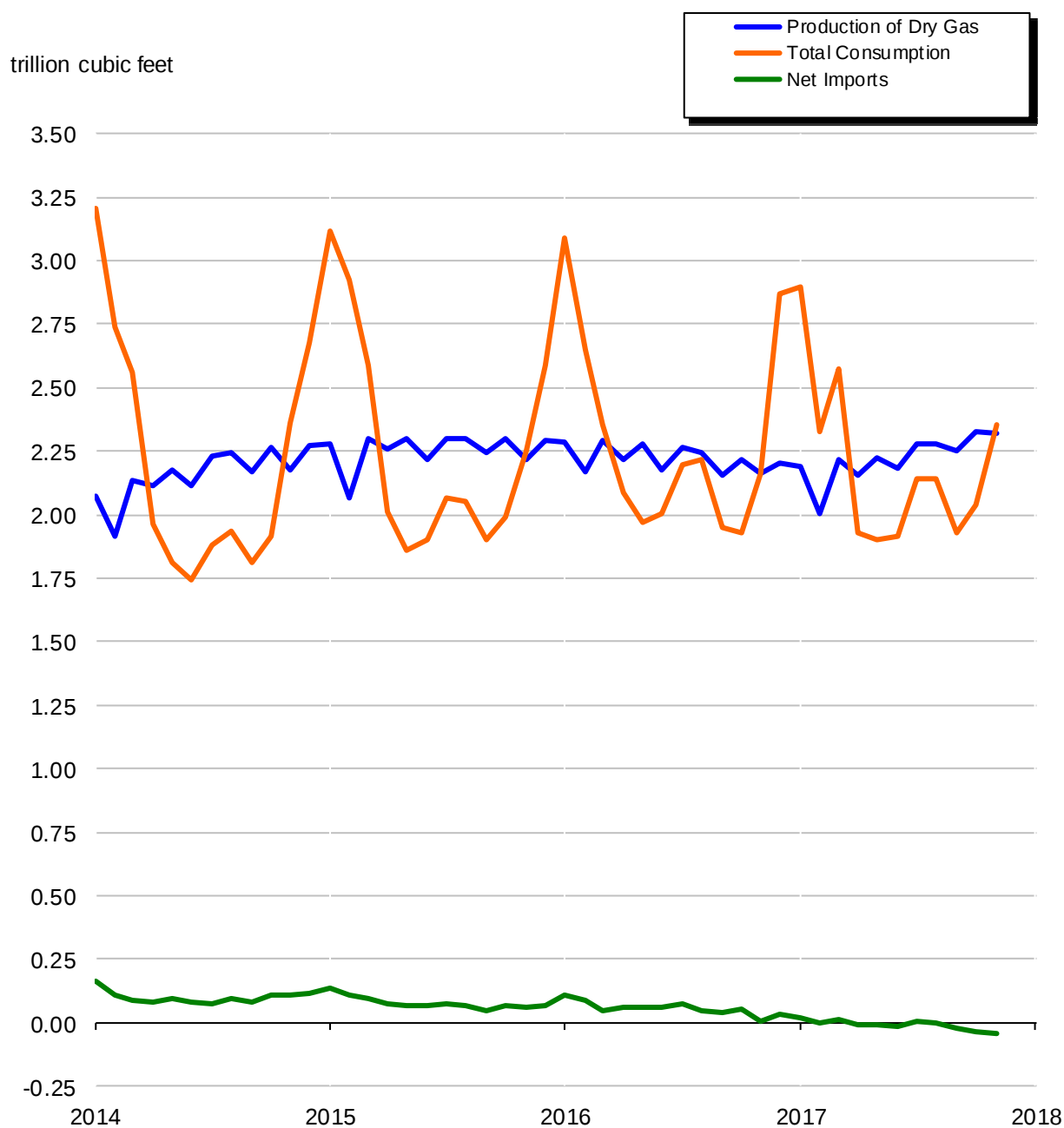
^{RE} Revised estimated data.

Notes: Data for 2012 through 2015 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 2012-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*. January 2017 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, 2014-2017



Sources: 2014-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*. January 2017 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, 2012-2017

(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		
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 Total	1,512	700	5,087	3,466	7,646	8,146	35	24,381	26,593	1,032
2015										
January	133	79	938	533	718	711	3	2,904	3,115	1,036
February	120	74	902	517	660	648	3	2,731	2,925	1,036
March	134	65	633	386	662	709	3	2,393	2,591	1,036
April	131	50	319	232	608	664	3	1,827	2,008	1,037
May	134	46	178	161	603	734	3	1,679	1,858	1,037
June	129	47	124	135	575	886	3	1,724	1,900	1,037
July	134	51	108	134	592	1,046	3	1,883	2,068	1,037
August	134	51	103	135	600	1,027	3	1,868	2,053	1,036
September	131	47	108	138	579	895	3	1,724	1,901	1,037
October	134	49	202	195	613	792	3	1,804	1,987	1,037
November	129	56	407	283	639	732	3	2,064	2,249	1,038
December	133	65	591	353	675	769	3	2,390	2,588	1,038
Total	1,576	678	4,613	3,202	7,522	9,613	39	24,989	27,244	1,037
2016										
January	136	80	879	503	720	771	3	2,876	3,092	1,038
February	129	68	690	413	662	686	3	2,454	2,651	1,038
March	137	60	455	298	662	743	3	2,161	2,357	1,037
April	132	53	328	233	620	721	3	1,905	2,089	1,037
May	136	49	194	171	612	806	3	1,786	1,971	1,034
June	130	51	123	138	590	971	3	1,825	2,005	1,034
July	135	55	106	134	616	1,142	4	2,003	2,193	1,034
August	134	56	100	140	627	1,155	4	2,026	2,216	1,037
September	129	49	110	142	604	915	4	1,774	1,951	1,037
October	132	48	187	191	622	741	4	1,746	1,926	1,036
November	129	55	380	280	654	664	4	1,981	2,164	1,037
December	132	74	794	462	733	669	4	2,662	2,867	1,039
Total	1,590	697	4,345	3,105	7,722	9,984	42	25,198	27,486	1,037
2017										
January	£131	£74	832	481	731	648	£4	2,695	2,899	1,039
February	£120	£59	582	361	645	556	£3	2,147	2,326	1,038
March	£133	£65	582	373	691	724	£4	2,374	2,572	1,037
April	£129	£49	281	213	625	626	£4	1,749	1,927	1,036
May	£133	£48	200	179	625	709	£4	1,717	1,898	1,035
June	£131	£49	124	138	611	856	£4	1,733	1,913	1,035
July	£136	£54	107	134	623	1,084	£4	1,952	2,143	1,035
August	£136	£54	104	139	635	1,067	£4	1,949	£2,140	1,035
September	£134	£49	115	146	613	869	£4	£1,747	1,930	1,036
October	£140	£52	£204	200	653	784	£4	1,844	£2,036	1,035
November	£139	£60	467	324	691	669	£4	2,153	2,352	1,037
2017 11-Month YTD	£1,463	£612	3,598	2,689	7,143	8,592	£40	22,061	24,136	1,036
2016 11-Month YTD	1,458	624	3,551	2,643	6,989	9,315	38	22,536	24,618	1,036
2015 11-Month YTD	1,443	613	4,022	2,849	6,847	8,845	36	22,599	24,656	1,037

^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.

^d Revised data.

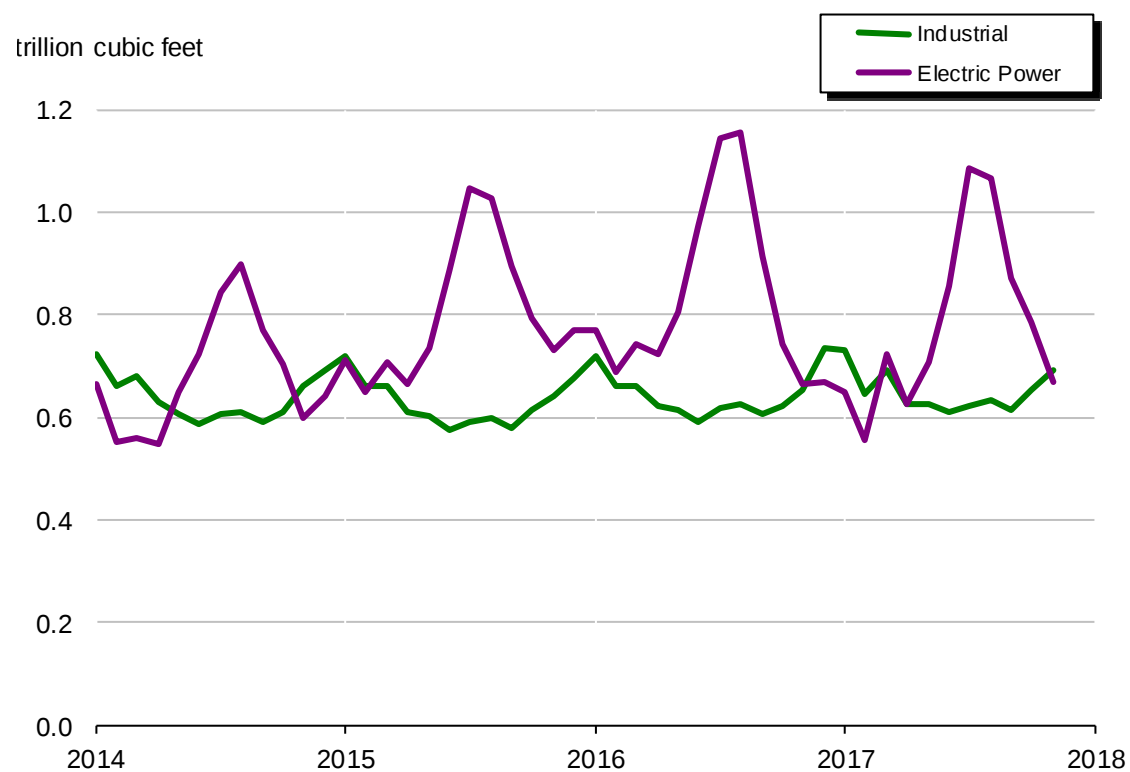
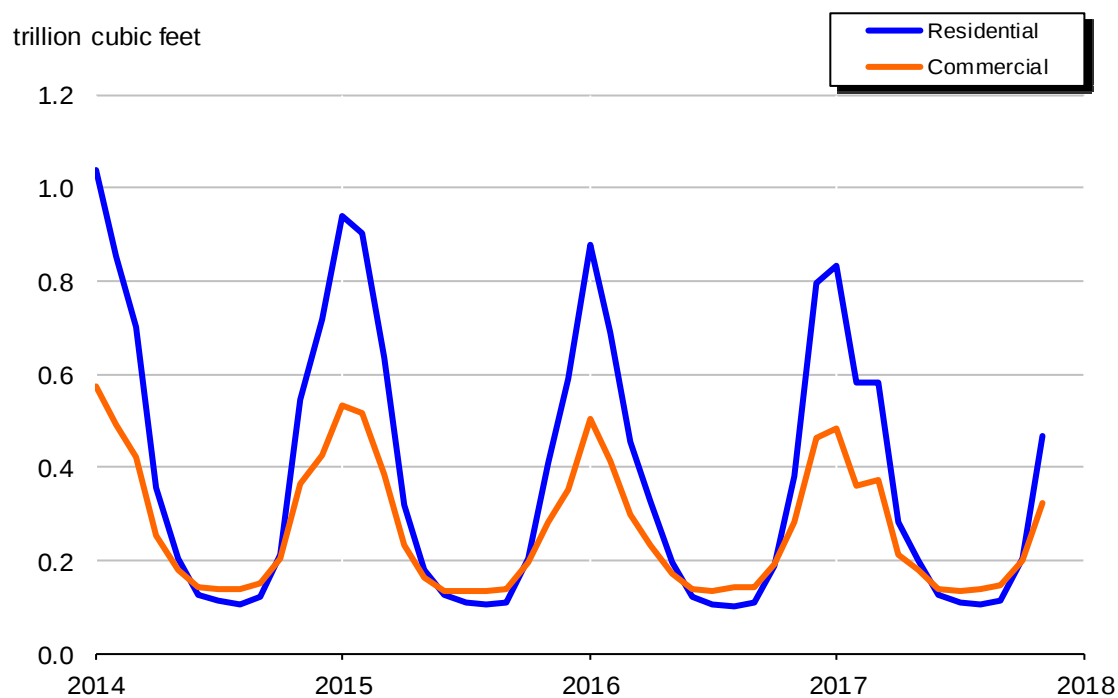
^e Estimated data.

Notes: Data for 2012 through 2015 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: 2012-2016: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; state and federal agencies; EIA estimates based on historical data; and *Natural Gas Annual 2016*. January 2017 through current month: Form EIA-914, "Monthly Natural Gas Production Report"; Form EIA-857; Form EIA-923, "Power Plant Operations Report." See Appendix A, Explanatory Note 6, for computation procedures and revision policy.

Figure 2

Figure 2. Natural gas deliveries to consumers in the United States, 2014-2017



Sources: 2014-2016: 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 2016. January 2017 through current month: Form EIA-857 and Form EIA-923.

Table 3. Selected national average natural gas prices, 2012-2017

(dollars per thousand cubic feet, except where noted)

Year and Month	NGPL Composite Spot Price ^a	Natural Gas Spot Price ^b	Citygate Price	Delivered to Consumers						Electric Power Price ^d
				Residential		Commercial		Industrial		
				Price	% of Total ^c	Price	% of Total ^c	Price	% of Total ^c	
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 Annual Average	9.56	4.37	5.71	10.97	95.5	8.90	65.8	5.62	15.9	5.19
2015										
January	5.08	2.99	4.48	9.50	95.7	8.15	70.8	4.90	14.8	4.31
February	5.70	2.87	4.57	9.08	95.6	7.81	71.0	4.74	15.2	5.02
March	5.52	2.83	4.35	9.28	95.4	7.85	69.9	4.46	15.4	3.71
April	5.58	2.61	3.93	10.43	95.4	8.03	64.8	3.96	14.6	3.24
May	5.25	2.85	4.25	12.73	95.4	8.13	61.2	3.58	15.1	3.28
June	4.78	2.78	4.44	15.07	95.5	8.52	57.9	3.76	14.6	3.25
July	4.73	2.84	4.65	16.28	95.7	8.49	56.9	3.74	14.6	3.23
August	4.42	2.77	4.59	16.88	95.4	8.46	55.6	3.79	14.3	3.23
September	4.89	2.66	4.56	16.40	95.8	8.43	55.8	3.65	14.5	3.20
October	4.95	2.34	4.00	12.60	95.5	7.79	59.5	3.54	14.7	3.04
November	4.72	2.09	3.69	10.02	96.0	7.39	63.8	3.28	14.8	2.78
December	4.23	1.93	3.75	9.27	96.0	7.23	67.6	3.48	14.9	2.72
Annual Average	4.97	2.62	4.26	10.38	95.6	7.91	65.7	3.93	14.8	3.38
2016										
January	3.69	2.28	3.39	8.28	96.0	6.75	70.4	3.62	15.2	3.17
February	3.89	1.99	3.48	8.36	95.8	6.86	69.4	3.64	15.3	2.83
March	4.48	1.73	3.49	9.19	95.6	7.08	66.7	3.05	15.3	2.33
April	4.65	1.92	3.22	9.65	95.6	6.98	65.0	3.01	14.5	2.52
May	5.11	1.92	3.44	11.62	95.4	7.32	60.2	2.90	14.6	2.49
June	5.25	2.59	3.84	14.43	95.7	7.72	58.0	2.89	14.6	2.77
July	4.92	2.82	4.42	16.55	95.9	8.14	56.9	3.58	14.2	3.07
August	4.94	2.82	4.33	17.60	95.8	8.30	54.7	3.59	14.6	3.07
September	5.25	2.99	4.60	16.78	96.0	8.27	56.2	3.74	14.6	3.19
October	6.05	2.98	4.19	13.74	95.9	7.96	59.9	3.88	14.4	3.24
November	5.45	2.55	3.90	10.77	96.0	7.67	63.5	3.87	14.5	3.14
December	6.66	3.59	3.96	9.06	96.0	7.27	68.2	4.32	14.7	4.16
Annual Average	5.04	2.52	3.71	10.05	95.8	7.28	64.8	3.52	14.7	2.99
2017										
January	6.78	3.30	4.21	9.38	96.0	7.59	70.5	4.90	15.0	4.33
February	7.24	2.85	4.13	10.07	95.9	7.90	69.1	4.59	15.0	3.74
March	5.91	2.88	R3.84	9.90	95.7	7.68	67.8	3.98	15.0	3.52
April	6.25	3.10	R4.19	11.38	95.3	8.08	65.0	4.17	14.5	3.50
May	6.14	3.15	R4.41	13.32	95.6	8.30	61.0	4.08	13.8	3.61
June	5.73	2.97	R4.81	16.13	94.5	8.76	58.0	4.10	14.4	3.41
July	6.27	2.98	R4.69	17.96	95.8	R8.84	R57.1	3.96	14.5	3.32
August	7.01	2.90	R4.60	18.32	95.7	R8.75	R55.6	3.83	14.2	3.27
September	7.80	2.98	R4.56	17.01	96.1	R8.48	R56.2	3.89	13.6	3.31
October	7.84	2.88	R4.06	13.50	96.5	7.96	61.6	3.82	14.3	3.27
November	8.03	3.01	3.98	10.26	96.0	7.54	65.9	3.92	14.6	3.52
2017 11-Month YTD	6.83	3.00	4.19	11.31	95.8	7.97	64.8	4.13	14.5	3.49
2016 11-Month YTD	4.90	2.42	3.66	10.24	95.8	7.28	64.3	3.44	14.7	2.91
2015 11-Month YTD	5.05	2.69	4.33	10.53	95.6	8.00	65.5	3.98	14.8	3.44

^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 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.

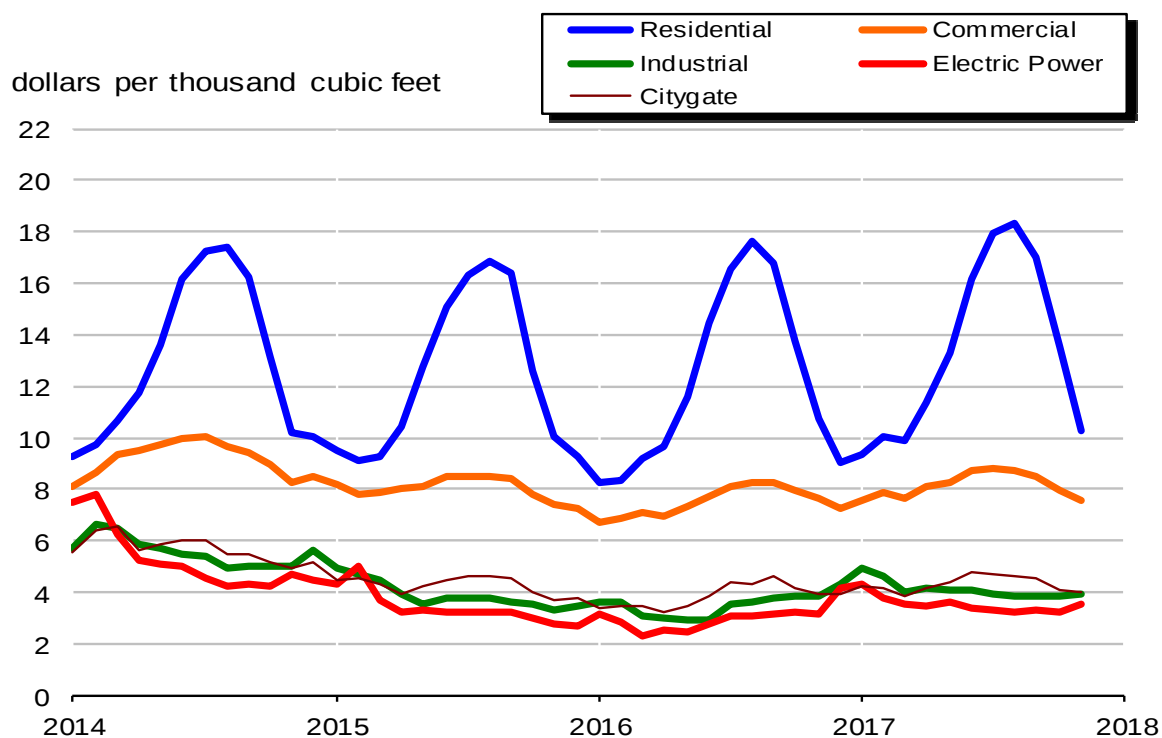
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 2012 through 2014 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Published residential, commercial, and industrial prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges.

Sources: 2012-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*. January 2017 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.

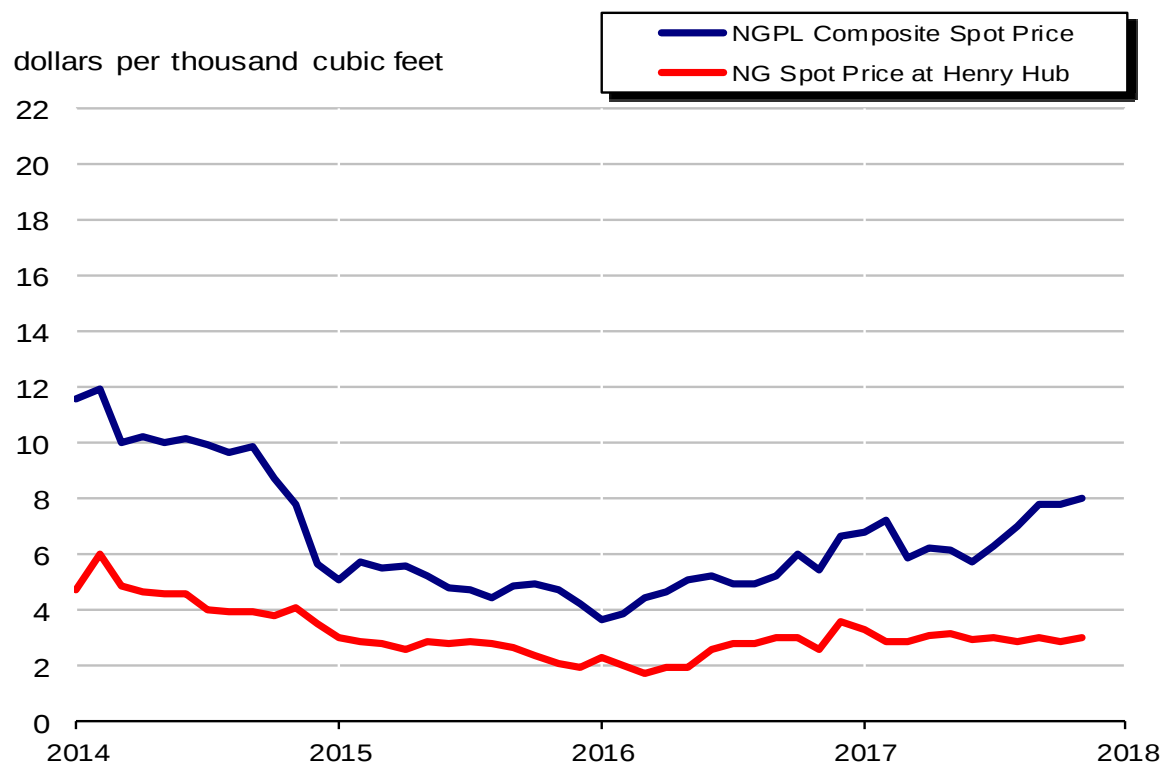
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2014-2017



Note: Prices are in nominal dollars.

Sources: 2014-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*. January 2017 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, 2014-2017



Note: Prices are in nominal dollars.

Sources: 2014-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*. January 2017 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, 2015-2017

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

	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD	November	October	September	August	2017 July
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	2,695,068	2,645,011	2,403,809	235,988	R241,425	R226,738	239,935	245,212
Mexico	842	853	869	76	81	68	63	80
Total Pipeline Imports	2,695,910	2,645,864	2,404,678	236,064	R241,506	R226,806	239,997	245,292
LNG								
By Truck								
Canada	1,561	908	378	165	120	183	226	215
By Vessel								
Nigeria	2,753	0	0	0	0	0	0	0
Norway	0	3,253	9,089	0	0	0	0	0
Trinidad/Tobago	62,985	75,352	68,985	6,213	2,337	2,618	7,636	4,974
Yemen	0	0	7,441	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	67,299	79,513	85,893	6,378	2,457	2,801	7,862	5,189
CNG								
Canada	314	271	265	30	22	25	28	27
Total CNG Imports	314	271	265	30	22	25	28	27
Total Imports	2,763,523	2,725,648	2,490,836	242,472	R243,985	R229,633	247,888	250,508
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.51	2.06	2.90	2.40	R1.98	2.05	2.24	2.31
Mexico	2.64	1.79	1.75	2.44	2.43	2.64	2.31	2.62
Total Pipeline Imports	2.51	2.06	2.90	2.40	R1.98	2.05	2.24	2.31
LNG								
By Truck								
Canada	8.63	8.08	8.78	8.12	8.33	8.66	8.69	8.78
By Vessel								
Nigeria	5.82	--	--	--	--	--	--	--
Norway	--	3.12	10.69	--	--	--	--	--
Trinidad/Tobago	4.25	4.00	7.01	3.47	4.20	3.75	3.19	3.21
Yemen	--	--	9.10	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	4.42	4.01	7.59	3.59	4.40	4.07	3.34	3.44
CNG								
Canada	2.81	1.84	4.22	1.17	1.06	0.82	0.97	1.19
Total CNG Imports	2.81	1.84	4.22	1.17	1.06	0.82	0.97	1.19
Total Imports	2.66	2.24	3.33	2.53	R2.05	2.12	2.38	2.40
Net Imports - Volume	-104,960	641,036	869,078	-45,852	R-37,374	R-20,647	889	2,080

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

	2017						2016	
	June	May	April	March	February	January	Total	December
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	234,061	238,527	232,998	275,573	R246,020	278,590	2,916,856	271,845
Mexico	78	78	79	83	74	83	917	64
Total Pipeline Imports	234,140	238,604	233,077	275,656	R246,094	278,673	2,917,774	271,910
LNG								
By Truck								
Canada	212	220	186	8	8	18	924	16
By Vessel								
Nigeria	0	0	0	0	0	2,753	0	0
Norway	0	0	0	0	0	0	3,253	0
Trinidad/Tobago	5,425	5,275	4,985	4,870	8,468	10,183	84,190	8,838
Yemen	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	5,637	5,494	5,171	4,878	8,477	12,955	88,367	8,854
CNG								
Canada	29	28	31	34	26	35	299	27
Total CNG Imports	29	28	31	34	26	35	299	27
Total Imports	239,805	244,126	238,279	280,567	R254,597	291,663	3,006,439	280,791
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.51	2.59	2.53	2.57	2.81	3.41	2.18	3.31
Mexico	2.77	2.62	2.64	2.27	2.94	3.29	1.85	2.56
Total Pipeline Imports	2.51	2.59	2.53	2.57	2.81	3.41	2.18	3.31
LNG								
By Truck								
Canada	8.91	8.88	8.49	7.05	7.22	9.12	8.07	7.51
By Vessel								
Nigeria	--	--	--	--	--	5.82	--	--
Norway	--	--	--	--	--	--	3.12	--
Trinidad/Tobago	3.37	3.65	3.56	4.34	6.39	5.48	4.06	4.62
Yemen	--	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	3.58	3.86	3.74	4.35	6.39	5.56	4.07	4.63
CNG								
Canada	1.64	1.86	1.76	1.91	6.07	10.64	1.97	3.24
Total CNG Imports	1.64	1.86	1.76	1.91	6.07	10.64	1.97	3.24
Total Imports	2.62	2.70	2.64	2.68	3.14	3.75	2.24	3.50
Net Imports - Volume	-13,517	-9,737	-8,973	8,724	R-349	19,795	670,991	29,955

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

								2016
	November	October	September	August	July	June	May	April
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	221,866	225,588	235,512	253,793	259,132	234,145	243,017	236,451
Mexico	83	83	82	90	92	83	72	71
Total Pipeline Imports	221,949	225,671	235,594	253,883	259,224	234,229	243,088	236,522
LNG								
By Truck								
Canada	41	58	72	84	70	118	113	74
By Vessel								
Nigeria	0	0	0	0	0	0	0	0
Norway	3,253	0	0	0	0	0	0	0
Trinidad/Tobago	5,779	5,696	2,810	7,998	5,703	7,520	5,087	4,693
Yemen	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	9,073	5,753	2,882	8,082	5,773	7,638	5,200	4,767
CNG								
Canada	22	25	15	17	25	19	29	28
Total CNG Imports	22	25	15	17	25	19	29	28
Total Imports	231,044	231,449	238,491	261,983	265,022	241,885	248,317	241,317
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.41	2.50	2.42	2.29	2.26	1.76	1.44	1.51
Mexico	2.34	2.50	2.43	2.27	2.45	1.41	1.10	1.03
Total Pipeline Imports	2.41	2.50	2.42	2.29	2.26	1.76	1.44	1.51
LNG								
By Truck								
Canada	7.92	7.93	8.04	8.11	7.95	7.80	7.72	7.88
By Vessel								
Nigeria	--	--	--	--	--	--	--	--
Norway	3.12	--	--	--	--	--	--	--
Trinidad/Tobago	5.96	3.05	3.13	3.17	3.15	3.11	3.36	3.23
Yemen	--	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	4.95	3.10	3.25	3.23	3.21	3.18	3.45	3.30
CNG								
Canada	0.97	0.72	1.22	1.20	1.62	0.63	1.10	1.05
Total CNG Imports	0.97	0.72	1.22	1.20	1.62	0.63	1.10	1.05
Total Imports	2.70	2.59	2.47	2.42	2.35	1.90	1.55	1.61
Net Imports - Volume	3,125	54,983	36,505	47,757	76,339	58,872	60,043	63,464

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

	2016				2015			
	March	February	January	Total	December	November	October	September
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	232,095	241,948	261,462	2,625,359	221,550	210,632	217,493	203,066
Mexico	69	70	59	933	64	72	83	83
Total Pipeline Imports	232,164	242,019	261,521	2,626,291	221,613	210,704	217,576	203,150
LNG								
By Truck								
Canada	65	116	97	437	59	45	43	45
By Vessel								
Nigeria	0	0	0	0	0	0	0	0
Norway	0	0	0	12,194	3,105	3,097	5,992	0
Trinidad/Tobago	8,503	9,612	11,951	71,439	2,453	4,373	2,653	5,609
Yemen	0	0	0	7,441	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	8,568	9,728	12,048	91,511	5,618	7,515	8,689	5,654
CNG								
Canada	33	29	30	291	26	23	21	15
Total CNG Imports	33	29	30	291	26	23	21	15
Total Imports	240,764	251,775	273,600	2,718,094	227,257	218,242	226,286	208,818
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.55	2.12	2.42	2.84	2.13	2.19	2.37	2.49
Mexico	0.82	1.22	1.50	1.71	1.22	1.08	1.55	1.65
Total Pipeline Imports	1.55	2.12	2.42	2.84	2.13	2.19	2.37	2.49
LNG								
By Truck								
Canada	8.74	8.58	8.21	8.69	8.12	8.21	8.40	8.36
By Vessel								
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	8.56	2.31	2.13	15.12	--
Trinidad/Tobago	3.25	5.08	5.45	6.98	6.08	5.63	6.25	6.02
Yemen	--	--	--	9.10	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	3.29	5.12	5.48	7.37	4.02	4.20	12.38	6.03
CNG								
Canada	1.54	3.27	5.41	4.18	3.78	3.02	1.99	1.14
Total CNG Imports	1.54	3.27	5.41	4.18	3.78	3.02	1.99	1.14
Total Imports	1.73	2.43	2.80	2.99	2.28	2.40	3.23	2.75
Net Imports - Volume	45,849	89,019	105,079	934,581	65,503	62,503	67,768	46,245

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2015-2017

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

	2015							
	August	July	June	May	April	March	February	January
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	202,567	209,698	203,583	202,545	202,133	242,508	241,917	267,666
Mexico	82	80	73	78	76	77	79	85
Total Pipeline Imports	202,649	209,779	203,656	202,623	202,209	242,585	241,996	267,751
LNG								
By Truck								
Canada	44	41	41	34	39	46	0	0
By Vessel								
Nigeria	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	11,161	7,133	2,557	1,673	2,844	11,770	9,830	9,382
Yemen	0	0	0	0	0	2,834	2,373	2,234
Other	0	0	0	0	0	0	0	0
Total LNG Imports	11,205	7,173	2,598	1,707	2,883	14,651	12,202	11,616
CNG								
Canada	21	21	19	19	28	38	32	30
Total CNG Imports	21	21	19	19	28	38	32	30
Total Imports	213,875	216,973	206,273	204,348	205,120	257,274	254,230	279,397
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.51	2.44	2.43	2.44	2.39	3.16	4.82	4.01
Mexico	1.84	1.83	1.88	1.58	1.64	1.93	1.93	2.24
Total Pipeline Imports	2.51	2.44	2.43	2.44	2.39	3.16	4.82	4.01
LNG								
By Truck								
Canada	8.76	8.43	9.03	8.95	9.50	9.51	--	--
By Vessel								
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	3.43	4.51	6.24	5.98	8.29	8.26	9.06	10.90
Yemen	--	--	--	--	--	7.42	9.41	10.88
Other	--	--	--	--	--	--	--	--
Total LNG Imports	3.45	4.53	6.29	6.04	8.31	8.10	9.13	10.90
CNG								
Canada	0.52	0.45	0.79	0.88	2.02	8.55	9.12	8.91
Total CNG Imports	0.52	0.45	0.79	0.88	2.02	8.55	9.12	8.91
Total Imports	2.74	2.66	2.56	2.52	2.59	3.90	5.46	4.75
Net Imports - Volume	68,991	73,153	68,093	70,074	74,792	93,307	109,275	134,875

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

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

^c Revised data.

-- 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. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

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

Table 5. U.S. natural gas exports, 2015-2017

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

	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD	November	October	September	August	2017 July
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	836,037	673,915	642,044	74,427	\$68,382	\$69,823	66,342	59,760
Mexico	1,407,270	1,265,490	954,319	133,777	\$132,778	\$125,724	135,108	135,068
Total Pipeline Exports	2,243,307	1,939,406	1,596,363	208,204	\$201,160	\$195,548	201,450	194,828
LNG								
Exports								
By Vessel								
Argentina	16,276	16,661	0	0	0	0	0	0
Barbados	181	77	0	20	17	14	16	10
Brazil	17,648	9,196	0	0	6,967	3,364	0	3,642
Chile	22,383	29,405	0	0	3,675	0	0	3,256
China	79,977	10,473	0	20,871	24,588	10,056	0	7,218
Dominican Republic	8,691	2,945	0	2,835	0	2,922	0	0
Egypt	6,781	0	0	0	0	0	3,317	3,464
India	17,492	16,915	0	7,057	0	0	0	0
Italy	6,493	3,328	0	0	0	0	3,372	0
Japan	39,405	0	8,262	0	6,725	0	3,694	0
Jordan	29,186	9,870	0	0	3,373	0	7,393	0
Kuwait	20,213	7,068	0	0	0	0	0	3,410
Lithuania	6,844	0	0	0	0	3,414	3,431	0
Malta	867	0	0	0	0	0	0	0
Mexico	136,686	20,301	0	10,760	\$6,686	10,286	6,860	14,432
Netherlands	3,042	0	0	0	0	0	0	0
Pakistan	3,166	0	0	0	0	0	0	0
Poland	3,440	0	0	0	0	0	0	0
Portugal	19,523	3,700	0	3,702	0	0	3,399	3,662
South Korea	109,376	0	0	21,141	21,577	17,514	10,320	14,238
Spain	25,959	2,930	0	3,617	2,980	3,666	3,712	217
Taiwan	9,004	0	8,257	2,934	3,121	0	0	0
Thailand	3,113	0	0	0	0	0	0	0
Turkey	21,442	5,827	0	7,076	0	3,443	0	0
United Arab Emirates	13,408	3,391	0	0	0	0	0	0
United Kingdom	3,410	0	0	0	0	0	0	0
By Truck								
Canada	5	2	41	2	0	0	0	0
Mexico	586	333	168	86	65	53	33	44
Re-Exports								
By Vessel								
Argentina	0	612	0	0	0	0	0	0
Brazil	0	1,433	5,533	0	0	0	0	0
Egypt	0	0	2,947	0	0	0	0	0
India	0	547	0	0	0	0	0	0
Mexico	422	0	0	0	422	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	625,018	145,016	25,208	80,100	80,195	54,733	45,548	53,592
CNG								
Canada	158	191	187	20	4	0	1	8
Total CNG Exports	158	191	187	20	4	0	1	8
Total Exports	2,868,483	2,084,612	1,621,758	288,324	\$281,359	\$250,280	246,999	248,428

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2017						2016	
	June	May	April	March	February	January	Total	December
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	66,725	63,949	80,532	99,489	87,798	98,811	771,094	97,178
Mexico	134,118	129,110	116,027	128,774	115,089	121,696	1,377,305	111,815
Total Pipeline Exports	200,844	193,058	196,559	228,263	202,887	220,508	2,148,399	208,993
LNG								
Exports								
By Vessel								
Argentina	2,949	3,192	10,135	0	0	0	16,661	0
Barbados	16	15	15	20	15	22	100	22
Brazil	0	3,676	0	0	0	0	9,196	0
Chile	3,657	0	5,894	2,951	2,950	0	29,405	0
China	0	3,514	0	0	10,338	3,391	17,221	6,747
Dominican Republic	0	0	0	2,934	0	0	2,945	0
Egypt	0	0	0	0	0	0	3,606	3,606
India	3,413	0	0	0	3,399	3,623	16,915	0
Italy	3,120	0	0	0	0	0	3,328	0
Japan	3,683	3,667	7,398	0	3,705	10,533	11,137	11,137
Jordan	0	3,453	0	6,655	2,945	5,368	9,870	0
Kuwait	0	3,281	6,784	3,360	3,378	0	7,068	0
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	867	0	0
Mexico	24,763	10,023	13,730	10,728	14,407	14,010	27,470	7,169
Netherlands	0	3,042	0	0	0	0	0	0
Pakistan	0	0	0	3,166	0	0	0	0
Poland	0	3,440	0	0	0	0	0	0
Portugal	0	3,625	0	0	1,692	3,442	3,700	0
South Korea	7,431	6,818	3,295	7,042	0	0	10,166	10,166
Spain	0	0	0	0	1,766	10,002	2,930	0
Taiwan	0	2,949	0	0	0	0	0	0
Thailand	0	0	0	3,113	0	0	0	0
Turkey	0	0	0	3,521	7,402	0	8,762	2,936
United Arab Emirates	0	10,062	3,347	0	0	0	3,391	0
United Kingdom	3,410	0	0	0	0	0	0	0
By Truck								
Canada	0	0	0	3	0	0	2	0
Mexico	19	26	70	61	44	85	375	42
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	612	0
Brazil	0	0	0	0	0	0	1,433	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	547	0
Mexico	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	52,462	60,782	50,669	43,553	52,042	51,342	186,841	41,825
CNG								
Canada	16	23	24	27	18	19	208	18
Total CNG Exports	16	23	24	27	18	19	208	18
Total Exports	253,322	253,864	247,251	271,843	254,946	271,868	2,335,448	250,836

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016							
	November	October	September	August	July	June	May	April
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	74,544	43,471	61,499	55,012	49,750	50,715	62,768	62,931
Mexico	120,378	129,984	123,722	132,446	123,173	115,836	115,606	104,857
Total Pipeline Exports	194,922	173,455	185,222	187,458	172,923	166,551	178,375	167,789
LNG								
Exports								
By Vessel								
Argentina	0	0	0	2,190	0	8,161	0	6,310
Barbados	18	15	14	11	8	2	1	3
Brazil	0	0	0	3,933	0	0	0	0
Chile	2,940	0	0	9,518	6,074	4,643	6,230	0
China	7,341	0	0	0	3,132	0	0	0
Dominican Republic	0	0	0	2,945	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	3,115	0	3,639	3,701	0	3,617	0	0
Italy	3,328	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0	0
Jordan	0	2,942	3,362	0	3,566	0	0	0
Kuwait	0	0	3,458	0	0	0	3,610	0
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Mexico	13,300	0	3,315	3,686	0	0	0	0
Netherlands	0	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	3,700
South Korea	0	0	0	0	0	0	0	0
Spain	0	0	0	0	2,930	0	0	0
Taiwan	0	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0	0
Turkey	2,886	0	2,941	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	0	1	0	0	0	0	0	0
Mexico	48	42	35	30	28	22	33	23
Re-Exports								
By Vessel								
Argentina	0	0	0	612	0	0	0	0
Brazil	0	0	0	142	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	32,976	3,000	16,764	26,768	15,739	16,445	9,874	10,036
CNG								
Canada	22	11	0	0	20	18	25	28
Total CNG Exports	22	11	0	0	20	18	25	28
Total Exports	227,919	176,466	201,986	214,226	188,682	183,013	188,274	177,853

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016				2015			
	March	February	January	Total	December	November	October	September
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	81,403	62,192	69,629	700,647	58,603	61,260	57,430	59,695
Mexico	103,413	97,234	98,841	1,054,271	99,952	91,490	98,314	100,111
Total Pipeline Exports	184,816	159,426	168,470	1,754,918	158,555	152,750	155,744	159,806
LNG								
Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Barbados	2	2	0	0	0	0	0	0
Brazil	3,270	1,993	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	2,844	0	0	0	0	0	0	0
Italy	0	0	0	0	0	0	0	0
Japan	0	0	0	8,262	0	0	2,755	0
Jordan	0	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0	0
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	0
Taiwan	0	0	0	8,257	0	0	0	2,755
Thailand	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
United Arab Emirates	3,391	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	0	0	2	41	0	1	0	2
Mexico	24	24	25	195	27	21	14	11
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	0	1,290	0	5,533	0	0	0	0
Egypt	0	0	0	2,947	0	2,947	0	0
India	547	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Turkey	0	0	0	3,145	3,145	0	0	0
Total LNG Exports	10,078	3,309	26	28,381	3,172	2,969	2,769	2,767
CNG								
Canada	21	22	25	214	27	20	4	0
Total CNG Exports	21	22	25	214	27	20	4	0
Total Exports	194,915	162,757	168,521	1,783,512	161,754	155,739	158,517	162,573

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2015							
	August	July	June	May	April	March	February	January
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	40,986	39,995	44,658	44,672	53,086	89,639	77,594	73,028
Mexico	101,131	101,031	90,724	86,805	77,196	74,286	64,596	68,635
Total Pipeline Exports	142,117	141,027	135,382	131,477	130,283	163,925	142,190	141,663
LNG								
Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Italy	0	0	0	0	0	0	0	0
Japan	2,753	2,753	0	0	0	0	0	0
Jordan	0	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0	0
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0	0
Taiwan	0	0	2,754	2,748	0	0	0	0
Thailand	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	0	5	6	6	6	6	4	6
Mexico	10	13	14	15	18	17	16	21
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	2,728	2,805
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	2,763	2,771	2,774	2,769	24	23	2,748	2,832
CNG								
Canada	5	23	23	28	21	20	17	27
Total CNG Exports	5	23	23	28	21	20	17	27
Total Exports	144,885	143,820	138,179	134,274	130,328	163,967	144,955	144,522

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD	November	October	September	August	2017 July
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.11	2.43	3.23	2.99	2.78	2.88	2.84	2.90
Mexico	3.25	2.56	2.87	3.29	R3.28	3.29	3.27	3.22
Total Pipeline Exports	3.20	2.51	3.01	3.18	3.11	3.14	3.13	3.12
LNG								
Exports								
By Vessel								
Argentina	4.64	4.47	--	--	--	--	--	--
Barbados	10.40	10.15	--	10.40	10.40	10.40	10.40	10.40
Brazil	4.15	4.39	--	--	4.14	3.55	--	4.23
Chile	5.70	5.30	--	--	3.56	--	--	3.67
China	4.16	3.94	--	4.60	3.56	3.99	--	3.67
Dominican Republic	4.15	5.41	--	3.30	--	3.55	--	--
Egypt	4.93	--	--	--	--	--	3.55	6.26
India	4.45	4.92	--	4.41	--	--	--	--
Italy	3.95	6.32	--	--	--	--	3.55	--
Japan	6.23	--	7.50	--	3.56	--	6.14	--
Jordan	4.57	5.11	--	--	5.45	--	3.55	--
Kuwait	4.38	4.40	--	--	--	--	--	4.51
Lithuania	3.84	--	--	--	--	3.55	4.13	--
Malta	4.70	--	--	--	--	--	--	--
Mexico	4.96	4.71	--	4.85	R5.54	3.98	3.55	4.17
Netherlands	6.35	--	--	--	--	--	--	--
Pakistan	3.14	--	--	--	--	--	--	--
Poland	4.26	--	--	--	--	--	--	--
Portugal	5.65	3.58	--	3.29	--	--	4.38	6.26
South Korea	4.18	--	--	4.60	4.15	4.05	3.59	3.67
Spain	4.83	4.92	--	3.29	3.56	3.55	3.55	6.26
Taiwan	4.77	--	7.49	6.41	3.56	--	--	--
Thailand	3.14	--	--	--	--	--	--	--
Turkey	5.02	3.36	--	3.98	--	3.55	--	--
United Arab Emirates	3.87	4.18	--	--	--	--	--	--
United Kingdom	3.87	--	--	--	--	--	--	--
By Truck								
Canada	8.05	7.50	12.36	7.35	--	--	--	--
Mexico	8.85	9.77	10.36	7.94	8.43	8.67	8.94	8.79
Re-Exports								
By Vessel								
Argentina	--	4.51	--	--	--	--	--	--
Brazil	--	3.64	15.20	--	--	--	--	--
Egypt	--	--	16.71	--	--	--	--	--
India	--	3.99	--	--	--	--	--	--
Mexico	5.00	--	--	--	5.00	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	4.69	4.72	10.29	4.47	4.02	3.88	3.88	4.26
CNG								
Canada	4.61	3.17	5.77	1.38	1.00	--	2.50	2.72
Total CNG Exports	4.61	3.17	5.77	1.38	1.00	--	2.50	2.72
Total Exports	3.52	2.67	3.12	3.54	R3.37	3.30	3.27	3.37

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2017						2016	
	June	May	April	March	February	January	Total	December
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.02	3.16	3.19	3.01	3.22	3.85	2.60	3.82
Mexico	3.13	3.20	3.27	2.93	3.24	3.66	2.64	3.51
Total Pipeline Exports	3.10	3.19	3.24	2.97	3.23	3.74	2.63	3.65
LNG								
Exports								
By Vessel								
Argentina	3.87	4.77	4.82	--	--	--	4.47	--
Barbados	10.40	10.40	10.40	10.40	10.40	10.40	10.12	10.00
Brazil	--	4.63	--	--	--	--	4.39	--
Chile	6.46	--	6.65	6.26	7.18	--	5.30	--
China	--	4.62	--	--	4.92	4.70	4.16	4.50
Dominican Republic	--	--	--	5.59	--	--	5.41	--
Egypt	--	--	--	--	--	--	6.46	6.46
India	4.67	--	--	--	4.06	4.70	4.92	--
Italy	4.38	--	--	--	--	--	6.32	--
Japan	6.99	6.88	6.92	--	7.18	6.65	3.76	3.76
Jordan	--	3.76	--	4.42	4.06	6.41	5.11	--
Kuwait	--	4.77	4.19	3.14	5.50	--	4.40	--
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	4.70	--	--
Mexico	4.40	4.67	4.31	5.25	6.40	7.15	4.56	4.14
Netherlands	--	6.35	--	--	--	--	--	--
Pakistan	--	--	--	3.14	--	--	--	--
Poland	--	4.26	--	--	--	--	--	--
Portugal	--	6.35	--	--	7.18	7.29	3.58	--
South Korea	3.87	4.88	6.39	3.81	--	--	5.75	5.75
Spain	--	--	--	--	7.18	6.28	4.92	--
Taiwan	--	4.43	--	--	--	--	--	--
Thailand	--	--	--	3.14	--	--	--	--
Turkey	--	--	--	4.60	6.91	--	3.53	3.87
United Arab Emirates	--	3.89	3.80	--	--	--	4.18	--
United Kingdom	3.87	--	--	--	--	--	--	--
By Truck								
Canada	--	--	--	8.39	--	--	7.50	--
Mexico	9.04	8.90	8.95	8.64	9.97	9.66	9.81	10.20
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	4.51	--
Brazil	--	--	--	--	--	--	3.64	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	3.99	--
Mexico	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	4.61	4.80	5.16	4.47	5.99	6.44	4.71	4.68
CNG								
Canada	3.14	3.39	3.35	3.32	7.73	12.97	3.30	4.72
Total CNG Exports	3.14	3.39	3.35	3.32	7.73	12.97	3.30	4.72
Total Exports	3.41	3.57	3.63	3.21	3.79	4.25	2.79	3.82

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016							
	November	October	September	August	July	June	May	April
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.71	2.72	2.83	2.65	2.73	2.23	1.98	2.07
Mexico	2.75	3.16	3.06	2.92	2.80	2.46	2.06	2.03
Total Pipeline Exports	2.74	3.05	2.99	2.84	2.78	2.39	2.03	2.04
LNG								
Exports								
By Vessel								
Argentina	--	--	--	4.51	--	4.71	--	4.16
Barbados	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Brazil	--	--	--	5.29	--	--	--	--
Chile	5.64	--	--	5.53	5.82	4.69	4.72	--
China	3.21	--	--	--	5.66	--	--	--
Dominican Republic	--	--	--	5.41	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	5.74	--	5.00	5.01	--	4.77	--	--
Italy	6.32	--	--	--	--	--	--	--
Japan	--	--	--	--	--	--	--	--
Jordan	--	3.52	5.74	--	5.81	--	--	--
Kuwait	--	--	5.58	--	--	--	3.27	--
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--
Mexico	4.64	--	5.53	4.23	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	3.58
South Korea	--	--	--	--	--	--	--	--
Spain	--	--	--	--	4.92	--	--	--
Taiwan	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--	--
Turkey	3.30	--	3.41	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	--	7.70	--	--	--	--	--	--
Mexico	9.72	10.06	9.78	9.72	9.76	9.43	9.67	8.99
Re-Exports								
By Vessel								
Argentina	--	--	--	4.51	--	--	--	--
Brazil	--	--	--	4.57	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	4.58	3.65	5.11	5.13	5.63	4.72	4.21	3.96
CNG								
Canada	2.55	2.53	--	--	3.88	2.80	3.22	2.58
Total CNG Exports	2.55	2.53	--	--	3.88	2.80	3.22	2.58
Total Exports	3.00	3.06	3.16	3.13	3.02	2.60	2.15	2.15

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2015-2017

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

	2016				2015			
	March	February	January	Total	December	November	October	September
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	1.99	2.34	2.66	3.15	2.30	2.50	2.76	2.97
Mexico	1.88	2.20	2.45	2.81	2.30	2.26	2.61	2.77
Total Pipeline Exports	1.93	2.26	2.54	2.95	2.30	2.36	2.66	2.84
LNG								
Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Barbados	15.19	10.00	--	--	--	--	--	--
Brazil	3.83	3.54	--	--	--	--	--	--
Chile	--	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	3.98	--	--	--	--	--	--	--
Italy	--	--	--	--	--	--	--	--
Japan	--	--	--	7.50	--	--	6.51	--
Jordan	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--	--
Taiwan	--	--	--	7.49	--	--	--	7.16
Thailand	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
United Arab Emirates	4.18	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	--	--	7.41	12.36	--	6.81	--	10.18
Mexico	8.96	10.16	10.96	10.44	10.90	10.59	10.48	9.81
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	3.54	--	15.20	--	--	--	--
Egypt	--	--	--	16.71	--	16.71	--	--
India	3.98	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Turkey	--	--	--	15.99	15.99	--	--	--
Total LNG Exports	4.01	3.59	10.74	10.92	15.95	16.67	6.53	7.17
CNG								
Canada	3.05	2.42	5.09	5.73	5.46	4.80	3.42	--
Total CNG Exports	3.05	2.42	5.09	5.73	5.46	4.80	3.42	--
Total Exports	2.04	2.28	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, 2015-2017

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

	2015							
	August	July	June	May	April	March	February	January
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.97	2.84	2.85	2.85	2.91	3.71	4.39	3.63
Mexico	3.00	3.01	2.94	2.86	2.77	3.03	3.10	3.38
Total Pipeline Exports	2.99	2.96	2.91	2.85	2.83	3.40	3.81	3.51
LNG								
Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Barbados	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
Chile	--	--	--	--	--	--	--	--
China	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Italy	--	--	--	--	--	--	--	--
Japan	7.90	8.08	--	--	--	--	--	--
Jordan	--	--	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--	--	--
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--	--
Taiwan	--	--	7.80	7.50	--	--	--	--
Thailand	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	--	13.39	12.01	12.14	11.88	12.77	12.77	13.27
Mexico	9.94	9.96	10.01	9.96	10.03	10.52	10.62	11.27
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	12.89	17.44
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	7.91	8.10	7.82	7.53	10.53	11.10	12.87	17.39
CNG								
Canada	2.08	2.91	2.44	2.37	3.35	10.08	10.53	11.89
Total CNG Exports	2.08	2.91	2.44	2.37	3.35	10.08	10.53	11.89
Total Exports	3.09	3.06	3.01	2.95	2.83	3.41	3.98	3.78

^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. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

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, 2012-2017
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 Total	3,168,545	1,122,733	238,988	1,643,487	286,480	1,968,618	59,160	1,266,379	463,216	512,371
2015										
January	291,928	90,125	21,912	140,869	27,172	153,547	5,016	103,336	45,741	67,682
February	254,488	78,244	20,022	129,576	24,407	141,691	4,577	97,979	41,448	61,132
March	299,987	88,895	21,299	143,078	26,629	157,397	5,016	110,018	47,329	67,682
April	284,701	87,268	20,597	138,665	23,219	153,429	4,865	107,823	46,025	77,407
May	261,374	89,391	21,197	141,803	23,808	157,008	5,022	112,030	50,375	79,988
June	223,007	84,124	19,568	138,658	22,962	145,892	4,819	107,761	49,649	77,407
July	221,334	85,281	19,225	141,637	23,434	152,212	5,037	109,801	51,399	87,799
August	204,070	83,696	19,466	145,033	23,490	151,668	4,883	113,047	50,978	87,799
September	261,160	81,253	18,394	138,475	22,510	150,117	4,711	110,716	48,122	84,966
October	279,437	82,974	18,535	146,290	23,066	151,997	4,914	113,223	51,373	106,279
November	289,760	78,977	18,003	141,028	21,731	146,069	4,677	108,782	50,340	102,851
December	304,055	80,153	18,431	143,621	21,757	152,205	4,703	102,277	51,854	106,279
Total	3,175,301	1,010,382	236,648	1,688,733	284,184	1,813,232	58,240	1,296,793	584,632	1,007,270
2016										
January	298,815	77,597	18,222	144,385	21,484	152,596	4,617	102,077	50,910	116,601
February	273,298	71,660	16,831	133,673	19,989	144,080	4,316	98,322	49,055	109,078
March	295,235	74,250	17,699	142,802	21,377	148,825	4,585	109,592	53,093	116,601
April	246,130	70,509	16,358	139,137	20,320	150,626	4,413	106,067	48,918	114,453
May	269,206	71,560	18,102	144,657	20,886	147,873	4,506	108,846	51,007	118,268
June	233,815	67,078	16,791	136,813	19,740	139,677	4,267	105,571	49,984	114,453
July	239,442	68,014	17,456	142,734	20,517	153,351	4,374	109,518	52,667	126,044
August	250,330	66,946	17,328	146,011	20,312	142,598	4,124	111,555	50,848	126,044
September	249,275	63,995	16,728	140,186	20,802	142,785	4,161	108,091	48,398	121,978
October	271,920	65,706	16,891	145,883	19,826	146,371	4,335	110,002	53,311	126,825
November	293,978	62,827	16,194	141,394	18,435	137,719	4,258	107,031	52,872	122,734
December	308,524	63,081	16,424	144,060	19,769	145,766	4,170	108,026	47,768	126,825
Total	3,229,968	823,223	205,024	1,701,735	243,459	1,752,269	52,125	1,284,698	608,832	1,439,905
2017										
January	301,506	£62,084	£17,262	£143,020	£19,255	£152,924	£4,050	£105,047	£48,508	£132,523
February	275,044	£56,403	£15,322	£130,148	£17,565	£144,401	£3,718	£97,492	£47,993	£122,279
March	308,109	£61,907	£16,909	£142,549	£19,215	£165,872	£4,050	£109,033	£54,226	£131,234
April	286,950	£59,935	£16,607	£136,337	£18,233	£157,147	£3,963	£107,907	£55,399	£130,878
May	286,688	£61,145	£17,293	£138,439	£18,516	£164,615	£4,128	£112,597	£57,699	£134,785
June	248,820	£58,505	£16,855	£134,382	£18,353	£170,555	£3,983	£108,686	£55,694	£139,251
July	205,716	£58,908	£17,599	£140,105	£18,873	£180,478	£4,128	£112,374	£58,527	£156,236
August	221,588	£58,542	£17,224	£143,311	£18,574	£183,416	£4,146	£111,912	£59,936	£160,228
September	255,360	RE55,950	RE16,594	RE140,164	RE18,070	RE189,126	RE3,888	RE112,684	RE57,902	RE160,759
October	283,185	RE57,336	RE17,026	RE145,750	RE18,264	RE200,265	RE4,014	RE118,961	RE63,633	RE169,374
November	283,110	£54,554	£16,462	£141,971	£17,602	£204,636	£3,849	£115,616	£62,799	£167,066
2017 11-Month	2,956,076	£645,268	£185,153	£1,536,176	£202,520	£1,913,436	£43,918	£1,212,311	£622,314	£1,604,613
2016 11-Month	2,921,444	760,142	188,600	1,557,675	223,690	1,606,503	47,955	1,176,672	561,064	1,313,079
2015 11-Month	2,871,246	930,229	218,217	1,545,112	262,427	1,661,027	53,537	1,194,515	532,778	900,991

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017
(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 Total	2,331,086	4,257,693	8,659,188	454,545	1,067,114	1,998,505	631,536	1,275,738	31,405,381
2015									
January	206,817	408,019	741,599	37,062	110,271	178,061	53,214	107,681	2,790,052
February	186,741	370,836	681,889	33,962	99,105	151,128	47,912	95,373	2,520,509
March	216,067	413,155	758,560	39,205	113,858	170,497	51,938	96,915	2,827,524
April	209,983	392,752	737,351	37,609	111,323	167,277	50,048	108,387	2,758,730
May	214,639	391,332	754,727	38,022	118,474	167,304	51,583	112,773	2,790,849
June	211,079	376,856	728,514	36,200	111,890	164,163	50,864	106,744	2,660,158
July	217,883	401,777	754,259	36,152	111,602	167,442	51,863	118,085	2,756,222
August	213,529	409,771	749,458	32,688	114,734	168,011	51,915	120,511	2,744,748
September	204,298	398,110	725,565	30,658	111,675	163,194	50,133	117,390	2,721,449
October	209,342	407,234	739,568	31,148	108,349	168,674	51,591	112,082	2,806,078
November	201,517	409,344	709,572	30,470	97,462	163,878	49,369	102,391	2,726,220
December	207,703	433,795	718,403	33,843	106,504	166,291	50,926	109,310	2,812,110
Total	2,499,599	4,812,983	8,799,465	417,020	1,315,248	1,995,920	611,356	1,307,641	32,914,647
2016									
January	214,000	450,922	708,909	33,693	114,272	163,252	49,962	106,112	2,828,428
February	201,258	433,902	665,272	30,758	108,093	150,993	47,296	98,278	2,656,151
March	214,561	452,300	709,251	32,962	112,282	163,979	50,258	108,373	2,828,024
April	203,524	434,079	681,995	31,448	110,827	155,671	47,212	98,924	2,680,613
May	211,836	461,572	701,425	31,673	114,948	153,542	48,932	107,842	2,786,681
June	202,081	439,006	679,161	29,665	104,295	152,482	46,178	95,084	2,636,140
July	210,617	447,965	695,856	30,310	119,222	143,848	47,887	100,667	2,730,488
August	211,218	441,382	691,089	30,265	119,208	145,507	47,558	103,426	2,725,751
September	202,202	422,298	652,653	28,814	114,934	151,793	46,095	94,916	2,630,104
October	206,225	425,641	668,817	29,150	118,134	160,068	47,174	101,986	2,718,264
November	195,366	439,688	638,439	27,742	116,078	152,693	45,985	99,189	2,672,624
December	195,424	464,502	640,971	28,185	122,817	154,317	46,387	105,226	2,742,243
Total	2,468,312	5,313,258	8,133,837	364,665	1,375,108	1,848,145	570,925	1,220,022	32,635,511
2017									
January	£193,927	£461,677	£642,478	£27,708	£123,989	£141,236	£46,615	£103,146	£2,726,954
February	£179,163	£419,527	£593,768	£25,035	£112,378	£130,019	£41,766	£91,716	£2,503,737
March	£207,995	£459,647	£648,931	£27,670	£126,645	£144,709	£45,844	£103,134	£2,777,679
April	£203,362	£447,620	£632,883	£26,517	£121,705	£141,143	£43,986	£91,107	£2,681,680
May	£207,889	£457,732	£665,833	£27,345	£131,952	£141,295	£45,363	£96,442	£2,769,754
June	£203,690	£443,171	£650,017	£26,136	£130,111	£141,289	£43,193	£88,914	£2,681,604
July	£213,003	£457,136	£682,119	£26,211	£136,091	£144,476	£42,314	£95,806	£2,750,099
August	£218,247	£450,264	£667,869	£26,190	£143,578	£145,435	£43,772	£89,912	£2,764,143
September	RE211,644	RE444,256	RE656,486	RE25,228	RE139,445	RE142,018	RE41,582	RE86,260	RE2,757,416
October	RE225,807	RE449,371	RE694,840	RE25,778	RE144,282	RE147,497	RE42,253	RE78,477	RE2,886,113
November	£219,464	£469,615	£681,102	£24,692	£144,091	£146,875	£41,035	£78,877	£2,873,415
2017 11-Month YTD	£2,284,190	£4,960,015	£7,216,326	£288,511	£1,454,264	£1,565,991	£477,722	£1,003,790	£30,172,595
2016 11-Month YTD	2,272,888	4,848,756	7,492,866	336,480	1,252,291	1,693,828	524,537	1,114,796	29,893,268
2015 11-Month YTD	2,291,896	4,379,188	8,081,062	383,176	1,208,744	1,829,629	560,430	1,198,332	30,102,537

^E Estimated data.

^{RE} Revised estimated data.

Notes: Data for Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and Federal Offshore Gulf of Mexico are individually collected on the EIA-914 survey. The "Other States" category comprises states/areas not individually collected on the EIA-914 survey (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). Before 2017, Federal Offshore Pacific is included in California. All data for Alaska are obtained directly from the state. 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: 2012-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*, Bureau of Safety and Environmental Enforcement (BSEE), PointLogic Energy, Ventyx, and BENTEK Energy. January 2017 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; and EIA computations.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 Total	345,310	1,122,733	238,988	1,643,487	286,480	1,960,813	59,160	1,229,519	326,491	512,371
2015										
January	31,439	90,125	21,912	140,869	27,172	152,965	4,306	99,852	34,895	67,682
February	27,510	78,244	20,022	129,576	24,407	141,110	3,881	94,651	32,920	61,132
March	30,523	88,895	21,299	143,078	26,629	156,690	4,298	105,693	37,316	67,682
April	29,759	87,268	20,597	138,665	23,219	152,756	4,207	103,212	37,409	77,407
May	29,124	89,391	21,197	141,803	23,808	156,312	4,368	107,073	40,719	79,988
June	26,000	84,124	19,568	138,658	22,962	145,136	4,274	102,930	40,005	77,407
July	26,682	85,281	19,225	141,637	23,434	151,526	4,523	104,436	40,606	87,799
August	25,176	83,696	19,466	145,033	23,490	151,056	4,361	107,681	39,897	87,799
September	27,600	81,253	18,394	138,475	22,510	149,515	4,206	106,667	38,652	84,966
October	29,182	82,974	18,535	146,290	23,066	151,322	4,468	109,328	43,497	106,279
November	29,690	78,977	18,003	141,028	21,731	145,424	4,169	104,847	41,867	102,851
December	30,941	80,153	18,431	143,621	21,757	151,385	4,294	98,775	43,579	106,279
Total	343,625	1,010,382	236,648	1,688,733	284,184	1,805,197	51,356	1,245,145	471,360	1,007,270
2016										
January	30,686	77,597	18,222	144,385	21,484	151,821	4,208	98,350	43,619	116,601
February	28,434	71,660	16,831	133,673	19,989	143,518	3,917	94,865	42,962	109,078
March	29,898	74,250	17,699	142,802	21,377	148,098	4,213	106,173	47,263	116,601
April	26,258	70,509	16,358	139,137	20,320	149,851	4,081	102,922	44,024	114,453
May	27,088	71,560	18,102	144,657	20,886	147,088	4,084	105,618	44,691	118,268
June	24,882	67,078	16,791	136,813	19,740	138,875	3,986	102,475	44,296	114,453
July	25,025	68,014	17,456	142,734	20,517	152,589	4,045	106,650	46,329	126,044
August	24,918	66,946	17,328	146,011	20,312	141,844	3,617	109,026	44,343	126,044
September	24,970	63,995	16,728	140,186	20,802	142,042	3,769	105,907	42,229	121,978
October	28,546	65,706	16,891	145,883	19,826	145,631	3,991	109,076	44,893	126,825
November	35,778	62,827	16,194	141,394	18,435	136,943	3,975	104,488	46,642	122,734
December	31,612	63,081	16,424	144,060	19,769	144,959	3,921	105,464	40,598	126,825
Total	338,095	823,223	205,024	1,701,735	243,459	1,743,259	47,807	1,251,013	531,889	1,439,905
2017										
January	31,023	£62,084	£17,262	£143,020	£19,255	£152,236	£4,050	£100,436	£40,456	£132,523
February	28,145	£56,403	£15,322	£130,148	£17,565	£143,751	£3,718	£93,212	£40,026	£122,279
March	31,344	£61,907	£16,909	£142,549	£19,215	£165,126	£4,050	£104,247	£45,224	£131,234
April	30,373	£59,935	£16,607	£136,337	£18,233	£156,440	£3,963	£103,170	£46,203	£130,878
May	30,399	£61,145	£17,293	£138,439	£18,516	£163,874	£4,128	£107,654	£48,121	£134,785
June	27,509	£58,505	£16,855	£134,382	£18,353	£169,788	£3,983	£103,915	£46,449	£139,251
July	24,025	£58,908	£17,599	£140,105	£18,873	£179,666	£4,128	£107,440	£48,811	£156,236
August	24,427	£58,542	£17,224	£143,311	£18,574	£182,591	£4,146	£106,999	£49,986	£160,228
September	27,205	RE55,950	RE16,594	RE140,164	RE18,070	RE188,275	RE3,888	RE107,737	RE48,290	RE160,759
October	29,536	RE57,336	RE17,026	RE145,750	RE18,264	RE199,364	RE4,014	RE113,739	RE53,070	RE169,374
November	30,276	£54,554	£16,462	£141,971	£17,602	£203,715	£3,849	£110,541	£52,374	£167,066
2017 11-Month	314,262	£645,268	£185,153	£1,536,176	£202,520	£1,904,825	£43,918	£1,159,090	£519,010	£1,604,613
2016 11-Month	306,483	760,142	188,600	1,557,675	223,690	1,598,300	43,886	1,145,549	491,291	1,313,079
2015 11-Month	312,684	930,229	218,217	1,545,112	262,427	1,653,812	47,061	1,146,370	427,780	900,991

See footnotes at end of table.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 Total	2,331,086	4,257,693	7,985,019	454,545	1,067,114	1,794,413	628,854	1,253,678	27,497,754
2015									
January	206,817	408,019	666,792	37,062	110,271	162,702	51,564	105,908	2,420,352
February	186,741	370,836	615,252	33,962	99,105	137,164	46,428	94,048	2,196,987
March	216,067	413,155	678,110	39,205	113,858	154,586	50,405	95,632	2,443,119
April	209,983	392,752	665,298	37,609	111,323	151,397	48,479	107,100	2,398,440
May	214,639	391,332	674,199	38,022	118,474	150,918	49,984	111,365	2,442,713
June	211,079	376,856	657,920	36,200	111,890	148,776	49,267	105,365	2,358,416
July	217,883	401,777	673,973	36,152	111,602	151,349	50,213	116,654	2,444,753
August	213,529	409,771	667,422	32,688	114,734	152,364	50,234	119,136	2,447,534
September	204,298	398,110	654,404	30,658	111,675	147,401	48,523	116,224	2,383,531
October	209,342	407,234	660,397	31,148	108,349	152,745	49,991	110,894	2,445,042
November	201,517	409,344	630,975	30,470	97,462	148,602	47,893	101,386	2,356,237
December	207,703	433,795	645,718	33,843	106,504	150,515	49,392	108,235	2,434,920
Total	2,499,599	4,812,983	7,890,459	417,020	1,315,248	1,808,519	592,373	1,291,945	28,772,044
2016									
January	214,000	450,922	621,895	33,693	114,272	147,540	48,697	104,894	2,442,885
February	201,258	433,902	594,949	30,758	108,093	137,354	46,203	97,179	2,314,623
March	214,561	452,300	623,228	32,962	112,282	148,539	49,086	107,359	2,448,690
April	203,524	434,079	612,801	31,448	110,827	141,626	46,163	97,916	2,366,297
May	211,836	461,572	618,225	31,673	114,948	138,412	47,849	106,892	2,433,449
June	202,081	439,006	602,560	29,665	104,295	136,951	45,212	93,696	2,322,854
July	210,617	447,965	627,045	30,310	119,222	130,313	46,882	98,938	2,420,694
August	211,218	441,382	611,890	30,265	119,208	131,826	46,574	102,366	2,395,119
September	202,202	422,298	578,140	28,814	114,934	135,706	45,129	93,821	2,303,650
October	206,225	425,641	588,224	29,150	118,134	143,125	46,229	100,914	2,364,909
November	195,366	439,688	562,035	27,742	116,078	136,183	45,034	98,184	2,309,723
December	195,424	464,502	562,020	28,185	122,817	137,030	45,531	104,171	2,356,396
Total	2,468,312	5,313,258	7,203,012	364,665	1,375,108	1,664,604	558,589	1,206,328	28,479,288
2017									
January	E193,927	E461,677	E554,138	E27,708	E123,989	E128,115	E45,608	E101,650	E2,339,155
February	E179,163	E419,527	E512,125	E25,035	E112,378	E117,940	E40,864	E90,386	E2,147,988
March	E207,995	E459,647	E559,703	E27,670	E126,645	E131,265	E44,854	E101,639	E2,381,223
April	E203,362	E447,620	E545,862	E26,517	E121,705	E128,031	E43,036	E89,786	E2,308,058
May	E207,889	E457,732	E574,281	E27,345	E131,952	E128,168	E44,383	E95,044	E2,391,147
June	E203,690	E443,171	E560,639	E26,136	E130,111	E128,163	E42,260	E87,624	E2,340,784
July	E213,003	E457,136	E588,328	E26,211	E136,091	E131,054	E41,400	E94,417	E2,443,431
August	E218,247	E450,264	E576,037	E26,190	E143,578	E131,924	E42,826	E88,608	E2,443,703
September	RE211,644	RE444,256	RE566,219	RE25,228	RE139,445	RE128,825	RE40,684	RE85,010	RE2,408,242
October	RE225,807	RE449,371	RE599,299	RE25,778	RE144,282	RE133,794	RE41,340	RE77,339	RE2,504,484
November	E219,464	E469,615	E587,451	E24,692	E144,091	E133,230	E40,149	E77,734	E2,494,834
2017 11-Month YTD	E2,284,190	E4,960,015	E6,224,081	E288,511	E1,454,264	E1,420,511	E467,403	E989,235	E26,203,047
2016 11-Month YTD	2,272,888	4,848,756	6,640,992	336,480	1,252,291	1,527,574	513,058	1,102,157	26,122,892
2015 11-Month YTD	2,291,896	4,379,188	7,244,741	383,176	1,208,744	1,658,004	542,981	1,183,710	26,337,124

^E Estimated data.^{RE} Revised estimated data.

Notes: For 2017 forward, state monthly marketed production is estimated from gross withdrawals using historical relationships between the two. Data for Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and Federal Offshore Gulf of Mexico are individually collected on the EIA-914 survey. The "Other States" category comprises states/areas not individually collected on the EIA-914 survey (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). Before 2017, Federal Offshore Pacific is included in California. All data for Alaska are obtained directly from the state. 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: 2012-2016: Energy Information Administration (EIA), *Natural Gas Annual 2016*, Bureau of Safety and Environmental Enforcement (BSEE), PointLogic Energy, Ventyx, and BENTEK Energy. January 2017 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; and EIA computations.

Table 8. Underground natural gas storage – all operators, 2012-2017
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^a	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^b
2012 Total^c	--	--	--	--	--	2,825	2,818	-7
2013 Total^c	--	--	--	--	--	3,156	3,702	546
2014 Total^c	--	--	--	--	--	3,839	3,586	-253
2015								
January	4,368	2,407	6,776	482	25.1	70	795	725
February	4,368	1,666	6,034	466	38.8	62	803	742
March	4,369	1,471	5,841	614	71.6	182	376	193
April	4,369	1,793	6,162	727	68.1	405	84	-321
May	4,371	2,287	6,658	739	47.8	541	44	-496
June	4,375	2,647	7,022	641	32.0	430	68	-362
July	4,380	2,924	7,305	524	21.9	379	95	-284
August	4,372	3,242	7,614	473	17.1	394	85	-309
September	4,373	3,614	7,987	427	13.4	435	63	-372
October	4,374	3,942	8,316	355	9.9	401	70	-331
November	4,376	3,927	8,303	500	14.6	201	214	12
December	4,372	3,667	8,038	525	16.7	138	403	264
Total	--	--	--	--	--	3,638	3,100	-539
2016								
January	4,369	2,938	7,307	531	22.1	66	795	729
February	4,369	2,534	6,904	869	52.2	111	515	403
March	4,360	2,486	6,847	1,015	69.0	215	264	49
April	4,364	2,646	7,009	852	47.5	294	130	-164
May	4,366	2,966	7,332	679	29.7	402	74	-329
June	4,369	3,186	7,555	539	20.4	316	94	-222
July	4,369	3,318	7,687	394	13.5	283	150	-133
August	4,369	3,441	7,811	200	6.2	285	162	-124
September	4,369	3,705	8,074	91	2.5	351	88	-262
October	4,371	4,013	8,384	70	1.8	387	78	-308
November	4,372	3,977	8,349	50	1.3	178	213	35
December	4,380	3,297	7,677	-370	-10.1	87	762	676
Total	--	--	--	--	--	2,977	3,325	348
2017								
January	4,379	2,623	7,002	-315	-10.7	101	776	675
February	4,378	2,338	6,716	-196	-7.7	131	416	285
March	4,379	2,063	6,442	-423	-17.0	167	443	275
April	4,380	2,292	6,672	-353	-13.4	341	111	-230
May	4,386	2,627	7,013	-339	-11.4	423	82	-341
June	4,355	2,908	7,263	-278	-8.7	387	106	-281
July	4,357	3,055	7,412	-263	-7.9	310	160	-150
August	4,356	3,250	7,606	-191	-5.6	355	160	-196
September	4,356	3,568	7,924	-137	-3.7	423	107	-317
October	4,355	3,817	8,171	-196	-4.9	385	137	-248
November	4,354	3,732	8,086	-245	-6.2	203	288	85

^a Total underground storage capacity at the end of each calendar year (in billion cubic feet): 2012 – 8,991; 2013 – 9,173; 2014 – 9,233; 2015– 9,231; and 2016 – 9,239. 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.

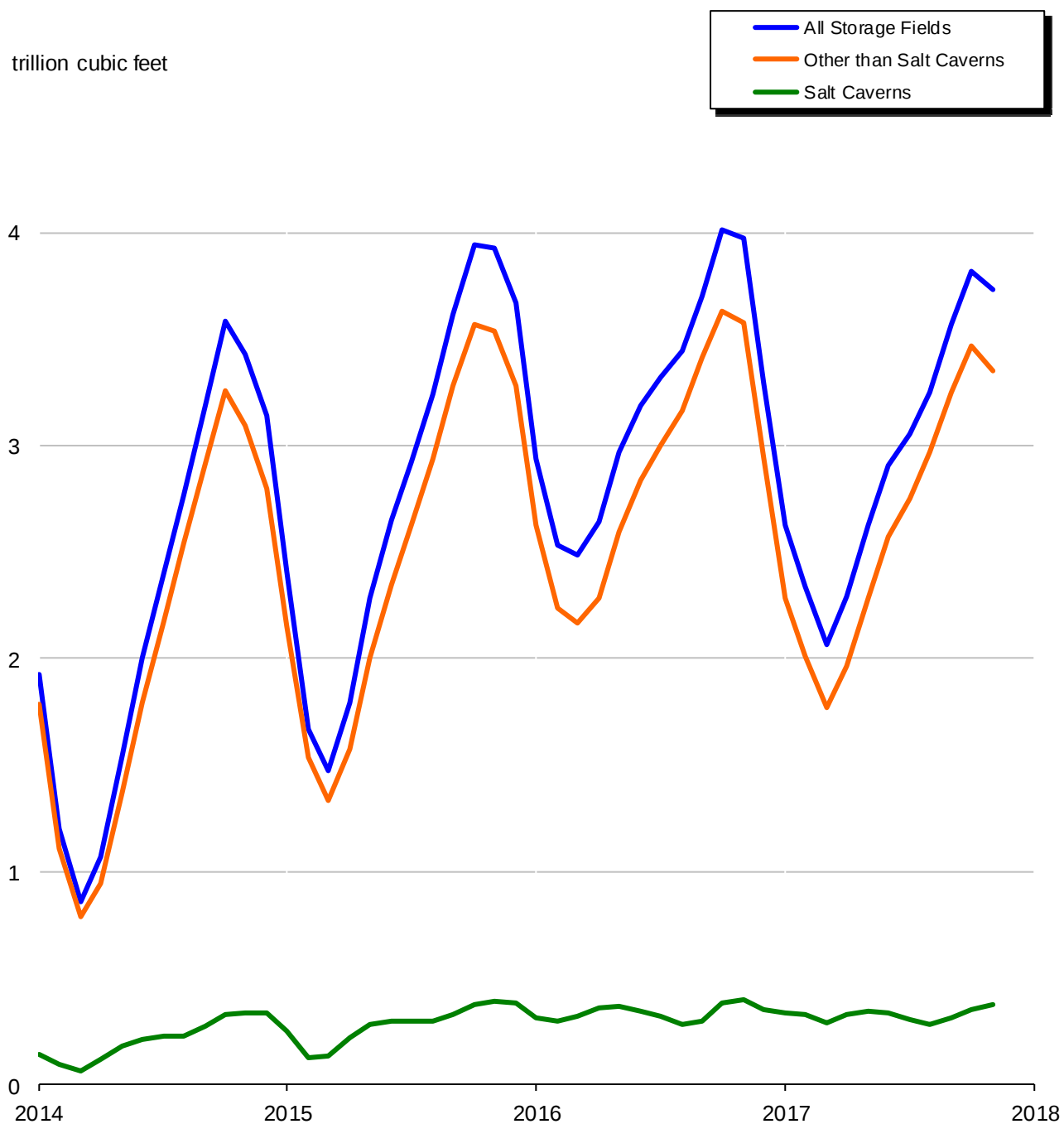
– Not applicable.

Notes: Data for 2012 through 2015 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. Working gas in underground natural gas storage in the United States, 2014-2017

Figure 5



Note: Geographic coverage is the 50 states and the District of Columbia.

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

Table 9. Underground natural gas storage – by season, 2016-2018

(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
2016 Heating Season								
November	4,376	3,927	8,303	500	14.6	201	214	12
December	4,372	3,667	8,038	525	16.7	138	403	264
January	4,369	2,938	7,307	531	22.1	66	795	729
February	4,369	2,534	6,904	869	52.2	111	515	403
March	4,360	2,486	6,847	1,015	69.0	215	264	49
Total	--	--	--	--	--	732	2,189	1,457
2016 Refill Season								
April	4,364	2,646	7,009	852	47.5	294	130	-164
May	4,366	2,966	7,332	679	29.7	402	74	-329
June	4,369	3,186	7,555	539	20.4	316	94	-222
July	4,369	3,318	7,687	394	13.5	283	150	-133
August	4,369	3,441	7,811	200	6.2	285	162	-124
September	4,369	3,705	8,074	91	2.5	351	88	-262
October	4,371	4,013	8,384	70	1.8	387	78	-308
Total	--	--	--	--	--	2,319	776	-1,543
2017 Heating Season								
November	4,372	3,977	8,349	50	1.3	178	213	35
December	4,380	3,297	7,677	-370	-10.1	87	762	676
January	4,379	2,623	7,002	-315	-10.7	101	776	675
February	4,378	2,338	6,716	-196	-7.7	131	416	285
March	4,379	2,063	6,442	-423	-17.0	167	443	275
Total	--	--	--	--	--	664	2,610	1,946
2017 Refill Season								
April	4,380	2,292	6,672	-353	-13.4	341	111	-230
May	4,386	2,627	7,013	-339	-11.4	423	82	-341
June	4,355	2,908	7,263	-278	-8.7	387	106	-281
July	4,357	3,055	7,412	-263	-7.9	310	160	-150
August	4,356	3,250	7,606	-191	-5.6	355	160	-196
September	4,356	3,568	7,924	-137	-3.7	423	107	-317
October	4,355	3,817	8,171	-196	-4.9	385	137	-248
Total	--	--	--	--	--	2,625	864	-1,761
2018 Heating Season								
November	4,354	3,732	8,086	-245	-6.2	203	288	85

^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 2015 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013.

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

Table 10. Underground natural gas storage – salt cavern storage fields, 2012-2017
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2012 Total^b	--	--	--	--	--	465	445	-20
2013 Total^b	--	--	--	--	--	492	521	29
2014 Total^b	--	--	--	--	--	634	552	-82
2015								
January	187	252	439	110	76.8	24	105	81
February	187	127	314	32	33.6	15	140	125
March	187	138	325	70	102.8	58	46	-12
April	187	221	407	101	84.9	95	13	-82
May	188	283	471	104	58.2	81	17	-64
June	190	297	487	89	42.4	44	29	-15
July	190	297	487	71	31.4	37	37	*
August	190	301	491	72	31.4	36	32	-4
September	190	333	523	62	22.8	55	24	-31
October	190	376	566	45	13.6	67	24	-43
November	190	389	579	54	16.1	50	37	-13
December	190	387	577	46	13.6	44	46	2
Total	--	--	--	--	--	606	550	-56
2016								
January	189	312	501	60	23.7	29	105	76
February	190	295	485	168	132.8	42	58	16
March	190	322	513	184	133.0	67	39	-28
April	191	358	550	138	62.4	66	27	-38
May	192	368	560	84	29.8	46	35	-10
June	192	348	541	51	17.1	26	45	19
July	192	319	511	22	7.3	32	62	29
August	193	281	474	-20	-6.5	33	69	37
September	194	295	489	-38	-11.3	52	37	-14
October	194	383	577	7	1.9	115	26	-89
November	195	402	598	13	3.4	47	28	-20
December	195	349	544	-39	-10.0	38	92	53
Total	--	--	--	--	--	593	624	32
2017								
January	195	338	533	26	8.3	57	68	11
February	195	328	522	33	11.0	37	47	10
March	196	292	487	-31	-9.5	43	79	36
April	197	326	523	-32	-9.0	68	32	-36
May	197	343	539	-25	-6.8	58	42	-16
June	196	339	535	-9	-2.7	49	53	4
July	198	304	502	-15	-4.7	38	73	34
August	198	279	476	-2	-0.9	44	69	24
September	197	317	515	22	7.6	83	45	-38
October	197	350	548	-33	-8.6	91	58	-33
November	197	379	575	-24	-5.9	69	42	-28
2017 11-Month YTD	--	--	--	--	--	639	607	-32
2016 11-Month YTD	--	--	--	--	--	554	533	-22
2015 11-Month YTD	--	--	--	--	--	562	504	-58

^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.

* Volume is between -500 MMcf and 500 MMcf.

-- Not applicable.

Notes: Data for 2012 through 2015 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, 2012-2017
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2012 Total^b	--	--	--	--	--	2,360	2,373	12
2013 Total^b	--	--	--	--	--	2,664	3,181	517
2014 Total^b	--	--	--	--	--	3,205	3,034	-171
2015								
January	4,182	2,155	6,337	373	20.9	46	690	644
February	4,181	1,539	5,720	434	39.2	46	663	616
March	4,182	1,333	5,515	544	68.9	124	330	205
April	4,182	1,572	5,755	625	66.0	310	71	-239
May	4,183	2,004	6,187	635	46.4	460	28	-433
June	4,185	2,349	6,534	552	30.7	386	39	-346
July	4,190	2,627	6,818	454	20.9	342	58	-284
August	4,182	2,941	7,123	401	15.8	358	53	-305
September	4,183	3,281	7,465	365	12.5	380	39	-341
October	4,184	3,566	7,750	310	9.5	334	46	-288
November	4,186	3,537	7,724	446	14.4	151	177	26
December	4,181	3,280	7,461	479	17.1	94	356	262
Total	--	--	--	--	--	3,032	2,549	-482
2016								
January	4,180	2,626	6,806	471	21.9	37	689	652
February	4,180	2,239	6,419	700	45.5	69	456	387
March	4,170	2,164	6,334	831	62.3	149	225	77
April	4,172	2,287	6,460	715	45.5	229	103	-126
May	4,174	2,599	6,773	595	29.7	357	39	-318
June	4,176	2,838	7,014	489	20.8	291	49	-241
July	4,176	2,999	7,176	372	14.2	251	88	-163
August	4,177	3,160	7,337	219	7.5	253	92	-160
September	4,175	3,410	7,585	129	3.9	299	51	-248
October	4,177	3,630	7,807	63	1.8	271	52	-220
November	4,177	3,574	7,751	37	1.0	131	185	55
December	4,185	2,948	7,133	-331	-10.1	48	670	622
Total	--	--	--	--	--	2,384	2,700	316
2017								
January	4,184	2,285	6,469	-341	-13.0	44	708	664
February	4,183	2,010	6,194	-229	-10.2	94	369	275
March	4,183	1,772	5,955	-392	-18.1	124	364	239
April	4,183	1,966	6,149	-321	-14.0	273	79	-194
May	4,189	2,285	6,474	-314	-12.1	365	40	-325
June	4,159	2,569	6,727	-269	-9.5	338	53	-284
July	4,159	2,751	6,910	-248	-8.3	272	88	-184
August	4,159	2,971	7,130	-189	-6.0	311	91	-220
September	4,159	3,250	7,409	-160	-4.7	340	62	-279
October	4,157	3,466	7,624	-163	-4.5	294	80	-215
November	4,157	3,353	7,511	-221	-6.2	133	246	113
2017 11-Month YTD	--	--	--	--	--	2,589	2,179	-410
2016 11-Month YTD	--	--	--	--	--	2,336	2,030	-306
2015 11-Month YTD	--	--	--	--	--	2,938	2,193	-745

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

^b Total as of December 31.

^R Revised data.

-- Not applicable.

Notes: Data for 2012 through 2015 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013.

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

Table 12. Net withdrawals from underground storage, by state, 2015-2017
(million cubic feet)

State								2017
	November	October	September	August	July	June	May	April
Alabama	-1,237	-3,630	-561	3,628	3,386	498	169	-1,292
Alaska ^a	1,622	-476	-1,624	-2,476	-2,424	-2,108	-1,525	-1,076
Arkansas	397	-251	-582	-574	-647	-581	-595	-272
California	6,225	-4,453	-12,170	1,131	-6,825	-13,932	-23,443	-16,166
Colorado	-4,315	-582	-6,013	-2,922	-5,245	-5,660	-4,519	-1,374
Illinois	-333	-40,165	-41,306	-34,888	-25,184	-32,389	-17,012	4,438
Indiana	-1,525	-2,472	-2,352	-2,191	-2,486	-2,796	-1,664	-501
Iowa	6,240	-20,082	-19,446	-11,805	-1,696	-1,917	-1,579	1,288
Kansas	-872	-5,986	-5,422	656	-2,088	-4,611	-14,016	-10,252
Kentucky	3,170	-10,110	-8,402	-1,317	5,583	1,693	-8,818	-12,511
Louisiana	-10,612	-13,491	-23,167	3,696	1,007	-5,268	-19,430	-21,998
Maryland	816	-533	-1,395	-2,626	-2,873	-2,241	-3,128	-280
Michigan	39,265	-34,646	-52,348	-54,494	-38,760	-57,334	-55,198	-39,909
Minnesota	-9	-232	-242	-244	-220	-190	-63	36
Mississippi	-4,909	-11,495	-17,129	4,919	14,904	-476	-3,259	-8,395
Missouri	-210	-217	-432	*	0	*	0	*
Montana	3,931	-812	-4,091	-2,393	-3,558	-4,182	-4,160	-2,002
Nebraska	-232	-702	-1,206	-564	-935	182	-1,017	-979
New Mexico	1,939	235	241	2,883	1,623	68	-1,257	-1,704
New York	5,738	-10,854	-13,746	-15,700	-8,367	-12,765	-7,272	-5,894
Ohio	16,388	-3,490	-22,590	-24,349	-26,059	-26,200	-18,721	-5,818
Oklahoma	2,563	-9,766	-4,340	1,626	1,039	-10,437	-13,581	-4,742
Oregon	190	-705	-899	-702	-545	-1,472	-3,170	-336
Pennsylvania	20,691	-31,295	-33,239	-47,206	-37,135	-46,732	-51,111	-33,170
Tennessee	5	-31	-42	11	8	-41	-32	-29
Texas	-11,751	-30,431	-16,898	19,068	18,244	-15,267	-37,200	-30,805
Utah	-177	-1,600	-4,342	-1,449	-3,718	-5,162	-7,294	-2,628
Virginia	-144	-40	-761	-317	349	45	-513	-310
Washington	-191	1,203	-3,610	-2,225	329	-2,739	-5,577	-2,596
West Virginia	13,698	-11,598	-17,030	-24,959	-26,009	-26,523	-33,844	-30,240
Wyoming	-1,194	1,188	-1,390	172	-1,694	-2,290	-1,936	-632
Regions								
East Region	57,186	-57,810	-88,761	-115,156	-100,093	-114,416	-114,589	-75,713
South Central Region	-26,421	-75,050	-68,100	33,018	35,847	-36,143	-87,911	-77,757
Midwest Region	46,603	-107,955	-124,569	-104,928	-62,755	-92,974	-84,366	-47,188
Mountain Region	-48	-2,273	-16,801	-4,273	-13,527	-17,044	-20,183	-9,318
Pacific Region	6,224	-3,955	-16,679	-1,795	-7,040	-18,142	-32,191	-19,098
Total Lower 48 States	83,544	-247,044	-314,911	-193,134	-147,568	-278,719	-339,239	-229,075
U.S. Total	85,166	-247,520	-316,535	-195,610	-149,992	-280,827	-340,764	-230,151

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017

(million cubic feet) – continued

State	2017				2016			
	March	February	January	Total	December	November	October	September
Alabama	1,420	-1,005	-254	1,019	3,462	-2,161	-5,368	-597
Alaska ^a	1,572	1,409	2,213	-8,322	1,789	872	139	-1,321
Arkansas	772	66	418	-1,666	739	-86	-152	-318
California	-17,257	4,304	50,405	39,603	43,736	1,937	-8,590	-3,383
Colorado	1,199	4,859	10,983	-4,606	11,693	-1,452	-7,324	-5,111
Illinois	35,264	42,917	59,371	5,282	53,639	623	-37,807	-41,363
Indiana	2,040	3,067	5,972	3,478	4,712	-1,533	-2,257	-2,199
Iowa	5,165	8,052	15,571	6,414	22,217	5,150	-18,715	-18,041
Kansas	5,246	2,192	18,823	8,377	21,467	876	-5,573	-8,157
Kentucky	5,772	7,787	16,622	9,205	16,756	51	-4,545	-4,548
Louisiana	23,900	11,892	22,369	39,572	42,587	-3,970	-51,370	-11,031
Maryland	3,170	2,048	3,915	2,916	2,604	893	133	-150
Michigan	63,573	47,176	108,702	57,601	108,495	17,034	-27,683	-54,745
Minnesota	342	450	321	38	44	14	-104	-197
Mississippi	6,585	1,802	10,041	26,635	24,501	1,560	-24,918	-3,355
Missouri	100	-20	163	-156	365	-210	-405	-290
Montana	1,137	4,042	7,075	-7,364	8,305	2,401	-782	-2,191
Nebraska	-287	1,408	2,844	785	2,171	721	-1,221	-1,132
New Mexico	-2,779	1,321	4,466	669	4,345	-1,195	-1,530	75
New York	17,047	12,369	20,857	19,233	20,132	4,697	-7,006	-12,209
Ohio	27,859	22,619	36,350	17,390	41,276	14,460	-10,323	-22,602
Oklahoma	-5,893	3,193	35,389	11,957	30,817	-5,705	-11,783	-2,082
Oregon	-2,364	606	4,500	1,381	5,032	406	-1,086	-266
Pennsylvania	70,898	54,306	82,560	68,344	70,114	10,492	-16,859	-43,300
Tennessee	-5	14	31	-66	71	-14	-34	2
Texas	1,147	6,329	78,122	38,656	65,863	-17,919	-50,646	112
Utah	-518	5,334	11,889	-1,208	12,286	-466	-1,542	-3,455
Virginia	689	685	180	189	212	-211	-163	-185
Washington	1,556	4,022	6,908	-2,216	3,465	448	-109	-3,266
West Virginia	27,775	29,958	49,893	22,407	44,092	10,686	-7,057	-15,425
Wyoming	234	1,737	8,000	-7,349	8,555	-3,105	-3,717	-1,656
Regions								
East Region	147,438	121,986	193,754	130,479	178,429	41,017	-41,275	-93,871
South Central Region	33,177	24,469	164,908	124,549	189,436	-27,405	-149,809	-25,428
Midwest Region	112,250	109,443	206,754	81,797	206,299	21,114	-91,550	-121,381
Mountain Region	-1,014	18,701	45,258	-19,074	47,355	-3,096	-16,117	-13,469
Pacific Region	-18,066	8,931	61,813	38,769	52,233	2,790	-9,785	-6,916
Total Lower 48 States	273,786	283,530	672,486	356,520	673,752	34,420	-308,536	-261,066
U.S. Total	275,358	284,938	674,699	348,198	675,541	35,292	-308,397	-262,387

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017

(million cubic feet) – continued

State								2016
	August	July	June	May	April	March	February	January
Alabama	2,250	3,115	1,486	-1,536	-3,383	-323	-713	4,787
Alaska ^a	-1,997	-1,976	-1,468	-1,957	-1,441	-451	-459	-50
Arkansas	-564	-517	-724	-801	-444	438	328	434
California	4,248	769	-7,766	-16,700	-17,261	-4,805	7,203	40,217
Colorado	-3,745	-4,892	-5,512	-5,498	1,334	3,688	2,412	9,800
Illinois	-33,535	-28,440	-32,072	-26,284	4,551	26,092	50,274	69,604
Indiana	-1,850	-1,850	-2,226	-2,905	527	1,694	5,259	6,106
Iowa	-14,078	-1,925	-2,856	-2,349	2,150	4,762	10,674	19,427
Kansas	-2,098	-7,378	-4,701	-13,272	-7,171	-4,070	11,913	26,541
Kentucky	-128	-2,707	-2,776	-8,262	-16,117	2,150	9,656	19,675
Louisiana	18,506	16,049	-2,585	-11,540	-20,296	-14,011	21,175	56,058
Maryland	-1,397	-1,133	-3,022	-1,671	716	-342	2,294	3,991
Michigan	-36,754	-35,799	-52,688	-65,480	-13,874	30,025	80,654	108,415
Minnesota	-228	-205	-174	-76	7	515	127	315
Mississippi	2,651	7,130	1,758	-7,184	-6,394	-12,187	6,944	36,129
Missouri	*	0	0	0	0	119	-168	433
Montana	-3,465	-3,260	-4,908	-5,202	-3,943	-770	2,057	4,394
Nebraska	-90	-151	-16	-1,099	-630	-103	549	1,788
New Mexico	167	659	-391	-1,615	-1,170	-1,658	1,413	1,568
New York	-3,017	-3,467	-6,284	-11,257	-1,560	2,483	14,571	22,150
Ohio	-23,658	-25,774	-26,258	-21,537	-5,040	17,603	32,160	47,082
Oklahoma	1,055	-3,398	-3,069	-15,348	-9,402	-5,923	10,070	26,725
Oregon	-16	-887	-511	-2,228	-1,027	-362	481	1,845
Pennsylvania	-18,752	-21,094	-36,463	-32,012	-5,601	11,919	62,426	87,473
Tennessee	2	3	-38	-27	-17	-32	-6	25
Texas	21,348	18,530	7,624	-29,546	-38,115	-19,445	24,128	56,721
Utah	-2,871	-2,671	-4,887	-7,374	-814	-1,928	3,685	8,830
Virginia	-504	73	-46	-242	-508	135	17	1,612
Washington	-2,091	-788	-1,834	-4,392	-2,918	1,935	5,854	1,480
West Virginia	-22,388	-29,308	-25,938	-27,301	-14,249	11,571	35,666	62,059
Wyoming	-769	-1,773	-3,980	-3,858	-2,386	-139	2,448	3,031
Regions								
East Region	-69,715	-80,704	-98,011	-94,019	-26,242	43,370	147,134	224,367
South Central Region	43,149	33,529	-212	-79,227	-85,205	-55,521	73,846	207,396
Midwest Region	-86,571	-70,923	-92,831	-105,382	-22,774	65,327	156,470	224,000
Mountain Region	-10,773	-12,088	-19,694	-24,646	-7,610	-910	12,562	29,411
Pacific Region	2,142	-906	-10,112	-23,319	-21,206	-3,232	13,538	43,542
Total Lower 48 States	-121,769	-131,091	-220,859	-326,593	-163,038	49,034	403,550	728,716
U.S. Total	-123,765	-133,067	-222,328	-328,551	-164,479	48,583	403,091	728,666

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017

(million cubic feet) – continued

State	2015							
	Total	December	November	October	September	August	July	June
Alabama	-3,817	-249	-1,217	-415	-2,416	1,057	-971	-734
Alaska ^a	782	140	197	-52	92	-108	-171	-78
Arkansas	-1,046	-127	-283	-212	-141	-403	-437	-357
California	-2,698	44,087	5,699	-18,709	-6,577	1,758	-8,522	-10,336
Colorado	-5,930	9,420	1,802	-4,141	-5,250	-5,181	-5,048	-6,817
Illinois	-10,603	45,715	-1,164	-36,756	-37,238	-34,172	-32,685	-29,520
Indiana	-4,411	1,569	-1,236	-2,047	-3,878	-3,494	-2,687	-2,942
Iowa	-4,955	16,556	4,637	-14,124	-16,136	-13,614	-2,563	-6,962
Kansas	-11,154	11,377	7,836	-5,912	-14,045	-9,249	-16,737	-11,868
Kentucky	-17,554	7,953	-1,730	-9,465	-7,783	-6,294	-5,729	-5,537
Louisiana	-88,237	8,860	-15,244	-40,257	-33,722	-20,717	-17,892	-16,431
Maryland	-1,304	517	490	-262	-372	-2,786	-2,440	-2,577
Michigan	-87,722	30,889	3,499	-60,050	-75,170	-81,284	-74,938	-82,493
Minnesota	-78	10	-149	-262	-219	-202	-176	-37
Mississippi	-28,109	-723	-4,892	-14,206	-16,234	-4,313	-2,736	-11,013
Missouri	-586	28	-212	-268	-581	0	0	*
Montana	-3,197	3,620	2,456	-1,050	-2,101	-3,445	-3,385	-3,128
Nebraska	-786	979	212	-1,193	-1,296	-965	-77	-1,343
New Mexico	-19,897	-616	-2,132	-2,258	-1,275	-1,429	-1,726	-1,306
New York	-15,923	2,020	7	-6,129	-8,376	-8,289	-9,553	-15,297
Ohio	-33,025	19,441	7,717	-11,308	-22,886	-27,651	-25,160	-26,651
Oklahoma	-32,397	8,250	3,951	-13,483	-8,189	-6,183	-8,740	-17,758
Oregon	474	2,338	1,139	-1,330	-1,482	-685	2	-374
Pennsylvania	-41,111	11,466	-6,135	-31,589	-38,785	-35,179	-24,593	-51,105
Tennessee	-453	-54	-102	-93	-64	-59	-60	-49
Texas	-91,530	6,424	-2,086	-41,913	-35,276	-6,397	-1,462	-23,854
Utah	-8,073	6,185	3,131	-1,402	-4,323	-3,183	-5,792	-5,110
Virginia	-468	48	-270	-545	-623	-508	-87	-509
Washington	4,545	2,710	3,788	-792	-2,976	-4,747	278	122
West Virginia	-28,151	23,857	2,855	-9,191	-22,829	-30,326	-28,865	-25,786
Wyoming	-1,237	1,646	-255	-1,419	-1,866	-1,115	-1,186	-1,715
Regions								
East Region	-119,981	57,349	4,664	-59,024	-93,873	-104,740	-90,699	-121,926
South Central Region	-256,290	33,813	-11,936	-116,399	-110,024	-46,205	-48,975	-82,015
Midwest Region	-126,362	102,665	3,543	-123,064	-141,069	-139,118	-118,838	-127,539
Mountain Region	-39,121	21,235	5,213	-11,462	-16,112	-15,317	-17,214	-19,419
Pacific Region	2,322	49,135	10,625	-20,831	-11,035	-3,674	-8,243	-10,588
Total Lower 48 States	-539,433	264,197	12,109	-330,780	-372,112	-309,054	-283,969	-361,486
U.S. Total	-538,651	264,337	12,306	-330,832	-372,021	-309,162	-284,140	-361,564

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2015-2017
(million cubic feet) – continued

State	2015				
	May	April	March	February	January
Alabama	-5,684	-6,159	-243	8,440	4,774
Alaska ^a	-71	219	235	185	194
Arkansas	-411	91	234	567	431
California	-25,451	-16,467	-4,345	-2,750	38,916
Colorado	-5,045	1,888	920	5,579	5,942
Illinois	-28,714	1,105	21,193	58,104	63,529
Indiana	-2,903	-294	2,709	5,238	5,552
Iowa	-5,355	541	6,384	11,129	14,550
Kansas	-13,935	-2,777	-721	26,416	18,461
Kentucky	-9,947	-14,941	2,284	20,181	13,454
Louisiana	-36,612	-45,037	-1,990	73,436	57,369
Maryland	-2,522	-254	970	4,876	3,057
Michigan	-82,150	-42,975	61,590	176,480	138,879
Minnesota	6	6	351	255	337
Mississippi	-20,437	-30,471	371	40,415	36,131
Missouri	0	0	-976	1,273	151
Montana	-2,545	-1,350	-172	3,314	4,588
Nebraska	-1,121	-417	669	1,778	1,989
New Mexico	-2,874	-2,771	-2,404	-1,237	131
New York	-12,852	-4,764	12,169	17,191	17,951
Ohio	-31,413	-14,797	19,170	37,546	42,969
Oklahoma	-30,908	-22,563	1,625	31,015	30,588
Oregon	-2,416	116	-732	688	3,212
Pennsylvania	-62,659	-27,319	48,329	92,652	83,807
Tennessee	-53	-48	-10	96	42
Texas	-64,583	-68,034	4,146	75,241	66,265
Utah	-6,367	-512	-197	3,249	6,246
Virginia	-600	793	-1,256	1,821	1,268
Washington	-4,285	-1,199	2,520	4,712	4,416
West Virginia	-33,369	-23,204	19,424	41,243	58,043
Wyoming	-1,151	308	1,217	2,397	1,901
Regions					
East Region	-143,415	-69,546	98,805	195,328	207,094
South Central Region	-172,570	-174,950	3,421	255,529	214,020
Midwest Region	-129,116	-56,605	93,527	272,757	236,494
Mountain Region	-19,103	-2,853	34	15,081	20,797
Pacific Region	-32,152	-17,550	-2,557	2,649	46,544
Total Lower 48 States	-496,356	-321,505	193,230	741,344	724,949
U.S. Total	-496,427	-321,286	193,465	741,529	725,144

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

* Volume is less than 500 Mcf.

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, November 2017
(volumes in million cubic feet)

State	Field Count	Total Storage Capacity	Working Gas Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
				Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	2	43,600	33,150	10,450	21,799	32,249	-4,580	-17.4	3,044	1,807
Alaska ^a	5	83,592	67,915	14,197	37,497	51,694	3,105	9.0	238	1,860
Arkansas	2	21,774	8,894	12,880	3,990	16,870	1,141	40.1	89	485
California	14	603,808	373,236	230,605	270,993	501,599	-16,386	-5.7	7,916	14,141
Colorado	11	139,486	68,174	62,849	54,794	117,643	-2,351	-4.1	6,616	2,301
Illinois	28	1,008,539	303,613	704,925	252,161	957,087	-4,604	-1.8	17,571	17,238
Indiana	21	111,721	33,674	77,212	27,845	105,057	120	0.4	1,714	189
Iowa	4	288,210	90,313	197,897	71,866	269,762	-2,007	-2.7	5,142	11,382
Kansas	16	282,986	122,982	163,960	103,457	267,417	-5,201	-4.8	10,420	9,548
Kentucky	23	221,798	107,647	112,926	88,577	201,503	-16,244	-15.5	2,500	5,670
Louisiana	19	747,923	456,952	281,984	367,780	649,764	-13,820	-3.6	39,288	28,676
Maryland	1	64,000	18,300	45,677	15,605	61,282	521	3.5	1,341	2,157
Michigan	44	1,071,608	685,709	386,921	603,765	990,686	-34,904	-5.5	7,199	46,464
Minnesota	1	7,000	2,000	4,848	2,137	6,985	6	0.3	9	0
Mississippi	12	334,792	204,713	124,841	140,823	265,665	-16,971	-10.8	19,969	15,060
Missouri	1	13,845	6,000	7,845	6,881	14,726	70	1.0	210	0
Montana	4	376,225	197,477	178,501	32,124	210,624	-3,435	-9.7	114	4,046
Nebraska	1	34,850	12,653	22,197	11,008	33,204	-726	-6.2	642	410
New Mexico	2	89,100	59,738	29,362	37,867	67,229	-11,382	-23.1	334	2,273
New York	26	245,779	127,487	114,176	107,126	221,302	-1,553	-1.4	2,234	7,972
Ohio	24	575,794	252,140	321,618	172,344	493,963	-17,084	-9.0	1,321	17,708
Oklahoma	13	376,528	198,675	177,696	160,262	337,958	-25,009	-13.5	7,103	9,666
Oregon	7	29,565	15,935	11,186	18,022	29,208	-266	-1.5	571	761
Pennsylvania	49	763,296	427,661	335,367	357,340	692,707	-18,197	-4.8	19,288	39,979
Tennessee	2	2,400	1,800	878	1,329	2,206	40	3.1	8	13
Texas	36	853,382	549,264	296,675	443,064	739,738	-46,213	-9.4	35,681	23,930
Utah	3	124,509	54,942	69,508	49,900	119,408	-2,636	-5.0	2,139	1,962
Virginia	2	9,500	5,400	4,100	5,153	9,253	-72	-1.4	446	302
Washington	1	46,900	24,600	22,300	22,276	44,576	-484	-2.1	1,864	1,673
West Virginia	31	530,837	268,882	262,623	209,278	471,901	4,637	2.3	4,426	18,125
Wyoming	9	157,744	73,705	67,747	34,947	102,694	-10,084	-22.4	3,406	2,212
Regions										
East Region	133	2,189,206	1,099,870	1,083,562	866,846	1,950,408	-31,748	-3.5	29,057	86,243
South Central Region	100	2,660,986	1,574,630	1,068,487	1,241,174	2,309,661	-110,654	-8.2	115,593	89,173
Midwest Region	124	2,725,119	1,230,756	1,493,451	1,054,561	2,548,012	-57,524	-5.2	34,353	80,956
Mountain Region	30	921,914	466,689	430,163	220,640	650,803	-30,614	-12.2	13,252	13,204
Pacific Region	22	680,273	413,771	264,091	311,292	575,383	-17,137	-5.2	10,351	16,575
Total Lower 48 States	409	9,177,498	4,785,716	4,339,754	3,694,513	8,034,267	-247,677	-6.3	202,606	286,150
U.S. Total	414	9,261,090	4,853,632	4,353,951	3,732,010	8,085,961	-244,572	-6.2	202,845	288,010

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

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

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

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017
(million cubic feet)

State	2017	2016	2015						2017
	11-Month YTD	11-Month YTD	11-Month YTD	November	October	September	August	July	
Alabama	NA	23,527	29,254	2,703	1,217	753	669	692	
Alaska	17,730	14,819	15,891	2,614	1,579	893	601	552	
Arizona	NA	30,138	27,849	2,132	1,504	1,147	1,012	1,102	
Arkansas	18,783	21,182	28,783	2,375	876	552	521	537	
California	NA	345,356	328,116	33,815	23,576	17,704	17,954	18,796	
Colorado	99,406	99,854	99,819	12,751	8,858	3,626	2,896	2,708	
Connecticut	40,842	38,232	46,226	4,873	1,455	1,110	1,043	1,094	
Delaware	7,816	7,949	10,211	944	247	170	156	150	
District of Columbia	NA	9,246	12,038	843	371	270	259	253	
Florida	13,306	13,765	13,947	1,235	931	836	757	786	
Georgia	88,834	96,471	106,065	12,081	6,716	4,101	4,044	3,937	
Hawaii	522	519	525	47	43	44	42	43	
Idaho	23,200	18,993	18,641	3,029	2,117	824	522	511	
Illinois	NA	309,518	349,900	44,363	17,809	NA	8,083	8,664	
Indiana	97,159	99,036	116,252	14,374	5,540	2,492	1,996	2,091	
Iowa	49,801	48,552	53,678	6,752	2,993	1,144	1,121	1,043	
Kansas	NA	42,052	49,451	NA	2,351	1,224	1,116	1,059	
Kentucky	33,209	36,197	43,572	5,289	2,013	972	782	717	
Louisiana	23,980	26,568	33,096	2,796	1,615	1,283	1,269	1,294	
Maine	2,266	2,118	2,384	254	87	59	55	53	
Maryland	60,115	62,142	74,482	8,628	2,398	1,715	1,303	1,634	
Massachusetts	99,050	92,882	114,004	12,242	4,217	2,681	2,516	2,627	
Michigan	246,315	240,394	276,623	37,891	14,539	7,237	5,484	5,216	
Minnesota	102,591	95,941	99,753	15,143	6,574	2,575	2,529	2,293	
Mississippi	14,712	16,401	20,800	2,044	913	640	568	527	
Missouri	68,905	67,861	82,562	10,559	2,354	1,828	1,697	1,631	
Montana	18,096	15,128	15,629	2,569	1,608	646	354	348	
Nebraska	29,677	26,126	29,043	4,118	1,455	672	672	698	
Nevada	34,107	32,298	29,686	2,931	2,007	1,455	1,137	1,292	
New Hampshire	6,157	5,612	6,958	821	268	161	164	143	
New Jersey	178,460	179,043	214,928	21,725	7,747	4,547	4,321	4,881	
New Mexico	24,406	26,684	26,923	2,437	1,538	877	829	850	
New York	359,404	344,958	407,864	43,034	15,069	11,049	10,307	10,844	
North Carolina	NA	51,629	57,687	7,972	2,093	1,087	985	NA	
North Dakota	9,109	7,919	8,854	1,393	671	236	178	156	
Ohio	NA	209,828	254,580	NA	12,021	5,593	4,972	4,646	
Oklahoma	37,814	38,768	50,062	4,750	1,464	1,220	1,257	1,135	
Oregon	39,528	30,603	30,142	5,312	3,141	1,188	776	863	
Pennsylvania	179,862	176,800	211,177	23,451	8,013	4,695	3,957	4,278	
Rhode Island	15,405	14,136	18,090	2,115	648	398	420	427	
South Carolina	19,457	22,178	25,285	3,098	869	563	502	582	
South Dakota	9,797	9,149	9,735	1,261	673	240	210	192	
Tennessee	43,811	46,519	59,604	6,951	1,880	1,295	1,015	1,044	
Texas	NA	146,265	183,346	13,091	7,750	5,871	5,423	5,987	
Utah	52,623	50,789	46,215	6,836	4,439	1,785	1,442	1,647	
Vermont	2,985	2,963	3,432	307	113	89	80	84	
Virginia	58,648	63,866	77,312	7,774	2,744	1,623	1,524	1,592	
Washington	75,415	60,294	59,438	10,528	6,405	2,419	1,733	1,786	
West Virginia	NA	19,127	22,359	2,590	1,006	481	301	NA	
Wisconsin	105,254	101,111	110,405	15,254	6,246	2,725	2,490	2,293	
Wyoming	11,092	9,576	9,299	1,325	983	275	209	217	
Total	3,597,937	3,551,081	4,021,977	466,794	203,746	115,126	104,253	107,492	

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017

(million cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	NA	NA	NA	3,251	3,303	4,957	28,407	4,880
Alaska	656	984	1,472	2,667	2,522	3,190	17,787	2,969
Arizona	1,326	1,783	2,361	3,706	NA	6,664	35,120	4,982
Arkansas	584	896	1,099	2,773	3,177	5,394	27,130	5,947
California	20,802	27,144	29,589	40,448	53,768	NA	411,828	66,472
Colorado	3,012	6,385	9,010	12,051	14,949	23,160	121,963	22,109
Connecticut	1,404	2,270	3,591	7,980	7,324	8,698	46,045	7,814
Delaware	205	347	606	1,674	1,384	1,933	9,660	1,711
District of Columbia	310	473	562	1,622	NA	2,120	11,379	2,132
Florida	887	1,075	1,409	1,651	1,776	1,962	15,352	1,587
Georgia	4,104	4,932	5,700	12,802	12,374	18,044	115,922	19,450
Hawaii	49	44	49	52	52	58	571	52
Idaho	591	1,099	1,988	2,632	3,775	6,112	24,889	5,896
Illinois	9,173	16,967	23,286	52,086	47,485	72,032	386,590	77,072
Indiana	2,409	5,321	7,058	17,117	15,311	23,450	125,038	26,002
Iowa	1,295	2,473	4,107	8,180	8,504	12,187	61,247	12,695
Kansas	1,290	1,865	3,216	6,256	7,040	11,886	54,060	12,007
Kentucky	774	1,184	2,026	5,631	5,580	8,240	45,502	9,305
Louisiana	1,353	1,503	1,793	2,837	3,055	5,181	31,393	4,826
Maine	82	139	240	436	405	457	2,566	449
Maryland	1,772	3,001	3,391	11,365	10,915	13,992	76,047	13,905
Massachusetts	3,324	5,995	8,761	20,373	16,654	19,661	112,082	19,200
Michigan	6,194	14,012	19,261	43,961	39,308	53,213	294,187	53,793
Minnesota	3,019	5,082	8,370	16,781	16,630	23,596	117,598	21,656
Mississippi	541	749	830	2,214	2,170	3,514	20,177	3,776
Missouri	1,943	3,385	4,518	10,495	11,195	19,299	87,265	19,404
Montana	480	914	1,629	2,262	3,019	4,268	19,100	3,972
Nebraska	911	1,594	2,421	4,249	5,132	7,755	33,050	6,924
Nevada	1,578	1,994	2,755	4,334	6,168	8,457	39,075	6,777
New Hampshire	183	352	498	1,235	1,042	1,288	6,861	1,249
New Jersey	5,701	9,519	15,232	34,249	30,578	39,961	215,510	36,467
New Mexico	963	1,428	2,113	3,013	4,252	6,105	32,577	5,893
New York	13,979	20,798	31,178	68,661	60,883	73,601	410,836	65,878
North Carolina	1,038	1,506	2,285	8,077	7,041	11,829	64,547	12,919
North Dakota	191	348	740	1,480	1,582	2,134	10,059	2,140
Ohio	5,262	9,851	13,796	36,914	32,763	46,269	255,826	45,997
Oklahoma	1,260	1,820	2,651	4,602	6,244	11,410	50,573	11,805
Oregon	1,327	2,142	3,757	5,123	6,390	9,510	39,391	8,788
Pennsylvania	5,199	9,670	14,079	34,348	31,516	40,656	215,512	38,712
Rhode Island	476	823	1,229	3,224	2,592	3,054	17,200	3,064
South Carolina	548	681	1,227	3,385	3,037	4,964	27,562	5,384
South Dakota	260	474	890	1,513	1,640	2,444	11,663	2,513
Tennessee	1,207	1,778	2,442	7,118	7,458	11,623	58,924	12,405
Texas	5,807	7,728	9,387	15,955	22,069	NA	175,332	29,067
Utah	2,183	2,834	4,879	5,592	7,281	13,706	63,929	13,140
Vermont	134	191	318	582	518	568	3,518	555
Virginia	1,747	2,381	3,649	10,958	9,992	14,663	77,170	13,305
Washington	2,206	4,009	6,969	10,331	12,339	16,690	76,321	16,027
West Virginia	323	754	1,361	3,461	3,093	4,049	23,210	4,083
Wisconsin	2,780	5,936	8,395	18,556	17,162	23,416	125,484	24,373
Wyoming	383	823	1,036	1,567	1,854	2,420	11,999	2,423
Total	123,956	200,453	280,702	581,829	581,660	831,926	4,345,031	793,950

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017

(million cubic feet) – continued

State								2016
	November	October	September	August	July	June	May	April
Alabama	1,790	875	620	646	675	833	978	1,645
Alaska	2,313	1,713	831	534	479	534	864	1,242
Arizona	2,314	1,433	1,144	1,030	1,081	1,327	1,766	2,422
Arkansas	1,830	733	609	545	584	687	937	1,510
California	37,487	22,235	19,919	18,615	19,535	21,253	24,772	28,203
Colorado	11,560	6,061	3,216	2,736	2,559	2,931	6,530	10,422
Connecticut	4,432	1,971	962	897	1,034	1,312	2,294	4,070
Delaware	794	281	165	155	164	224	458	794
District of Columbia	941	337	202	211	240	280	489	772
Florida	1,083	820	727	683	700	798	969	1,222
Georgia	10,131	4,799	3,782	3,816	3,629	3,761	4,631	6,473
Hawaii	47	45	49	45	45	45	44	51
Idaho	2,661	1,457	690	498	524	587	893	1,308
Illinois	32,863	14,682	7,804	7,463	7,828	9,530	15,847	30,371
Indiana	11,340	4,294	2,346	2,216	2,033	2,231	4,740	9,341
Iowa	4,607	2,016	1,330	1,052	1,178	1,181	2,249	4,664
Kansas	4,755	1,542	1,138	990	1,079	1,376	2,084	2,598
Kentucky	3,864	1,288	772	774	723	812	1,491	2,634
Louisiana	1,988	1,388	1,222	1,248	1,182	1,240	1,482	1,903
Maine	229	133	56	44	50	60	136	255
Maryland	6,792	2,645	1,425	1,345	1,484	1,784	3,341	5,421
Massachusetts	10,623	5,427	2,440	2,282	2,440	2,802	5,617	10,051
Michigan	27,488	14,924	6,654	4,899	5,406	5,587	12,193	27,261
Minnesota	9,848	5,555	2,599	2,497	2,306	2,944	4,253	9,873
Mississippi	1,349	625	572	553	594	740	816	943
Missouri	6,724	2,508	1,526	1,611	1,637	1,919	2,869	4,944
Montana	2,116	1,383	631	405	400	515	934	1,288
Nebraska	2,373	1,031	706	665	713	905	1,371	2,324
Nevada	2,891	1,810	1,387	1,208	1,269	1,518	1,993	2,500
New Hampshire	701	231	153	129	130	168	294	606
New Jersey	18,709	8,782	4,706	4,313	5,739	6,416	10,809	17,908
New Mexico	3,068	1,214	933	775	839	1,085	1,546	2,179
New York	37,839	18,228	9,343	9,231	10,735	12,749	22,011	36,765
North Carolina	6,304	1,719	1,088	1,046	1,047	1,222	1,657	3,302
North Dakota	867	629	218	175	162	181	375	770
Ohio	23,457	10,396	4,721	4,818	4,237	4,868	10,509	21,446
Oklahoma	3,798	1,659	1,305	1,175	1,114	1,369	1,759	2,369
Oregon	3,994	2,776	1,114	622	920	1,127	1,550	2,244
Pennsylvania	20,030	8,820	4,167	3,943	4,156	5,190	9,401	16,928
Rhode Island	1,753	906	360	236	268	325	746	1,498
South Carolina	2,620	730	502	484	447	499	719	1,342
South Dakota	901	520	239	209	196	230	523	973
Tennessee	4,393	1,410	1,021	910	1,004	1,158	1,627	3,108
Texas	9,113	6,508	5,353	5,380	5,756	7,078	7,373	11,583
Utah	6,363	2,979	1,781	1,366	1,714	1,463	2,994	4,451
Vermont	326	149	87	77	93	113	204	362
Virginia	6,527	2,884	1,450	1,376	1,429	2,052	2,969	5,421
Washington	7,845	5,551	2,551	1,776	1,855	2,300	3,170	4,151
West Virginia	2,265	884	360	323	363	371	726	1,783
Wisconsin	10,370	5,591	2,404	2,125	2,362	2,605	5,058	11,245
Wyoming	1,135	727	353	259	231	294	772	979
Total	379,611	187,305	109,734	100,409	106,369	122,582	193,829	327,916

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	2,755	5,516	7,195	32,750	3,496	2,082	957	711
Alaska	1,885	2,067	2,358	18,574	2,683	2,317	1,429	1,040
Arizona	3,090	5,815	8,716	34,516	6,667	3,134	1,345	1,080
Arkansas	2,762	4,944	6,040	33,049	4,266	2,361	795	586
California	39,795	43,744	69,797	401,172	73,056	44,392	19,235	17,032
Colorado	14,376	17,245	22,217	122,364	22,545	16,187	5,800	2,924
Connecticut	5,351	7,649	8,259	50,975	4,749	3,846	2,101	948
Delaware	1,094	1,812	2,009	11,260	1,049	772	406	168
District of Columbia	1,080	2,230	2,464	13,494	1,456	994	567	276
Florida	1,694	2,333	2,736	15,407	1,459	1,233	1,096	641
Georgia	9,578	19,793	26,077	118,028	11,963	10,265	5,883	3,800
Hawaii	49	47	52	572	47	44	44	41
Idaho	2,566	3,284	4,525	23,482	4,842	3,704	1,017	652
Illinois	41,363	62,741	79,025	400,876	50,976	36,127	18,138	8,118
Indiana	11,656	21,371	27,469	133,045	16,792	11,707	5,768	2,419
Iowa	6,787	10,221	13,266	62,735	9,057	5,498	2,408	1,279
Kansas	5,100	8,618	12,771	58,384	8,933	5,587	2,180	1,596
Kentucky	4,655	8,533	10,651	49,426	5,853	4,167	1,640	885
Louisiana	2,611	4,882	7,422	36,858	3,762	2,384	1,537	1,356
Maine	330	388	436	2,700	315	246	145	48
Maryland	7,549	13,589	16,769	82,858	8,376	6,235	3,881	1,542
Massachusetts	13,735	18,067	19,399	126,662	12,658	9,466	5,833	2,486
Michigan	33,138	47,643	55,201	312,098	35,475	28,390	16,422	6,006
Minnesota	12,540	19,714	23,813	117,588	17,835	10,603	5,140	2,331
Mississippi	1,732	3,311	5,165	23,248	2,448	1,833	833	728
Missouri	8,665	14,460	20,999	95,503	12,940	7,731	3,096	1,646
Montana	2,008	2,291	3,158	18,912	3,283	2,652	1,049	497
Nebraska	3,500	5,465	7,072	34,663	5,620	2,921	1,081	683
Nevada	3,524	5,658	8,540	37,029	7,344	4,218	1,449	1,228
New Hampshire	806	1,101	1,293	7,842	884	680	251	153
New Jersey	23,954	34,983	42,724	237,104	22,176	16,145	8,928	4,507
New Mexico	3,342	4,965	6,739	33,130	6,207	3,759	1,247	829
New York	47,350	66,423	74,285	452,166	44,302	33,880	20,674	10,202
North Carolina	5,133	12,917	16,193	64,523	6,836	6,169	2,737	1,092
North Dakota	1,076	1,509	1,957	10,552	1,698	1,060	509	199
Ohio	26,913	44,163	54,300	285,306	30,726	22,078	12,188	4,677
Oklahoma	4,616	7,604	11,999	59,399	9,337	5,701	1,814	1,240
Oregon	4,524	4,904	6,827	37,070	6,927	5,719	1,763	1,189
Pennsylvania	22,481	37,255	44,428	235,669	24,492	18,222	11,557	4,797
Rhode Island	1,935	2,791	3,320	20,042	1,952	1,632	1,063	391
South Carolina	2,282	5,686	6,866	28,414	3,129	2,461	1,070	569
South Dakota	1,303	1,766	2,289	11,751	2,016	1,174	478	228
Tennessee	5,468	11,344	15,077	67,312	7,708	4,811	1,967	1,155
Texas	16,632	30,066	41,424	211,379	28,033	11,027	6,334	5,401
Utah	6,228	9,030	12,419	58,562	12,346	8,345	2,015	1,329
Vermont	395	562	598	3,833	402	294	168	81
Virginia	8,173	14,427	17,158	85,464	8,151	6,455	3,540	1,903
Washington	8,903	9,271	12,921	71,907	12,469	11,216	4,199	2,613
West Virginia	2,617	4,160	5,275	24,807	2,449	2,120	1,235	385
Wisconsin	14,397	19,947	25,007	126,854	16,449	11,077	6,091	2,502
Wyoming	1,333	1,530	1,963	11,576	2,277	1,489	437	300
Total	454,829	689,836	878,664	4,612,888	590,911	406,610	201,540	108,491

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	706	721	765	1,113	1,697	3,863	8,552	8,087
Alaska	531	499	589	883	1,473	2,174	2,212	2,743
Arizona	978	1,066	1,320	1,821	2,191	3,201	4,276	7,436
Arkansas	557	598	667	942	1,634	4,846	7,718	8,080
California	17,399	18,932	20,889	27,358	29,622	32,140	40,902	60,216
Colorado	2,403	2,633	3,115	7,343	8,503	12,871	16,449	21,591
Connecticut	970	1,089	1,330	2,112	4,766	8,749	10,279	10,035
Delaware	178	175	194	289	754	2,076	2,533	2,665
District of Columbia	262	264	256	456	866	2,046	2,886	3,166
Florida	643	844	880	946	1,246	1,397	2,502	2,518
Georgia	3,751	3,663	3,679	4,354	5,538	12,196	26,723	26,214
Hawaii	43	45	46	46	54	51	52	60
Idaho	367	494	521	900	1,736	2,203	2,701	4,346
Illinois	7,790	7,959	9,419	13,194	26,783	54,278	85,540	82,554
Indiana	2,008	2,172	2,309	3,713	8,643	18,560	29,649	29,303
Iowa	1,052	1,189	1,394	2,157	4,112	7,952	13,542	13,093
Kansas	1,442	1,151	1,380	1,854	2,529	7,324	11,566	12,843
Kentucky	889	899	900	1,217	2,309	7,078	12,025	11,564
Louisiana	1,205	1,295	1,288	1,679	1,884	4,337	7,572	8,561
Maine	48	49	71	95	224	404	529	526
Maryland	1,580	1,657	1,783	2,200	4,975	12,967	19,141	18,521
Massachusetts	2,463	2,641	3,330	4,364	10,124	20,986	26,240	26,072
Michigan	5,872	5,572	6,616	10,476	22,109	42,465	68,402	64,293
Minnesota	2,553	2,292	2,435	3,958	8,178	15,011	23,784	23,468
Mississippi	589	620	652	718	1,060	3,058	4,909	5,799
Missouri	1,729	1,595	1,807	2,514	6,206	15,779	20,729	19,731
Montana	381	385	404	909	1,457	1,959	2,620	3,317
Nebraska	695	809	971	1,343	2,137	4,219	6,971	7,214
Nevada	1,189	1,120	1,497	1,901	2,366	3,384	4,287	7,046
New Hampshire	146	151	186	244	596	1,197	1,665	1,691
New Jersey	4,589	5,481	6,160	8,995	21,273	41,241	50,550	47,059
New Mexico	840	808	1,262	1,572	1,919	3,422	5,014	6,249
New York	10,144	10,330	13,069	18,251	36,470	74,731	91,107	89,006
North Carolina	1,214	1,016	1,123	1,308	2,814	7,387	17,363	15,464
North Dakota	209	168	205	447	720	1,277	2,055	2,006
Ohio	4,717	5,012	6,095	9,819	22,267	47,720	61,207	58,799
Oklahoma	1,227	1,204	1,328	1,937	2,647	6,955	12,794	13,215
Oregon	821	840	963	1,694	3,242	3,525	4,166	6,219
Pennsylvania	4,063	4,148	5,380	7,626	17,159	37,965	51,857	48,403
Rhode Island	404	437	498	577	1,426	3,296	4,154	4,211
South Carolina	531	520	514	712	1,104	3,299	7,323	7,182
South Dakota	219	190	278	508	783	1,358	2,162	2,357
Tennessee	995	1,033	1,202	1,606	3,088	9,122	18,022	16,604
Texas	4,875	6,479	6,360	6,857	10,986	34,514	36,891	53,622
Utah	1,555	1,634	1,958	3,129	4,515	5,112	6,449	10,176
Vermont	74	89	107	156	367	610	760	725
Virginia	1,475	1,526	1,649	2,226	4,750	13,596	20,861	19,331
Washington	1,637	1,700	1,914	3,103	5,971	7,225	8,079	11,781
West Virginia	337	243	416	668	1,631	4,563	5,640	5,121
Wisconsin	2,310	2,478	2,481	4,550	9,496	16,213	27,502	25,705
Wyoming	199	244	410	731	888	1,177	1,457	1,966
Total	102,855	108,160	124,066	177,570	319,285	633,081	902,364	937,954

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

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017
(million cubic feet)

State	2017	2016	2015					
	11-Month YTD	11-Month YTD	11-Month YTD	November	October	September	August	2017 July
Alabama	NA	20,238	22,740	2,647	2,029	1,252	1,132	1,070
Alaska	13,518	13,676	16,003	1,824	1,184	707	548	498
Arizona	NA	27,283	26,405	2,555	2,169	1,918	NA	1,866
Arkansas	NA	39,578	42,732	4,240	3,589	2,842	2,822	2,634
California	207,144	208,097	206,307	21,552	19,225	15,926	16,058	14,802
Colorado	44,586	45,198	44,785	5,443	3,820	1,901	1,733	1,657
Connecticut	45,886	43,152	47,538	5,327	2,844	2,532	2,461	2,479
Delaware	11,089	10,475	10,497	1,457	832	649	571	498
District of Columbia	NA	13,637	15,503	NA	930	757	766	788
Florida	56,283	56,615	54,873	5,264	4,853	4,558	4,558	4,500
Georgia	40,806	43,686	48,550	5,243	3,346	2,237	2,219	2,172
Hawaii	NA	1,756	1,742	167	164	162	166	159
Idaho	16,606	14,324	13,896	1,894	1,473	930	722	694
Illinois	180,356	177,486	190,795	22,270	13,703	8,823	8,059	7,696
Indiana	61,635	60,840	69,226	8,404	R5,004	R2,769	R2,394	2,234
Iowa	42,500	41,044	42,801	5,911	3,653	1,831	1,604	1,623
Kansas	30,694	28,841	32,191	3,503	2,450	1,782	1,846	1,671
Kentucky	26,582	27,599	31,700	3,767	2,048	1,380	1,138	1,043
Louisiana	NA	25,528	27,353	2,763	2,296	1,874	1,990	1,868
Maine	7,520	7,240	9,066	888	391	306	297	296
Maryland	NA	60,742	63,561	7,173	3,774	3,182	3,222	NA
Massachusetts	95,129	89,369	95,183	12,141	5,866	4,301	4,232	3,979
Michigan	138,769	133,973	150,553	17,234	8,349	6,070	5,516	5,112
Minnesota	83,517	77,756	80,570	11,208	5,525	3,085	2,885	2,878
Mississippi	14,966	15,758	17,924	1,761	1,456	1,013	981	890
Missouri	NA	46,905	54,032	5,737	2,751	2,310	2,240	2,041
Montana	19,979	17,367	16,398	2,660	1,694	1,016	690	675
Nebraska	26,062	22,079	25,347	3,144	R1,751	1,078	1,109	1,075
Nevada	27,905	27,123	25,827	2,634	2,280	1,885	1,689	1,743
New Hampshire	7,755	7,023	8,580	1,084	407	256	269	201
New Jersey	NA	129,497	149,619	13,303	7,693	7,044	6,049	R5,590
New Mexico	20,387	20,973	20,922	2,802	1,869	1,145	1,134	1,061
New York	269,078	260,801	282,221	31,863	17,487	14,931	15,092	14,359
North Carolina	NA	48,407	50,712	5,709	3,831	2,710	2,657	NA
North Dakota	11,068	9,466	10,518	1,612	885	466	356	310
Ohio	125,897	128,313	150,400	17,276	8,997	5,412	5,026	4,606
Oklahoma	31,808	31,478	36,351	3,614	2,198	1,676	1,667	1,542
Oregon	26,692	21,612	21,443	3,154	2,146	1,140	846	885
Pennsylvania	NA	119,397	137,252	NA	7,957	5,088	4,814	4,907
Rhode Island	9,414	8,901	10,885	1,184	459	258	263	268
South Carolina	20,038	20,893	21,858	2,388	1,802	1,329	1,316	1,407
South Dakota	8,958	8,471	8,888	1,167	697	364	300	299
Tennessee	41,071	41,781	47,857	5,682	3,303	2,451	2,177	2,110
Texas	NA	144,503	156,968	13,992	12,199	10,331	10,451	10,488
Utah	32,904	32,034	28,814	4,292	2,720	1,398	1,166	1,248
Vermont	NA	5,406	5,336	759	405	346	320	295
Virginia	NA	59,192	62,906	6,662	4,116	3,323	3,160	NA
Washington	50,934	42,932	42,259	6,069	4,242	2,482	2,144	2,194
West Virginia	18,594	19,547	20,973	2,247	1,365	1,063	1,005	952
Wisconsin	75,287	74,073	79,827	9,969	5,154	3,011	3,133	2,869
Wyoming	NA	11,168	10,543	1,339	1,035	NA	477	423
Total	2,688,946	2,643,234	2,849,228	323,656	R200,418	R145,749	R139,344	R133,855

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	NA	NA	NA	2,339	2,121	3,075	23,552	3,314
Alaska	528	852	1,149	2,045	1,850	2,333	15,953	2,277
Arizona	1,970	2,289	2,541	2,949	3,412	4,012	30,938	3,655
Arkansas	2,677	NA	3,026	4,379	4,508	6,283	45,810	6,232
California	14,653	16,097	17,114	19,797	22,215	29,705	236,967	28,870
Colorado	1,760	3,101	4,084	5,265	6,275	9,547	54,265	9,066
Connecticut	2,354	2,779	3,884	7,148	6,442	7,635	50,258	7,106
Delaware	559	717	747	1,685	1,497	1,877	12,340	1,865
District of Columbia	784	933	1,005	1,697	1,499	1,976	15,648	2,011
Florida	4,662	4,926	5,317	5,892	5,491	6,261	62,526	5,911
Georgia	2,223	2,601	2,827	5,440	5,210	7,289	51,325	7,639
Hawaii	NA	157	164	173	164	185	1,926	170
Idaho	709	945	1,330	1,740	2,456	3,714	17,598	3,274
Illinois	7,567	12,884	13,530	25,935	24,500	35,389	212,482	34,996
Indiana	2,441	3,578	4,425	9,282	8,366	12,736	74,131	13,291
Iowa	1,781	2,319	3,328	5,890	6,097	8,460	49,414	8,370
Kansas	1,658	1,874	2,630	3,579	3,652	6,048	34,762	5,921
Kentucky	1,101	1,339	1,662	3,889	3,822	5,391	33,520	5,921
Louisiana	NA	2,113	2,147	2,701	2,386	3,307	28,931	3,403
Maine	325	472	712	1,322	1,177	1,334	8,559	1,319
Maryland	2,967	4,094	4,183	9,413	7,893	10,188	70,500	9,758
Massachusetts	4,120	6,084	7,681	16,774	13,799	16,151	104,850	15,481
Michigan	6,084	8,967	11,420	22,292	21,160	26,565	158,630	24,656
Minnesota	3,137	4,883	7,512	12,382	12,973	17,049	92,529	14,773
Mississippi	905	1,103	990	1,780	1,708	2,379	18,126	2,368
Missouri	2,196	2,786	3,243	6,391	NA	10,361	56,967	10,062
Montana	758	1,102	1,722	2,492	3,048	4,123	21,314	3,947
Nebraska	1,256	1,573	2,224	3,315	4,006	5,531	26,971	4,892
Nevada	1,891	2,169	2,573	3,061	3,493	4,488	31,125	4,003
New Hampshire	251	446	592	1,509	1,222	1,517	8,509	1,486
New Jersey	6,216	7,843	9,544	21,049	18,310	NA	153,096	23,599
New Mexico	1,010	1,275	1,718	1,957	2,477	3,938	24,954	3,981
New York	14,733	18,286	21,629	41,538	36,890	42,269	300,588	39,787
North Carolina	2,341	2,946	2,945	6,106	5,093	7,501	55,876	7,469
North Dakota	324	494	902	1,662	1,723	2,333	11,810	2,344
Ohio	4,955	7,067	8,316	20,541	18,469	25,232	152,478	24,165
Oklahoma	1,640	1,957	2,426	3,545	4,432	7,113	38,510	7,033
Oregon	1,188	1,664	2,452	3,299	4,087	5,831	26,667	5,055
Pennsylvania	5,168	7,497	9,282	20,924	19,194	23,371	142,724	23,326
Rhode Island	305	550	769	1,932	1,540	1,887	10,744	1,843
South Carolina	1,287	1,524	1,505	2,510	2,129	2,841	23,734	2,840
South Dakota	337	483	748	1,281	1,330	1,952	10,439	1,968
Tennessee	2,179	2,628	2,572	5,369	5,277	7,323	49,810	8,029
Texas	10,237	11,270	12,197	14,673	NA	NA	164,306	19,803
Utah	1,682	1,908	3,089	3,331	4,490	7,579	39,066	7,032
Vermont	NA	336	379	782	685	822	6,251	845
Virginia	2,858	3,752	3,919	7,960	6,983	9,383	67,553	8,360
Washington	2,433	3,461	4,726	6,353	7,399	9,432	51,634	8,702
West Virginia	1,002	1,201	1,533	2,710	2,495	3,021	22,698	3,151
Wisconsin	3,054	4,477	6,288	11,194	10,826	15,314	88,701	14,628
Wyoming	535	965	1,128	1,748	1,920	2,448	13,425	2,257
Total	138,327	179,168	213,130	373,019	361,251	481,030	3,105,487	462,253

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017

(million cubic feet) – continued

State								2016
	November	October	September	August	July	June	May	April
Alabama	2,275	1,505	1,029	1,046	1,008	1,172	1,236	1,487
Alaska	1,986	1,400	866	639	566	664	826	1,201
Arizona	2,662	1,998	1,804	1,771	1,783	1,923	2,180	2,477
Arkansas	4,036	3,025	2,733	2,603	2,469	2,562	2,880	3,144
California	22,310	17,301	16,692	17,658	15,665	16,004	16,480	17,220
Colorado	5,115	2,824	1,813	1,495	1,638	1,834	3,121	4,605
Connecticut	4,847	3,180	2,466	2,462	2,444	2,106	2,826	3,746
Delaware	1,259	862	596	566	519	516	668	898
District of Columbia	1,577	898	675	699	688	639	877	1,222
Florida	5,251	4,707	4,552	4,284	4,640	4,548	4,880	5,280
Georgia	4,603	2,574	2,086	2,066	2,006	2,051	2,437	3,220
Hawaii	165	162	171	163	155	154	151	162
Idaho	1,658	1,266	811	712	668	664	865	1,009
Illinois	17,390	12,701	8,285	8,004	7,989	7,350	10,639	16,018
Indiana	6,367	4,327	2,719	2,493	2,087	2,176	3,276	5,161
Iowa	4,182	2,970	2,052	1,826	1,758	1,604	2,134	3,532
Kansas	2,682	1,968	1,540	1,563	1,512	1,628	1,960	2,102
Kentucky	2,990	1,697	1,176	1,126	1,065	1,012	1,522	1,798
Louisiana	2,448	2,095	1,903	1,970	1,785	1,816	2,110	2,137
Maine	771	523	291	280	284	311	471	789
Maryland	6,917	4,184	3,228	2,978	2,882	3,249	4,159	5,515
Massachusetts	10,334	7,338	4,424	4,205	3,926	3,830	5,716	8,832
Michigan	13,188	8,231	5,366	5,189	5,033	5,240	8,587	14,404
Minnesota	8,027	5,388	2,946	2,838	2,672	3,073	4,571	7,286
Mississippi	1,610	1,096	988	972	948	1,158	1,191	1,018
Missouri	5,473	2,951	1,981	2,119	2,040	2,034	2,666	3,235
Montana	2,238	1,556	934	742	732	764	1,136	1,461
Nebraska	2,339	1,259	954	930	960	1,048	1,267	1,817
Nevada	2,639	2,154	1,836	1,723	1,771	1,783	2,183	2,421
New Hampshire	892	365	234	203	200	248	381	716
New Jersey	11,716	7,835	7,339	8,213	8,165	7,963	8,929	11,456
New Mexico	3,335	1,535	1,170	1,053	1,009	1,117	1,249	1,558
New York	27,178	20,612	14,883	16,258	14,940	14,800	16,724	23,130
North Carolina	5,301	3,359	2,791	2,790	2,584	2,582	2,878	3,743
North Dakota	1,034	795	356	300	303	296	422	1,026
Ohio	14,606	8,566	4,898	4,902	4,193	4,162	6,640	12,084
Oklahoma	2,991	1,952	1,683	1,638	1,480	1,558	2,083	2,206
Oregon	2,520	1,949	1,071	697	926	1,046	1,318	1,797
Pennsylvania	13,681	8,461	4,846	4,608	4,420	4,911	6,756	10,707
Rhode Island	1,019	572	233	167	174	234	549	977
South Carolina	2,424	1,588	1,284	1,300	1,135	1,255	1,395	1,849
South Dakota	964	590	349	298	299	302	482	820
Tennessee	4,716	2,548	2,049	1,956	1,947	1,945	2,522	2,854
Texas	12,852	10,574	9,927	9,923	9,968	11,212	10,433	12,963
Utah	4,221	1,971	1,358	1,036	1,245	1,083	2,026	2,794
Vermont	575	495	353	355	350	310	290	520
Virginia	7,392	4,448	2,939	2,755	2,736	3,135	3,411	5,150
Washington	4,816	3,829	2,517	2,191	2,289	2,466	2,854	3,114
West Virginia	2,079	1,356	1,007	1,016	1,075	998	1,226	1,656
Wisconsin	7,423	4,884	3,142	3,060	2,867	3,162	4,578	7,206
Wyoming	1,252	850	555	467	430	434	856	1,107
Total	280,328	191,273	141,901	140,306	134,427	138,131	171,017	232,634

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	1,813	3,085	4,582	25,162	2,421	2,372	1,549	1,201
Alaska	1,664	1,753	2,110	18,472	2,469	2,028	1,393	1,202
Arizona	2,789	3,422	4,474	30,536	4,131	3,015	1,918	1,709
Arkansas	4,237	5,574	6,314	47,651	4,918	4,033	3,163	2,654
California	20,551	21,465	26,750	235,791	29,484	26,091	16,134	15,078
Colorado	6,190	7,277	9,285	53,968	9,183	6,634	2,794	1,646
Connecticut	5,111	6,810	7,154	52,453	4,915	4,024	3,080	2,515
Delaware	1,071	1,595	1,926	11,731	1,234	1,117	852	453
District of Columbia	1,297	2,469	2,596	17,113	1,611	1,563	1,230	798
Florida	5,668	6,134	6,672	60,233	5,360	4,938	4,738	4,206
Georgia	4,391	7,910	10,340	53,745	5,195	4,704	3,165	2,421
Hawaii	157	155	159	1,908	167	148	152	153
Idaho	1,733	2,111	2,827	16,708	2,812	2,140	1,102	718
Illinois	21,673	31,000	36,435	215,218	24,423	18,019	12,469	7,827
Indiana	6,490	11,408	14,337	77,552	8,326	6,376	4,689	2,766
Iowa	4,934	7,130	8,921	49,165	6,364	4,259	3,103	1,748
Kansas	2,925	4,639	6,322	37,047	4,856	2,976	2,551	1,927
Kentucky	3,178	5,410	6,625	35,435	3,735	3,061	1,788	1,208
Louisiana	2,248	2,778	4,238	30,270	2,917	2,739	2,247	2,175
Maine	1,018	1,168	1,333	10,072	1,006	816	597	435
Maryland	6,514	9,691	11,425	70,199	6,638	5,903	4,720	2,962
Massachusetts	10,662	13,977	16,124	105,171	9,988	9,161	7,299	3,972
Michigan	18,469	24,381	25,883	168,360	17,807	13,062	9,169	5,182
Minnesota	10,258	14,105	16,593	93,005	12,435	8,304	5,158	2,760
Mississippi	1,434	2,207	3,137	19,727	1,803	1,744	1,304	1,169
Missouri	5,204	8,516	10,685	61,389	7,357	5,298	3,331	2,112
Montana	2,230	2,390	3,184	19,502	3,104	2,504	1,157	687
Nebraska	2,565	3,846	5,094	29,464	4,117	2,718	1,616	964
Nevada	2,801	3,408	4,404	29,873	4,045	3,114	1,977	1,674
New Hampshire	962	1,283	1,539	9,630	1,050	850	389	240
New Jersey	15,021	19,959	22,901	163,223	13,604	11,164	8,406	7,123
New Mexico	2,196	2,813	3,940	25,038	4,115	3,137	1,608	1,053
New York	28,014	39,025	45,237	311,207	28,987	24,517	19,000	14,008
North Carolina	4,280	7,912	10,185	55,114	4,403	5,334	4,116	2,889
North Dakota	1,189	1,629	2,115	12,317	1,799	1,208	664	320
Ohio	14,927	23,498	29,839	166,602	16,202	12,682	9,078	4,465
Oklahoma	3,428	5,052	7,407	41,982	5,631	3,758	2,030	1,599
Oregon	2,922	3,165	4,202	25,602	4,159	3,326	1,499	1,175
Pennsylvania	13,278	21,407	26,322	152,091	14,839	12,873	9,859	5,197
Rhode Island	1,247	1,747	1,983	12,016	1,132	1,030	638	247
South Carolina	1,845	2,982	3,836	23,752	1,894	2,122	1,815	1,371
South Dakota	1,053	1,395	1,918	10,434	1,546	1,114	565	312
Tennessee	4,181	7,280	9,785	53,049	5,192	4,635	3,033	2,225
Texas	14,493	18,720	23,439	175,883	18,914	13,714	10,532	9,633
Utah	4,002	5,361	6,937	35,772	6,958	4,785	1,491	1,003
Vermont	523	724	911	5,918	583	554	520	334
Virginia	6,295	9,336	11,595	69,107	6,201	6,155	4,889	3,592
Washington	5,553	5,868	7,436	49,939	7,681	6,040	3,218	2,520
West Virginia	2,326	3,060	3,747	23,026	2,053	1,965	1,580	1,131
Wisconsin	9,266	13,211	15,274	90,175	10,348	7,772	4,983	2,866
Wyoming	1,521	1,635	2,061	12,937	2,395	1,637	604	503
Total	297,803	412,876	502,539	3,201,734	352,506	283,231	194,961	138,126

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	1,147	1,117	1,114	1,418	1,446	2,148	4,712	4,516
Alaska	717	662	574	1,147	1,548	2,268	1,992	2,473
Arizona	1,651	1,758	1,878	2,204	2,422	2,786	3,083	3,981
Arkansas	2,517	2,388	2,405	2,654	3,183	5,328	7,068	7,338
California	16,351	15,782	16,147	19,132	18,080	18,893	19,598	25,021
Colorado	1,408	1,521	1,953	3,507	3,869	5,455	7,064	8,934
Connecticut	2,451	2,321	2,239	2,611	4,444	7,321	8,272	8,259
Delaware	429	393	429	422	770	1,504	2,097	2,031
District of Columbia	770	712	821	725	1,010	2,184	2,648	3,043
Florida	4,405	4,483	4,668	4,571	5,074	5,402	6,078	6,311
Georgia	2,277	2,162	2,094	2,626	3,298	5,480	10,135	10,187
Hawaii	156	159	154	151	168	165	157	179
Idaho	603	627	685	850	1,235	1,477	1,770	2,687
Illinois	7,840	7,358	7,293	9,179	15,102	27,346	39,507	38,856
Indiana	2,171	2,357	2,309	2,726	5,094	9,954	15,393	15,390
Iowa	1,495	1,597	1,804	2,108	3,158	5,800	9,104	8,625
Kansas	2,149	1,709	1,288	1,722	1,900	3,805	5,825	6,338
Kentucky	1,205	1,192	1,125	1,202	1,739	4,345	7,562	7,275
Louisiana	1,868	1,772	1,869	2,068	2,032	2,553	3,738	4,292
Maine	428	417	407	389	833	1,405	1,665	1,676
Maryland	2,986	2,943	2,840	2,956	4,954	9,783	11,814	11,699
Massachusetts	3,869	3,883	4,033	4,407	7,663	14,506	18,213	18,175
Michigan	5,372	5,034	5,423	7,299	13,744	23,965	31,717	30,587
Minnesota	2,884	2,516	2,609	3,970	6,600	11,399	17,900	16,471
Mississippi	1,046	961	1,015	1,068	1,130	2,148	3,007	3,332
Missouri	2,161	1,881	1,840	2,368	4,330	8,620	11,594	10,496
Montana	582	595	583	988	1,404	2,060	2,586	3,252
Nebraska	1,044	1,264	1,281	1,460	1,957	3,127	4,904	5,012
Nevada	1,722	1,610	1,839	2,119	2,411	2,642	2,902	3,817
New Hampshire	233	229	274	308	673	1,455	1,955	1,975
New Jersey	7,173	7,475	6,556	7,304	15,286	22,572	28,279	28,280
New Mexico	1,068	980	1,240	1,356	1,488	2,093	3,063	3,836
New York	14,826	14,458	13,026	15,674	22,349	41,824	50,726	51,813
North Carolina	2,452	2,487	2,867	2,488	3,421	5,408	10,110	9,139
North Dakota	310	307	313	580	833	1,491	2,229	2,264
Ohio	4,716	4,679	5,217	6,476	12,865	24,200	33,326	32,696
Oklahoma	1,566	1,530	1,541	1,941	2,349	4,768	7,445	7,824
Oregon	916	934	974	1,539	2,193	2,373	2,770	3,745
Pennsylvania	4,642	4,390	5,155	5,766	10,553	21,190	29,768	27,858
Rhode Island	253	262	309	385	872	1,949	2,477	2,463
South Carolina	1,380	1,316	1,299	1,516	1,585	2,153	3,690	3,611
South Dakota	310	305	323	498	672	1,103	1,771	1,916
Tennessee	2,057	2,040	2,141	2,453	2,928	5,638	10,806	9,901
Texas	9,420	10,649	10,620	10,214	12,629	20,419	21,751	27,388
Utah	1,170	1,181	1,387	2,168	3,027	3,004	3,979	5,620
Vermont	316	340	323	204	370	675	810	889
Virginia	2,646	2,716	2,644	2,813	4,015	8,607	12,727	12,102
Washington	1,994	2,067	2,406	2,940	4,169	4,776	5,302	6,825
West Virginia	869	1,003	813	1,128	1,740	3,181	3,870	3,693
Wisconsin	2,963	2,781	2,840	3,791	6,601	11,827	16,777	16,627
Wyoming	298	422	461	919	986	1,196	1,603	1,913
Total	135,279	133,728	135,446	160,511	232,201	385,772	517,341	532,631

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

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017
(million cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD						2017
				November	October	September	August	July	
Alabama	177,973	175,426	171,101	16,467	15,831	15,288	15,869	15,719	
Alaska	3,726	3,801	4,441	303	237	213	238	198	
Arizona	NA	17,852	18,373	NA	1,576	1,389	1,376	1,333	
Arkansas	82,619	79,362	77,986	7,761	7,934	7,082	7,217	6,887	
California	693,034	708,012	710,193	61,958	64,442	67,212	68,890	64,201	
Colorado	73,066	70,982	69,239	7,560	6,699	4,905	5,228	5,091	
Connecticut	21,943	21,600	23,418	2,348	1,663	1,664	1,736	1,749	
Delaware	NA	28,681	30,086	2,534	2,647	NA	2,492	2,271	
District of Columbia	0	0	0	0	0	0	0	0	
Florida	92,580	94,432	87,269	8,923	8,788	7,218	8,184	8,033	
Georgia	138,191	138,825	144,513	13,361	12,266	10,523	12,720	12,355	
Hawaii	494	500	406	43	40	48	48	45	
Idaho ^a	32,393	30,973	28,265	3,329	3,251	2,703	2,262	2,472	
Illinois	225,228	227,627	241,398	24,437	20,513	17,878	17,826	16,732	
Indiana	330,553	333,537	339,131	32,016	28,552	28,487	28,005	27,598	
Iowa	NA	169,469	162,970	19,859	NA	17,226	17,992	17,845	
Kansas	115,449	111,217	108,668	11,272	9,341	10,251	11,045	11,725	
Kentucky	102,468	104,106	106,524	10,120	9,157	8,208	8,405	8,020	
Louisiana	994,523	954,898	864,198	95,417	93,437	89,505	93,101	90,495	
Maine	15,326	17,459	19,446	1,718	1,349	1,281	1,221	1,240	
Maryland	14,123	13,734	13,452	1,537	1,249	1,199	1,127	1,177	
Massachusetts	NA	40,512	40,511	4,131	NA	2,745	2,517	2,489	
Michigan	153,527	153,563	155,640	15,594	14,327	11,480	11,967	10,799	
Minnesota	150,394	146,825	141,856	14,748	12,882	12,335	12,894	12,236	
Mississippi	117,720	105,378	111,325	11,347	10,549	10,537	10,730	10,169	
Missouri	56,773	56,896	59,533	5,663	5,146	4,346	4,594	4,402	
Montana	NA	19,353	19,742	NA	NA	1,963	1,815	1,709	
Nebraska	NA	82,632	78,443	NA	7,800	6,666	7,147	7,586	
Nevada	17,420	16,504	16,257	1,644	1,735	1,528	1,579	1,453	
New Hampshire	7,711	7,684	7,643	737	653	611	594	611	
New Jersey	NA	55,531	51,157	NA	NA	NA	NA	NA	
New Mexico	NA	14,585	16,366	NA	1,361	1,247	1,292	1,298	
New York	74,152	68,830	76,374	8,445	6,658	5,750	5,799	5,636	
North Carolina	96,661	95,875	96,053	10,198	9,445	8,158	8,421	7,806	
North Dakota	29,714	28,611	29,283	2,677	2,735	1,849	2,563	2,578	
Ohio	251,160	247,660	252,631	25,474	21,444	20,576	19,580	19,227	
Oklahoma	183,196	174,675	166,615	16,352	17,110	16,445	16,196	15,656	
Oregon	53,388	52,055	48,496	4,864	4,969	4,430	4,335	4,200	
Pennsylvania	197,668	191,586	193,732	20,006	17,721	16,453	16,635	15,739	
Rhode Island	NA	7,740	7,882	709	641	673	672	644	
South Carolina	83,617	80,189	76,960	8,559	8,087	7,079	7,468	7,016	
South Dakota	41,046	40,462	40,222	3,979	3,515	3,539	3,615	3,573	
Tennessee	121,362	110,789	104,839	10,813	10,587	10,356	10,842	10,423	
Texas	NA	1,495,356	1,460,687	145,693	NA	131,222	140,826	143,670	
Utah	36,135	35,108	33,620	3,380	2,947	3,048	2,907	3,035	
Vermont	1,965	1,954	1,853	204	166	158	164	158	
Virginia	NA	80,753	79,632	8,089	7,390	7,361	7,250	NA	
Washington	72,785	71,372	69,007	6,987	7,281	6,274	6,074	5,922	
West Virginia	31,630	28,888	23,084	3,133	2,905	2,771	2,822	2,686	
Wisconsin	135,954	127,374	123,808	14,813	12,037	10,346	10,834	10,166	
Wyoming	46,843	47,637	43,041	4,437	4,201	4,013	3,954	3,795	
Total	7,142,576	6,988,872	6,847,371	690,723	652,681	613,266	634,844	622,985	

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	15,813	16,313	15,892	17,421	15,519	17,843	192,424	16,998
Alaska	338	370	399	469	464	497	4,268	466
Arizona	1,350	1,562	1,585	1,756	1,782	2,067	19,765	1,914
Arkansas	7,073	7,490	7,215	7,685	7,626	8,647	87,876	8,515
California	60,178	62,230	60,226	62,828	56,739	64,131	774,504	66,492
Colorado	5,196	6,455	6,862	7,536	7,618	9,916	80,432	9,450
Connecticut	1,690	1,755	1,847	2,632	2,216	2,643	24,271	2,672
Delaware	2,424	2,316	NA	2,353	2,657	2,888	31,457	2,776
District of Columbia	0	0	0	0	0	0	0	0
Florida	7,672	8,370	8,295	9,171	8,170	9,755	103,658	9,226
Georgia	12,729	12,484	11,912	13,925	12,308	13,608	152,312	13,487
Hawaii	45	46	42	47	42	48	542	42
Idaho ^a	2,455	2,741	2,819	3,183	3,276	3,901	34,761	3,788
Illinois	17,032	18,843	19,630	23,228	22,437	26,671	254,682	27,055
Indiana	26,309	27,923	29,677	33,846	31,613	36,527	370,944	37,406
Iowa	17,647	18,182	17,984	20,009	18,149	20,042	189,618	20,149
Kansas	10,162	9,180	9,756	10,585	9,833	12,297	123,915	12,699
Kentucky	8,492	9,215	9,052	10,458	9,881	11,459	115,201	11,095
Louisiana	88,526	89,125	87,863	90,263	82,437	94,354	1,048,751	93,853
Maine	1,133	1,171	1,375	1,595	1,534	1,709	18,983	1,524
Maryland	1,287	1,228	1,035	1,528	1,275	1,482	15,400	1,666
Massachusetts	2,707	3,200	4,311	5,605	5,135	5,707	45,721	5,209
Michigan	10,846	12,433	13,052	17,541	16,396	19,092	172,010	18,447
Minnesota	12,610	12,849	13,729	14,907	14,732	16,471	162,818	15,993
Mississippi	10,208	10,849	10,556	11,143	10,406	11,226	116,117	10,739
Missouri	4,362	4,717	4,873	5,916	5,683	7,070	63,630	6,733
Montana	1,382	1,089	1,261	1,628	1,621	1,920	21,208	1,854
Nebraska	6,217	6,868	7,014	7,349	7,603	8,446	91,021	8,390
Nevada	1,481	1,469	1,524	1,671	1,516	1,819	18,327	1,824
New Hampshire	609	682	768	821	821	804	8,454	770
New Jersey	NA	4,343	NA	NA	4,957	5,391	60,910	5,379
New Mexico	1,253	1,310	NA	NA	1,244	1,548	16,109	1,523
New York	5,482	5,553	6,428	8,291	7,587	8,522	77,153	8,323
North Carolina	8,109	8,312	8,284	9,631	8,662	9,633	105,504	9,629
North Dakota	2,828	2,931	2,983	3,133	2,426	3,012	31,232	2,620
Ohio	18,812	21,307	22,548	26,962	26,017	29,212	275,358	27,698
Oklahoma	16,021	16,747	17,220	17,909	15,559	17,980	192,257	17,581
Oregon	4,467	4,819	4,854	5,288	5,171	5,991	57,760	5,705
Pennsylvania	16,016	16,784	17,082	21,013	19,014	21,205	212,253	20,668
Rhode Island	660	666	799	716	NA	806	8,474	734
South Carolina	7,159	7,454	7,232	8,114	7,278	8,170	88,148	7,958
South Dakota	3,554	3,648	3,616	3,916	3,796	4,296	44,570	4,108
Tennessee	10,618	10,984	10,625	11,930	11,638	12,546	122,952	12,163
Texas	140,620	133,666	130,797	139,913	131,228	NA	1,649,759	154,403
Utah	3,112	3,248	3,480	3,390	3,810	3,779	38,568	3,460
Vermont	158	158	167	215	196	222	2,172	217
Virginia	7,646	7,698	7,833	8,262	7,874	7,741	88,422	7,668
Washington	5,939	6,052	6,263	6,994	6,844	8,156	79,275	7,903
West Virginia	2,733	2,672	2,488	3,155	2,937	3,328	32,281	3,394
Wisconsin	9,878	10,958	11,636	14,939	13,691	16,657	143,214	15,840
Wyoming	3,838	4,193	4,394	4,732	4,416	4,868	52,810	5,173
Total	611,185	624,656	625,436	691,312	644,623	730,864	7,722,252	733,380

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016							
	November	October	September	August	July	June	May	April
Alabama	15,514	15,106	14,453	14,872	14,946	15,399	16,891	16,027
Alaska	493	538	436	261	307	363	261	183
Arizona	1,646	1,663	1,576	1,386	1,334	1,542	1,591	1,582
Arkansas	7,582	7,052	6,668	7,035	6,546	6,554	6,970	7,074
California	62,918	63,793	68,837	72,768	66,479	62,672	63,228	61,518
Colorado	7,220	6,110	5,167	5,246	5,118	4,984	6,141	6,625
Connecticut	2,213	1,745	1,663	1,733	1,685	1,602	1,714	1,921
Delaware	2,573	2,742	2,659	2,573	2,690	2,333	2,643	2,464
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,626	8,460	8,150	8,431	8,340	7,619	8,566	8,978
Georgia	12,619	12,635	11,517	11,720	11,880	11,832	12,657	12,370
Hawaii	41	43	44	56	54	41	47	42
Idaho ^a	3,171	3,117	2,659	2,252	2,524	2,136	2,462	2,492
Illinois	22,153	20,313	18,519	17,502	17,556	16,356	18,795	20,145
Indiana	28,292	24,639	27,077	27,962	29,016	29,034	31,204	31,458
Iowa	18,448	16,360	14,188	15,012	14,346	14,114	14,311	13,989
Kansas	9,872	9,120	8,356	12,156	11,049	9,324	9,217	9,344
Kentucky	10,031	9,001	8,199	8,561	8,169	8,237	9,171	9,448
Louisiana	88,012	85,534	84,515	87,369	88,600	85,219	87,933	85,740
Maine	1,403	1,697	1,590	1,588	1,569	1,414	1,570	1,602
Maryland	1,146	1,281	997	1,207	1,219	1,063	1,202	1,264
Massachusetts	4,214	3,331	2,495	2,419	2,475	2,841	3,168	4,147
Michigan	14,564	13,226	12,155	11,473	10,754	11,263	11,856	14,586
Minnesota	13,769	12,018	10,879	12,090	12,203	11,722	12,508	13,345
Mississippi	9,932	8,328	8,676	9,571	9,591	9,839	9,772	9,647
Missouri	5,257	4,458	4,628	4,301	4,453	4,385	4,952	4,936
Montana	2,126	1,874	1,835	1,641	1,661	1,510	1,658	1,459
Nebraska	8,307	8,070	7,639	9,167	8,450	7,126	6,787	6,586
Nevada	1,517	1,628	1,510	1,440	1,392	1,427	1,477	1,511
New Hampshire	724	651	620	582	590	564	679	727
New Jersey	4,500	5,405	5,179	5,372	5,628	5,268	4,364	4,820
New Mexico	1,393	1,321	1,232	1,209	1,252	1,220	1,297	1,234
New York	6,779	6,129	5,336	5,568	5,203	5,138	4,925	6,674
North Carolina	8,938	8,625	7,700	8,370	7,741	7,668	8,439	8,635
North Dakota	3,009	3,179	2,848	2,037	2,194	2,768	2,795	2,091
Ohio	23,448	21,386	19,351	18,914	19,148	19,685	21,390	22,601
Oklahoma	15,480	14,948	13,765	15,638	15,794	15,675	17,306	16,339
Oregon	4,754	4,920	4,469	4,337	4,254	4,287	4,591	4,623
Pennsylvania	19,496	17,368	14,878	16,263	14,823	14,577	15,739	17,592
Rhode Island	677	694	742	662	605	652	691	728
South Carolina	7,852	7,159	6,862	6,901	6,771	7,010	7,448	7,464
South Dakota	3,953	3,565	3,536	3,661	3,401	3,386	3,480	3,645
Tennessee	10,537	9,993	9,343	9,639	9,293	9,496	9,395	9,550
Texas	140,134	137,211	136,921	143,214	142,470	128,372	128,639	126,880
Utah	3,201	3,130	2,995	2,735	2,822	3,036	3,073	3,569
Vermont	199	185	153	140	140	151	167	192
Virginia	7,547	6,455	7,527	7,427	7,350	7,190	6,896	7,176
Washington	6,687	7,137	6,414	5,964	6,013	5,731	5,758	6,304
West Virginia	3,284	3,013	2,712	2,576	2,697	2,406	2,093	2,300
Wisconsin	12,341	11,270	9,824	9,962	9,222	9,690	10,099	11,833
Wyoming	4,938	4,648	4,013	4,304	4,274	4,040	4,159	4,054
Total	653,529	622,274	603,507	627,266	616,091	589,960	612,176	619,514

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	16,858	16,678	18,682	186,819	15,719	15,146	15,339	14,943
Alaska	237	243	479	4,864	422	381	369	345
Arizona	1,708	1,793	2,030	20,402	2,029	1,882	1,604	1,446
Arkansas	7,566	7,708	8,607	85,287	7,301	7,201	6,903	6,342
California	62,640	58,879	64,280	777,102	66,909	63,511	64,415	65,899
Colorado	7,542	7,704	9,124	78,178	8,939	7,646	5,828	4,792
Connecticut	2,044	2,517	2,764	25,612	2,194	2,010	1,883	1,712
Delaware	2,666	2,517	2,821	33,126	3,040	2,682	2,590	2,448
District of Columbia	0	0	0	0	0	0	0	0
Florida	9,069	8,655	9,538	96,124	8,855	7,706	7,928	7,320
Georgia	13,414	13,814	14,369	157,937	13,423	13,324	13,742	12,274
Hawaii	41	44	47	442	36	36	43	37
Idaho ^a	3,184	3,333	3,644	31,664	3,399	3,311	3,028	2,561
Illinois	23,101	25,486	27,701	265,900	24,502	23,724	20,369	18,722
Indiana	33,807	34,114	36,935	372,537	33,407	29,891	28,801	26,669
Iowa	15,816	15,857	17,028	178,772	15,802	15,136	15,213	13,428
Kansas	10,327	10,669	11,783	121,064	12,396	9,972	9,125	8,723
Kentucky	10,354	10,915	12,020	116,524	10,000	9,814	8,890	8,512
Louisiana	88,206	83,387	90,384	949,421	85,222	81,626	79,578	77,875
Maine	1,802	1,543	1,681	20,972	1,526	1,510	1,670	1,590
Maryland	1,549	1,456	1,349	14,765	1,312	1,277	1,252	1,140
Massachusetts	4,560	5,283	5,579	44,554	4,043	4,042	3,051	2,574
Michigan	16,473	18,124	19,089	171,196	15,555	14,100	13,319	11,478
Minnesota	15,560	15,368	17,365	157,401	15,545	13,674	13,347	11,362
Mississippi	9,099	10,108	10,815	121,835	10,510	10,320	11,290	9,898
Missouri	5,551	7,118	6,858	65,691	6,158	5,560	4,912	4,551
Montana	1,690	1,845	2,055	21,920	2,178	2,009	1,878	1,714
Nebraska	6,724	6,532	7,243	85,604	7,161	7,848	7,320	6,508
Nevada	1,556	1,442	1,602	17,724	1,467	1,507	1,463	1,470
New Hampshire	805	868	873	8,386	743	709	619	605
New Jersey	4,189	4,745	6,059	55,368	4,211	4,575	4,156	4,079
New Mexico	1,437	1,448	1,541	17,937	1,571	1,613	1,476	1,345
New York	7,463	7,872	7,743	83,058	6,684	6,657	6,256	5,594
North Carolina	9,199	10,057	10,502	105,103	9,050	8,912	9,045	7,975
North Dakota	2,663	2,274	2,755	31,660	2,377	2,951	2,948	2,706
Ohio	24,828	27,209	29,701	276,004	23,373	22,474	20,128	18,521
Oklahoma	16,434	15,496	17,802	184,547	17,932	17,201	15,893	14,973
Oregon	5,100	4,997	5,724	53,632	5,136	4,720	4,273	3,990
Pennsylvania	19,232	20,513	21,106	212,050	18,318	17,002	16,747	15,240
Rhode Island	760	799	730	8,624	742	669	675	686
South Carolina	7,538	7,284	7,901	84,898	7,938	7,403	7,298	6,671
South Dakota	3,786	3,933	4,117	44,094	3,872	3,815	3,422	3,438
Tennessee	10,157	11,179	12,206	114,682	9,843	9,276	9,190	8,716
Texas	137,788	131,487	142,240	1,606,000	145,313	137,582	132,045	128,074
Utah	3,376	3,600	3,571	37,189	3,568	3,083	2,933	2,724
Vermont	204	204	220	2,040	188	178	188	150
Virginia	7,453	7,109	8,624	86,817	7,186	7,338	7,260	6,752
Washington	6,605	6,795	7,964	76,527	7,520	6,984	6,748	6,023
West Virginia	2,548	2,588	2,670	25,474	2,390	2,027	1,861	1,688
Wisconsin	12,944	14,219	15,969	136,709	12,901	12,329	10,777	9,133
Wyoming	4,405	4,263	4,539	47,667	4,626	4,196	3,906	3,644
Total	662,058	662,069	720,427	7,521,903	674,532	638,537	612,994	579,061

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	15,358	15,830	14,664	15,511	14,190	15,969	16,306	17,844
Alaska	402	390	376	397	395	439	450	497
Arizona	1,487	1,498	1,512	1,644	1,659	1,831	1,695	2,115
Arkansas	6,455	6,434	6,380	6,771	7,029	7,921	8,062	8,486
California	71,454	69,806	62,545	63,541	63,109	62,086	57,364	66,464
Colorado	4,996	5,000	4,872	5,976	6,060	7,135	8,041	8,894
Connecticut	1,804	1,736	1,733	1,816	2,082	2,936	2,728	2,978
Delaware	2,636	2,668	2,560	2,819	3,037	3,171	2,494	2,980
District of Columbia	0	0	0	0	0	0	0	0
Florida	7,298	7,605	7,572	8,064	7,994	8,562	8,416	8,804
Georgia	12,720	13,006	12,710	13,089	12,115	13,537	13,192	14,803
Hawaii	41	38	44	31	32	37	28	38
Idaho ^a	2,412	2,091	2,359	2,598	2,322	2,419	2,558	2,607
Illinois	18,717	19,614	18,206	19,770	20,616	24,665	27,785	29,210
Indiana	28,121	28,246	27,518	29,593	29,054	36,014	37,319	37,904
Iowa	13,991	13,797	13,627	14,433	13,906	15,493	16,578	17,368
Kansas	10,837	11,029	9,136	8,466	9,035	9,199	11,071	12,075
Kentucky	8,841	8,479	8,613	8,771	9,698	11,455	11,433	12,018
Louisiana	80,615	77,128	75,687	79,982	76,135	76,884	74,946	83,743
Maine	1,555	1,591	1,629	1,718	1,953	2,186	1,843	2,201
Maryland	927	1,123	1,168	1,141	1,135	1,351	1,353	1,584
Massachusetts	2,215	2,265	2,169	2,808	4,049	5,321	6,187	5,830
Michigan	11,210	11,139	10,687	11,570	14,382	17,712	19,139	20,906
Minnesota	10,324	10,333	10,718	11,133	13,355	15,419	15,370	16,822
Mississippi	9,646	9,717	9,893	9,642	9,617	9,983	10,327	10,991
Missouri	4,399	4,742	4,629	4,657	5,116	6,733	7,055	7,179
Montana	1,970	1,441	1,554	1,671	1,670	1,791	1,862	2,182
Nebraska	7,106	7,738	6,459	6,797	6,626	6,395	7,715	7,930
Nevada	1,463	1,425	1,386	1,438	1,558	1,546	1,376	1,625
New Hampshire	566	606	611	598	764	930	812	823
New Jersey	4,039	4,218	4,134	4,154	4,589	5,316	5,557	6,341
New Mexico	1,434	1,379	1,230	1,550	1,597	1,643	1,523	1,575
New York	5,803	5,279	5,363	5,776	7,332	9,509	9,427	9,379
North Carolina	8,155	7,855	7,794	8,132	8,546	9,856	9,375	10,411
North Dakota	2,519	1,999	2,452	2,835	2,510	2,940	2,687	2,736
Ohio	19,080	19,463	19,413	20,431	22,803	28,217	30,802	31,300
Oklahoma	13,427	12,251	12,772	15,911	15,171	15,918	15,206	17,893
Oregon	4,064	3,919	4,095	4,307	4,671	4,710	4,538	5,209
Pennsylvania	15,364	15,910	15,935	16,938	17,645	21,257	20,789	20,905
Rhode Island	673	650	666	701	848	760	826	728
South Carolina	6,802	6,697	6,700	6,892	7,121	7,647	6,119	7,611
South Dakota	3,534	3,499	3,571	3,524	3,706	3,722	3,967	4,025
Tennessee	8,767	8,574	8,801	8,581	9,194	10,717	11,510	11,513
Texas	135,975	133,700	130,022	134,880	129,764	133,061	125,336	140,247
Utah	2,755	2,744	2,994	3,073	3,092	3,152	3,483	3,586
Vermont	153	156	137	134	158	207	176	217
Virginia	7,360	7,286	7,320	7,646	7,711	6,605	6,805	7,550
Washington	5,633	5,370	5,698	5,995	6,187	6,874	6,249	7,246
West Virginia	1,846	1,757	1,916	1,874	2,245	2,672	2,669	2,529
Wisconsin	9,153	8,853	8,839	9,392	10,427	13,617	15,341	15,947
Wyoming	3,765	3,826	3,817	3,673	3,919	4,092	3,733	4,470
Total	599,867	591,900	574,682	602,843	607,933	661,612	659,623	718,319

^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.

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, 2015-2017

(million cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD					
				November	October	September	August	July
Alabama	357,572	384,303	364,177	30,797	31,966	35,944	41,897	43,172
Alaska	24,236	20,483	27,571	2,287	2,732	2,580	3,138	3,069
Arizona	207,369	246,016	230,880	12,775	21,599	24,790	31,187	34,007
Arkansas	120,553	129,196	102,735	6,956	10,548	10,804	14,136	16,777
California	547,011	618,640	742,936	47,991	58,558	62,644	78,129	67,144
Colorado	89,669	88,174	83,876	6,641	6,451	9,230	11,291	12,640
Connecticut	100,407	112,770	108,694	10,093	9,436	8,407	12,039	11,121
Delaware	W	51,664	43,199	2,284	3,731	3,858	W	5,647
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,113,108	1,104,089	1,067,349	86,469	106,730	112,526	128,095	125,048
Georgia	345,314	353,344	328,112	27,849	29,954	33,751	41,221	39,787
Hawaii	--	--	--	--	--	--	--	--
Idaho	18,127	22,205	24,853	1,608	2,041	1,996	2,458	2,477
Illinois	137,708	137,813	75,969	6,679	10,064	13,137	22,370	18,398
Indiana	142,180	144,852	114,469	12,361	12,400	14,250	16,466	15,957
Iowa	24,442	19,519	14,635	2,098	2,619	3,190	3,929	3,782
Kansas	21,889	19,393	13,977	1,709	2,540	2,058	2,867	4,014
Kentucky	W	61,487	48,391	7,594	5,382	6,771	W	11,052
Louisiana	250,589	311,852	311,255	16,068	26,079	25,762	29,257	30,189
Maine	W	21,593	16,595	W	W	W	W	W
Maryland	48,645	48,238	37,313	5,089	3,345	6,092	5,817	6,173
Massachusetts	152,437	149,327	147,706	9,766	12,163	13,588	18,380	17,721
Michigan	195,099	228,256	150,299	16,756	19,241	18,685	21,339	23,793
Minnesota	53,003	62,700	47,477	4,496	5,578	5,943	7,253	8,029
Mississippi	316,033	339,981	305,184	24,827	25,875	29,701	36,372	39,215
Missouri	W	47,534	35,745	3,325	W	5,375	W	6,893
Montana	4,668	W	5,769	340	434	532	726	634
Nebraska	5,246	6,162	4,126	282	319	587	769	1,514
Nevada	181,917	193,659	191,377	14,037	16,828	17,645	22,431	22,972
New Hampshire	24,546	31,641	39,967	1,850	1,668	3,324	3,468	2,923
New Jersey	262,113	305,943	261,440	18,334	22,015	24,065	28,161	32,064
New Mexico	69,497	76,755	71,258	4,903	5,994	6,607	7,726	9,184
New York	381,986	444,541	441,195	27,327	30,595	37,479	48,336	48,474
North Carolina	259,297	271,961	246,914	23,114	22,548	24,723	27,519	28,187
North Dakota	9,099	W	6,372	821	897	969	1,107	1,124
Ohio	197,491	196,117	191,101	19,978	15,727	18,423	25,877	22,371
Oklahoma	216,726	257,946	231,372	14,962	18,048	21,593	29,149	34,749
Oregon	76,942	94,730	101,732	8,347	10,570	9,397	11,688	9,826
Pennsylvania	413,364	462,103	402,205	32,053	46,193	45,191	48,923	50,166
Rhode Island	W	44,130	46,926	3,233	W	4,003	W	4,614
South Carolina	125,799	125,761	124,262	10,441	12,285	12,639	13,440	14,154
South Dakota	W	7,302	5,506	427	542	704	863	1,070
Tennessee	73,055	79,749	63,602	5,288	6,367	6,842	8,279	8,815
Texas	1,275,121	1,447,790	1,502,638	90,616	110,137	126,008	166,592	176,294
Utah	37,188	53,794	51,144	1,982	2,021	3,583	6,210	5,220
Vermont	11	12	19	1	*	1	1	*
Virginia	299,737	272,015	220,311	26,669	21,694	31,034	35,334	37,368
Washington	68,741	77,948	87,608	6,714	8,273	7,554	10,246	8,366
West Virginia	W	10,147	12,712	869	2,095	2,110	W	1,618
Wisconsin	94,290	113,773	90,651	8,004	10,286	10,795	12,360	13,674
Wyoming	W	W	1,161	90	55	116	219	293
Total	8,591,768	9,314,769	8,844,764	668,583	783,850	868,856	1,066,753	1,084,043

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017

(million cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	33,591	31,025	29,801	30,469	23,171	25,739	415,162	30,859
Alaska	1,801	1,399	1,513	1,916	1,469	2,331	22,236	1,753
Arizona	27,483	19,051	14,182	7,356	5,396	9,543	255,593	9,577
Arkansas	13,484	13,161	11,569	10,931	7,300	4,888	136,368	7,172
California	49,360	35,283	27,521	31,607	37,509	51,266	671,152	52,512
Colorado	8,923	7,270	7,365	5,883	5,680	8,294	95,419	7,245
Connecticut	7,979	6,615	7,006	9,416	8,141	10,154	122,240	9,470
Delaware	5,084	5,029	3,144	W	2,782	2,635	53,926	2,262
District of Columbia	--	--	--	--	--	--	--	--
Florida	109,711	110,111	93,621	90,376	72,844	77,579	1,180,649	76,560
Georgia	34,458	30,774	24,363	27,384	27,300	28,472	379,202	25,859
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,338	1,019	1,052	1,324	1,077	1,738	23,971	1,766
Illinois	13,099	8,923	6,684	23,656	7,353	7,346	146,175	8,363
Indiana	12,097	7,760	9,758	17,386	11,098	12,645	158,414	13,562
Iowa	1,971	1,451	1,612	1,256	952	1,583	20,233	713
Kansas	2,593	1,650	1,538	1,442	602	875	20,324	931
Kentucky	7,960	6,422	6,614	W	4,300	5,105	66,907	5,420
Louisiana	26,517	23,978	20,985	21,126	15,637	14,993	330,642	18,790
Maine	W	W	W	W	W	1,402	22,408	815
Maryland	4,681	3,332	3,833	5,643	2,682	1,958	49,059	822
Massachusetts	15,200	13,278	13,691	14,650	11,508	12,492	160,044	10,717
Michigan	17,753	15,869	13,874	19,052	12,298	16,439	243,612	15,356
Minnesota	3,962	3,118	2,997	3,812	2,921	4,894	65,606	2,906
Mississippi	30,524	30,359	25,308	29,513	18,726	25,613	367,456	27,475
Missouri	4,497	3,016	2,771	W	2,566	2,977	51,135	3,601
Montana	315	319	333	343	288	404	7,306	W
Nebraska	450	342	210	358	143	273	6,358	196
Nevada	19,268	14,576	11,953	12,859	13,168	16,181	209,610	15,951
New Hampshire	2,505	1,776	3,572	1,464	893	1,104	33,841	2,200
New Jersey	26,905	22,381	20,354	29,952	17,253	20,628	327,628	21,684
New Mexico	8,077	6,100	4,551	5,096	5,004	6,254	82,929	6,174
New York	38,265	28,579	25,878	39,652	26,506	30,895	477,867	33,326
North Carolina	24,252	22,040	18,342	24,794	21,761	22,017	293,669	21,708
North Dakota	762	628	629	675	624	862	9,347	W
Ohio	17,279	14,969	11,963	21,863	13,957	15,084	211,732	15,615
Oklahoma	24,981	18,725	16,893	12,881	10,643	14,103	274,388	16,442
Oregon	3,119	2,021	2,333	3,256	5,735	10,649	107,069	12,339
Pennsylvania	38,532	27,836	25,618	35,088	30,311	33,452	500,656	38,553
Rhode Island	3,866	3,333	3,115	W	2,631	2,886	46,974	2,844
South Carolina	11,977	12,862	11,243	9,969	8,918	7,872	133,130	7,370
South Dakota	448	352	W	452	270	490	7,574	272
Tennessee	7,194	3,698	6,534	9,805	5,088	5,145	87,680	7,931
Texas	142,345	111,652	98,180	93,044	74,403	85,850	1,538,663	90,872
Utah	3,671	2,511	2,201	2,215	2,677	4,897	58,008	4,215
Vermont	1	2	*	2	1	2	14	2
Virginia	33,500	23,281	19,436	26,385	22,227	22,809	292,826	20,812
Washington	3,610	3,454	4,301	4,373	4,100	7,749	85,403	7,455
West Virginia	1,065	492	W	W	W	W	10,311	164
Wisconsin	8,063	5,544	5,616	7,853	5,223	6,873	120,764	6,991
Wyoming	85	W	55	W	28	97	1,844	W
Total	856,397	708,833	626,093	724,188	556,381	647,792	9,983,526	668,757

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016							
	November	October	September	August	July	June	May	April
Alabama	30,500	31,962	40,587	43,505	44,566	39,282	33,335	26,636
Alaska	1,763	1,732	1,952	2,200	2,044	1,756	1,755	1,645
Arizona	12,145	20,806	28,593	36,059	36,512	31,063	20,260	18,623
Arkansas	10,868	9,109	9,207	16,405	16,341	17,250	12,184	10,509
California	51,615	62,951	64,501	79,709	73,374	63,255	40,618	37,567
Colorado	5,669	5,848	6,793	10,126	11,675	10,289	7,741	8,614
Connecticut	9,797	9,514	9,817	12,137	11,476	9,275	10,263	11,348
Delaware	3,572	5,346	5,237	7,089	7,425	6,001	3,953	4,602
District of Columbia	--	--	--	--	--	--	--	--
Florida	76,861	96,936	108,803	120,587	122,353	114,263	106,961	100,187
Georgia	23,972	26,061	31,785	41,363	43,098	39,628	33,268	30,528
Hawaii	--	--	--	--	--	--	--	--
Idaho	834	1,366	2,671	3,698	2,549	2,006	1,407	628
Illinois	8,308	11,710	12,872	20,063	23,039	13,253	9,676	9,615
Indiana	13,587	11,299	11,936	16,077	15,793	13,958	13,693	9,428
Iowa	575	942	1,249	3,628	3,162	2,131	2,456	801
Kansas	1,262	1,356	2,735	2,847	3,163	3,117	1,685	1,104
Kentucky	4,211	4,730	5,454	7,597	8,026	6,732	4,992	4,493
Louisiana	19,777	22,889	28,503	31,968	38,721	33,611	30,795	25,600
Maine	1,122	1,770	1,834	3,562	3,252	1,770	1,920	1,409
Maryland	570	3,308	5,414	10,307	9,671	3,730	3,879	3,569
Massachusetts	8,180	9,495	14,211	21,417	21,351	17,569	15,482	11,546
Michigan	16,947	16,857	17,992	31,130	26,034	21,500	22,478	23,125
Minnesota	3,268	3,282	3,332	10,302	8,556	6,111	6,207	5,853
Mississippi	21,372	27,273	36,326	37,854	39,659	36,139	31,831	22,528
Missouri	2,189	3,153	4,845	6,815	7,273	6,992	4,019	4,780
Montana	W	W	618	1,051	885	670	W	W
Nebraska	674	469	291	1,119	1,100	1,389	318	463
Nevada	15,667	15,257	17,112	21,887	22,567	21,319	17,106	14,939
New Hampshire	3,078	2,362	3,909	4,582	4,147	2,854	3,009	3,609
New Jersey	19,960	27,481	30,078	41,217	39,592	30,423	24,014	23,970
New Mexico	5,270	7,211	7,250	8,608	9,227	7,704	6,387	6,358
New York	28,853	32,503	45,082	64,329	59,588	44,619	39,743	33,273
North Carolina	23,813	18,622	24,204	30,092	29,132	23,889	21,936	23,986
North Dakota	607	691	828	1,315	1,155	898	688	W
Ohio	15,568	14,289	18,191	23,086	22,704	17,398	11,353	16,437
Oklahoma	20,889	18,559	25,575	29,527	33,632	31,430	22,843	20,250
Oregon	7,788	7,767	13,139	14,263	10,464	7,950	3,346	3,089
Pennsylvania	38,967	39,512	47,277	57,598	57,177	47,121	35,691	33,444
Rhode Island	2,903	2,968	4,439	5,686	5,963	4,761	5,004	2,937
South Carolina	13,620	10,992	13,848	14,771	15,788	12,229	10,143	6,915
South Dakota	512	473	556	1,139	1,031	745	605	687
Tennessee	3,688	6,423	8,879	10,415	10,109	9,257	6,235	5,147
Texas	96,452	111,658	144,557	174,935	171,002	151,685	132,544	117,577
Utah	3,313	4,019	4,423	6,023	6,322	6,069	5,071	5,259
Vermont	2	2	3	3	1	--	2	*
Virginia	20,785	18,007	27,967	38,099	36,703	29,100	21,704	13,489
Washington	4,674	5,017	10,717	12,266	9,735	6,145	5,028	2,787
West Virginia	386	1,662	1,150	686	680	1,309	1,666	1,100
Wisconsin	6,628	5,218	8,027	15,103	14,065	11,524	9,688	9,693
Wyoming	W	W	W	W	W	W	W	W
Total	663,538	741,360	914,908	1,154,593	1,142,161	971,342	805,702	721,262

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	30,764	29,216	33,949	397,498	33,320	31,415	31,618	33,206
Alaska	1,745	1,810	2,080	30,207	2,636	2,498	2,114	1,846
Arizona	14,134	12,550	15,271	248,369	17,489	17,648	24,377	30,919
Arkansas	12,760	5,899	8,663	109,553	6,818	5,446	4,135	8,588
California	37,493	47,121	60,436	805,933	62,996	59,144	83,347	87,498
Colorado	7,331	6,294	7,795	92,304	8,428	9,707	7,901	9,346
Connecticut	8,938	9,698	10,507	119,907	11,213	9,833	10,315	10,733
Delaware	3,856	2,385	2,200	45,450	2,251	2,318	3,189	5,018
District of Columbia	--	--	--	--	--	--	--	--
Florida	90,908	79,470	86,759	1,156,605	89,257	91,640	100,010	105,618
Georgia	29,405	25,637	28,597	355,698	27,586	27,518	29,598	30,598
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,760	2,412	2,873	27,710	2,857	2,236	2,510	2,900
Illinois	12,110	8,898	8,269	83,976	8,006	7,206	6,679	8,783
Indiana	13,879	11,811	13,392	127,964	13,496	11,416	8,621	7,777
Iowa	1,453	1,485	1,639	16,199	1,564	435	774	1,573
Kansas	947	510	667	14,624	647	664	513	1,457
Kentucky	6,026	3,711	5,514	51,723	3,333	5,309	6,086	4,825
Louisiana	27,286	24,777	27,924	342,506	31,251	29,293	29,206	27,478
Maine	607	1,896	2,451	18,034	1,439	1,815	2,524	1,591
Maryland	4,203	2,295	1,292	39,770	2,457	3,202	2,964	4,210
Massachusetts	10,627	9,811	9,641	156,795	9,089	8,386	14,089	16,911
Michigan	18,916	16,885	16,392	166,202	15,903	13,848	14,827	13,612
Minnesota	5,173	5,230	5,386	53,096	5,619	2,969	3,276	6,284
Mississippi	26,509	29,688	30,803	330,718	25,534	25,669	23,829	26,709
Missouri	2,543	2,547	2,379	38,633	2,887	2,285	1,620	3,403
Montana	553	578	636	6,558	789	591	514	59
Nebraska	150	101	87	4,255	129	149	102	433
Nevada	15,241	14,624	17,941	209,692	18,315	15,460	18,276	20,339
New Hampshire	749	1,145	2,196	42,673	2,706	3,795	3,375	3,922
New Jersey	24,419	21,012	23,777	283,447	22,007	23,683	23,585	29,315
New Mexico	6,092	5,806	6,840	78,337	7,078	5,614	6,130	6,610
New York	32,185	30,295	34,071	471,586	30,391	32,318	39,583	49,295
North Carolina	28,153	24,825	23,308	269,354	22,441	22,253	19,405	23,600
North Dakota	664	726	729	6,546	174	102	451	1,113
Ohio	18,110	19,207	19,773	208,222	17,120	15,766	13,674	17,698
Oklahoma	17,666	16,020	21,555	254,401	23,028	20,467	16,297	20,187
Oregon	7,255	9,330	10,340	113,519	11,787	11,133	10,949	11,743
Pennsylvania	36,647	33,433	35,235	437,976	35,771	36,127	37,886	39,530
Rhode Island	4,496	2,530	2,442	50,005	3,079	4,282	3,860	3,515
South Carolina	9,925	7,877	9,654	136,111	11,849	13,807	12,523	11,970
South Dakota	528	570	455	6,128	622	463	291	339
Tennessee	6,915	6,325	6,355	69,752	6,151	5,453	4,568	6,125
Texas	119,869	105,021	122,491	1,623,836	121,199	108,509	129,548	149,420
Utah	4,411	4,107	4,778	56,449	5,305	4,875	4,371	5,164
Vermont	1	--	*	19	1	1	*	1
Virginia	20,289	22,753	23,118	243,176	22,865	16,554	11,729	22,112
Washington	4,468	7,351	9,761	96,897	9,289	10,567	11,212	10,873
West Virginia	1,074	226	208	13,221	509	754	1,536	1,740
Wisconsin	13,267	10,324	10,235	100,502	9,852	7,642	7,393	8,950
Wyoming	W	W	W	1,233	72	150	161	108
Total	742,605	686,335	770,962	9,613,370	768,606	732,413	791,541	895,044

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	37,362	39,113	36,718	32,391	24,902	30,383	31,360	35,709
Alaska	2,225	2,366	2,475	2,314	2,477	3,044	3,099	3,114
Arizona	38,045	33,640	30,516	13,127	13,276	9,360	8,648	11,324
Arkansas	12,556	12,815	9,908	7,400	8,840	10,639	12,428	9,981
California	88,850	83,645	73,309	50,951	52,671	54,168	46,537	62,816
Colorado	9,911	9,396	8,013	4,901	5,839	6,344	5,779	6,740
Connecticut	12,406	11,634	9,399	8,759	8,933	8,418	7,533	10,732
Delaware	5,158	5,798	4,594	5,004	5,527	2,146	1,451	2,994
District of Columbia	--	--	--	--	--	--	--	--
Florida	112,839	110,857	105,715	101,383	98,530	86,030	73,961	80,767
Georgia	35,866	39,865	33,548	27,969	22,113	25,734	25,998	29,304
Hawaii	--	--	--	--	--	--	--	--
Idaho	3,629	3,182	3,474	2,081	1,276	842	414	2,309
Illinois	7,798	10,938	7,069	4,645	5,327	5,834	5,582	6,108
Indiana	9,932	10,272	9,337	9,208	9,311	13,117	13,696	11,783
Iowa	2,180	2,812	1,563	784	686	1,235	1,265	1,328
Kansas	2,012	3,116	1,726	1,023	938	1,100	936	493
Kentucky	4,723	6,197	3,618	3,384	3,317	3,111	5,530	2,290
Louisiana	33,918	36,917	33,952	27,765	24,985	23,542	22,220	21,979
Maine	1,856	1,176	674	827	1,051	1,884	1,308	1,888
Maryland	4,973	6,702	4,489	4,496	2,680	1,351	1,245	1,001
Massachusetts	23,712	23,110	15,103	15,150	10,797	7,657	6,206	6,586
Michigan	13,677	16,264	13,328	11,924	10,037	14,332	14,499	13,951
Minnesota	6,268	7,131	4,567	2,180	4,348	4,629	3,452	2,373
Mississippi	32,028	34,689	32,118	26,176	20,019	26,789	30,586	26,571
Missouri	5,561	6,396	4,226	1,538	2,372	2,699	2,927	2,720
Montana	683	356	454	496	79	1,180	784	571
Nebraska	826	1,164	634	178	240	152	63	184
Nevada	23,127	20,918	21,420	15,544	16,108	13,635	13,405	13,145
New Hampshire	4,622	4,211	3,618	3,865	3,308	3,393	2,236	3,622
New Jersey	29,196	30,696	24,137	24,482	18,113	22,460	17,073	18,699
New Mexico	8,656	7,914	6,598	4,833	6,390	6,301	5,592	6,622
New York	54,490	54,257	39,800	39,074	28,508	39,614	29,201	35,055
North Carolina	24,915	26,073	26,615	23,790	19,169	19,126	20,049	21,918
North Dakota	1,129	1,187	458	98	948	270	576	38
Ohio	19,302	20,036	18,045	14,983	13,053	19,926	19,404	19,214
Oklahoma	27,986	30,270	22,032	17,039	16,856	18,835	20,714	20,692
Oregon	11,706	12,432	10,384	7,174	7,467	6,250	4,342	8,153
Pennsylvania	47,012	47,447	37,533	31,152	31,493	34,602	26,471	32,952
Rhode Island	7,028	6,879	6,127	5,728	2,478	3,170	1,702	2,156
South Carolina	13,804	15,096	14,729	10,045	9,328	8,512	7,181	7,267
South Dakota	809	1,040	664	535	301	66	484	516
Tennessee	5,993	7,585	7,019	6,502	4,480	4,220	6,909	4,748
Texas	183,710	179,372	145,182	122,352	117,283	127,251	113,522	126,489
Utah	6,232	5,845	5,560	4,621	3,864	3,409	3,267	3,937
Vermont	*	*	1	6	*	1	2	5
Virginia	26,159	29,067	26,227	22,131	12,706	18,274	17,648	17,704
Washington	10,989	12,516	9,992	5,976	4,488	4,517	1,860	4,618
West Virginia	1,870	2,142	1,612	1,211	803	358	430	256
Wisconsin	8,706	10,791	8,056	7,223	6,531	8,767	8,744	7,847
Wyoming	154	216	141	68	30	53	23	56
Total	1,026,590	1,045,542	886,475	734,486	664,276	708,731	648,343	711,324

^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.

* Volume is less than 500 Mcf.

^w Withheld.

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

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

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017
(million cubic feet)

State	2017	2016	2015					
	11-Month YTD	11-Month YTD	11-Month YTD	November	October	September	August	2017 July
Alabama	NA	603,784	587,547	52,640	51,072	53,264	59,594	60,681
Alaska	59,221	52,788	63,915	7,029	5,734	4,393	4,526	4,318
Arizona	NA	323,431	305,527	NA	27,054	29,444	NA	38,515
Arkansas	NA	269,349	252,266	21,336	22,950	21,282	24,700	26,838
California	NA	1,897,786	2,004,231	166,969	167,511	165,139	182,741	166,652
Colorado	307,092	304,558	298,049	32,428	25,863	19,695	21,182	22,131
Connecticut	209,097	215,768	225,890	22,641	15,400	13,716	17,280	16,444
Delaware	NA	98,769	93,993	7,220	7,457	NA	8,876	8,566
District of Columbia	NA	23,672	28,284	NA	1,377	1,101	1,101	1,117
Florida	1,275,610	1,269,227	1,223,745	101,921	121,333	125,169	141,627	138,399
Georgia	614,580	633,879	628,704	58,679	52,433	50,757	60,355	58,400
Hawaii	NA	2,776	2,672	256	247	254	257	247
Idaho	90,477	86,629	85,780	9,873	8,895	6,465	5,976	6,167
Illinois	NA	852,825	858,422	97,785	62,127	NA	56,374	51,527
Indiana	631,620	638,356	639,163	67,164	51,504	48,007	48,870	47,890
Iowa	NA	278,611	274,109	34,623	NA	23,394	24,649	24,296
Kansas	NA	201,600	204,379	NA	16,692	15,324	16,884	18,479
Kentucky	240,402	229,497	230,289	26,781	18,611	17,341	19,124	20,842
Louisiana	NA	1,319,007	1,236,054	117,058	123,442	118,440	125,633	123,861
Maine	43,235	48,410	47,492	4,244	3,414	3,494	3,719	3,854
Maryland	NA	185,073	189,013	22,447	10,788	12,208	11,490	NA
Massachusetts	NA	372,875	398,144	38,353	NA	23,389	27,720	26,892
Michigan	734,103	756,481	733,393	87,502	56,484	43,500	44,335	44,950
Minnesota	389,574	383,289	369,717	45,601	30,565	23,944	25,567	25,443
Mississippi	463,505	477,584	455,296	39,986	38,800	41,897	48,658	50,809
Missouri	NA	219,265	231,938	25,290	14,461	13,865	15,314	14,973
Montana	NA	58,669	57,538	NA	NA	4,157	3,584	3,365
Nebraska	NA	137,051	137,009	NA	11,331	9,008	9,702	10,877
Nevada	262,462	270,668	264,169	21,348	22,954	22,615	26,940	27,564
New Hampshire	46,239	52,024	63,208	4,498	3,002	4,357	4,502	3,885
New Jersey	NA	670,277	677,392	NA	NA	NA	NA	NA
New Mexico	NA	139,162	135,625	NA	10,778	9,892	10,997	12,410
New York	1,088,362	1,122,417	1,210,754	110,976	70,127	69,517	79,851	79,631
North Carolina	NA	468,008	451,495	47,005	37,929	36,691	39,595	NA
North Dakota	58,992	54,797	55,029	6,504	5,188	3,520	4,204	4,168
Ohio	NA	782,418	849,185	NA	58,237	50,052	55,503	50,898
Oklahoma	470,034	503,307	484,815	39,719	38,862	40,975	48,311	53,124
Oregon	196,750	199,203	202,004	21,696	20,846	16,174	17,665	15,794
Pennsylvania	NA	950,404	944,855	NA	79,935	71,476	74,379	75,141
Rhode Island	NA	74,996	83,867	7,249	5,193	5,340	5,907	5,962
South Carolina	248,954	249,061	248,403	24,490	23,046	21,614	22,730	23,162
South Dakota	65,723	65,383	64,351	6,834	5,427	4,847	4,988	5,134
Tennessee	279,551	279,085	276,135	28,757	22,160	20,968	22,338	22,416
Texas	NA	3,238,174	3,307,656	263,790	NA	273,831	323,704	336,851
Utah	159,160	172,040	160,092	16,519	12,158	9,844	11,755	11,180
Vermont	NA	10,339	10,641	1,272	685	594	566	538
Virginia	NA	476,089	440,410	49,219	35,970	43,366	47,294	NA
Washington	268,366	252,978	258,718	30,338	26,243	18,769	20,239	18,309
West Virginia	NA	77,746	79,163	8,842	7,376	6,429	5,910	NA
Wisconsin	410,917	416,444	404,797	48,051	33,733	26,886	28,828	29,013
Wyoming	NA	70,140	64,061	7,193	6,277	NA	4,861	4,730
Total	22,060,938	22,536,172	22,599,383	2,153,331	1,844,388	1,746,572	1,948,888	1,952,069

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	NA	NA	NA	53,519	44,149	51,653	659,864	56,079
Alaska	3,325	3,606	4,534	7,097	6,307	8,353	60,255	7,466
Arizona	32,329	24,914	20,888	15,994	NA	22,513	343,766	20,335
Arkansas	23,821	NA	22,911	25,771	22,614	25,215	297,218	27,869
California	146,640	142,352	135,997	156,277	171,674	NA	2,113,847	216,061
Colorado	18,923	23,244	27,354	30,770	34,554	50,951	352,463	47,904
Connecticut	13,429	13,422	16,331	27,178	24,124	29,132	242,831	27,063
Delaware	8,273	8,409	NA	10,643	8,320	9,333	107,383	8,615
District of Columbia	1,167	1,489	1,648	3,403	NA	4,180	27,891	4,219
Florida	122,962	124,513	108,671	107,120	88,308	95,587	1,362,542	93,316
Georgia	53,659	50,904	44,910	59,663	57,293	67,526	700,464	66,586
Hawaii	NA	248	255	272	258	291	3,038	263
Idaho	5,105	5,819	7,204	8,894	10,597	15,481	101,365	14,737
Illinois	46,906	57,659	63,170	124,947	101,813	141,480	1,000,348	147,523
Indiana	43,264	44,590	50,927	77,640	66,397	85,366	728,625	90,269
Iowa	22,697	24,428	27,034	35,338	33,704	42,274	320,541	41,930
Kansas	15,712	14,571	17,142	21,864	21,129	31,107	233,168	31,567
Kentucky	18,337	18,165	19,359	28,057	23,587	30,199	261,248	31,751
Louisiana	NA	116,724	112,793	116,932	103,521	117,840	1,439,894	120,887
Maine	3,333	3,196	3,680	5,219	4,179	4,902	52,516	4,106
Maryland	10,728	11,679	12,467	27,974	22,786	27,645	211,245	26,172
Massachusetts	25,424	28,631	34,517	57,477	47,164	54,085	423,559	50,684
Michigan	40,904	51,327	57,652	102,891	89,203	115,356	868,762	112,282
Minnesota	22,734	25,939	32,614	47,889	47,262	62,016	438,623	55,334
Mississippi	42,185	43,068	37,691	44,657	33,017	42,739	521,948	44,364
Missouri	13,005	13,916	15,417	31,231	NA	39,720	259,072	39,807
Montana	2,936	3,424	4,946	6,724	7,975	10,716	68,928	10,259
Nebraska	8,839	10,382	11,874	15,276	16,888	22,009	157,458	20,406
Nevada	24,318	20,309	18,904	22,027	24,437	31,046	299,327	28,659
New Hampshire	3,554	3,263	5,436	5,036	3,984	4,720	57,735	5,711
New Jersey	NA	44,108	NA	NA	71,118	NA	757,432	87,154
New Mexico	11,319	10,129	NA	NA	12,992	17,862	156,749	17,587
New York	72,766	73,601	85,484	158,526	132,213	155,671	1,270,049	147,632
North Carolina	35,754	34,817	31,869	48,621	42,568	50,992	519,746	51,738
North Dakota	4,105	4,401	5,255	6,950	6,354	8,342	62,448	7,651
Ohio	46,355	53,246	56,673	106,332	91,252	115,850	895,943	113,525
Oklahoma	43,942	39,298	39,238	38,985	36,924	50,656	556,210	52,904
Oregon	10,120	10,663	13,412	16,983	21,399	31,998	231,110	31,907
Pennsylvania	64,964	61,827	66,100	111,415	100,072	118,725	1,071,713	121,309
Rhode Island	5,315	5,381	5,921	9,325	NA	8,642	83,489	8,493
South Carolina	20,974	22,526	21,211	23,983	21,366	23,852	272,617	23,557
South Dakota	4,599	4,956	5,558	7,161	7,037	9,182	74,246	8,862
Tennessee	21,221	19,110	22,196	34,245	29,482	36,660	319,637	40,553
Texas	299,406	264,750	250,981	264,018	NA	NA	3,532,732	294,558
Utah	10,678	10,527	13,675	14,555	18,282	29,987	199,918	27,878
Vermont	NA	686	864	1,582	1,400	1,614	11,958	1,619
Virginia	45,775	37,134	34,858	53,587	47,095	54,618	526,260	50,171
Washington	14,228	17,027	22,308	28,101	30,726	42,077	293,106	40,128
West Virginia	5,127	5,119	5,708	10,186	8,679	10,655	88,541	10,795
Wisconsin	23,785	26,928	31,948	52,555	46,915	62,274	478,287	61,843
Wyoming	4,842	6,038	6,615	8,072	8,221	9,837	80,100	9,960
Total	1,733,425	1,716,789	1,748,922	2,374,027	2,147,237	2,695,291	25,198,216	2,662,045

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State								2016
	November	October	September	August	July	June	May	April
Alabama	50,106	49,477	56,717	60,097	61,223	56,711	52,466	45,820
Alaska	6,557	5,385	4,086	3,634	3,397	3,318	3,707	4,272
Arizona	18,967	26,109	33,318	40,454	40,918	36,039	25,987	25,288
Arkansas	24,318	19,922	19,220	26,592	25,943	27,055	22,974	22,241
California	175,988	167,994	171,608	190,464	176,767	164,703	146,670	146,030
Colorado	29,596	20,877	17,022	19,637	21,025	20,069	23,564	30,297
Connecticut	21,291	16,412	14,910	17,231	16,640	14,296	17,097	21,086
Delaware	8,198	9,230	8,656	10,382	10,798	9,073	7,722	8,758
District of Columbia	2,591	1,311	951	987	1,004	987	1,436	2,062
Florida	91,852	110,955	122,262	134,016	136,065	127,256	121,405	115,695
Georgia	51,471	46,219	49,316	59,116	60,764	57,406	53,131	52,724
Hawaii	253	250	264	264	255	240	243	255
Idaho	8,337	7,219	6,844	7,173	6,278	5,404	5,639	5,449
Illinois	80,751	59,444	47,516	53,068	56,449	46,522	54,991	76,181
Indiana	59,594	44,567	44,086	48,757	48,937	47,406	52,920	55,396
Iowa	27,815	22,290	18,821	21,521	20,446	19,032	21,153	22,988
Kansas	18,581	13,995	13,778	17,564	16,813	15,453	14,954	15,157
Kentucky	21,106	16,727	15,610	18,069	17,993	16,802	17,186	18,381
Louisiana	112,241	111,923	116,158	122,571	130,304	121,899	122,334	115,393
Maine	3,524	4,123	3,772	5,474	5,155	3,556	4,097	4,055
Maryland	15,446	11,439	11,084	15,857	15,277	9,845	12,600	15,787
Massachusetts	33,424	25,667	23,643	30,399	30,268	27,109	30,052	34,643
Michigan	72,216	53,267	42,195	52,719	47,255	43,617	55,140	79,401
Minnesota	34,918	26,250	19,762	27,732	25,744	23,855	27,544	36,363
Mississippi	34,269	37,327	46,568	48,956	50,799	47,881	43,617	34,142
Missouri	19,650	13,076	12,986	14,852	15,409	15,335	14,512	17,901
Montana	6,877	5,219	4,018	3,839	3,677	3,459	4,293	4,668
Nebraska	13,699	10,834	9,596	11,886	11,227	10,473	9,747	11,195
Nevada	22,816	20,953	21,948	26,364	27,104	26,140	22,855	21,465
New Hampshire	5,401	3,615	4,922	5,502	5,074	3,840	4,370	5,664
New Jersey	54,909	49,529	47,327	59,140	59,150	50,093	48,141	58,178
New Mexico	13,080	11,297	10,601	11,661	12,343	11,140	10,494	11,343
New York	100,958	77,791	74,952	95,705	90,784	77,589	83,696	100,124
North Carolina	44,370	32,338	35,796	42,312	40,518	35,373	34,923	39,678
North Dakota	5,517	5,295	4,250	3,827	3,814	4,143	4,280	4,387
Ohio	77,125	54,685	47,207	51,768	50,330	46,157	49,937	72,611
Oklahoma	43,200	37,161	42,369	48,021	52,062	50,070	44,029	41,202
Oregon	19,075	17,431	19,812	19,938	16,584	14,427	10,822	11,770
Pennsylvania	92,222	74,212	71,216	82,461	80,626	71,845	67,633	78,716
Rhode Island	6,360	5,149	5,783	6,759	7,019	5,980	6,997	6,148
South Carolina	26,519	20,473	22,499	23,460	24,144	20,996	19,709	17,574
South Dakota	6,331	5,148	4,679	5,307	4,926	4,662	5,090	6,126
Tennessee	23,357	20,398	21,314	22,945	22,377	21,877	19,801	20,680
Texas	258,950	266,363	297,157	333,865	329,608	298,713	279,368	269,369
Utah	17,127	12,130	10,587	11,190	12,134	11,679	13,191	16,101
Vermont	1,102	831	596	575	584	574	663	1,073
Virginia	42,276	31,820	39,908	49,682	48,244	41,500	35,003	31,258
Washington	24,061	21,575	22,240	22,238	19,933	16,680	16,849	16,393
West Virginia	8,018	6,918	5,233	4,606	4,819	5,088	5,714	6,843
Wisconsin	36,772	26,975	23,408	30,261	28,528	26,992	29,433	39,987
Wyoming	7,406	6,322	5,063	5,380	5,217	4,942	5,943	6,294
Total	1,980,591	1,745,916	1,773,634	2,026,278	2,002,753	1,825,301	1,786,119	1,904,613

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	52,215	54,519	64,432	642,529	54,982	51,040	49,489	50,086
Alaska	5,533	5,874	7,028	72,126	8,211	7,225	5,306	4,434
Arizona	21,911	23,758	30,682	336,030	30,504	25,860	29,432	35,335
Arkansas	27,328	24,129	29,627	275,572	23,306	19,044	14,998	18,174
California	162,050	172,679	222,833	2,238,223	233,993	194,636	184,678	187,006
Colorado	35,470	38,549	48,452	347,174	49,125	40,204	22,353	18,738
Connecticut	21,446	26,676	28,685	248,963	23,073	19,714	17,381	15,909
Delaware	8,687	8,309	8,956	101,567	7,574	6,888	7,037	8,088
District of Columbia	2,448	4,765	5,130	31,419	3,136	2,624	1,865	1,141
Florida	107,367	96,619	105,734	1,328,705	104,960	105,544	113,800	117,812
Georgia	56,927	67,283	79,521	687,008	58,304	55,942	52,525	49,225
Hawaii	247	246	258	2,922	250	227	239	232
Idaho	9,255	11,151	13,882	99,702	13,922	11,402	7,669	6,841
Illinois	98,281	128,157	151,465	966,363	107,941	85,107	57,688	43,482
Indiana	65,839	78,712	92,141	711,191	72,029	59,397	47,886	39,639
Iowa	28,993	34,695	40,857	306,899	32,790	25,330	21,501	18,031
Kansas	19,308	24,444	31,552	231,220	26,841	19,208	14,377	13,711
Kentucky	24,224	28,577	34,820	253,219	22,930	22,360	18,414	15,439
Louisiana	120,365	115,837	129,982	1,359,221	123,166	116,055	112,583	108,898
Maine	3,757	4,996	5,901	51,778	4,287	4,387	4,935	3,664
Maryland	19,835	27,049	30,854	207,816	18,802	16,636	12,836	9,873
Massachusetts	39,653	47,203	50,813	433,991	35,848	31,121	30,340	26,010
Michigan	87,022	107,058	116,592	818,159	84,766	69,425	53,762	36,302
Minnesota	43,536	54,422	63,162	421,158	51,440	35,555	26,927	22,743
Mississippi	38,781	45,319	49,925	495,596	40,301	39,572	37,262	38,510
Missouri	21,970	32,646	40,928	261,286	29,348	20,880	12,965	11,718
Montana	6,481	7,104	9,033	66,892	9,354	7,757	4,598	2,957
Nebraska	12,944	15,949	19,501	154,040	17,031	13,642	10,124	8,592
Nevada	23,218	25,222	32,583	295,435	31,266	24,391	23,259	24,802
New Hampshire	3,328	4,402	5,907	68,596	5,388	6,039	4,639	4,925
New Jersey	67,606	80,721	95,484	739,413	62,020	55,589	45,099	45,046
New Mexico	13,081	15,046	19,076	154,611	18,986	14,137	10,476	9,852
New York	115,304	143,887	161,628	1,321,405	110,651	97,650	85,801	79,377
North Carolina	46,778	55,721	60,201	494,236	42,741	42,679	35,315	35,567
North Dakota	5,592	6,138	7,555	61,077	6,048	5,320	4,572	4,337
Ohio	84,823	114,118	133,657	936,649	87,464	73,041	55,112	45,403
Oklahoma	42,183	44,208	58,800	540,782	55,967	47,163	36,072	38,036
Oregon	19,818	22,413	27,111	230,032	28,028	24,915	18,501	18,115
Pennsylvania	91,685	112,651	127,137	1,038,320	93,466	84,267	76,095	64,808
Rhode Island	8,445	7,874	8,482	90,780	6,913	7,621	6,244	4,847
South Carolina	21,594	23,832	28,260	273,217	24,814	25,796	22,709	20,583
South Dakota	6,670	7,664	8,779	72,407	8,056	6,566	4,755	4,316
Tennessee	26,742	36,148	43,445	305,050	28,915	24,195	18,780	18,242
Texas	289,161	285,648	329,971	3,621,488	313,833	271,193	278,831	292,889
Utah	18,045	22,124	27,733	188,297	28,205	21,114	10,838	10,247
Vermont	1,122	1,490	1,730	11,814	1,173	1,028	876	566
Virginia	42,234	53,646	60,518	484,836	44,426	36,525	27,441	34,381
Washington	25,567	29,322	38,121	295,715	36,997	34,844	25,415	22,065
West Virginia	8,568	10,036	11,903	86,566	7,403	6,870	6,216	4,947
Wisconsin	49,884	57,711	66,495	454,356	49,559	38,829	29,255	23,459
Wyoming	7,366	7,543	8,665	73,433	9,372	7,474	5,109	4,558
Total	2,160,690	2,454,291	2,875,986	24,989,285	2,389,902	2,064,029	1,804,380	1,723,960

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2015-2017

(million cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	54,599	56,806	53,287	50,458	42,260	52,388	60,953	66,181
Alaska	3,876	3,917	4,014	4,742	5,893	7,926	7,753	8,828
Arizona	42,348	38,149	35,407	18,984	19,730	17,365	17,872	25,044
Arkansas	22,088	22,239	19,362	17,770	20,688	28,737	35,279	33,888
California	195,602	189,714	174,388	162,529	164,979	168,835	165,799	216,065
Colorado	18,748	18,580	17,982	21,759	24,301	31,835	37,360	46,190
Connecticut	17,632	16,781	14,703	15,300	20,226	27,426	28,813	32,005
Delaware	8,401	9,035	7,777	8,534	10,089	8,898	8,576	10,671
District of Columbia	1,101	1,044	1,143	1,250	1,942	4,299	5,596	6,278
Florida	125,213	123,817	118,863	114,992	112,873	101,420	90,983	98,429
Georgia	54,749	58,833	52,162	48,174	43,196	57,083	76,170	80,644
Hawaii	239	242	244	228	254	252	237	278
Idaho	7,023	6,406	7,050	6,441	6,581	6,953	7,453	11,961
Illinois	42,179	45,902	42,018	46,823	67,860	112,156	158,444	156,762
Indiana	42,240	43,055	41,480	45,248	52,110	77,653	96,065	94,388
Iowa	18,721	19,398	18,390	19,485	21,863	30,483	40,491	40,417
Kansas	16,449	17,013	13,538	13,073	14,411	21,436	29,406	31,757
Kentucky	15,667	16,776	14,264	14,583	17,071	25,999	36,558	33,156
Louisiana	117,620	117,126	112,809	111,508	105,050	107,330	108,488	118,589
Maine	3,887	3,233	2,782	3,029	4,061	5,879	5,345	6,290
Maryland	10,485	12,444	10,299	10,812	13,763	25,471	33,570	32,824
Massachusetts	32,327	31,968	24,702	26,798	32,698	48,538	56,909	56,732
Michigan	36,156	38,035	36,079	41,295	60,297	98,500	133,779	129,763
Minnesota	22,035	22,278	20,335	21,246	32,486	46,463	60,511	59,139
Mississippi	43,315	45,994	43,684	37,611	31,832	41,983	48,835	46,698
Missouri	13,856	14,620	12,508	11,082	18,030	33,837	42,310	40,132
Montana	3,616	2,777	2,995	4,065	4,610	6,990	7,852	9,322
Nebraska	9,676	10,980	9,350	9,783	10,964	13,898	19,657	20,344
Nevada	27,596	25,168	26,234	21,097	22,535	21,303	22,056	25,728
New Hampshire	5,571	5,202	4,693	5,019	5,347	6,981	6,673	8,118
New Jersey	45,019	47,893	41,009	44,959	59,283	91,613	101,480	100,401
New Mexico	12,012	11,096	10,345	9,324	11,408	13,473	15,205	18,296
New York	85,551	84,611	71,536	79,062	94,938	165,966	180,721	185,541
North Carolina	36,748	37,444	38,410	35,730	33,961	41,790	56,908	56,943
North Dakota	4,167	3,661	3,428	3,961	5,012	5,980	7,547	7,045
Ohio	47,860	49,234	48,812	51,753	71,031	120,107	144,778	142,053
Oklahoma	44,244	45,294	37,710	36,866	37,061	46,515	56,194	59,662
Oregon	17,525	18,144	16,432	14,732	17,588	16,876	15,831	23,345
Pennsylvania	71,126	71,941	64,046	61,527	76,893	115,060	128,927	130,164
Rhode Island	8,366	8,236	7,608	7,399	5,631	9,183	9,167	9,565
South Carolina	22,520	23,633	23,246	19,169	19,143	21,614	24,316	25,674
South Dakota	4,873	5,033	4,836	5,065	5,462	6,249	8,383	8,814
Tennessee	17,834	19,253	19,184	19,164	19,711	29,718	47,266	42,787
Texas	334,353	330,573	292,544	274,677	271,023	315,617	297,837	348,119
Utah	11,740	11,431	11,926	13,020	14,525	14,704	17,202	23,346
Vermont	544	587	569	500	895	1,493	1,748	1,836
Virginia	37,663	40,618	37,862	34,839	29,204	47,104	58,062	56,711
Washington	20,291	21,691	20,046	18,051	20,853	23,430	21,525	30,508
West Virginia	4,925	5,148	4,761	4,884	6,421	10,777	12,611	11,602
Wisconsin	23,143	24,913	22,226	24,965	33,066	50,434	68,372	66,135
Wyoming	4,418	4,709	4,830	5,393	5,824	6,520	6,818	8,407
Total	1,867,936	1,882,675	1,723,906	1,678,755	1,826,933	2,392,542	2,730,693	2,903,574

^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, 2015-2017
(dollars per thousand cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD					
				November	October	September	August	July
Alabama	3.88	3.39	3.97	3.79	3.77	3.63	3.90	4.02
Alaska	NA	6.69	6.57	7.02	6.59	6.29	5.83	5.76
Arizona	4.36	3.96	4.55	5.06	3.87	3.93	4.01	4.14
Arkansas	4.95	4.40	4.87	4.56	5.40	6.30	6.67	6.72
California	3.42	2.84	3.32	3.24	2.95	3.09	3.22	3.47
Colorado	4.00	3.55	4.18	3.88	3.96	5.10	4.65	5.09
Connecticut	4.58	3.51	4.09	3.71	4.22	5.66	5.79	6.08
Delaware	NA	5.03	5.96	5.19	8.31	10.40	NA	10.42
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	3.93	4.97	6.32	5.88	5.40	5.31	NA
Georgia	4.20	3.62	3.86	3.80	4.11	4.23	4.07	4.21
Hawaii	16.57	13.72	18.43	18.23	16.69	17.18	17.63	16.17
Idaho	2.94	3.22	4.11	2.90	2.24	2.27	2.41	2.47
Illinois	NA	3.31	3.88	3.55	3.44	NA	NA	3.76
Indiana	3.93	3.52	4.10	3.71	3.68	4.34	4.74	4.97
Iowa	NA	3.72	4.37	3.90	3.71	3.69	3.87	4.08
Kansas	4.65	4.09	4.76	4.26	5.08	6.26	5.72	5.37
Kentucky	NA	3.26	3.97	3.84	3.66	3.70	3.41	3.59
Louisiana	3.99	3.57	3.36	3.92	3.91	3.84	3.85	3.99
Maine	6.28	6.43	8.86	5.52	6.17	5.66	6.09	7.67
Maryland	4.89	4.23	4.99	4.27	5.37	6.72	6.85	6.87
Massachusetts	5.29	4.46	5.76	4.60	6.28	8.86	9.24	9.61
Michigan	3.58	3.57	4.27	3.47	3.35	3.10	3.09	3.10
Minnesota	4.01	3.63	4.51	3.93	3.46	4.14	4.33	4.46
Mississippi	NA	3.60	3.81	4.55	NA	4.49	4.62	4.68
Missouri	4.85	4.28	4.82	4.11	5.05	7.09	7.68	7.26
Montana	3.23	3.10	3.80	3.22	2.47	2.35	3.41	2.90
Nebraska	NA	3.76	4.49	NA	4.50	5.08	4.94	4.17
Nevada	4.26	3.62	4.28	4.18	3.73	4.01	4.39	4.50
New Hampshire	NA	5.30	7.79	4.95	5.29	8.23	7.41	8.42
New Jersey	NA	3.88	4.93	3.93	3.60	NA	4.37	4.61
New Mexico	NA	2.90	3.45	3.41	3.22	3.41	3.60	3.59
New York	4.37	3.52	4.20	4.17	5.11	6.96	7.11	7.39
North Carolina	4.14	3.38	3.90	3.54	4.41	5.09	5.41	5.83
North Dakota	4.27	3.82	4.55	4.17	4.23	4.38	4.03	3.92
Ohio	NA	3.18	4.52	NA	NA	2.11	2.12	NA
Oklahoma	NA	3.96	4.67	4.51	4.84	5.79	5.95	NA
Oregon	3.99	4.25	4.84	3.76	3.75	4.69	5.97	5.71
Pennsylvania	NA	3.72	4.42	NA	4.67	5.42	6.23	7.30
Rhode Island	2.22	2.15	3.24	2.20	2.21	2.29	2.34	2.37
South Carolina	NA	3.56	3.93	3.88	3.93	4.14	3.99	4.11
South Dakota	4.14	3.58	4.19	4.11	3.80	4.42	4.36	4.40
Tennessee	4.14	3.36	4.13	3.98	4.00	4.20	4.17	4.47
Texas	4.78	3.90	4.17	5.32	5.13	4.47	4.09	4.19
Utah	5.21	5.11	5.64	5.78	4.95	3.85	3.70	3.69
Vermont	NA	5.13	6.38	4.70	4.56	4.48	4.44	4.31
Virginia	NA	4.06	4.92	3.96	5.09	NA	NA	NA
Washington	NA	3.68	4.61	3.32	NA	3.93	4.78	4.21
West Virginia	NA	3.49	4.03	3.61	3.88	5.10	NA	NA
Wisconsin	4.29	3.79	4.81	4.25	3.87	4.59	4.55	4.82
Wyoming	3.94	3.44	4.45	4.01	3.82	3.45	3.82	3.98
Total	4.19	3.66	4.33	3.98	4.06	4.56	4.60	4.69

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	3.96	3.92	3.65	3.59	4.23	4.13	3.44	3.78
Alaska	5.69	6.02	6.96	7.42	7.54	NA	6.79	7.29
Arizona	4.14	3.75	3.98	4.95	4.71	4.37	4.07	4.74
Arkansas	6.85	5.73	5.83	4.35	4.37	4.17	4.29	3.83
California	3.55	3.38	3.31	3.15	3.59	3.87	2.96	3.64
Colorado	4.68	3.98	3.66	3.65	3.91	3.92	3.56	3.61
Connecticut	6.58	5.85	4.97	3.53	4.45	4.45	3.57	3.90
Delaware	9.94	7.65	NA	4.26	4.62	4.34	4.91	4.28
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	NA	NA	NA	NA	NA	4.04	5.47
Georgia	4.28	4.22	4.29	3.72	4.43	4.69	3.67	4.08
Hawaii	15.06	16.46	16.05	17.38	16.20	15.34	13.81	14.75
Idaho	3.29	3.04	2.71	3.31	3.14	3.17	3.21	3.16
Illinois	NA	3.48	4.15	4.06	3.56	3.95	3.38	3.63
Indiana	4.87	4.28	4.25	3.72	3.89	3.81	3.58	3.84
Iowa	4.34	NA	NA	4.08	4.42	4.51	3.77	4.04
Kansas	6.24	5.86	4.81	3.99	4.18	4.24	4.02	3.75
Kentucky	3.73	NA	4.46	NA	4.19	NA	3.35	3.77
Louisiana	4.03	4.08	3.94	3.96	4.37	3.91	3.65	4.18
Maine	5.46	5.00	5.30	5.54	7.58	7.36	6.41	6.33
Maryland	7.29	6.23	6.06	4.05	4.69	4.43	4.18	3.96
Massachusetts	9.04	6.38	5.46	4.06	4.53	4.66	4.49	4.61
Michigan	3.35	3.43	3.78	3.48	3.71	3.84	3.57	3.54
Minnesota	4.49	3.80	3.51	3.77	4.23	4.30	3.71	4.05
Mississippi	4.78	4.59	3.95	3.88	4.20	5.02	3.78	4.77
Missouri	7.15	5.86	5.15	4.07	4.45	4.21	4.22	3.96
Montana	3.30	3.61	3.47	3.54	3.56	3.14	3.05	2.87
Nebraska	5.07	4.20	3.82	3.92	4.36	4.34	3.75	3.67
Nevada	4.52	4.13	4.40	4.05	4.34	4.46	3.73	4.18
New Hampshire	NA	5.50	4.64	4.37	NA	NA	5.30	5.32
New Jersey	4.73	4.56	4.26	4.32	4.48	4.52	3.93	4.14
New Mexico	3.61	3.43	3.31	NA	3.82	3.93	3.05	3.77
New York	7.18	6.00	4.23	3.27	3.64	3.85	3.57	3.85
North Carolina	5.87	5.28	4.91	3.36	3.72	3.87	3.44	3.72
North Dakota	4.35	3.99	4.11	3.88	4.53	4.58	3.88	4.10
Ohio	NA	NA	NA	NA	4.41	4.02	3.27	3.62
Oklahoma	5.90	5.44	4.64	4.22	4.26	4.46	3.98	4.04
Oregon	5.29	4.56	3.90	3.59	3.59	3.69	4.15	3.77
Pennsylvania	6.85	5.37	5.07	3.86	4.20	4.07	3.72	3.72
Rhode Island	2.41	2.36	2.30	2.20	2.18	2.12	2.12	1.99
South Carolina	4.23	4.27	4.45	3.96	4.40	NA	3.64	4.44
South Dakota	4.60	3.77	3.90	3.79	4.38	4.35	3.65	3.92
Tennessee	4.28	4.18	4.36	3.91	4.16	4.24	3.42	3.73
Texas	4.28	4.59	4.43	4.85	5.14	5.28	4.09	5.36
Utah	4.90	4.79	4.78	5.94	5.97	5.37	5.15	5.35
Vermont	4.74	4.69	5.26	4.98	5.69	NA	5.13	5.11
Virginia	NA	NA	5.59	3.98	4.07	3.90	3.99	3.68
Washington	4.43	4.26	3.64	3.04	3.47	NA	3.66	3.58
West Virginia	6.40	4.87	4.26	3.32	3.68	3.63	3.46	3.30
Wisconsin	5.26	4.24	4.08	3.82	4.39	4.46	3.81	3.88
Wyoming	3.79	3.24	3.71	3.89	4.23	4.27	3.53	4.00
Total	4.81	4.41	4.19	3.84	4.13	4.21	3.71	3.96

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016							
	November	October	September	August	July	June	May	April
Alabama	3.85	4.20	3.89	3.89	3.89	3.34	2.99	2.90
Alaska	6.82	7.10	6.58	6.19	6.12	6.03	6.21	6.37
Arizona	4.91	4.09	3.92	3.86	4.05	3.31	2.77	3.03
Arkansas	4.37	6.02	5.69	6.22	6.68	6.16	4.79	4.60
California	3.30	3.51	3.56	3.29	3.34	2.52	2.49	2.25
Colorado	3.88	4.73	5.27	4.81	5.16	4.22	3.25	2.78
Connecticut	3.31	3.13	4.29	4.20	4.69	4.58	3.85	3.20
Delaware	4.17	6.15	8.20	8.50	8.77	8.53	6.24	5.03
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.92	4.45	4.13	3.92	3.93	3.46	3.50	3.37
Georgia	4.04	4.26	4.30	4.01	4.32	3.44	3.37	3.19
Hawaii	12.93	15.07	14.06	13.33	13.54	17.26	16.20	14.19
Idaho	3.29	3.18	3.29	2.69	2.62	2.52	3.22	2.79
Illinois	3.38	4.25	5.19	4.66	4.25	3.72	3.10	3.39
Indiana	3.63	4.26	4.80	4.92	5.25	4.38	3.27	2.93
Iowa	4.14	4.18	4.47	3.91	3.94	3.67	3.01	3.46
Kansas	4.43	6.27	6.65	5.63	5.33	5.57	4.41	4.27
Kentucky	3.53	3.63	3.45	3.26	3.47	2.85	2.85	2.97
Louisiana	4.23	3.98	4.07	3.85	4.00	3.16	2.99	3.03
Maine	6.25	4.23	5.17	4.64	5.30	5.40	3.83	3.57
Maryland	4.20	5.42	7.54	7.65	8.57	7.14	4.57	3.89
Massachusetts	4.16	5.36	8.26	6.95	7.49	5.90	4.72	3.94
Michigan	3.65	3.53	3.35	3.08	3.19	2.76	2.87	2.91
Minnesota	4.17	3.71	4.38	4.28	3.88	3.49	2.98	2.94
Mississippi	4.14	4.17	3.90	3.79	4.04	3.46	3.19	3.36
Missouri	4.31	6.21	6.64	6.96	7.08	5.58	5.16	4.50
Montana	3.17	3.33	3.45	3.34	3.65	2.50	2.28	2.42
Nebraska	3.99	4.19	3.65	3.90	4.44	3.17	3.00	3.14
Nevada	3.70	4.10	4.45	4.76	4.50	3.74	3.19	3.16
New Hampshire	4.60	3.80	5.34	4.73	6.79	5.79	3.87	2.72
New Jersey	3.94	3.75	4.02	3.75	3.92	3.91	3.80	3.81
New Mexico	3.22	3.62	3.46	3.39	3.50	2.89	2.43	2.23
New York	3.42	3.61	6.30	6.85	6.58	5.65	4.26	3.03
North Carolina	3.33	4.43	4.76	4.83	5.28	4.38	3.71	3.21
North Dakota	4.64	4.51	4.52	4.18	4.36	2.83	2.71	2.97
Ohio	3.43	3.09	2.43	2.56	2.69	2.46	2.61	2.41
Oklahoma	4.00	5.03	5.29	5.39	5.51	4.77	3.83	3.73
Oregon	4.03	4.40	5.96	5.33	5.85	5.18	4.65	4.15
Pennsylvania	4.08	3.98	5.92	5.57	6.55	6.36	4.35	3.28
Rhode Island	1.96	1.96	2.01	2.03	2.06	2.05	2.09	2.14
South Carolina	3.66	4.01	3.94	3.75	3.87	3.43	3.08	3.37
South Dakota	4.25	4.20	4.73	4.82	4.47	3.06	2.28	2.47
Tennessee	3.90	4.26	3.99	3.64	3.88	3.19	3.01	2.97
Texas	5.10	4.93	4.16	4.00	3.94	3.41	3.20	3.20
Utah	5.00	4.82	3.86	3.24	3.37	3.58	4.60	4.63
Vermont	4.74	4.08	4.21	4.22	4.01	4.24	4.96	4.85
Virginia	3.87	5.37	6.50	7.04	6.25	6.42	4.38	3.92
Washington	4.14	4.20	4.85	4.35	4.56	3.57	3.85	3.43
West Virginia	3.45	3.73	5.14	5.08	5.59	4.62	3.41	3.18
Wisconsin	4.23	4.37	4.93	4.18	4.36	3.75	3.38	3.11
Wyoming	3.48	3.76	3.46	3.38	3.19	2.56	3.07	3.10
Total	3.90	4.19	4.60	4.33	4.42	3.84	3.44	3.22

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2016			2015				
	March	February	January	Total	December	November	October	September
Alabama	3.00	3.18	3.22	3.91	3.27	3.61	3.83	3.81
Alaska	6.72	6.85	6.93	6.57	6.53	6.56	6.11	5.90
Arizona	4.85	4.60	3.64	4.38	3.65	4.42	4.25	4.48
Arkansas	4.53	3.76	3.43	4.77	4.00	4.16	5.63	5.58
California	2.30	2.65	2.72	3.27	3.02	3.08	3.32	3.42
Colorado	3.43	3.23	3.09	3.98	3.07	3.24	4.60	5.60
Connecticut	3.09	3.45	3.27	4.07	3.80	3.36	3.58	4.59
Delaware	4.70	3.84	3.81	5.87	4.98	5.14	6.54	10.35
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.83	3.95	3.86	4.87	4.00	4.84	4.17	4.53
Georgia	3.21	3.25	3.35	3.83	3.51	3.37	3.80	4.14
Hawaii	13.19	10.52	10.93	18.11	14.81	14.92	14.59	15.38
Idaho	3.67	3.47	3.20	3.95	3.34	3.52	3.75	3.67
Illinois	3.33	2.79	3.12	3.82	3.43	3.17	3.61	4.91
Indiana	3.48	3.27	3.28	4.03	3.52	3.62	3.68	4.58
Iowa	3.70	3.57	3.61	4.29	3.79	3.81	3.58	4.62
Kansas	3.52	3.25	3.25	4.59	3.55	3.94	5.53	6.43
Kentucky	3.26	3.26	3.24	3.96	3.85	3.21	3.41	3.34
Louisiana	3.32	3.49	3.51	3.32	2.95	2.62	2.95	3.08
Maine	7.53	8.85	7.76	8.76	8.01	7.52	4.38	5.52
Maryland	4.34	3.52	3.30	5.01	5.19	4.26	4.07	7.19
Massachusetts	3.40	4.30	3.93	5.72	5.42	4.42	4.62	7.59
Michigan	3.90	3.84	3.80	4.23	3.95	3.87	3.65	3.60
Minnesota	3.77	3.65	3.43	4.39	3.65	4.06	3.51	4.49
Mississippi	3.18	3.85	3.28	3.86	4.29	3.02	3.68	3.64
Missouri	3.85	3.43	3.32	4.64	3.48	3.86	5.33	6.73
Montana	3.03	3.43	3.23	3.71	3.25	2.87	3.28	3.10
Nebraska	4.16	3.80	3.65	4.32	3.23	3.83	4.04	4.68
Nevada	3.18	3.56	3.38	4.06	3.15	3.57	4.40	4.38
New Hampshire	3.57	7.03	7.02	7.64	6.40	4.34	3.59	5.90
New Jersey	3.98	3.94	3.84	4.87	4.27	4.30	4.37	5.00
New Mexico	2.75	2.80	2.72	3.32	2.76	2.80	3.34	3.57
New York	2.84	2.92	2.62	4.15	3.56	3.54	4.57	7.12
North Carolina	3.10	2.87	2.98	3.81	3.10	2.79	3.88	4.43
North Dakota	3.65	3.84	3.76	4.46	3.94	4.16	4.58	5.00
Ohio	3.09	3.55	3.60	4.49	3.75	3.45	3.02	2.34
Oklahoma	3.58	3.69	3.62	4.59	3.86	4.22	5.28	5.45
Oregon	3.63	3.96	3.71	4.65	3.72	3.92	5.15	5.19
Pennsylvania	3.98	3.18	3.04	4.38	4.10	4.24	3.79	6.30
Rhode Island	2.22	2.24	2.23	3.14	2.21	2.22	2.24	2.31
South Carolina	3.41	3.27	3.42	3.90	3.48	3.20	3.56	4.01
South Dakota	3.40	3.49	3.65	4.16	4.01	4.19	4.60	4.72
Tennessee	3.11	3.14	3.21	4.06	3.45	3.49	3.80	4.03
Texas	3.60	3.87	3.79	4.19	4.37	3.90	4.17	3.73
Utah	6.06	6.05	5.61	5.70	5.96	4.84	5.49	4.18
Vermont	6.93	5.98	5.52	6.33	5.93	5.08	4.59	5.96
Virginia	3.72	3.31	3.40	4.87	4.36	4.07	4.75	5.61
Washington	3.12	3.63	3.21	4.42	3.46	3.51	4.25	5.08
West Virginia	3.26	3.38	3.13	4.00	3.63	3.57	3.60	4.77
Wisconsin	3.57	3.85	3.62	4.71	3.96	4.21	4.25	5.61
Wyoming	3.47	3.75	3.62	4.36	3.89	3.88	4.09	3.89
Total	3.49	3.48	3.39	4.26	3.75	3.69	4.00	4.56

See footnotes at end of table.

Table 19. Average citygate price, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	4.04	3.94	3.96	3.84	4.08	4.12	3.89	4.18
Alaska	5.80	5.60	5.61	5.80	6.22	6.86	7.21	7.43
Arizona	4.53	4.55	4.29	3.81	3.95	5.45	5.08	4.52
Arkansas	6.92	7.11	6.56	5.52	6.31	4.87	4.27	4.48
California	3.55	3.56	3.42	2.96	3.13	3.27	3.30	3.58
Colorado	5.59	5.33	5.20	4.22	4.11	4.45	4.24	3.92
Connecticut	4.45	4.58	4.58	4.49	3.28	3.89	4.50	4.26
Delaware	10.03	10.56	10.05	9.71	6.31	4.89	5.29	4.62
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.44	4.87	5.12	4.85	5.24	6.30	5.25	5.33
Georgia	4.16	4.16	4.23	3.93	4.04	3.81	3.56	3.89
Hawaii	17.72	22.97	25.54	22.92	19.95	18.30	17.90	13.58
Idaho	4.50	4.65	3.99	3.81	3.42	4.86	4.66	4.27
Illinois	4.75	5.12	4.09	3.95	3.54	3.81	4.06	3.87
Indiana	4.82	4.57	4.61	4.26	3.55	4.23	4.09	4.23
Iowa	4.61	4.54	3.63	4.32	4.12	4.69	4.26	4.81
Kansas	5.66	5.39	6.04	5.72	3.64	4.35	4.25	5.27
Kentucky	3.41	3.44	3.97	3.78	3.75	4.24	4.04	4.48
Louisiana	3.28	3.48	3.22	3.04	3.08	3.69	3.86	4.15
Maine	5.39	9.76	7.37	7.25	6.30	9.28	11.79	10.83
Maryland	8.89	7.53	6.67	5.94	4.14	4.40	5.60	4.61
Massachusetts	7.15	7.30	6.25	6.74	3.93	4.96	7.43	5.44
Michigan	3.82	3.82	3.92	3.71	3.84	4.38	4.55	4.63
Minnesota	4.52	4.68	4.29	3.66	3.83	5.36	4.69	4.72
Mississippi	3.82	3.81	3.83	3.64	3.46	4.07	3.63	4.37
Missouri	7.26	7.35	6.97	6.51	5.47	4.50	4.24	4.41
Montana	3.36	3.43	3.24	3.56	3.44	4.54	4.34	4.53
Nebraska	4.16	4.11	3.65	4.71	3.93	4.87	4.29	5.19
Nevada	4.64	4.53	4.15	3.89	3.95	4.70	4.79	4.49
New Hampshire	7.17	7.87	9.74	5.52	4.46	6.46	10.71	10.03
New Jersey	4.84	4.70	4.78	4.73	4.48	5.09	5.64	4.66
New Mexico	3.74	3.64	3.55	3.17	3.56	3.77	3.56	3.62
New York	7.07	7.01	6.26	5.72	2.94	3.19	4.43	3.84
North Carolina	4.68	4.64	4.62	4.46	4.05	3.71	3.87	3.90
North Dakota	4.32	3.56	3.59	3.46	4.08	4.85	4.77	5.03
Ohio	3.04	3.24	3.98	4.21	4.51	4.79	4.78	4.83
Oklahoma	5.43	5.17	4.82	4.23	4.34	4.46	4.44	5.21
Oregon	5.84	6.30	5.36	5.37	4.68	4.83	4.84	4.67
Pennsylvania	6.22	5.85	5.60	6.65	4.51	4.28	4.10	4.30
Rhode Island	2.41	2.52	2.66	2.83	3.09	3.59	3.63	3.61
South Carolina	3.96	3.97	4.07	4.09	4.11	4.11	4.02	4.23
South Dakota	4.44	4.11	3.81	3.01	3.21	4.02	4.46	4.57
Tennessee	4.00	4.12	4.14	4.60	3.95	4.32	4.17	4.30
Texas	3.86	3.94	3.71	3.58	3.74	4.17	4.31	4.93
Utah	3.96	4.34	3.99	5.69	5.99	6.40	6.81	6.35
Vermont	6.34	6.39	7.22	8.35	6.55	6.62	6.84	6.59
Virginia	7.36	7.00	6.62	6.69	4.52	4.01	5.33	4.56
Washington	5.84	5.29	5.24	5.10	4.19	4.96	4.89	4.79
West Virginia	4.72	5.37	4.49	4.06	3.62	3.99	4.04	4.13
Wisconsin	5.95	5.68	5.79	4.47	4.10	4.98	4.76	5.01
Wyoming	3.50	3.06	3.55	4.32	4.31	4.67	4.95	5.52
Total	4.59	4.65	4.44	4.25	3.93	4.35	4.57	4.48

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017
(dollars per thousand cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD					
				November	October	September	August	2017 July
Alabama	16.63	14.02	14.09	17.22	22.49	22.98	23.31	22.48
Alaska	10.50	9.87	9.79	10.66	11.18	12.14	13.40	13.73
Arizona	NA	15.67	18.00	17.47	20.02	22.16	23.32	22.64
Arkansas	13.16	11.26	11.71	12.81	19.53	20.37	21.40	20.16
California	12.61	11.64	11.39	11.42	12.11	12.29	12.54	12.56
Colorado	8.31	7.54	8.64	7.38	8.43	12.15	13.77	14.69
Connecticut	14.32	13.12	12.56	13.43	19.85	21.76	22.67	22.06
Delaware	NA	11.97	12.77	NA	21.98	NA	24.57	22.77
District of Columbia	NA	10.96	12.17	13.75	19.76	20.23	NA	19.00
Florida	NA	20.39	19.36	22.32	24.82	NA	26.45	25.25
Georgia	19.66	15.06	14.69	15.46	23.69	33.30	34.71	34.82
Hawaii	38.82	36.37	40.25	39.91	39.77	39.98	40.28	39.99
Idaho	7.80	8.42	8.78	7.12	7.39	9.42	10.82	11.21
Illinois	NA	8.16	8.22	7.40	10.40	16.65	NA	16.75
Indiana	NA	8.30	9.21	7.77	10.46	17.62	NA	20.05
Iowa	NA	8.43	8.70	9.73	13.43	NA	17.45	17.73
Kansas	NA	10.16	10.58	NA	14.44	21.40	22.95	22.06
Kentucky	12.45	10.48	11.06	10.76	14.95	22.77	25.06	24.75
Louisiana	13.54	11.37	10.77	13.34	16.63	16.60	17.42	16.56
Maine	14.79	13.98	17.24	14.12	18.92	23.14	24.48	23.46
Maryland	NA	11.68	11.92	12.42	NA	20.03	22.15	20.74
Massachusetts	13.21	12.34	13.05	12.72	12.24	15.42	15.92	15.43
Michigan	8.58	8.40	8.98	7.61	9.44	12.11	13.70	14.37
Minnesota	8.67	8.17	9.09	7.81	9.01	12.06	13.53	13.49
Mississippi	12.36	10.27	9.70	11.50	16.59	18.15	18.22	17.56
Missouri	12.11	11.32	11.89	12.26	22.34	25.33	27.72	26.48
Montana	7.65	7.38	8.49	7.47	8.21	10.53	11.64	10.99
Nebraska	9.23	8.19	9.18	8.75	14.24	17.29	17.64	16.90
Nevada	8.91	10.75	12.47	9.97	11.06	12.81	14.10	13.23
New Hampshire	14.58	14.26	16.30	16.92	22.75	24.80	25.25	22.46
New Jersey	9.22	8.22	8.37	10.03	11.28	11.59	12.11	11.89
New Mexico	NA	8.13	8.96	NA	12.56	14.53	15.40	14.74
New York	NA	11.03	11.17	12.98	NA	17.98	18.91	19.01
North Carolina	NA	11.49	11.41	12.04	19.83	23.08	23.35	NA
North Dakota	NA	7.61	8.64	6.48	9.11	15.63	20.51	21.86
Ohio	NA	9.28	9.77	8.83	15.26	23.50	27.41	26.48
Oklahoma	11.83	10.98	10.66	11.13	24.50	26.66	29.02	25.88
Oregon	10.92	12.34	12.86	10.59	11.34	14.91	16.94	15.65
Pennsylvania	NA	10.37	11.17	11.36	NA	17.52	20.08	19.38
Rhode Island	14.02	13.91	14.32	15.34	19.30	19.93	20.19	19.15
South Carolina	NA	12.86	12.27	12.88	19.43	25.13	NA	24.78
South Dakota	NA	7.81	8.61	7.72	11.09	NA	14.72	14.62
Tennessee	10.86	9.29	9.67	10.46	16.22	17.42	19.61	18.95
Texas	14.06	11.87	10.81	14.58	20.96	22.10	23.75	21.25
Utah	8.95	9.15	9.92	9.15	8.22	10.38	11.22	10.88
Vermont	14.14	14.30	14.63	15.30	19.67	20.96	22.20	21.43
Virginia	NA	11.03	11.58	12.28	NA	21.38	22.75	21.46
Washington	10.79	10.96	12.26	10.22	10.91	13.81	16.04	15.37
West Virginia	NA	9.47	10.67	9.39	11.23	14.13	17.47	NA
Wisconsin	8.61	8.22	8.70	7.87	9.12	13.59	14.32	15.04
Wyoming	9.16	8.74	9.78	8.44	9.54	15.04	17.84	17.24
Total	11.31	10.24	10.53	10.26	13.50	17.01	18.32	17.96

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	21.45	20.87	16.43	14.73	14.90	13.70	14.05	14.28
Alaska	12.79	11.00	10.23	9.58	9.62	9.45	9.81	9.51
Arizona	20.40	18.12	16.75	15.26	NA	12.65	15.28	12.70
Arkansas	18.26	15.66	14.03	12.53	11.82	10.41	11.17	10.66
California	13.16	12.98	12.52	12.42	12.67	13.11	11.84	13.08
Colorado	12.66	9.16	8.03	7.91	7.44	6.85	7.35	6.46
Connecticut	18.84	16.63	13.82	12.31	13.19	12.40	12.91	11.73
Delaware	18.79	15.97	12.03	11.30	11.01	10.61	11.88	11.38
District of Columbia	17.71	16.99	12.85	12.22	11.43	11.44	10.90	10.62
Florida	23.91	22.09	19.68	19.34	18.30	17.63	20.27	19.10
Georgia	31.71	29.43	19.56	14.71	14.58	12.72	14.56	11.96
Hawaii	37.63	39.21	38.06	38.69	37.91	36.66	36.48	37.57
Idaho	10.41	8.28	7.98	8.04	7.50	7.20	8.14	7.22
Illinois	15.18	11.01	10.13	7.87	8.32	7.51	7.88	6.74
Indiana	19.13	11.68	11.66	7.73	8.63	7.67	7.92	6.41
Iowa	15.03	10.88	8.99	7.75	8.02	7.65	8.13	6.93
Kansas	19.78	NA	13.06	10.18	10.00	8.64	9.85	8.62
Kentucky	24.23	18.26	13.84	10.50	10.99	9.33	10.14	8.65
Louisiana	15.53	14.99	13.65	12.80	12.38	10.96	11.32	11.00
Maine	17.86	14.97	14.11	13.03	13.70	13.71	13.82	12.87
Maryland	NA	16.95	14.99	11.14	12.57	11.64	11.53	10.84
Massachusetts	13.45	13.60	13.19	12.88	13.09	12.89	12.46	13.15
Michigan	13.16	9.83	9.16	7.72	7.93	7.54	8.21	7.35
Minnesota	12.60	9.79	8.52	7.70	8.14	8.13	8.01	7.31
Mississippi	16.25	15.14	12.93	10.73	10.77	10.10	10.06	8.87
Missouri	21.51	15.45	12.34	10.48	9.32	8.27	10.94	9.09
Montana	9.59	8.08	7.51	7.38	7.29	6.73	7.27	6.74
Nebraska	14.24	10.43	8.76	7.92	7.98	7.42	8.01	7.05
Nevada	11.62	10.63	8.99	7.76	7.10	6.96	10.23	7.57
New Hampshire	16.35	14.31	12.22	12.75	13.60	13.26	14.25	14.19
New Jersey	10.31	9.68	8.33	8.67	8.51	8.72	8.30	8.75
New Mexico	12.43	10.19	8.81	7.87	7.97	7.67	8.05	7.64
New York	16.16	14.38	11.04	10.76	10.98	9.81	10.84	9.61
North Carolina	22.62	19.47	NA	NA	13.85	11.78	11.31	10.61
North Dakota	19.62	NA	7.60	6.47	6.80	5.94	7.21	5.68
Ohio	23.74	NA	10.31	7.77	8.19	7.16	9.03	7.80
Oklahoma	21.81	15.88	13.15	10.27	8.77	7.12	10.57	8.37
Oregon	14.51	12.41	11.15	10.83	10.04	9.30	11.67	9.34
Pennsylvania	16.82	13.15	11.71	10.35	10.35	NA	10.18	9.21
Rhode Island	16.38	15.11	13.18	12.79	12.72	12.58	13.80	13.03
South Carolina	24.43	22.07	17.21	11.84	15.11	13.46	12.62	11.62
South Dakota	12.10	9.12	7.78	7.51	7.86	6.93	7.60	6.73
Tennessee	17.12	14.34	11.11	9.75	9.41	8.67	9.21	8.78
Texas	18.83	17.36	15.84	12.44	10.77	9.71	11.73	10.84
Utah	9.56	8.36	9.15	9.18	8.79	8.40	9.12	8.99
Vermont	17.88	14.90	12.83	12.42	12.37	12.69	14.15	13.13
Virginia	19.19	NA	14.00	NA	12.17	10.49	10.88	10.16
Washington	14.64	12.02	10.66	10.23	10.03	9.75	10.78	10.06
West Virginia	17.59	11.54	9.53	8.45	8.37	8.17	9.26	8.22
Wisconsin	12.99	8.99	9.03	7.49	7.56	8.05	8.07	7.41
Wyoming	12.39	10.06	9.31	8.50	8.08	7.50	8.51	7.32
Total	16.13	13.32	11.38	9.90	10.07	9.38	10.05	9.06

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State								2016
	November	October	September	August	July	June	May	April
Alabama	19.09	21.22	21.14	21.27	20.57	19.31	17.16	14.45
Alaska	9.73	10.07	11.34	12.66	12.98	12.14	10.41	9.63
Arizona	15.69	18.72	20.81	22.42	21.61	19.59	17.54	16.63
Arkansas	17.46	18.13	18.76	18.56	16.74	15.32	13.66	10.84
California	12.33	13.31	13.26	12.82	11.90	11.31	11.45	10.44
Colorado	7.38	9.71	12.07	14.22	13.96	12.46	7.07	6.84
Connecticut	13.29	16.63	22.19	24.07	21.76	19.19	15.04	12.88
Delaware	13.77	19.82	22.52	24.25	21.38	17.57	13.46	11.49
District of Columbia	13.28	12.53	18.63	19.25	17.60	14.70	12.03	10.10
Florida	23.55	26.53	25.75	26.80	26.17	23.35	21.72	20.29
Georgia	16.02	24.58	26.17	25.18	25.15	23.87	19.44	15.76
Hawaii	34.17	37.56	35.43	34.94	34.84	42.65	39.99	36.94
Idaho	7.37	8.24	9.49	10.16	9.88	9.80	9.21	8.94
Illinois	8.71	12.16	16.72	17.33	16.49	12.62	10.48	7.53
Indiana	8.48	11.92	17.65	18.47	18.89	16.47	10.09	7.76
Iowa	10.22	14.77	16.31	17.64	16.05	13.28	8.74	7.53
Kansas	9.29	18.34	19.96	21.74	20.13	18.92	13.42	11.08
Kentucky	11.45	19.46	22.92	24.45	23.07	20.15	14.84	10.32
Louisiana	14.93	16.22	15.84	16.62	15.93	13.87	13.13	11.10
Maine	13.30	15.75	21.33	22.79	21.88	17.99	13.46	12.56
Maryland	13.22	17.39	20.27	20.97	19.83	15.79	12.44	11.30
Massachusetts	13.27	13.70	14.97	15.22	14.42	12.73	12.35	11.91
Michigan	7.98	9.39	12.85	14.65	13.51	13.02	9.65	7.84
Minnesota	7.98	9.51	13.20	13.37	13.50	11.71	9.87	7.62
Mississippi	13.44	15.88	15.19	15.99	15.67	13.92	12.95	10.76
Missouri	15.25	21.71	24.01	26.41	24.86	19.73	15.60	11.32
Montana	7.37	7.93	10.06	11.11	10.33	8.36	7.19	6.77
Nebraska	10.07	13.31	15.73	16.13	15.03	12.37	9.25	7.63
Nevada	9.70	11.49	13.81	14.42	14.63	12.99	11.92	11.25
New Hampshire	14.97	19.46	24.66	24.61	23.02	18.19	13.97	12.22
New Jersey	9.37	10.25	11.74	12.12	11.33	10.64	9.37	8.86
New Mexico	10.06	12.56	14.49	15.18	13.85	11.38	8.73	7.48
New York	10.95	14.87	17.33	17.85	16.64	14.69	10.99	9.88
North Carolina	11.89	18.54	21.70	21.26	22.51	19.62	16.42	13.11
North Dakota	6.96	8.49	16.28	20.06	20.50	19.20	9.52	6.90
Ohio	10.00	18.54	25.79	26.95	25.16	19.01	11.57	7.94
Oklahoma	18.86	24.82	26.09	28.99	24.71	19.80	16.73	10.96
Oregon	11.37	11.81	14.32	16.61	16.56	15.90	15.29	13.81
Pennsylvania	10.62	13.58	18.88	19.48	18.34	15.62	11.38	9.91
Rhode Island	14.27	17.92	20.26	20.37	19.20	16.89	14.49	13.42
South Carolina	13.55	22.15	25.25	25.55	26.86	24.09	18.62	15.18
South Dakota	9.58	10.46	13.36	14.15	13.48	11.34	7.74	6.87
Tennessee	12.18	17.97	17.59	18.95	17.12	14.81	12.59	9.53
Texas	18.66	20.34	21.23	22.99	19.53	16.71	16.50	11.75
Utah	9.91	9.23	10.12	10.76	10.67	9.81	8.89	8.96
Vermont	14.31	18.75	22.57	23.02	21.11	18.40	14.26	13.30
Virginia	12.69	16.02	20.91	20.99	19.60	15.27	12.49	10.47
Washington	11.05	11.53	13.92	16.14	15.24	13.58	11.62	10.55
West Virginia	8.92	11.65	16.69	18.41	17.03	15.58	11.72	9.36
Wisconsin	8.25	9.19	14.28	15.04	14.30	10.56	8.63	7.57
Wyoming	8.77	10.25	15.68	16.54	16.97	11.27	8.49	8.24
Total	10.77	13.74	16.78	17.60	16.55	14.43	11.62	9.65

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2016			2015				
	March	February	January	Total	December	November	October	September
Alabama	12.16	11.26	12.15	14.13	14.47	17.89	19.36	20.73
Alaska	9.09	8.99	8.87	9.64	8.76	8.86	9.40	9.81
Arizona	18.16	13.91	12.06	17.04	12.75	14.57	20.78	23.01
Arkansas	10.27	9.01	9.49	11.58	10.47	13.97	17.62	18.97
California	10.54	11.46	11.39	11.39	11.38	10.31	11.54	11.92
Colorado	6.68	6.45	6.07	8.27	6.48	6.92	9.31	13.17
Connecticut	11.74	10.67	10.34	12.50	11.84	12.53	15.33	21.54
Delaware	10.26	9.73	10.11	12.62	11.09	14.03	18.50	23.22
District of Columbia	10.27	9.12	9.53	11.98	10.25	12.06	15.52	17.40
Florida	17.88	15.31	16.52	19.34	19.22	21.63	23.45	24.50
Georgia	12.50	10.56	10.40	14.62	13.97	14.73	19.81	24.96
Hawaii	37.08	33.73	33.45	40.08	38.28	38.53	37.46	36.41
Idaho	8.79	8.23	8.00	8.59	7.87	7.71	8.90	9.53
Illinois	7.08	6.30	5.83	7.97	6.30	7.13	9.70	15.39
Indiana	8.07	6.41	6.01	8.92	6.93	7.34	9.29	15.25
Iowa	7.33	6.52	6.53	8.51	7.31	8.43	13.18	16.44
Kansas	9.43	7.89	7.27	10.17	7.79	7.97	14.33	19.63
Kentucky	8.75	7.61	7.85	10.87	9.35	10.99	16.11	21.00
Louisiana	10.30	8.52	9.23	10.77	10.76	13.65	14.88	15.65
Maine	12.97	13.07	13.19	16.79	13.17	12.75	15.03	21.77
Maryland	10.85	9.30	9.78	12.03	13.09	12.69	13.48	19.36
Massachusetts	11.60	11.97	11.88	13.02	12.69	11.18	10.75	13.26
Michigan	7.82	7.61	7.29	8.81	7.57	7.91	8.96	13.26
Minnesota	7.66	7.12	7.05	8.79	7.12	7.67	9.27	12.68
Mississippi	9.02	7.96	8.43	9.70	9.70	12.11	13.94	15.36
Missouri	9.32	8.13	7.99	11.60	9.51	13.97	20.52	23.90
Montana	7.02	6.90	6.81	8.21	6.81	7.35	9.01	11.04
Nebraska	7.02	6.52	6.45	8.86	6.83	9.43	13.81	15.57
Nevada	10.84	9.75	9.12	11.82	8.96	10.80	14.95	16.14
New Hampshire	11.76	12.70	14.05	16.18	15.06	14.11	17.88	22.91
New Jersey	8.12	6.79	6.48	8.32	7.80	9.03	10.24	12.30
New Mexico	7.06	6.44	6.35	8.63	6.76	8.27	13.08	14.85
New York	9.65	9.45	10.31	11.20	11.43	12.26	14.24	17.50
North Carolina	12.62	9.06	8.76	11.57	12.87	12.15	14.61	21.77
North Dakota	6.30	5.60	5.49	8.15	5.60	6.56	9.57	16.93
Ohio	7.07	6.37	6.42	9.51	7.41	9.69	15.37	24.33
Oklahoma	8.92	6.81	6.53	10.24	7.34	14.37	23.34	25.17
Oregon	12.08	11.97	10.36	12.49	10.90	12.75	13.61	14.52
Pennsylvania	9.51	8.64	8.75	11.04	9.82	10.53	12.23	18.26
Rhode Island	12.64	12.35	12.73	14.24	13.49	15.48	19.04	21.00
South Carolina	13.47	9.75	9.04	12.62	15.32	14.87	16.32	23.88
South Dakota	7.14	6.59	6.29	8.30	6.63	8.04	10.43	14.36
Tennessee	7.88	7.27	7.40	9.62	9.22	11.74	14.40	17.34
Texas	10.12	7.87	7.85	10.64	9.33	15.52	19.22	20.94
Utah	9.51	8.79	8.59	9.72	8.75	9.22	10.85	10.89
Vermont	12.66	12.53	13.24	14.56	13.84	14.89	18.41	23.16
Virginia	10.04	8.63	9.30	11.64	12.14	11.77	15.88	19.54
Washington	10.34	9.90	9.53	11.81	9.75	9.88	13.01	14.49
West Virginia	8.82	8.31	8.31	10.48	8.86	9.62	12.22	17.56
Wisconsin	7.39	7.24	7.46	8.54	7.46	7.98	8.51	12.94
Wyoming	7.61	7.62	7.33	9.33	7.05	8.44	12.66	15.66
Total	9.19	8.36	8.28	10.38	9.27	10.02	12.60	16.40

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	20.85	20.60	19.60	17.89	15.36	12.15	12.21	12.79
Alaska	11.41	11.66	11.29	10.87	10.03	9.68	9.64	9.51
Arizona	24.01	23.60	21.53	19.21	18.94	18.94	18.88	14.36
Arkansas	19.43	17.75	16.15	13.90	11.66	9.98	10.90	10.65
California	11.86	11.69	11.73	11.35	10.93	11.29	11.53	11.68
Colorado	13.68	14.38	11.28	9.25	8.07	8.50	7.97	8.05
Connecticut	19.36	18.26	17.41	14.40	12.54	11.00	11.10	11.67
Delaware	23.75	21.80	20.74	16.05	12.74	11.27	11.33	11.23
District of Columbia	17.38	16.93	16.63	14.34	12.16	11.94	10.50	11.34
Florida	24.67	24.40	22.66	21.30	18.82	16.23	15.98	16.65
Georgia	24.03	24.71	23.63	19.84	15.91	12.21	11.05	11.66
Hawaii	37.50	45.21	48.71	45.31	40.85	39.78	38.87	35.07
Idaho	10.93	10.69	10.08	9.21	8.86	9.12	8.79	8.64
Illinois	16.41	15.14	13.63	11.47	8.42	7.45	6.46	7.30
Indiana	17.74	17.99	17.88	13.44	10.66	9.24	7.55	8.13
Iowa	17.39	15.71	13.01	10.07	8.50	7.75	7.14	7.52
Kansas	20.73	19.33	17.65	14.49	13.64	9.74	8.59	9.19
Kentucky	22.21	23.11	21.52	17.11	12.94	8.96	8.92	9.48
Louisiana	16.29	15.26	14.79	13.38	11.12	8.71	9.09	9.22
Maine	22.85	20.77	17.13	16.58	17.33	17.52	17.45	17.91
Maryland	19.04	18.40	18.32	16.78	11.48	10.71	10.10	11.18
Massachusetts	13.82	13.29	12.18	12.74	12.71	12.44	13.59	14.51
Michigan	13.57	13.69	12.54	10.54	8.89	8.37	8.39	8.61
Minnesota	12.93	13.22	13.46	10.59	8.85	9.45	8.23	8.56
Mississippi	15.79	14.84	14.40	12.92	10.53	8.23	8.25	8.14
Missouri	25.52	24.26	20.80	17.02	12.66	9.26	9.63	9.46
Montana	11.79	11.68	10.00	8.43	8.20	8.01	8.16	8.33
Nebraska	15.66	14.76	12.18	10.32	9.15	7.91	7.89	8.31
Nevada	16.41	16.72	15.51	14.34	13.30	11.84	11.40	10.42
New Hampshire	22.68	19.23	16.48	15.12	15.10	15.33	16.20	17.43
New Jersey	12.42	11.96	11.35	9.56	7.33	7.49	7.82	7.81
New Mexico	14.92	14.55	11.79	9.92	8.92	7.56	7.37	8.05
New York	17.30	17.09	16.26	12.68	10.19	9.34	9.79	10.51
North Carolina	21.94	21.14	20.97	17.62	14.25	10.08	8.93	10.05
North Dakota	19.37	21.03	17.34	10.19	8.59	7.52	7.02	7.85
Ohio	25.48	23.85	19.97	13.51	9.15	7.77	7.54	7.91
Oklahoma	26.60	23.07	19.17	15.76	12.21	7.52	8.07	7.83
Oregon	17.18	16.28	15.62	14.07	11.84	13.30	12.43	11.23
Pennsylvania	18.56	17.77	15.77	13.63	10.81	10.03	10.31	10.53
Rhode Island	20.94	19.74	17.85	15.79	13.88	13.07	12.93	13.23
South Carolina	22.71	24.58	24.51	21.17	16.87	10.64	8.81	10.17
South Dakota	14.99	14.53	12.35	9.18	8.46	8.04	7.58	7.71
Tennessee	19.64	17.60	16.14	14.17	10.41	7.57	8.47	8.72
Texas	21.12	18.29	16.60	15.80	11.62	7.94	7.96	8.65
Utah	10.84	10.69	9.90	9.54	9.98	9.99	10.40	9.44
Vermont	23.04	21.69	19.41	15.81	13.73	13.09	13.00	13.79
Virginia	21.20	20.34	19.54	15.69	11.62	10.17	9.31	10.81
Washington	17.18	16.99	16.73	14.23	12.22	12.06	11.83	11.46
West Virginia	19.08	19.83	17.05	12.88	10.93	9.90	9.79	9.80
Wisconsin	14.20	13.41	13.24	9.38	6.93	8.38	8.11	8.60
Wyoming	16.07	15.70	11.34	9.65	9.49	8.78	8.98	8.77
Total	16.88	16.28	15.07	12.73	10.43	9.28	9.08	9.50

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: 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, 2015-2017
(dollars per thousand cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD					
				November	October	September	August	July
Alabama	12.23	10.60	11.21	12.36	12.79	13.19	13.27	13.31
Alaska	9.89	8.27	8.08	10.12	10.46	11.13	11.63	11.76
Arizona	8.87	8.93	10.73	9.36	9.32	9.27	9.42	9.14
Arkansas	NA	7.08	8.53	8.59	NA	8.72	9.28	9.31
California	8.79	8.23	8.01	8.01	7.79	7.96	8.32	8.41
Colorado	7.26	6.47	7.73	6.86	7.24	9.21	9.15	9.52
Connecticut	9.51	8.91	8.64	8.72	10.64	10.73	11.17	10.99
Delaware	NA	9.54	10.85	NA	12.79	NA	13.67	13.06
District of Columbia	11.50	9.89	11.21	11.55	11.70	11.91	12.71	12.49
Florida	NA	10.38	10.87	11.26	11.24	NA	NA	11.06
Georgia	8.89	7.98	8.65	8.51	9.01	9.31	9.68	9.34
Hawaii	29.54	26.97	31.40	30.74	29.58	30.32	30.86	29.57
Idaho	6.67	7.28	7.70	6.27	6.25	7.13	7.15	7.60
Illinois	8.13	7.30	7.45	6.61	7.92	12.11	13.63	12.46
Indiana	7.95	6.74	7.78	6.81	7.31	10.00	11.66	11.40
Iowa	6.91	6.00	6.63	6.56	6.58	9.13	9.36	9.64
Kansas	NA	8.58	9.14	8.21	10.22	14.29	13.51	13.75
Kentucky	9.50	7.97	8.87	8.84	10.31	12.01	13.01	12.18
Louisiana	NA	7.82	8.01	8.85	8.72	8.78	8.76	8.82
Maine	11.33	10.63	14.52	10.90	11.57	12.32	12.77	13.05
Maryland	NA	8.96	9.76	10.15	12.15	12.69	12.46	NA
Massachusetts	NA	9.39	10.89	9.53	NA	9.86	10.08	10.10
Michigan	7.11	6.97	7.62	6.57	7.53	8.42	9.59	9.12
Minnesota	6.88	6.47	7.51	6.26	6.50	7.47	8.12	7.75
Mississippi	9.07	7.76	7.89	8.94	8.87	9.47	8.90	8.91
Missouri	8.52	7.93	9.30	9.23	10.60	10.70	11.24	11.07
Montana	7.42	7.21	8.32	7.25	7.73	8.82	9.68	9.65
Nebraska	6.47	5.40	6.56	6.17	6.56	6.86	6.74	7.17
Nevada	5.66	7.08	8.88	6.40	6.48	6.50	6.75	6.40
New Hampshire	11.69	11.28	13.75	12.78	15.10	16.06	16.06	15.28
New Jersey	9.03	7.81	8.53	9.37	9.01	8.54	9.37	9.74
New Mexico	NA	5.63	6.47	NA	NA	7.31	7.33	7.46
New York	6.78	6.14	6.86	6.58	6.44	5.96	5.89	6.56
North Carolina	NA	7.61	8.13	8.73	9.02	9.25	9.07	NA
North Dakota	6.01	5.45	6.87	5.66	5.91	6.46	7.13	7.63
Ohio	6.36	5.75	6.60	5.55	6.63	7.53	7.91	7.84
Oklahoma	NA	7.87	8.38	NA	14.90	15.36	16.26	15.05
Oregon	8.96	9.63	10.31	8.70	8.98	9.99	10.60	10.20
Pennsylvania	NA	8.19	9.45	8.82	10.38	11.14	11.58	11.99
Rhode Island	11.29	11.28	12.09	12.45	15.04	15.45	15.73	15.38
South Carolina	9.32	8.28	8.37	9.35	8.60	9.10	8.90	9.09
South Dakota	6.22	5.62	6.36	6.02	6.01	7.57	7.74	7.69
Tennessee	8.92	7.73	8.47	8.90	9.57	9.48	9.75	9.64
Texas	NA	6.80	6.97	7.80	8.30	8.44	8.46	8.27
Utah	7.28	7.39	8.05	7.34	6.44	7.07	7.40	7.28
Vermont	NA	6.52	7.95	6.17	6.07	6.04	6.05	6.29
Virginia	NA	7.17	8.15	8.32	NA	NA	9.31	9.07
Washington	NA	8.56	10.11	8.08	8.28	9.07	9.78	9.40
West Virginia	7.60	7.87	9.11	7.80	8.51	8.87	9.31	9.48
Wisconsin	6.61	6.24	6.85	6.49	5.83	6.92	6.85	7.02
Wyoming	6.96	6.54	7.64	6.74	6.95	7.41	7.45	7.65
Total	7.97	7.28	8.00	7.54	7.96	8.48	8.75	8.84

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	12.98	12.91	12.35	11.66	11.52	11.31	10.65	11.12
Alaska	11.15	9.86	9.51	9.23	9.29	9.27	8.34	8.75
Arizona	8.95	8.88	9.02	8.87	8.26	8.22	8.83	8.03
Arkansas	9.20	8.83	8.60	8.29	8.16	7.63	7.14	7.59
California	8.76	8.70	8.83	9.49	9.35	9.62	8.42	9.96
Colorado	9.00	7.27	6.97	7.09	6.91	6.56	6.42	6.17
Connecticut	10.70	10.75	9.25	8.33	9.52	8.62	8.79	7.92
Delaware	11.92	11.18	10.15	9.97	9.82	9.64	9.58	9.88
District of Columbia	12.88	12.15	11.60	11.58	11.16	9.92	9.88	9.85
Florida	11.15	11.09	10.95	11.02	11.13	10.67	10.42	10.88
Georgia	9.77	9.37	9.08	8.52	8.83	8.37	7.92	7.57
Hawaii	28.42	29.16	29.15	29.62	29.34	28.33	27.02	27.61
Idaho	7.44	7.11	7.15	6.93	6.60	6.33	7.12	6.50
Illinois	12.55	10.22	9.16	7.26	7.61	6.92	7.14	6.45
Indiana	11.52	9.09	9.65	6.90	7.76	7.10	6.55	5.75
Iowa	9.05	7.83	6.89	6.17	6.45	6.46	5.99	5.96
Kansas	13.21	NA	10.24	9.37	9.22	8.42	8.41	7.64
Kentucky	12.73	11.45	10.45	8.74	8.94	7.83	7.89	7.49
Louisiana	8.86	8.84	8.70	NA	NA	NA	7.92	8.81
Maine	11.41	10.93	11.22	10.82	11.34	11.54	10.63	10.63
Maryland	12.60	12.02	11.77	9.29	10.06	9.62	8.94	8.83
Massachusetts	9.11	9.94	NA	9.77	9.93	9.79	9.48	10.07
Michigan	8.94	7.87	7.26	6.76	6.82	6.61	6.90	6.56
Minnesota	8.14	7.07	6.82	6.39	6.97	7.11	6.44	6.31
Mississippi	8.67	9.06	9.15	8.89	9.32	9.25	7.80	8.10
Missouri	9.84	9.04	8.40	8.16	7.64	7.28	7.89	7.70
Montana	8.85	7.82	7.26	7.21	7.24	6.70	7.13	6.73
Nebraska	6.63	6.68	6.02	6.38	6.69	6.37	5.45	5.79
Nevada	5.90	5.85	5.38	5.14	5.02	5.09	6.84	5.37
New Hampshire	12.45	11.49	10.15	10.63	11.68	11.26	11.36	11.91
New Jersey	8.79	8.84	7.83	8.95	8.97	9.58	7.93	8.60
New Mexico	6.98	6.47	6.09	5.98	6.42	6.19	5.68	6.05
New York	6.80	6.82	6.85	7.06	7.43	6.74	6.18	6.49
North Carolina	NA	10.59	10.08	NA	9.94	8.77	7.71	8.36
North Dakota	7.55	6.51	5.66	5.66	6.30	5.73	5.45	5.43
Ohio	7.84	6.86	6.26	5.94	6.17	6.10	5.74	5.68
Oklahoma	13.48	11.55	9.69	8.01	6.97	6.01	7.72	6.86
Oregon	10.35	9.51	9.18	9.03	8.57	8.22	9.30	7.88
Pennsylvania	11.65	10.10	NA	8.93	8.62	8.36	8.15	7.94
Rhode Island	13.10	12.02	10.63	10.42	10.45	10.02	11.16	10.27
South Carolina	8.99	8.69	9.71	8.63	10.20	10.36	8.42	9.48
South Dakota	7.47	6.31	5.88	5.82	6.48	5.82	5.64	5.72
Tennessee	9.50	9.22	8.85	8.59	8.64	8.42	7.80	8.23
Texas	7.78	NA	7.70	7.27	7.59	7.48	6.89	7.60
Utah	6.83	6.51	7.47	7.71	7.48	7.29	7.43	7.65
Vermont	NA	6.94	7.57	7.35	7.61	8.07	6.63	7.48
Virginia	9.51	NA	9.60	NA	8.75	7.72	7.23	7.55
Washington	NA	NA	8.20	8.15	8.16	7.96	8.49	8.14
West Virginia	9.42	8.22	7.66	7.04	6.97	6.92	7.75	7.10
Wisconsin	6.68	6.06	6.92	6.37	6.47	7.05	6.29	6.50
Wyoming	7.41	7.12	7.09	6.96	6.97	6.56	6.54	6.52
Total	8.76	8.30	8.08	7.68	7.90	7.59	7.28	7.27

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016							
	November	October	September	August	July	June	May	April
Alabama	12.08	11.82	11.69	11.75	11.61	11.19	10.50	10.51
Alaska	8.68	8.85	8.71	8.78	9.07	8.41	8.00	7.90
Arizona	8.22	8.52	8.64	8.65	8.74	8.73	8.81	9.10
Arkansas	8.63	7.01	6.89	7.16	6.90	7.22	7.11	6.85
California	9.28	9.08	9.16	8.74	8.07	7.43	7.33	7.18
Colorado	6.61	8.00	8.42	9.26	8.36	7.63	6.14	5.96
Connecticut	8.60	9.99	10.64	11.73	11.14	11.81	9.86	9.36
Delaware	10.36	11.42	11.86	12.11	11.50	10.86	10.03	9.33
District of Columbia	11.59	9.37	11.21	11.82	11.64	10.85	9.83	9.83
Florida	10.61	10.64	10.56	10.33	10.31	10.25	10.04	10.12
Georgia	8.78	9.29	9.54	9.58	9.35	8.72	8.38	8.15
Hawaii	25.04	27.71	27.32	25.57	25.24	32.82	30.04	28.09
Idaho	6.49	6.99	7.69	7.64	7.72	7.81	7.71	7.82
Illinois	8.08	9.04	12.31	12.77	12.26	10.93	9.48	6.99
Indiana	7.39	7.35	9.62	10.08	11.13	9.56	7.21	6.42
Iowa	6.48	6.86	7.53	8.14	7.82	7.12	5.81	5.55
Kansas	8.53	11.32	13.59	13.79	12.93	12.48	10.16	8.38
Kentucky	8.94	10.81	11.32	12.03	11.05	10.77	9.19	8.00
Louisiana	8.21	8.47	8.28	8.27	8.22	7.19	7.26	7.12
Maine	10.23	10.47	11.16	10.72	10.37	9.95	9.45	10.15
Maryland	10.06	10.89	11.78	11.49	11.34	9.65	8.11	8.20
Massachusetts	9.98	9.54	9.73	9.80	9.35	8.49	9.22	9.45
Michigan	6.94	7.58	9.02	9.32	8.66	8.51	7.29	6.63
Minnesota	6.28	6.74	7.89	7.80	7.91	7.09	6.41	6.17
Mississippi	8.56	8.10	7.55	7.49	7.61	7.03	7.51	8.04
Missouri	9.20	9.59	9.87	10.46	10.38	9.39	8.55	7.92
Montana	7.29	7.66	9.00	9.13	8.64	7.79	6.97	6.68
Nebraska	5.87	5.77	5.93	6.00	5.31	5.06	4.71	4.98
Nevada	5.78	6.24	6.87	6.89	7.22	7.08	7.04	7.25
New Hampshire	11.98	13.58	16.21	16.40	16.48	13.28	11.22	9.96
New Jersey	9.24	8.78	8.74	8.71	8.68	7.72	7.14	6.79
New Mexico	6.59	6.85	7.35	7.15	6.84	6.05	5.47	5.25
New York	5.96	5.58	5.32	5.29	5.57	5.76	6.02	6.20
North Carolina	8.05	7.95	8.19	8.30	8.77	8.52	8.02	7.78
North Dakota	5.60	5.82	6.74	7.29	7.01	6.68	5.36	4.62
Ohio	6.02	7.16	7.24	8.06	7.50	6.90	6.05	5.26
Oklahoma	12.31	14.46	14.76	15.04	13.81	12.31	10.89	8.09
Oregon	9.24	9.24	9.93	10.74	11.13	11.30	10.79	10.02
Pennsylvania	8.31	9.16	11.02	10.84	11.07	10.64	8.92	8.12
Rhode Island	11.48	14.53	16.35	15.78	15.43	13.58	11.51	10.79
South Carolina	9.01	9.02	8.56	8.48	8.71	7.79	7.43	8.36
South Dakota	5.97	6.30	7.16	7.90	6.98	6.46	5.07	4.94
Tennessee	9.06	9.78	9.10	9.49	8.70	8.30	7.63	7.61
Texas	8.25	8.52	8.15	8.26	7.52	6.73	6.84	6.14
Utah	7.50	6.71	6.84	7.10	7.02	6.84	6.77	7.37
Vermont	7.07	6.19	6.33	5.59	5.87	5.51	6.71	6.60
Virginia	7.54	7.68	8.67	8.40	8.20	7.66	7.17	6.59
Washington	8.60	8.78	9.45	9.87	9.37	9.64	8.09	7.99
West Virginia	7.50	8.72	9.99	10.27	10.14	9.78	9.00	7.89
Wisconsin	6.47	5.86	6.55	6.55	6.98	5.25	5.29	5.97
Wyoming	6.76	6.85	7.13	6.82	6.91	7.02	6.47	6.47
Total	7.67	7.96	8.27	8.30	8.14	7.72	7.32	6.98

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016			2015				
	March	February	January	Total	December	November	October	September
Alabama	10.09	9.75	9.86	11.18	10.87	11.62	11.55	11.91
Alaska	7.87	7.87	7.88	8.01	7.54	7.59	7.86	7.21
Arizona	9.77	9.36	8.97	10.53	9.17	9.36	10.15	10.40
Arkansas	7.11	6.74	7.16	8.43	7.43	8.01	7.86	8.44
California	8.16	8.48	8.03	8.04	8.29	7.25	7.75	7.90
Colorado	5.92	5.95	5.79	7.47	6.10	6.40	7.73	9.17
Connecticut	7.92	7.29	7.31	8.60	8.22	8.51	9.57	10.58
Delaware	8.79	8.58	8.75	10.70	9.15	10.82	12.54	13.93
District of Columbia	9.81	8.92	9.12	11.07	9.59	10.81	11.19	11.02
Florida	10.33	10.46	10.54	10.88	11.01	10.79	10.70	11.23
Georgia	7.58	7.22	6.80	8.58	7.88	9.81	8.74	9.47
Hawaii	27.26	23.66	24.18	31.17	28.72	28.13	27.06	28.60
Idaho	7.61	7.22	7.10	7.59	7.10	6.91	7.63	7.98
Illinois	6.51	5.89	5.54	7.29	6.03	6.66	8.26	12.57
Indiana	7.04	5.67	5.34	7.61	6.18	6.07	6.20	8.05
Iowa	5.80	5.40	5.36	6.51	5.70	6.44	6.51	8.11
Kansas	8.96	7.26	6.75	8.87	7.11	7.28	9.43	12.52
Kentucky	7.11	6.39	6.73	8.75	7.69	8.58	9.37	10.49
Louisiana	7.69	7.69	8.02	8.01	7.94	7.74	7.71	7.68
Maine	10.69	11.08	11.27	14.16	11.11	10.30	8.48	11.27
Maryland	8.70	8.02	8.25	9.80	10.23	9.37	9.78	10.88
Massachusetts	9.14	9.50	9.34	10.81	9.99	8.56	7.35	8.52
Michigan	6.64	6.64	6.53	7.51	6.61	6.85	7.48	9.06
Minnesota	6.44	6.25	6.15	7.31	6.12	6.21	6.44	7.74
Mississippi	7.82	7.55	7.93	7.87	7.77	8.03	7.86	7.89
Missouri	7.22	6.94	7.08	9.14	7.87	9.85	11.05	10.74
Montana	6.96	6.91	6.80	8.08	6.81	7.28	8.49	9.68
Nebraska	5.38	5.46	5.40	6.40	5.23	5.55	5.78	6.29
Nevada	7.59	7.48	7.34	8.66	7.37	7.82	8.58	9.10
New Hampshire	9.55	10.47	11.46	13.63	12.39	11.15	12.30	14.76
New Jersey	7.49	7.65	7.75	8.50	8.22	8.64	8.08	8.21
New Mexico	5.20	5.02	5.07	6.32	5.28	6.09	7.67	7.65
New York	6.47	6.69	6.69	6.86	6.78	6.32	6.24	5.96
North Carolina	8.27	6.97	6.64	8.27	9.83	8.40	7.96	9.38
North Dakota	5.20	5.16	5.20	6.62	5.17	5.61	6.11	7.82
Ohio	5.22	5.21	5.22	6.48	5.41	5.90	6.64	7.82
Oklahoma	6.78	5.42	5.39	8.12	6.07	10.65	14.04	14.68
Oregon	9.51	9.38	8.74	10.16	9.43	8.70	10.56	10.50
Pennsylvania	8.22	7.37	7.19	9.32	8.07	8.21	8.80	11.01
Rhode Island	10.32	10.10	10.37	11.99	10.97	12.89	15.76	17.13
South Carolina	8.36	8.12	7.80	8.52	10.24	8.50	8.11	8.43
South Dakota	5.60	5.36	5.04	6.22	5.38	5.37	5.78	7.20
Tennessee	7.03	7.02	6.95	8.46	8.32	8.71	8.92	9.36
Texas	6.17	5.85	5.98	6.92	6.54	7.26	7.68	7.72
Utah	7.91	7.55	7.46	7.97	7.53	7.33	7.33	7.29
Vermont	6.22	7.00	7.14	7.89	7.37	6.65	6.20	6.97
Virginia	7.12	6.62	6.82	8.13	7.94	7.59	8.04	8.93
Washington	8.03	8.63	8.08	9.78	8.09	8.34	10.29	10.55
West Virginia	7.56	7.30	7.24	8.95	7.48	7.77	9.74	11.24
Wisconsin	6.06	6.35	6.58	6.78	6.25	6.47	5.49	6.32
Wyoming	6.48	6.37	6.28	7.43	6.22	6.67	7.18	7.84
Total	7.08	6.86	6.75	7.91	7.23	7.39	7.79	8.43

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	12.09	12.04	11.99	11.68	11.70	10.61	10.73	10.88
Alaska	8.23	8.14	8.62	7.85	8.03	8.14	8.43	8.70
Arizona	10.53	10.68	10.84	10.76	10.85	11.41	11.75	10.73
Arkansas	8.64	8.25	8.36	8.30	8.13	8.40	8.93	8.87
California	7.93	7.74	7.72	7.03	7.89	8.70	8.58	8.96
Colorado	9.33	9.41	8.39	7.63	8.18	7.87	7.45	7.68
Connecticut	9.56	9.33	10.13	9.47	8.57	7.61	7.86	8.60
Delaware	13.86	13.35	12.71	11.90	10.60	10.26	10.11	10.19
District of Columbia	10.71	10.68	11.24	11.80	11.78	11.94	10.36	11.16
Florida	10.98	10.82	11.00	10.53	10.58	10.70	11.03	11.15
Georgia	9.16	9.19	9.10	8.69	8.68	8.02	8.15	8.44
Hawaii	30.45	36.02	38.76	36.86	32.56	31.08	30.83	25.72
Idaho	8.10	8.39	7.97	7.91	7.92	7.93	7.77	7.71
Illinois	12.77	11.61	11.56	10.12	7.69	6.82	6.15	6.82
Indiana	10.79	10.93	11.19	10.31	8.89	8.52	6.87	7.49
Iowa	8.92	8.43	7.31	6.48	6.24	6.45	6.23	6.56
Kansas	12.02	12.47	12.48	10.84	10.24	9.02	8.01	8.72
Kentucky	11.27	11.91	11.47	10.90	10.01	7.96	8.18	8.28
Louisiana	7.79	7.81	7.76	7.59	7.70	8.01	8.48	8.69
Maine	12.08	11.96	11.22	13.00	15.39	15.90	16.03	16.45
Maryland	11.37	10.76	11.50	11.27	9.33	9.22	9.38	9.83
Massachusetts	8.99	8.93	8.34	10.24	11.21	10.58	11.99	12.70
Michigan	9.19	9.33	8.92	7.92	7.27	7.35	7.52	7.69
Minnesota	8.05	8.19	8.88	7.35	7.55	8.34	7.16	7.88
Mississippi	7.72	7.84	7.87	7.87	8.01	7.67	7.89	8.06
Missouri	11.89	11.91	11.17	10.38	9.34	8.18	8.70	8.84
Montana	9.75	9.74	9.11	8.23	8.19	8.00	8.20	8.40
Nebraska	6.11	5.90	5.39	5.42	6.24	6.52	6.94	7.65
Nevada	9.07	9.45	9.64	9.64	9.24	8.94	8.82	8.60
New Hampshire	14.78	13.74	12.55	12.26	12.85	13.46	14.33	15.54
New Jersey	8.76	8.64	8.33	7.84	7.31	8.55	8.74	9.05
New Mexico	7.65	7.52	6.77	6.89	6.16	5.78	5.92	6.63
New York	5.72	6.05	6.80	6.65	7.24	7.11	7.18	7.52
North Carolina	9.04	9.26	9.08	8.85	8.27	7.17	7.27	8.28
North Dakota	8.76	8.63	8.26	6.58	6.55	6.76	6.78	7.41
Ohio	7.84	7.97	7.64	7.14	6.50	6.31	6.30	6.55
Oklahoma	15.01	13.46	12.61	11.23	9.20	6.60	7.01	6.95
Oregon	11.53	11.15	11.35	11.17	10.07	10.82	10.52	10.14
Pennsylvania	11.14	12.00	11.18	10.65	9.79	9.12	9.27	9.27
Rhode Island	17.02	16.64	15.41	13.02	11.73	11.13	11.11	11.23
South Carolina	8.18	8.48	8.53	8.08	8.41	7.88	8.18	8.99
South Dakota	7.28	7.36	6.91	6.46	6.36	6.54	6.32	6.48
Tennessee	9.85	9.34	9.02	9.04	8.68	7.33	8.21	8.58
Texas	7.65	7.52	6.55	6.86	6.63	6.39	6.52	7.23
Utah	7.30	7.26	7.38	7.48	8.18	8.51	8.77	8.23
Vermont	6.91	6.10	6.78	8.53	9.02	8.88	8.94	8.93
Virginia	8.60	8.57	9.14	9.08	8.19	7.64	7.66	8.59
Washington	11.44	11.40	11.06	10.65	10.16	10.13	10.15	10.12
West Virginia	11.64	11.24	12.18	10.48	9.34	8.78	8.70	8.69
Wisconsin	6.58	6.56	6.88	5.65	5.21	7.20	7.42	7.53
Wyoming	7.58	7.77	7.92	7.69	7.61	7.87	8.06	7.59
Total	8.46	8.49	8.52	8.13	8.03	7.85	7.81	8.15

^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: Commercial price data are based on total gas deliveries in the states of Georgia, New York and Ohio only. Published prices are considered to be total prices paid by end-users per thousand cubic feet of natural gas in the respective sectors, inclusive of all tax, delivery, commodity, demand and other charges. Prices are in nominal dollars. See Appendix A, Explanatory Note 8, for discussion of computations and revision policy. See Table 24 for data on onsystem sales expressed as a percentage of total residential, total commercial, and total industrial deliveries.

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

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017
(dollars per thousand cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD						2017
				November	October	September	August	July	
Alabama	4.30	3.68	4.14	4.18	3.99	4.01	4.02	4.16	
Alaska	4.66	5.05	6.86	4.63	4.06	3.67	3.19	3.07	
Arizona	6.52	5.77	6.82	6.98	6.78	6.83	7.32	6.55	
Arkansas	6.70	5.70	7.02	6.62	6.63	6.66	7.02	6.74	
California	NA	6.63	6.34	NA	6.05	6.19	6.39	6.54	
Colorado	NA	4.92	5.94	5.18	NA	5.78	5.91	6.35	
Connecticut	NA	6.07	6.33	6.12	6.01	6.42	6.07	5.94	
Delaware	NA	9.01	10.25	NA	10.37	NA	11.74	NA	
District of Columbia	--	--	--	--	--	--	--	--	
Florida	6.34	5.79	6.47	6.34	6.40	6.24	6.50	6.12	
Georgia	4.74	4.02	4.47	4.43	4.51	4.78	4.55	4.49	
Hawaii	17.61	15.63	19.39	18.87	19.10	17.89	17.09	16.82	
Idaho	NA	5.28	5.77	NA	4.39	4.46	4.51	4.52	
Illinois	NA	4.99	5.58	5.05	5.16	NA	6.51	7.25	
Indiana	6.31	4.94	6.52	5.44	5.54	7.15	8.14	7.25	
Iowa	NA	4.64	5.37	5.09	5.04	5.31	5.16	5.40	
Kansas	4.20	3.65	4.22	4.97	4.56	3.99	3.87	3.91	
Kentucky	4.50	3.69	4.45	4.31	4.31	4.19	4.22	4.31	
Louisiana	3.77	3.05	3.36	3.50	3.63	3.56	3.64	3.71	
Maine	7.95	7.46	9.03	9.36	5.26	5.30	5.42	6.34	
Maryland	NA	8.77	9.58	9.33	NA	NA	NA	NA	
Massachusetts	NA	7.27	9.25	7.73	6.32	7.16	7.22	7.42	
Michigan	NA	5.77	6.70	6.21	NA	6.99	6.79	6.52	
Minnesota	4.44	4.13	4.94	4.04	4.39	4.23	4.18	4.13	
Mississippi	NA	4.31	4.77	4.93	4.99	4.98	4.87	5.11	
Missouri	6.73	6.19	7.65	7.09	6.55	6.14	6.36	6.32	
Montana	6.19	5.66	6.61	6.22	6.17	6.06	5.42	6.33	
Nebraska	NA	3.99	4.54	4.34	4.28	4.44	4.51	4.46	
Nevada	5.04	6.11	8.23	5.48	5.64	5.69	6.02	5.74	
New Hampshire	8.92	8.42	10.37	8.92	7.66	7.99	7.58	7.81	
New Jersey	NA	6.47	8.14	8.21	NA	8.49	8.36	7.97	
New Mexico	4.50	4.10	4.66	4.73	4.60	4.35	4.42	4.35	
New York	NA	5.90	6.66	6.56	6.29	6.03	6.67	NA	
North Carolina	6.39	5.36	6.38	6.12	6.03	6.23	6.32	6.19	
North Dakota	3.04	2.55	3.14	3.12	2.89	3.79	2.83	2.85	
Ohio	NA	4.78	5.42	5.17	5.83	6.47	6.32	6.99	
Oklahoma	6.41	8.33	7.71	5.58	10.55	7.94	7.80	8.53	
Oregon	5.44	5.73	7.20	5.40	5.29	5.31	5.62	5.53	
Pennsylvania	NA	7.34	8.67	8.91	9.12	9.09	9.32	NA	
Rhode Island	8.47	8.78	9.35	8.45	8.41	8.59	8.74	8.74	
South Carolina	4.88	4.10	4.68	4.59	4.64	4.76	4.61	5.04	
South Dakota	5.24	4.78	5.44	4.72	5.49	6.19	5.78	5.76	
Tennessee	5.18	4.36	5.10	5.11	4.84	4.86	4.81	4.94	
Texas	3.29	2.58	2.95	2.98	3.11	3.21	3.19	3.39	
Utah	5.46	5.48	5.92	5.45	5.14	5.13	5.11	5.20	
Vermont	4.94	5.14	5.47	4.40	4.42	4.48	4.47	4.51	
Virginia	5.07	4.37	5.07	4.68	4.73	4.97	5.27	4.99	
Washington	7.38	7.49	9.20	7.34	7.12	7.23	7.42	7.74	
West Virginia	NA	2.42	3.19	3.18	2.36	2.19	2.22	2.26	
Wisconsin	5.30	4.95	5.67	5.54	4.46	4.66	4.55	4.24	
Wyoming	NA	3.89	5.24	4.26	4.37	4.38	4.35	4.39	
Total	4.13	3.44	3.98	3.92	3.82	3.89	3.83	3.96	

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	4.30	4.27	4.34	4.15	4.71	5.12	3.79	4.91
Alaska	5.01	5.00	5.06	5.17	5.04	5.11	5.06	5.21
Arizona	6.92	6.37	6.23	6.01	6.10	6.24	5.79	5.94
Arkansas	6.69	6.52	6.80	6.63	6.69	6.72	5.78	6.59
California	6.96	7.00	7.14	7.65	7.91	8.32	6.79	8.44
Colorado	6.08	5.66	5.19	5.61	5.48	5.37	4.89	4.75
Connecticut	5.84	6.45	NA	NA	8.11	7.26	6.07	6.07
Delaware	10.21	9.80	9.06	9.56	9.10	8.93	9.02	9.05
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.21	6.22	6.11	6.65	6.60	6.27	5.77	5.59
Georgia	4.71	4.90	4.79	4.34	5.17	5.54	4.10	4.90
Hawaii	17.29	17.75	17.06	17.41	17.83	16.90	15.70	16.57
Idaho	4.63	4.48	4.61	4.56	4.63	4.56	5.19	4.51
Illinois	6.78	6.86	6.39	5.94	6.23	6.20	5.03	5.22
Indiana	8.09	6.44	7.17	5.80	6.20	5.94	4.99	5.28
Iowa	5.48	5.29	5.04	NA	5.12	5.20	4.70	5.15
Kansas	4.08	4.77	4.68	4.96	6.60	6.41	3.69	5.27
Kentucky	4.52	4.42	4.47	4.39	4.95	5.20	3.77	4.49
Louisiana	3.84	3.41	3.23	3.69	4.68	4.64	3.11	3.80
Maine	6.51	6.61	9.28	9.27	9.35	9.33	7.68	9.37
Maryland	NA	10.65	11.62	8.59	9.90	9.57	8.80	8.98
Massachusetts	7.06	NA	8.23	8.12	8.39	8.18	7.40	8.41
Michigan	6.45	6.41	6.15	5.93	6.04	5.81	5.75	5.63
Minnesota	4.43	4.22	4.38	4.41	4.84	5.13	4.19	4.65
Mississippi	4.92	4.99	4.69	NA	NA	5.55	4.35	4.71
Missouri	6.13	6.15	6.56	7.08	7.25	7.00	6.29	6.97
Montana	6.17	6.21	5.71	6.47	6.56	6.22	5.68	5.78
Nebraska	4.50	4.40	4.39	NA	5.31	4.80	4.04	4.51
Nevada	5.48	5.15	4.61	4.47	4.38	4.36	5.90	4.60
New Hampshire	7.14	7.98	8.88	9.13	10.27	10.13	8.59	10.11
New Jersey	8.53	7.17	6.94	NA	NA	NA	6.59	7.29
New Mexico	4.36	4.29	4.12	4.48	5.28	4.97	4.18	4.86
New York	NA	7.04	7.67	7.32	7.28	6.75	5.92	6.11
North Carolina	6.11	6.21	6.50	6.49	6.81	6.82	5.43	6.12
North Dakota	2.95	2.82	2.89	2.67	3.46	3.96	2.62	3.45
Ohio	7.41	NA	NA	NA	5.28	5.53	4.81	4.95
Oklahoma	9.30	6.78	7.79	6.47	5.72	4.90	8.04	6.46
Oregon	5.51	5.40	5.41	5.56	5.52	5.37	5.73	5.71
Pennsylvania	8.94	8.18	8.64	7.98	7.88	7.75	7.40	7.75
Rhode Island	8.43	8.55	8.67	8.39	8.34	8.06	8.70	8.00
South Carolina	4.88	4.75	4.88	4.51	5.19	5.84	4.20	5.30
South Dakota	5.33	5.27	4.64	5.07	5.40	5.33	4.78	4.78
Tennessee	5.10	5.02	5.09	5.20	5.79	5.95	4.44	5.31
Texas	3.51	3.37	3.33	2.81	3.43	3.84	2.65	3.35
Utah	5.04	5.14	5.70	5.87	5.98	6.03	5.52	5.89
Vermont	4.68	4.78	5.04	5.34	5.67	6.02	5.20	5.68
Virginia	5.46	5.09	4.92	4.72	5.67	5.43	4.42	4.79
Washington	7.39	7.52	7.52	7.36	7.59	7.20	7.47	7.38
West Virginia	2.22	NA	2.26	2.46	2.69	2.43	2.43	2.52
Wisconsin	4.75	4.69	5.83	5.34	5.55	6.33	5.05	5.65
Wyoming	4.24	3.97	4.25	4.38	4.53	NA	3.96	4.58
Total	4.10	4.08	4.17	3.98	4.59	4.90	3.52	4.32

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2016							
	November	October	September	August	July	June	May	April
Alabama	4.33	4.24	4.11	3.82	3.98	3.34	2.97	3.22
Alaska	4.83	4.53	4.45	5.64	5.17	4.58	3.69	6.36
Arizona	5.82	5.61	5.56	5.98	5.81	4.97	5.64	5.70
Arkansas	6.30	5.80	5.76	5.81	5.33	5.21	5.27	5.31
California	7.48	7.27	7.35	6.91	6.30	5.79	5.84	5.70
Colorado	5.02	6.08	6.12	6.31	6.17	5.46	4.25	4.36
Connecticut	5.62	5.97	6.06	6.15	6.17	6.03	6.56	6.82
Delaware	10.08	10.32	11.86	10.24	8.94	8.72	8.57	7.81
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.77	6.14	5.34	5.77	5.45	5.30	5.20	5.72
Georgia	4.38	4.44	4.46	4.35	4.24	3.62	3.58	3.53
Hawaii	16.80	15.85	15.65	16.04	16.51	16.92	15.05	14.45
Idaho	4.61	4.63	5.41	5.46	5.43	5.46	5.44	5.51
Illinois	5.83	5.72	6.07	7.16	6.99	5.49	4.45	4.94
Indiana	5.36	5.06	5.90	6.11	5.89	5.13	4.22	4.52
Iowa	4.68	4.94	4.96	4.33	4.66	4.44	4.07	4.44
Kansas	4.54	3.63	3.69	3.55	3.48	3.31	3.39	3.44
Kentucky	4.29	4.17	3.99	3.67	4.01	2.99	3.36	2.95
Louisiana	4.12	3.54	3.37	3.18	3.41	2.50	2.58	2.51
Maine	8.83	5.99	6.23	5.99	5.58	5.54	5.78	8.46
Maryland	9.48	10.70	9.98	12.51	13.82	9.81	7.36	7.57
Massachusetts	8.15	7.11	6.06	6.33	6.30	6.13	7.25	7.49
Michigan	5.55	6.11	6.05	6.00	6.38	5.98	5.75	5.54
Minnesota	4.35	4.28	4.21	4.19	4.41	3.70	3.60	3.50
Mississippi	4.82	4.59	4.51	4.49	3.87	3.85	3.72	4.00
Missouri	6.70	6.04	6.12	6.36	7.00	6.03	5.53	6.02
Montana	5.57	5.47	5.69	6.35	4.86	6.21	4.85	5.43
Nebraska	4.25	4.00	4.08	3.97	3.67	3.35	3.27	3.77
Nevada	5.07	5.21	5.88	5.80	6.52	6.11	6.00	6.22
New Hampshire	9.06	7.58	8.06	8.21	8.24	7.14	7.48	7.90
New Jersey	7.24	6.42	6.95	7.78	7.74	6.53	5.61	5.14
New Mexico	4.30	4.72	4.54	4.29	3.93	3.50	3.39	3.46
New York	5.69	5.56	5.30	5.70	5.56	5.55	5.72	5.88
North Carolina	5.46	5.26	5.26	5.20	5.15	5.09	5.11	5.33
North Dakota	2.86	2.91	2.87	3.76	3.03	2.13	1.95	2.13
Ohio	5.45	6.07	6.43	6.47	6.76	5.58	5.33	4.25
Oklahoma	10.13	8.57	13.29	12.53	10.45	11.08	9.67	8.54
Oregon	5.82	5.74	5.65	5.72	5.58	5.76	5.72	5.79
Pennsylvania	8.36	8.46	8.65	5.79	9.17	8.04	8.25	6.75
Rhode Island	8.83	9.01	9.16	9.22	8.91	8.76	8.91	8.77
South Carolina	4.77	4.48	4.37	4.24	4.46	3.58	3.56	3.22
South Dakota	4.94	5.09	6.12	6.01	5.20	4.78	4.33	4.10
Tennessee	4.80	4.70	4.49	4.36	4.42	3.68	3.80	3.83
Texas	2.93	3.22	3.15	3.02	2.98	2.16	2.14	2.08
Utah	5.17	4.96	4.93	5.00	5.02	5.10	5.14	5.68
Vermont	5.20	5.13	5.14	5.31	5.61	4.97	5.13	4.93
Virginia	4.46	4.41	4.46	4.55	4.16	4.31	4.08	3.78
Washington	7.24	7.20	7.33	7.77	7.76	8.16	7.33	7.38
West Virginia	2.40	2.52	2.33	2.26	2.30	2.40	2.28	2.17
Wisconsin	5.35	4.64	4.61	4.29	4.65	3.45	3.98	5.06
Wyoming	4.64	4.27	3.93	3.94	3.60	3.66	3.71	3.65
Total	3.87	3.88	3.74	3.59	3.58	2.89	2.90	3.01

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017

(dollars per thousand cubic feet) – continued

State	2016			2015				
	March	February	January	Total	December	November	October	September
Alabama	3.21	3.66	3.65	4.09	3.62	3.46	3.62	3.83
Alaska	6.75	6.74	4.88	6.86	6.84	6.77	6.85	6.83
Arizona	5.91	6.22	6.51	6.78	6.39	6.30	6.32	6.58
Arkansas	5.83	5.67	5.94	6.91	5.64	5.99	6.43	6.44
California	6.67	6.90	6.56	6.41	6.99	5.83	5.94	6.15
Colorado	4.95	4.50	4.21	5.74	4.52	5.20	6.03	6.22
Connecticut	5.82	5.69	6.08	6.35	6.58	5.85	5.75	6.58
Delaware	8.24	7.93	8.09	10.11	8.32	9.62	11.15	11.40
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.28	6.11	6.36	6.43	6.10	6.22	6.30	6.09
Georgia	3.54	4.04	4.11	4.42	3.86	3.76	4.14	4.28
Hawaii	13.73	14.45	16.17	19.03	15.06	17.68	17.99	19.09
Idaho	5.46	5.46	5.41	5.72	5.29	4.83	5.66	5.82
Illinois	4.74	4.54	4.29	5.47	4.65	4.59	5.39	6.19
Indiana	4.81	4.98	4.47	6.36	4.79	4.42	4.27	5.21
Iowa	4.86	4.36	5.01	5.30	4.62	5.28	4.57	6.19
Kansas	4.29	6.25	6.75	4.24	5.61	4.61	4.17	3.90
Kentucky	3.47	3.80	3.96	4.37	3.59	3.45	3.79	3.88
Louisiana	2.41	2.95	3.09	3.33	3.00	2.76	3.16	3.31
Maine	8.50	8.51	8.45	8.95	8.50	8.20	4.56	4.72
Maryland	8.55	8.46	8.31	9.70	10.84	10.90	9.52	8.76
Massachusetts	7.43	7.78	7.64	9.22	8.90	7.31	5.51	6.26
Michigan	5.57	5.89	5.73	6.60	5.78	5.76	6.33	6.75
Minnesota	3.89	4.35	4.40	4.87	4.24	4.13	4.24	4.17
Mississippi	4.28	4.52	4.59	4.72	4.15	4.28	4.24	4.49
Missouri	6.10	6.28	6.06	7.58	6.91	6.97	7.17	7.96
Montana	5.54	6.30	5.90	6.50	5.52	6.14	5.84	6.97
Nebraska	4.32	4.32	4.41	4.56	4.79	4.08	4.12	4.27
Nevada	6.75	6.66	6.50	8.07	6.61	7.12	7.72	8.58
New Hampshire	7.97	8.96	9.60	10.33	9.87	7.53	5.48	5.10
New Jersey	6.90	6.25	6.44	8.09	7.52	7.09	7.34	8.31
New Mexico	3.76	4.06	4.25	4.62	4.26	4.60	4.69	4.70
New York	6.20	6.24	6.23	6.62	6.26	6.01	5.57	5.83
North Carolina	5.70	5.61	5.34	6.34	5.87	5.73	6.04	6.14
North Dakota	2.14	2.89	2.48	3.13	2.88	2.58	2.76	2.81
Ohio	4.10	4.17	4.36	5.35	4.65	4.74	5.61	6.64
Oklahoma	5.94	5.73	10.52	7.51	6.18	7.90	9.90	12.85
Oregon	5.84	5.78	5.61	7.10	6.22	6.31	7.25	7.21
Pennsylvania	7.24	6.84	7.09	8.59	7.62	8.47	8.93	10.37
Rhode Island	8.40	8.44	8.61	9.26	8.22	9.48	9.92	9.79
South Carolina	3.58	4.21	4.83	4.64	4.25	4.09	4.27	4.38
South Dakota	4.50	4.51	4.83	5.34	4.56	4.56	5.13	6.04
Tennessee	4.28	4.77	4.69	5.06	4.58	4.47	4.45	4.63
Texas	1.88	2.39	2.45	2.89	2.38	2.29	2.78	2.95
Utah	5.97	6.44	6.08	5.93	6.01	5.35	5.24	5.30
Vermont	4.96	5.17	5.14	5.50	5.81	5.42	5.58	4.65
Virginia	4.39	4.48	4.79	5.02	4.48	3.95	4.69	4.86
Washington	7.47	7.72	7.38	8.94	7.32	7.92	8.73	9.25
West Virginia	2.59	2.69	2.47	3.12	2.53	2.09	3.16	3.14
Wisconsin	4.95	5.46	5.76	5.65	5.43	5.37	4.69	4.56
Wyoming	3.68	3.82	3.95	5.07	4.01	4.63	4.56	4.75
Total	3.05	3.64	3.62	3.93	3.48	3.28	3.54	3.65

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	4.06	3.97	4.09	3.70	4.15	4.70	4.97	4.67
Alaska	6.82	6.78	6.84	6.86	6.70	6.88	7.08	6.97
Arizona	6.55	6.76	6.86	6.54	6.96	7.15	7.51	7.25
Arkansas	6.59	6.61	6.09	6.41	6.84	7.70	7.90	7.88
California	6.12	6.08	6.29	5.51	6.45	6.89	6.77	7.67
Colorado	6.65	7.39	6.58	5.32	5.49	6.20	6.15	6.01
Connecticut	5.64	5.86	6.01	6.18	6.77	5.81	6.52	7.89
Delaware	11.38	10.89	9.09	9.78	9.56	10.20	10.25	9.91
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.04	6.70	5.78	5.88	6.05	6.53	7.12	8.40
Georgia	4.38	4.34	4.41	4.14	4.22	5.02	4.98	5.34
Hawaii	19.29	21.57	20.94	19.68	19.40	18.66	18.33	20.25
Idaho	5.98	5.99	5.74	5.75	5.82	5.90	6.03	6.04
Illinois	5.96	6.06	5.94	5.66	5.75	5.74	5.13	6.02
Indiana	5.85	6.29	5.70	6.14	9.14	7.18	6.69	7.52
Iowa	5.13	5.46	4.78	4.77	4.48	5.69	5.65	6.42
Kansas	3.94	3.99	4.08	4.16	4.43	5.74	5.81	6.97
Kentucky	4.06	4.35	4.52	4.20	4.43	5.13	5.12	5.28
Louisiana	3.49	3.46	3.41	2.95	3.24	3.51	3.69	3.90
Maine	4.81	4.68	4.61	5.50	14.71	15.12	15.22	15.20
Maryland	9.99	11.89	12.71	10.17	8.08	8.81	9.64	10.06
Massachusetts	6.91	6.66	6.90	8.73	9.67	9.60	10.86	11.74
Michigan	7.02	6.44	6.78	6.59	6.21	6.70	6.98	7.06
Minnesota	4.68	4.53	4.62	4.19	4.54	5.82	5.83	5.89
Mississippi	3.97	4.52	4.33	4.43	4.72	5.72	5.46	6.12
Missouri	7.29	7.88	7.52	7.33	7.95	7.79	7.65	7.91
Montana	5.90	6.38	4.87	6.46	6.97	7.22	7.34	8.14
Nebraska	4.33	4.27	3.83	4.13	5.53	5.39	4.34	4.84
Nevada	8.16	8.71	9.18	9.06	8.71	8.32	8.27	7.94
New Hampshire	6.05	6.14	7.16	8.31	10.89	12.09	12.47	14.13
New Jersey	8.75	8.19	8.13	7.82	7.87	7.96	8.26	8.81
New Mexico	4.60	4.53	4.44	4.11	4.52	4.93	5.06	5.84
New York	5.33	5.86	6.00	6.54	7.21	7.21	7.04	7.43
North Carolina	5.87	5.95	5.83	5.67	6.11	6.69	7.52	7.06
North Dakota	2.95	3.11	2.90	2.81	3.01	3.77	3.86	3.92
Ohio	6.09	5.40	7.24	5.71	5.28	5.22	5.44	5.26
Oklahoma	8.77	8.63	8.96	6.31	9.41	6.57	7.40	7.62
Oregon	7.23	7.12	7.06	7.11	7.06	7.52	7.60	7.56
Pennsylvania	10.35	10.06	10.21	9.59	8.25	7.85	8.96	8.74
Rhode Island	10.09	9.61	9.38	9.75	9.20	9.00	9.01	9.12
South Carolina	4.59	4.47	4.57	4.20	4.36	4.96	5.99	5.77
South Dakota	5.73	5.71	5.14	5.50	5.42	5.31	5.52	6.04
Tennessee	4.80	4.80	4.87	4.84	4.99	5.69	5.75	6.18
Texas	3.13	3.08	3.04	2.82	2.88	3.01	3.11	3.38
Utah	5.32	5.20	5.72	5.94	6.50	6.72	6.74	6.65
Vermont	4.53	5.90	5.17	5.23	5.29	5.98	6.25	5.70
Virginia	4.56	4.81	5.08	5.33	5.15	5.32	5.28	5.76
Washington	9.35	10.07	9.48	9.24	9.58	8.94	9.43	9.66
West Virginia	3.18	3.17	3.13	3.10	3.24	3.43	3.31	3.72
Wisconsin	4.91	4.54	5.07	4.42	4.46	6.40	6.67	6.78
Wyoming	4.75	4.63	5.20	5.02	5.36	5.17	5.40	6.48
Total	3.79	3.74	3.76	3.58	3.96	4.46	4.74	4.90

-- 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, 2015-2017
(dollars per thousand cubic feet)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD	2017				
				November	October	September	August	July
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	6.62	5.39	8.13	8.09	8.09	8.09	8.09
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	W	W	W	W	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	W	3.51	4.55	4.17	2.86	2.67	W	W
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	4.40	W	W	W	W
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	3.16	3.37	--	--	--	--	--
Illinois	W	W	W	W	W	W	W	3.23
Indiana	W	W	W	W	W	W	W	W
Iowa	3.19	2.70	3.48	3.18	2.76	2.87	2.80	2.92
Kansas	3.58	3.38	3.94	3.52	3.24	3.65	3.44	3.22
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	--	W	W	W	W
Maryland	3.60	2.94	W	3.28	3.21	3.00	3.27	3.44
Massachusetts	W	3.01	4.47	W	W	2.29	2.42	2.58
Michigan	3.28	2.74	W	3.30	3.11	3.29	3.23	3.21
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	2.99	W	W	2.73	2.68	3.10	3.11	3.06
Montana	1.79	--	W	1.91	0.72	1.49	1.52	1.52
Nebraska	4.07	3.26	4.01	4.89	4.02	4.12	3.64	3.48
Nevada	3.51	2.96	3.37	3.40	3.14	3.35	3.27	3.29
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.80	2.08	3.08	2.95	1.63	2.04	2.19	2.44
New Mexico	3.58	2.99	3.28	3.69	3.36	3.45	3.50	3.53
New York	3.30	2.58	3.57	3.40	2.33	2.36	2.56	2.75
North Carolina	W	W	W	W	W	W	W	W
North Dakota	5.72	2.62	8.80	5.43	8.67	4.98	6.35	6.14
Ohio	3.04	2.28	2.47	2.94	2.89	2.81	2.76	2.91
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.47	1.81	2.59	2.37	1.47	1.71	2.03	2.27
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	2.60	3.43	--	--	--	--	--
Tennessee	3.03	2.53	2.78	2.92	2.88	2.99	2.86	2.93
Texas	3.15	2.62	2.93	3.10	3.11	3.11	3.03	3.11
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	2.67	2.94	3.09
Washington	4.16	W	W	4.39	3.70	3.94	3.62	4.03
West Virginia	W	W	W	W	W	W	W	W
Wisconsin	W	W	W	3.39	3.16	3.23	3.16	W
Wyoming	W	325.70	W	3.69	W	W	W	W
Total	3.49	2.91	3.44	3.52	3.27	3.31	3.27	3.32

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	8.09	8.09	8.09	8.09	8.09	6.65	7.21
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	W	W	W	3.22	4.05
Colorado	W	W	W	W	W	W	W	W
Connecticut	W	W	W	W	5.84	8.10	3.67	5.49
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.33	W	3.59	4.02	4.38	4.92	3.86	W
Georgia	W	W	W	W	W	W	3.08	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	2.92	4.05
Illinois	3.06	W	W	W	W	W	2.88	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.74	2.84	2.85	4.71	4.85	5.12	2.81	3.83
Kansas	3.43	4.10	3.88	3.52	4.82	4.92	3.48	5.05
Kentucky	W	W	W	W	5.96	W	W	W
Louisiana	W	W	W	W	W	W	2.76	W
Maine	W	--	W	W	W	W	W	W
Maryland	3.25	3.37	3.40	4.90	4.25	5.50	2.97	4.98
Massachusetts	2.65	3.36	3.47	4.35	W	W	3.22	7.03
Michigan	3.24	3.44	3.45	3.16	3.18	3.63	2.81	3.93
Minnesota	W	W	3.40	W	3.49	4.49	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	3.22	3.40	3.03	2.59	3.05	3.43	W	W
Montana	2.10	2.49	2.22	2.09	2.25	2.36	--	--
Nebraska	3.51	4.03	4.37	5.17	6.48	5.61	3.31	4.75
Nevada	3.48	3.49	3.74	3.60	3.80	4.37	3.02	3.77
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.42	3.24	3.34	3.45	3.64	4.06	2.20	4.01
New Mexico	3.51	3.69	3.85	3.27	3.65	4.02	3.07	4.21
New York	2.96	3.29	3.39	4.26	4.54	5.41	2.76	5.47
North Carolina	W	W	W	W	W	W	W	W
North Dakota	4.36	4.37	4.42	5.52	4.80	6.31	2.74	3.58
Ohio	3.06	3.22	3.28	2.93	3.26	3.84	2.36	3.41
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.39	3.00	3.00	2.86	3.21	4.12	1.95	3.52
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	2.62	3.92
Tennessee	3.07	2.96	3.04	3.00	3.09	3.82	2.61	3.44
Texas	3.17	3.29	3.22	3.02	3.13	3.47	2.67	3.44
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	3.10	3.59	3.67	W	W	W	W	W
Washington	5.16	3.85	3.67	3.74	5.57	4.95	W	W
West Virginia	W	W	3.36	W	W	W	W	5.87
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	W	W	W	10.87	W	4.04	8.29	8.65
Total	3.41	3.61	3.50	3.52	3.74	4.33	2.99	4.16

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016							
	November	October	September	August	July	June	May	April
Alabama	W	W	W	W	W	W	W	W
Alaska	6.91	6.86	6.52	6.49	6.81	7.10	6.43	6.47
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	3.27	3.43	3.59	3.45	3.48	2.98	W	2.47
Colorado	W	W	W	W	W	W	W	W
Connecticut	3.34	2.45	2.92	3.09	3.13	2.33	2.39	2.74
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	3.95	3.72	3.43	W	W
Georgia	3.15	3.59	3.59	3.33	3.30	3.03	2.44	2.40
Hawaii	--	--	--	--	--	--	--	--
Idaho	4.66	4.78	3.38	2.89	2.83	2.47	2.41	11.72
Illinois	W	3.18	3.29	3.07	3.05	W	2.25	2.24
Indiana	W	W	W	W	W	W	W	W
Iowa	3.02	3.00	3.00	2.94	2.83	2.63	2.10	2.61
Kansas	3.28	3.96	3.52	3.53	3.26	3.07	3.15	3.16
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	3.08	2.63	W	W
Maine	--	W	W	W	W	W	W	W
Maryland	3.67	2.75	2.47	2.97	2.94	3.01	2.50	2.40
Massachusetts	4.59	3.36	2.97	3.18	2.86	2.34	2.11	2.99
Michigan	2.77	3.19	3.32	3.12	3.04	2.75	2.28	2.31
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--	--
Nebraska	3.17	3.54	3.70	3.48	3.41	3.32	2.77	2.44
Nevada	3.35	3.46	3.39	3.23	3.38	2.57	2.54	2.40
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.45	1.86	1.70	1.92	2.09	2.13	1.95	1.76
New Mexico	3.06	3.30	3.43	3.30	3.31	2.87	2.47	2.69
New York	2.95	1.98	2.18	2.54	2.75	2.38	2.12	2.36
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.74	3.10	3.07	2.98	2.88	2.63	2.04	2.09
Ohio	2.32	2.30	2.59	2.55	2.80	2.32	2.03	2.01
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.10	1.29	1.51	1.68	1.86	1.90	1.65	1.61
Rhode Island	W	W	W	W	2.92	W	2.23	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	2.50	3.38	3.39	2.94	2.87	2.53	2.10	2.07
Tennessee	2.84	3.15	2.91	2.69	2.74	2.37	1.96	1.96
Texas	2.71	3.24	3.13	2.94	2.95	2.62	2.17	2.14
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	2.83	1.69	1.97	W	3.21	2.00	2.03	2.12
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	12.43	4,893.63	10.24	5.57	--	17.60	12.15	5.88
Total	3.14	3.24	3.19	3.07	3.07	2.77	2.49	2.52

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2016				2015			
	March	February	January	Total	December	November	October	September
Alabama	W	W	W	W	W	W	W	W
Alaska	6.34	6.43	6.47	5.40	5.44	5.48	5.45	5.48
Arizona	W	W	W	3.43	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	2.59	2.85	3.08	3.40	2.96	2.95	3.19	3.29
Colorado	W	W	W	3.79	W	W	W	W
Connecticut	4.63	5.63	6.12	4.73	5.06	5.14	3.17	3.08
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	4.41	3.98	3.90	4.31	4.46
Georgia	2.23	W	W	3.27	W	W	W	3.31
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.26	2.25	2.67	2.89	2.41	2.72	2.92	3.01
Illinois	2.31	W	W	W	W	W	W	3.12
Indiana	W	W	W	W	W	W	W	W
Iowa	2.23	2.57	2.96	3.25	2.60	5.08	2.89	2.99
Kansas	2.84	4.22	4.26	3.95	4.66	4.03	4.88	3.68
Kentucky	W	3.35	W	W	3.42	2.50	W	W
Louisiana	W	W	W	W	W	W	W	W
Maine	W	W	W	W	4.31	W	W	W
Maryland	2.69	5.64	3.59	4.06	3.13	3.11	3.05	3.18
Massachusetts	1.99	3.46	4.73	4.33	2.53	3.62	4.31	4.14
Michigan	2.14	2.37	2.66	3.21	2.17	2.57	2.91	3.32
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	--	W	W	W	W	2.23
Nebraska	2.34	2.81	3.52	3.97	3.63	3.37	3.22	3.38
Nevada	2.30	2.78	2.98	3.34	3.00	2.85	3.24	3.30
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	1.62	2.83	3.02	2.98	1.69	1.81	2.02	2.10
New Mexico	2.56	2.57	2.91	3.21	2.46	2.64	3.11	3.13
New York	2.22	3.41	3.76	3.51	2.96	2.69	2.60	2.51
North Carolina	W	W	W	W	W	W	W	W
North Dakota	1.90	2.22	2.45	8.39	7.20	11.42	8.77	8.75
Ohio	1.63	2.00	2.20	2.42	1.91	2.09	2.17	2.27
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.43	2.33	2.70	2.52	1.55	1.59	1.71	2.00
Rhode Island	W	W	W	3.72	W	3.29	3.74	2.78
South Carolina	W	W	W	W	W	W	W	W
South Dakota	1.82	2.08	2.57	3.31	2.25	2.92	2.90	3.31
Tennessee	2.05	2.33	2.58	2.74	2.33	2.31	2.47	2.61
Texas	1.91	2.19	2.53	2.88	2.22	2.30	2.66	2.88
Utah	W	W	2.81	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	3.55	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	1.92	2.07	2.22	W	1.52	1.91	W	W
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	4.39	7.69	13.31	W	W	3.76	4.45	3.94
Total	2.33	2.83	3.17	3.38	2.72	2.78	3.04	3.20

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2015-2017
(dollars per thousand cubic feet) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W	W
Alaska	5.21	5.19	5.14	4.86	5.47	5.41	5.49	5.95
Arizona	3.47	3.54	3.47	3.73	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	3.53	3.54	3.52	3.45	W	3.50	3.73	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	2.69	2.48	2.19	2.30	2.99	6.91	12.82	8.77
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.45	4.43	4.52	W	W	W	4.78	W
Georgia	3.36	3.40	3.38	3.57	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.92	2.85	2.74	3.08	3.05	16.18	--	3.03
Illinois	W	W	3.04	W	W	W	4.81	W
Indiana	W	W	W	W	W	W	W	W
Iowa	3.13	3.08	3.08	3.18	2.98	3.45	4.71	5.01
Kansas	3.70	3.52	3.68	4.33	4.32	4.06	4.50	5.25
Kentucky	W	W	W	W	W	W	W	W
Louisiana	3.20	W	W	W	W	W	W	W
Maine	W	W	4.06	3.78	3.99	W	17.68	W
Maryland	4.07	3.73	3.09	3.25	2.58	W	W	6.65
Massachusetts	3.08	2.57	3.18	3.16	3.36	8.64	13.60	12.66
Michigan	3.40	3.30	3.18	3.25	W	3.57	4.11	3.62
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	2.28	W	W	W	2.31	W	W	W
Nebraska	5.08	3.81	3.59	4.01	3.63	4.02	4.90	4.48
Nevada	3.38	3.43	3.43	3.21	3.27	3.45	3.54	4.10
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.23	2.09	2.37	2.35	2.48	3.68	10.03	5.86
New Mexico	3.28	3.86	3.61	3.26	3.03	3.09	3.11	3.71
New York	2.61	2.56	2.71	2.76	2.82	4.48	9.93	6.24
North Carolina	W	W	W	W	W	W	W	W
North Dakota	6.57	11.04	8.41	10.94	8.00	9.81	8.87	11.41
Ohio	2.25	2.30	2.20	2.38	2.23	2.75	3.31	2.92
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.80	2.02	1.83	2.01	2.02	3.06	8.29	4.28
Rhode Island	2.42	2.40	1.96	2.15	3.41	7.68	W	9.99
South Carolina	W	W	W	W	W	W	W	W
South Dakota	4.23	3.78	3.53	3.06	3.46	2.77	3.05	2.94
Tennessee	2.71	2.74	2.75	2.28	2.66	3.35	3.27	3.59
Texas	3.01	3.03	2.98	3.02	2.82	3.02	3.10	3.28
Utah	W	W	W	W	W	W	3.37	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	2.82	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	1.94	2.07	2.48	2.41	W	2.64	W	2.96
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	W	W	W	W	W	W	W	W
Total	3.23	3.23	3.25	3.28	3.24	3.71	5.02	4.31

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

-- Not applicable.

W Withheld.

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

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

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017

State	2017 11-Month YTD			2016 11-Month YTD			2015 11-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	NA	NA	26.8	100.0	77.2	24.5	100.0	77.8	23.2
Alaska	100.0	98.3	100.0	100.0	98.3	100.0	100.0	98.0	100.0
Arizona	NA	NA	NA	100.0	82.7	16.1	100.0	83.4	16.0
Arkansas	92.6	NA	1.5	100.0	37.3	1.5	100.0	42.5	1.7
California	NA	52.4	NA	95.0	50.7	3.9	94.8	49.2	3.8
Colorado	100.0	93.5	NA	100.0	94.0	7.3	100.0	94.3	7.4
Connecticut	96.1	76.3	NA	96.2	76.1	48.6	96.3	75.9	47.0
Delaware	100.0	NA	NA	100.0	37.4	0.2	100.0	46.5	0.3
District of Columbia	NA	NA	0.0	72.2	18.6	--	73.3	21.3	--
Florida	NA	NA	3.5	91.8	30.2	3.4	91.8	32.0	3.4
Georgia	100.0	100.0	25.9	100.0	100.0	21.9	100.0	100.0	21.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	75.6	NA	100.0	72.6	2.3	100.0	73.0	2.4
Illinois	NA	33.4	NA	86.3	33.3	5.6	86.2	35.7	6.0
Indiana	NA	64.8	1.6	95.7	65.4	1.7	95.7	66.9	1.9
Iowa	100.0	67.7	NA	100.0	68.6	3.5	100.0	70.0	3.5
Kansas	NA	NA	7.2	100.0	44.3	8.3	98.3	47.1	9.0
Kentucky	96.9	76.8	18.5	96.8	77.2	17.4	96.3	79.1	16.6
Louisiana	100.0	NA	3.2	100.0	78.0	3.1	100.0	78.9	3.2
Maine	100.0	58.7	9.0	100.0	57.4	8.1	100.0	52.5	4.9
Maryland	NA	NA	NA	73.4	24.9	3.7	72.7	27.8	7.5
Massachusetts	98.3	NA	NA	98.9	46.3	25.7	99.5	45.4	26.8
Michigan	93.4	55.0	NA	92.8	53.9	5.9	92.8	55.5	6.8
Minnesota	100.0	87.6	16.5	100.0	84.1	15.3	100.0	83.6	15.5
Mississippi	90.5	83.1	NA	100.0	83.9	9.7	100.0	85.7	9.5
Missouri	100.0	NA	12.2	100.0	71.6	11.5	100.0	71.0	12.5
Montana	99.4	49.9	NA	99.6	47.3	1.4	99.7	52.2	1.4
Nebraska	87.5	54.5	NA	87.8	58.8	6.2	88.0	55.8	7.1
Nevada	100.0	58.4	14.0	100.0	57.5	12.1	100.0	56.7	12.0
New Hampshire	100.0	53.8	5.1	100.0	53.6	5.7	100.0	58.7	9.8
New Jersey	94.6	NA	NA	94.3	37.0	4.9	93.3	41.4	6.8
New Mexico	NA	NA	NA	100.0	54.6	8.9	100.0	55.4	7.8
New York	NA	100.0	NA	100.0	100.0	5.9	100.0	100.0	6.2
North Carolina	NA	NA	10.6	100.0	82.8	10.5	100.0	83.4	10.7
North Dakota	100.0	92.5	33.3	100.0	92.5	31.9	100.0	92.8	40.0
Ohio	NA	100.0	NA	100.0	100.0	1.9	100.0	100.0	2.0
Oklahoma	100.0	NA	0.7	100.0	40.9	0.5	100.0	44.2	0.6
Oregon	100.0	94.4	15.1	100.0	94.2	14.3	100.0	95.2	15.0
Pennsylvania	NA	NA	NA	87.5	36.9	0.9	86.4	40.4	1.2
Rhode Island	100.0	52.6	NA	100.0	52.6	3.3	100.0	54.0	5.5
South Carolina	100.0	91.1	41.0	100.0	91.5	41.5	100.0	92.0	43.3
South Dakota	100.0	80.5	3.9	100.0	79.9	4.3	100.0	80.2	4.3
Tennessee	100.0	86.6	23.5	100.0	86.9	27.3	100.0	88.5	29.8
Texas	NA	NA	NA	99.8	70.1	40.3	99.8	71.8	39.6
Utah	100.0	72.2	4.2	100.0	75.4	5.6	100.0	76.3	7.6
Vermont	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	89.6	50.1	9.7	89.5	54.1	10.2
Washington	100.0	NA	6.3	100.0	84.5	6.0	100.0	84.5	5.9
West Virginia	NA	49.3	NA	100.0	50.2	9.7	100.0	54.0	14.2
Wisconsin	100.0	70.7	15.6	100.0	69.7	15.6	100.0	71.6	16.7
Wyoming	71.7	NA	NA	72.4	50.8	1.8	72.6	50.8	1.8
Total	95.8	64.8	14.5	95.8	64.3	14.7	95.6	65.5	14.8

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2017								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.2	27.9	100.0	68.7	28.6	100.0	71.3	26.6
Alaska	100.0	98.7	100.0	100.0	96.7	100.0	100.0	96.4	100.0
Arizona	100.0	78.8	NA	100.0	77.7	12.8	100.0	77.9	14.1
Arkansas	100.0	30.8	1.8	100.0	NA	1.3	100.0	25.6	1.5
California	95.3	51.1	NA	95.0	48.4	4.4	95.1	47.6	3.9
Colorado	100.0	94.7	8.3	100.0	94.0	NA	100.0	90.8	6.4
Connecticut	95.5	76.5	49.6	95.1	72.8	49.1	95.5	73.4	49.6
Delaware	100.0	NA	NA	100.0	23.7	0.2	100.0	NA	NA
District of Columbia	73.8	NA	0.0	70.8	15.4	0.0	70.0	15.8	0.0
Florida	90.2	30.6	3.9	92.0	27.7	3.2	NA	NA	3.8
Georgia	100.0	100.0	24.0	100.0	100.0	29.1	100.0	100.0	27.3
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	77.7	NA	100.0	72.8	2.5	100.0	64.3	2.5
Illinois	87.9	36.3	7.1	90.5	34.4	4.8	NA	21.3	NA
Indiana	96.0	67.7	2.3	95.7	67.7	1.2	95.7	56.5	0.9
Iowa	100.0	70.3	5.9	100.0	67.5	NA	100.0	53.9	2.5
Kansas	NA	51.6	2.4	100.0	35.0	2.6	100.0	25.0	11.3
Kentucky	98.0	78.6	16.9	98.7	72.7	18.8	97.6	69.0	18.2
Louisiana	100.0	75.4	3.6	100.0	76.2	3.2	100.0	78.8	3.2
Maine	100.0	53.7	9.3	100.0	45.5	7.9	100.0	45.0	6.8
Maryland	77.8	28.6	4.4	NA	21.4	NA	73.3	17.3	NA
Massachusetts	98.2	46.5	25.9	97.9	NA	NA	97.9	29.0	20.6
Michigan	94.0	58.7	4.7	94.0	52.9	NA	93.6	39.0	2.6
Minnesota	100.0	89.6	23.4	100.0	87.6	16.8	100.0	75.4	12.9
Mississippi	100.0	82.3	9.0	100.0	82.2	8.9	100.0	79.9	8.2
Missouri	100.0	70.1	12.6	100.0	60.2	10.4	100.0	61.1	11.1
Montana	99.5	47.4	NA	99.5	44.2	NA	99.5	37.9	0.8
Nebraska	86.5	53.2	NA	84.4	46.2	4.9	88.9	43.5	5.1
Nevada	100.0	57.9	16.0	100.0	50.9	14.2	100.0	48.8	10.7
New Hampshire	100.0	49.9	5.4	100.0	46.4	3.5	100.0	45.5	3.0
New Jersey	95.1	42.0	NA	94.8	34.1	NA	94.7	20.5	NA
New Mexico	NA	NA	NA	99.9	NA	10.2	99.9	46.9	8.9
New York	100.0	100.0	4.4	NA	100.0	4.2	100.0	100.0	4.1
North Carolina	100.0	86.8	10.6	100.0	84.2	9.7	100.0	76.2	9.6
North Dakota	100.0	93.7	27.5	100.0	90.0	30.1	100.0	88.3	8.6
Ohio	NA	100.0	1.9	100.0	100.0	1.1	100.0	100.0	0.8
Oklahoma	100.0	NA	0.7	100.0	23.5	0.3	100.0	28.0	0.4
Oregon	100.0	94.8	16.1	100.0	93.7	15.3	100.0	92.3	14.6
Pennsylvania	88.4	NA	0.7	NA	31.4	0.4	87.8	28.7	0.3
Rhode Island	100.0	53.9	3.8	100.0	51.5	3.6	100.0	53.5	3.2
South Carolina	100.0	91.7	42.4	100.0	90.8	40.4	100.0	89.4	40.7
South Dakota	100.0	81.3	5.8	100.0	77.2	2.5	100.0	71.3	1.7
Tennessee	100.0	86.8	25.8	100.0	82.4	24.7	100.0	80.2	22.2
Texas	99.7	69.8	37.6	99.6	65.3	NA	99.8	63.4	38.4
Utah	100.0	68.0	3.4	100.0	67.8	3.4	100.0	58.4	3.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	92.3	55.5	10.5	NA	NA	8.5	87.0	NA	7.7
Washington	100.0	89.6	6.6	100.0	86.3	5.7	100.0	81.6	5.3
West Virginia	100.0	54.5	8.4	100.0	36.4	7.9	100.0	36.1	6.9
Wisconsin	100.0	75.0	18.4	100.0	63.6	15.2	100.0	52.1	10.7
Wyoming	72.3	53.5	2.1	72.7	53.5	1.5	74.9	NA	1.9
Total	96.0	65.9	14.6	96.5	61.6	14.3	96.1	56.2	13.6

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2017								
	August			July			June		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	70.9	25.8	100.0	72.5	25.7	NA	NA	26.3
Alaska	100.0	96.4	100.0	100.0	97.5	100.0	100.0	96.7	100.0
Arizona	100.0	NA	11.8	100.0	79.9	14.1	100.0	81.4	12.6
Arkansas	100.0	24.4	1.4	100.0	23.5	1.5	30.3	25.2	1.2
California	94.6	46.9	3.8	95.2	48.6	3.5	94.7	51.6	3.6
Colorado	100.0	91.3	5.7	100.0	90.8	5.7	100.0	90.6	5.4
Connecticut	95.4	72.2	47.3	95.2	73.0	50.1	95.4	72.4	47.7
Delaware	100.0	23.3	0.1	100.0	26.4	NA	100.0	29.3	0.2
District of Columbia	NA	16.0	0.0	66.9	20.9	0.0	69.8	16.0	0.0
Florida	92.4	NA	3.4	92.4	28.9	3.2	91.9	30.2	3.4
Georgia	100.0	100.0	25.7	100.0	100.0	26.5	100.0	100.0	26.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	63.0	2.9	100.0	54.4	2.6	100.0	58.8	2.9
Illinois	NA	20.6	2.9	86.1	23.8	2.4	83.8	23.0	3.0
Indiana	NA	53.1	0.9	95.4	55.1	0.8	95.5	54.6	0.9
Iowa	100.0	54.7	1.9	100.0	51.8	2.0	100.0	52.8	1.7
Kansas	100.0	25.8	16.3	100.0	25.5	18.5	100.0	30.0	10.9
Kentucky	97.7	64.7	18.1	97.5	68.1	18.5	96.9	67.2	19.9
Louisiana	100.0	76.9	3.0	100.0	76.3	3.2	100.0	NA	3.4
Maine	100.0	43.6	7.2	100.0	43.1	8.0	100.0	53.2	6.4
Maryland	72.1	17.7	NA	69.7	NA	NA	NA	20.0	NA
Massachusetts	97.9	30.0	22.7	98.0	30.8	23.0	98.0	36.0	24.2
Michigan	93.5	36.3	2.1	92.6	36.9	2.5	93.4	38.5	2.9
Minnesota	100.0	70.9	12.3	100.0	76.6	14.9	100.0	73.8	11.4
Mississippi	100.0	81.0	7.6	100.0	80.2	8.3	100.0	78.4	8.4
Missouri	100.0	58.4	9.1	100.0	60.6	9.3	100.0	62.5	9.4
Montana	99.4	37.3	0.9	99.3	40.0	0.7	99.3	43.6	1.0
Nebraska	89.3	44.2	3.9	89.2	42.4	5.1	87.8	45.2	6.9
Nevada	100.0	47.1	8.6	100.0	49.3	9.9	100.0	52.8	10.2
New Hampshire	100.0	46.6	3.4	100.0	46.6	2.5	100.0	47.7	3.6
New Jersey	95.0	25.3	NA	94.1	28.0	NA	94.7	28.2	NA
New Mexico	99.9	47.0	12.0	99.9	48.5	11.9	100.0	52.7	8.8
New York	100.0	100.0	4.6	100.0	100.0	NA	100.0	100.0	NA
North Carolina	100.0	75.6	8.6	NA	NA	8.8	100.0	NA	9.4
North Dakota	100.0	86.8	32.8	100.0	84.4	32.0	100.0	86.1	36.6
Ohio	100.0	100.0	1.0	100.0	100.0	0.8	100.0	100.0	0.7
Oklahoma	100.0	27.0	0.4	100.0	29.6	0.4	100.0	32.1	0.3
Oregon	100.0	92.6	13.1	100.0	92.8	13.1	100.0	92.5	13.3
Pennsylvania	87.8	28.8	0.3	87.6	27.4	NA	87.3	27.8	0.3
Rhode Island	100.0	54.4	3.1	100.0	50.7	3.4	100.0	47.9	4.1
South Carolina	100.0	89.7	40.8	100.0	90.5	38.9	100.0	90.4	40.7
South Dakota	100.0	68.1	1.9	100.0	73.1	2.3	100.0	71.0	2.3
Tennessee	100.0	79.1	22.6	100.0	80.6	21.0	100.0	81.8	22.7
Texas	99.7	62.1	39.5	99.8	62.7	39.1	99.8	65.6	38.6
Utah	100.0	55.2	4.0	100.0	60.1	4.8	100.0	60.5	5.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	NA	100.0
Virginia	88.0	41.4	7.4	86.4	NA	NA	86.2	41.2	7.3
Washington	100.0	78.1	3.8	100.0	79.9	4.3	100.0	NA	4.8
West Virginia	100.0	29.9	8.3	NA	30.5	6.0	100.0	27.9	8.3
Wisconsin	100.0	52.4	11.3	100.0	52.9	13.5	100.0	55.7	10.2
Wyoming	72.7	40.6	1.4	71.7	51.5	1.5	71.2	50.0	1.5
Total	95.7	55.6	14.2	95.8	57.1	14.5	94.5	58.0	14.4

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2017								
	May			April			March		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	NA	25.6	100.0	NA	27.0	100.0	77.9	27.4
Alaska	100.0	97.7	100.0	100.0	98.7	100.0	100.0	99.0	100.0
Arizona	100.0	80.4	14.6	100.0	82.0	15.1	100.0	82.9	13.9
Arkansas	100.0	NA	1.3	100.0	35.8	1.2	100.0	43.1	1.9
California	95.2	55.0	3.7	94.8	53.9	3.8	94.6	53.9	4.5
Colorado	100.0	92.4	6.2	100.0	92.7	7.6	100.0	93.8	7.5
Connecticut	95.1	72.7	49.3	96.1	76.9	NA	96.3	79.7	NA
Delaware	100.0	32.5	0.5	100.0	43.7	NA	100.0	40.0	0.6
District of Columbia	72.0	17.5	0.0	74.7	14.7	0.0	75.5	22.2	0.0
Florida	91.1	29.7	3.4	90.5	30.6	3.8	90.3	31.3	3.4
Georgia	100.0	100.0	24.3	100.0	100.0	25.0	100.0	100.0	26.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	62.2	2.6	100.0	74.2	2.4	100.0	77.0	2.5
Illinois	82.3	26.3	3.8	82.8	30.1	5.0	86.4	38.3	8.5
Indiana	95.4	58.8	1.2	95.2	59.6	1.4	95.6	68.4	2.1
Iowa	100.0	61.0	1.8	100.0	64.9	2.2	100.0	71.4	NA
Kansas	NA	NA	2.9	100.0	44.2	3.5	100.0	48.6	4.2
Kentucky	96.6	70.5	18.8	95.4	73.5	18.4	96.8	79.3	19.8
Louisiana	100.0	78.3	3.1	100.0	81.4	3.3	100.0	NA	3.0
Maine	100.0	56.2	8.7	100.0	64.6	10.3	100.0	62.8	11.3
Maryland	74.2	20.2	2.8	72.6	22.8	4.1	75.4	28.0	7.4
Massachusetts	98.0	40.6	NA	98.2	NA	28.1	98.5	53.9	29.4
Michigan	92.5	46.0	3.8	93.3	58.5	6.8	93.6	58.5	8.3
Minnesota	100.0	82.4	13.9	100.0	86.7	15.9	100.0	91.8	17.4
Mississippi	100.0	80.5	8.6	44.1	81.5	8.1	100.0	85.2	NA
Missouri	100.0	65.2	10.0	100.0	71.0	13.1	100.0	72.6	12.6
Montana	99.4	49.3	1.5	99.4	50.5	2.0	99.4	51.4	1.7
Nebraska	86.9	49.2	5.6	88.1	56.0	7.2	87.6	59.5	NA
Nevada	100.0	52.0	12.5	100.0	56.9	15.7	100.0	62.5	16.2
New Hampshire	100.0	50.8	4.1	100.0	54.9	5.9	100.0	56.9	8.6
New Jersey	94.7	34.2	3.2	94.6	45.0	NA	94.6	48.4	NA
New Mexico	100.0	52.8	6.8	100.0	53.7	NA	100.0	61.2	NA
New York	100.0	100.0	5.5	100.0	100.0	6.4	100.0	100.0	7.5
North Carolina	100.0	77.7	9.2	100.0	77.9	11.6	100.0	NA	11.8
North Dakota	100.0	89.5	42.5	100.0	92.5	41.4	100.0	94.1	38.9
Ohio	NA	100.0	NA	100.0	100.0	NA	100.0	100.0	NA
Oklahoma	100.0	34.9	0.5	100.0	38.7	0.5	100.0	45.0	0.8
Oregon	100.0	93.2	14.0	100.0	93.9	15.1	100.0	94.8	16.4
Pennsylvania	87.9	31.8	0.5	87.0	NA	0.9	88.1	39.6	1.6
Rhode Island	100.0	48.5	4.0	100.0	50.5	3.3	100.0	54.1	4.0
South Carolina	100.0	90.1	41.0	100.0	90.0	41.6	100.0	91.7	41.0
South Dakota	100.0	77.8	2.7	100.0	79.4	4.1	100.0	82.8	5.2
Tennessee	100.0	82.3	22.7	100.0	86.6	23.2	100.0	89.3	24.4
Texas	99.8	NA	38.1	99.8	66.4	39.2	99.7	72.8	39.0
Utah	100.0	66.1	4.8	100.0	70.9	4.3	100.0	76.9	4.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	9.8	87.5	45.3	10.9	NA	NA	13.5
Washington	100.0	NA	5.2	100.0	86.0	7.0	100.0	87.6	7.8
West Virginia	100.0	41.3	NA	100.0	45.8	9.9	100.0	60.3	6.8
Wisconsin	100.0	62.1	12.7	100.0	69.9	14.8	100.0	75.2	17.7
Wyoming	71.6	48.9	1.7	72.8	52.2	1.7	70.6	48.8	1.7
Total	95.6	61.0	13.8	95.3	65.0	14.5	95.7	67.8	15.0

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2017						2016		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	82.0	27.1	100.0	80.7	26.9	100.0	77.2	24.6
Alaska	100.0	99.0	100.0	100.0	99.1	100.0	100.0	98.5	100.0
Arizona	NA	85.8	14.2	100.0	85.2	13.6	100.0	82.8	15.9
Arkansas	100.0	46.8	1.8	100.0	51.9	1.6	100.0	37.7	1.5
California	95.1	56.9	5.0	NA	56.6	4.8	95.1	51.1	3.9
Colorado	100.0	94.3	9.0	100.0	94.7	9.0	100.0	94.3	7.5
Connecticut	96.5	76.8	51.7	96.6	79.8	52.0	96.2	76.3	49.0
Delaware	100.0	44.6	0.6	100.0	44.7	0.6	100.0	37.2	0.3
District of Columbia	NA	23.1	0.0	71.1	21.9	0.0	73.2	19.5	--
Florida	90.4	31.3	4.0	92.5	30.7	3.2	91.7	30.1	3.4
Georgia	100.0	100.0	26.0	100.0	100.0	25.1	100.0	100.0	22.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.5	3.2	100.0	87.0	2.7	100.0	75.0	2.4
Illinois	85.3	37.1	8.3	86.4	39.5	9.8	86.6	34.4	6.1
Indiana	95.7	66.8	2.4	95.9	68.8	2.7	95.7	66.3	1.7
Iowa	100.0	73.2	3.2	100.0	74.7	4.2	100.0	69.5	3.5
Kansas	100.0	56.1	1.5	100.0	60.9	1.4	100.0	46.2	7.7
Kentucky	96.3	80.6	18.3	96.7	83.1	17.8	96.9	78.0	17.4
Louisiana	100.0	NA	3.3	100.0	NA	3.1	100.0	77.9	3.1
Maine	100.0	64.6	10.6	100.0	63.4	10.9	100.0	57.8	8.4
Maryland	75.2	32.3	8.0	73.5	30.4	8.6	74.1	25.7	4.0
Massachusetts	98.5	51.6	27.9	98.5	53.6	30.5	98.9	47.0	25.8
Michigan	93.0	59.7	9.0	93.3	62.8	10.6	92.9	55.0	6.3
Minnesota	100.0	92.1	17.9	100.0	91.1	21.7	100.0	85.1	15.7
Mississippi	100.0	84.9	NA	100.0	87.7	9.7	100.0	84.2	9.7
Missouri	100.0	NA	17.2	100.0	79.0	15.4	100.0	72.1	11.8
Montana	99.3	55.5	2.7	99.4	55.9	2.8	99.6	47.6	1.4
Nebraska	87.6	59.4	8.5	87.7	60.4	8.5	87.5	58.5	6.2
Nevada	100.0	69.3	20.0	100.0	69.1	18.7	100.0	58.5	12.7
New Hampshire	100.0	56.3	6.8	100.0	57.0	7.0	100.0	53.7	5.7
New Jersey	94.5	49.5	NA	94.4	NA	NA	94.3	37.3	5.2
New Mexico	100.0	64.0	4.3	100.0	57.7	5.5	100.0	54.3	9.0
New York	100.0	100.0	7.9	100.0	100.0	7.6	100.0	100.0	5.9
North Carolina	100.0	84.4	12.4	100.0	87.4	13.9	100.0	83.1	10.6
North Dakota	100.0	94.1	28.3	100.0	94.5	36.6	100.0	92.8	31.6
Ohio	100.0	100.0	3.2	100.0	100.0	2.7	100.0	100.0	2.0
Oklahoma	100.0	52.5	1.5	100.0	53.6	1.9	100.0	40.4	0.5
Oregon	100.0	95.1	16.9	100.0	95.7	17.2	100.0	94.4	14.4
Pennsylvania	87.4	39.8	1.7	NA	41.1	1.9	87.6	37.4	1.0
Rhode Island	100.0	53.5	NA	100.0	54.6	4.0	100.0	52.8	3.3
South Carolina	100.0	91.9	43.1	100.0	93.0	40.6	100.0	91.6	41.3
South Dakota	100.0	83.6	7.1	100.0	85.0	6.4	100.0	80.5	4.5
Tennessee	100.0	91.0	24.0	100.0	91.6	24.7	100.0	87.2	27.1
Texas	99.8	NA	38.5	NA	NA	NA	99.8	70.7	40.1
Utah	100.0	77.1	4.1	100.0	80.8	4.2	100.0	76.1	5.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	89.6	53.2	9.0	89.4	59.9	13.2	90.1	51.7	10.1
Washington	100.0	87.9	8.5	100.0	89.4	9.0	100.0	85.4	6.2
West Virginia	100.0	60.3	8.0	100.0	61.6	7.0	100.0	51.7	9.6
Wisconsin	100.0	76.8	18.8	100.0	79.0	21.7	100.0	70.9	16.1
Wyoming	71.0	49.1	2.0	71.7	51.0	NA	72.8	51.8	1.8
Total	95.9	69.1	15.0	96.0	70.5	15.0	95.8	64.8	14.7

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2015-2017 – continued

State	2016								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.7	25.9	100.0	69.8	24.8	100.0	70.3	25.6
Alaska	100.0	99.1	100.0	100.0	98.9	100.0	100.0	97.7	100.0
Arizona	100.0	83.6	14.0	100.0	80.5	15.2	100.0	78.3	18.5
Arkansas	100.0	41.2	1.3	100.0	25.3	1.8	100.0	25.9	1.4
California	95.5	54.0	4.1	95.7	52.0	4.5	95.0	49.5	4.3
Colorado	100.0	95.7	9.4	100.0	94.8	7.7	100.0	92.5	5.5
Connecticut	96.4	77.6	52.5	95.9	75.7	49.2	95.1	72.7	47.5
Delaware	100.0	36.1	0.5	100.0	29.5	0.3	100.0	22.8	0.2
District of Columbia	78.5	26.3	--	69.3	16.9	--	68.9	15.5	--
Florida	90.6	29.5	3.3	89.6	29.8	3.4	91.7	29.5	3.1
Georgia	100.0	100.0	23.6	100.0	100.0	23.0	100.0	100.0	21.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	85.4	2.6	100.0	75.5	2.4	100.0	67.1	2.2
Illinois	88.2	40.1	9.7	88.1	33.8	5.6	87.1	29.0	4.1
Indiana	95.9	70.9	2.2	95.9	66.6	1.6	95.0	63.8	1.5
Iowa	100.0	73.8	3.9	100.0	69.1	5.4	100.0	65.8	4.0
Kansas	100.0	57.4	1.7	100.0	43.2	4.3	100.0	31.0	5.3
Kentucky	97.5	82.4	17.9	98.1	73.8	16.4	97.9	69.4	16.7
Louisiana	100.0	77.2	3.1	100.0	75.4	3.0	100.0	74.0	3.1
Maine	100.0	60.5	11.8	100.0	54.4	11.3	100.0	49.9	6.7
Maryland	77.8	31.1	6.3	75.4	23.6	4.4	73.9	20.9	1.6
Massachusetts	98.7	51.8	26.3	98.7	44.2	22.3	98.6	36.4	22.1
Michigan	93.3	60.9	9.1	93.3	54.8	5.6	93.1	48.8	3.6
Minnesota	100.0	89.7	18.7	100.0	87.9	18.5	100.0	83.4	17.0
Mississippi	100.0	86.6	9.3	100.0	80.7	9.5	100.0	81.0	11.0
Missouri	100.0	75.8	14.2	100.0	64.5	10.7	100.0	61.7	9.6
Montana	99.5	49.3	2.3	99.5	41.7	1.4	99.6	40.6	1.6
Nebraska	86.1	57.1	6.5	85.2	47.8	5.7	88.1	57.2	5.3
Nevada	100.0	65.4	17.6	100.0	55.7	13.7	100.0	50.0	12.0
New Hampshire	100.0	54.5	6.3	100.0	51.0	4.3	100.0	47.2	2.5
New Jersey	94.4	39.2	8.7	94.4	38.9	5.1	94.6	30.5	3.0
New Mexico	100.0	52.5	10.0	99.9	40.5	14.0	100.0	43.3	13.4
New York	100.0	100.0	5.9	100.0	100.0	4.7	100.0	100.0	4.7
North Carolina	100.0	85.6	12.1	100.0	83.3	10.4	100.0	77.7	9.0
North Dakota	100.0	94.2	28.1	100.0	92.8	36.9	100.0	90.7	39.5
Ohio	100.0	100.0	2.8	100.0	100.0	1.6	100.0	100.0	1.1
Oklahoma	100.0	38.1	0.8	100.0	24.4	0.3	100.0	25.6	0.3
Oregon	100.0	95.6	16.0	100.0	94.3	15.1	100.0	94.2	14.0
Pennsylvania	88.0	40.4	1.5	88.9	38.3	0.8	88.1	33.1	0.5
Rhode Island	100.0	54.5	3.6	100.0	51.7	2.7	100.0	54.0	3.5
South Carolina	100.0	92.6	39.1	100.0	91.6	40.9	100.0	90.1	41.5
South Dakota	100.0	83.3	6.7	100.0	80.8	6.7	100.0	76.4	3.1
Tennessee	100.0	89.5	25.0	100.0	84.9	24.4	100.0	80.8	23.5
Texas	99.7	75.8	37.5	99.5	65.4	38.1	99.7	63.9	38.6
Utah	100.0	80.8	5.0	100.0	67.9	4.4	100.0	66.7	4.5
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	92.0	63.1	14.1	91.5	45.9	10.9	89.6	45.3	10.8
Washington	100.0	90.1	8.0	100.0	86.2	6.6	100.0	85.1	5.4
West Virginia	100.0	61.5	8.5	100.0	51.6	6.2	100.0	39.8	10.8
Wisconsin	100.0	77.6	19.9	100.0	70.2	17.2	100.0	62.0	15.0
Wyoming	74.5	58.2	2.1	73.9	52.9	1.6	77.5	55.3	1.4
Total	96.0	68.2	14.7	96.0	63.5	14.5	95.9	59.9	14.4

^R Revised data.

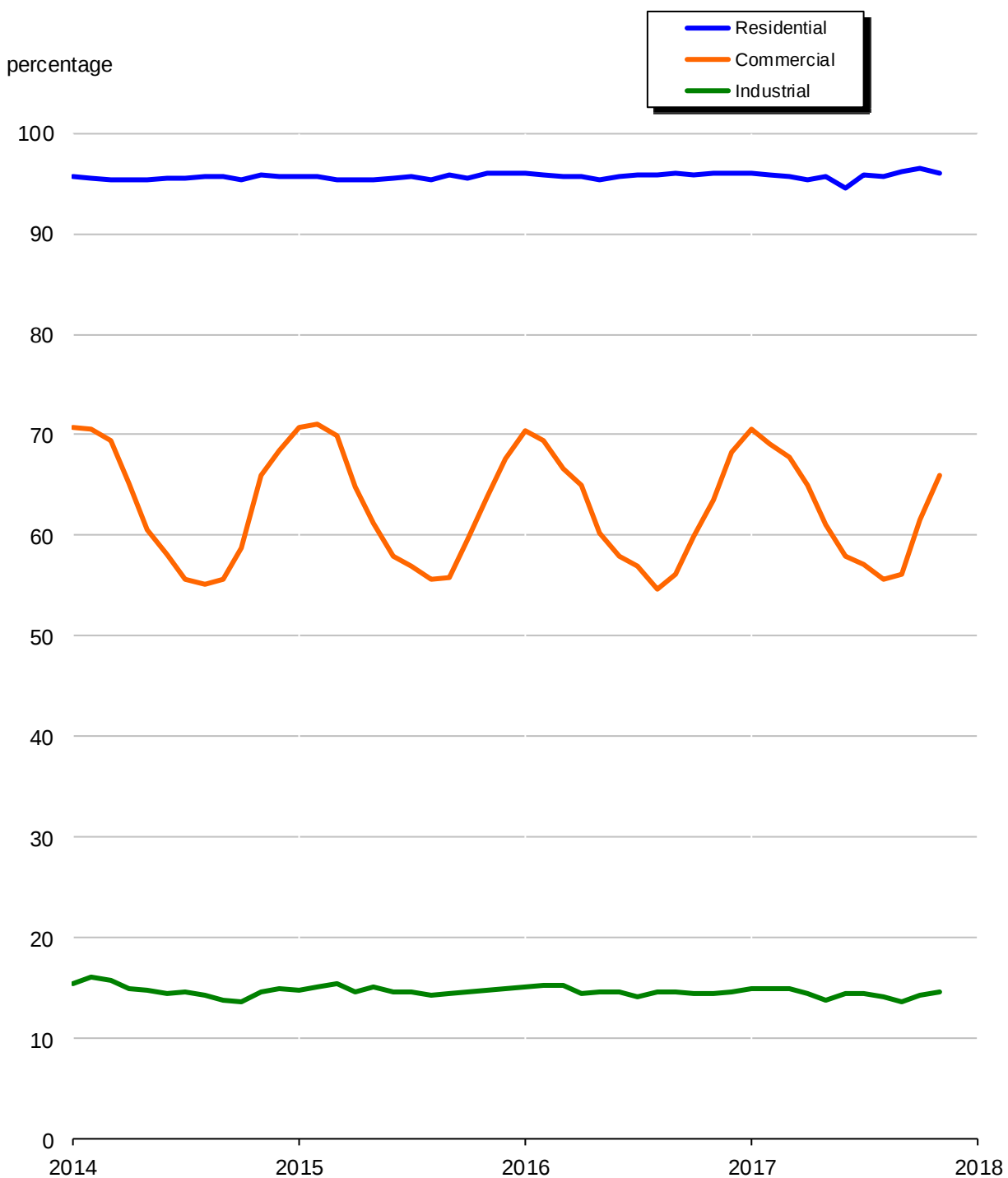
-- Not applicable.

NA Not available.

Notes: Volumes of natural gas reported for the residential, commercial, and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percentage of the total state volume that represents natural gas sales to the residential, commercial, and industrial sectors. This information may be helpful in evaluating residential, commercial, and industrial price data which are based on sales data only. 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. Percentage of total deliveries included in residential, commercial, and industrial price estimates, 2014-2017



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, 2015-2017
(Btu per cubic foot)

State	2017 11-Month YTD	2016 11-Month YTD	2015 11-Month YTD						2017
				November	October	September	August	July	
Alabama	1,030	1,029	1,030	1,029	1,030	1,031	1,030	1,031	
Alaska	990	1,001	1,001	996	983	980	964	974	
Arizona	1,040	1,037	1,038	1,040	1,039	1,047	1,040	1,039	
Arkansas	1,025	1,025	1,029	1,014	1,021	1,020	1,018	1,017	
California	1,034	1,035	1,035	1,033	1,032	1,036	1,036	1,037	
Colorado	1,065	1,063	1,059	1,061	1,069	1,067	1,074	1,072	
Connecticut	1,026	1,026	1,027	1,029	1,026	1,026	1,026	1,026	
Delaware	1,039	1,042	1,050	1,044	1,042	1,042	1,040	1,038	
District of Columbia	1,041	1,043	1,044	1,041	1,033	1,034	1,034	1,030	
Florida	1,023	1,023	1,024	1,020	1,021	1,022	1,025	1,024	
Georgia	1,031	1,030	1,028	1,026	1,028	1,032	1,030	1,032	
Hawaii	973	983	980	969	984	978	983	987	
Idaho	1,036	1,033	1,027	1,031	1,030	1,037	1,034	1,035	
Illinois	1,031	1,031	1,029	1,032	1,030	1,027	1,027	1,027	
Indiana	1,046	1,039	1,036	1,050	1,049	1,049	1,050	1,049	
Iowa	1,055	1,054	1,051	1,058	1,060	1,061	1,059	1,058	
Kansas	1,037	1,036	1,038	1,038	1,034	1,037	1,034	1,034	
Kentucky	1,041	1,032	1,025	1,056	1,060	1,051	1,042	1,040	
Louisiana	1,029	1,033	1,032	1,020	1,023	1,025	1,022	1,022	
Maine	1,025	1,025	1,026	1,030	1,022	1,017	1,018	1,017	
Maryland	1,048	1,051	1,055	1,038	1,042	1,045	1,047	1,044	
Massachusetts	1,031	1,030	1,030	1,030	1,030	1,030	1,031	1,032	
Michigan	1,042	1,041	1,030	1,043	1,042	1,043	1,043	1,042	
Minnesota	1,031	1,040	1,041	1,038	1,032	1,029	1,027	1,030	
Mississippi	1,032	1,032	1,031	1,027	1,027	1,031	1,030	1,035	
Missouri	1,021	1,024	1,023	1,021	1,022	1,020	1,021	1,018	
Montana	1,035	1,030	1,028	1,045	1,052	1,042	1,048	1,045	
Nebraska	1,057	1,055	1,055	1,054	1,065	1,071	1,069	1,070	
Nevada	1,039	1,041	1,043	1,030	1,035	1,038	1,039	1,043	
New Hampshire	1,030	1,029	1,031	1,031	1,029	1,028	1,028	1,026	
New Jersey	1,040	1,040	1,046	1,042	1,036	1,039	1,038	1,036	
New Mexico	1,043	1,048	1,040	1,042	1,041	1,046	1,045	1,043	
New York	1,032	1,031	1,033	1,033	1,031	1,031	1,031	1,030	
North Carolina	1,037	1,036	1,034	1,032	1,040	1,038	1,036	1,037	
North Dakota	1,055	1,057	1,048	1,086	1,094	1,100	1,083	1,085	
Ohio	1,070	1,070	1,066	1,071	1,076	1,070	1,069	1,067	
Oklahoma	1,042	1,049	1,047	1,036	1,036	1,051	1,043	1,043	
Oregon	1,054	1,040	1,037	1,062	1,059	1,058	1,067	1,073	
Pennsylvania	1,039	1,041	1,047	1,041	1,039	1,039	1,038	1,038	
Rhode Island	1,030	1,029	1,028	1,029	1,030	1,030	1,030	1,030	
South Carolina	1,030	1,029	1,030	1,029	1,031	1,032	1,030	1,030	
South Dakota	1,054	1,055	1,050	1,058	1,056	1,055	1,054	1,054	
Tennessee	1,027	1,028	1,026	1,030	1,027	1,026	1,029	1,030	
Texas	1,030	1,031	1,033	1,027	1,028	1,034	1,030	1,030	
Utah	1,042	1,042	1,043	1,042	1,041	1,041	1,039	1,041	
Vermont	1,029	1,025	1,026	1,033	1,026	1,021	1,022	1,020	
Virginia	1,051	1,053	1,053	1,052	1,051	1,050	1,051	1,051	
Washington	1,081	1,079	1,064	1,084	1,082	1,075	1,083	1,091	
West Virginia	1,083	1,089	1,086	1,086	1,081	1,087	1,055	1,092	
Wisconsin	1,032	1,035	1,038	1,039	1,034	1,027	1,027	1,026	
Wyoming	1,063	1,070	1,054	1,047	1,049	1,050	1,058	1,055	
Total	1,036	1,036	1,037	1,037	1,035	1,036	1,035	1,035	

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot) – continued

State	2017						2016	
	June	May	April	March	February	January	Total	December
Alabama	1,030	1,031	1,030	1,028	1,029	1,028	1,029	1,030
Alaska	988	995	994	996	1,000	1,000	1,001	1,000
Arizona	1,037	1,038	1,038	1,040	1,043	1,042	1,037	1,039
Arkansas	1,019	1,016	1,022	1,017	1,019	1,018	1,019	1,019
California	1,037	1,033	1,033	1,034	1,034	1,036	1,035	1,034
Colorado	1,069	1,065	1,063	1,062	1,060	1,060	1,063	1,059
Connecticut	1,025	1,025	1,025	1,026	1,026	1,026	1,027	1,026
Delaware	1,037	1,037	1,041	1,045	1,045	1,047	1,046	1,047
District of Columbia	1,029	1,034	1,035	1,047	1,049	1,051	1,044	1,045
Florida	1,023	1,024	1,023	1,023	1,025	1,024	1,023	1,025
Georgia	1,032	1,033	1,030	1,029	1,033	1,030	1,030	1,031
Hawaii	987	984	959	954	972	955	981	954
Idaho	1,069	1,044	1,051	1,037	1,036	1,036	1,038	1,033
Illinois	1,027	1,028	1,030	1,030	1,031	1,033	1,031	1,033
Indiana	1,044	1,042	1,036	1,034	1,034	1,038	1,038	1,035
Iowa	1,056	1,057	1,055	1,052	1,052	1,052	1,056	1,056
Kansas	1,033	1,035	1,041	1,037	1,036	1,042	1,034	1,038
Kentucky	1,043	1,028	1,030	1,035	1,035	1,037	1,030	1,026
Louisiana	1,020	1,022	1,023	1,022	1,022	1,023	1,024	1,023
Maine	1,021	1,022	1,026	1,036	1,049	1,037	1,026	1,030
Maryland	1,041	1,046	1,043	1,055	1,056	1,054	1,051	1,050
Massachusetts	1,030	1,030	1,029	1,031	1,031	1,031	1,030	1,030
Michigan	1,042	1,043	1,039	1,042	1,045	1,045	1,041	1,044
Minnesota	1,028	1,034	1,032	1,033	1,028	1,028	1,037	1,033
Mississippi	1,035	1,032	1,032	1,035	1,035	1,034	1,031	1,033
Missouri	1,020	1,021	1,022	1,021	1,022	1,022	1,024	1,024
Montana	1,040	1,026	1,032	1,036	1,034	1,036	1,034	1,035
Nebraska	1,066	1,063	1,061	1,058	1,060	1,057	1,059	1,059
Nevada	1,044	1,035	1,039	1,039	1,040	1,041	1,041	1,041
New Hampshire	1,030	1,029	1,028	1,032	1,036	1,032	1,029	1,031
New Jersey	1,036	1,037	1,038	1,043	1,042	1,043	1,041	1,042
New Mexico	1,040	1,042	1,040	1,042	1,043	1,045	1,046	1,041
New York	1,031	1,031	1,032	1,033	1,033	1,033	1,031	1,033
North Carolina	1,038	1,040	1,045	1,033	1,032	1,033	1,035	1,032
North Dakota	1,085	1,080	1,080	1,078	1,083	1,076	1,083	1,092
Ohio	1,068	1,068	1,069	1,072	1,071	1,071	1,071	1,073
Oklahoma	1,044	1,041	1,042	1,041	1,043	1,046	1,049	1,053
Oregon	1,086	1,079	1,076	1,035	1,035	1,036	1,059	1,038
Pennsylvania	1,038	1,038	1,038	1,040	1,040	1,041	1,041	1,040
Rhode Island	1,030	1,029	1,029	1,029	1,029	1,029	1,029	1,028
South Carolina	1,030	1,032	1,031	1,030	1,031	1,030	1,030	1,031
South Dakota	1,050	1,051	1,049	1,050	1,051	1,055	1,056	1,052
Tennessee	1,032	1,032	1,029	1,028	1,031	1,032	1,030	1,033
Texas	1,028	1,029	1,030	1,026	1,029	1,027	1,030	1,029
Utah	1,041	1,042	1,042	1,043	1,043	1,043	1,042	1,043
Vermont	1,026	1,024	1,025	1,033	1,036	1,034	1,024	1,029
Virginia	1,052	1,051	1,055	1,057	1,052	1,057	1,053	1,054
Washington	1,082	1,077	1,080	1,078	1,075	1,076	1,078	1,080
West Virginia	1,105	1,094	1,103	1,086	1,089	1,084	1,097	1,085
Wisconsin	1,029	1,036	1,034	1,035	1,038	1,041	1,039	1,041
Wyoming	1,053	1,052	1,051	1,055	1,066	1,060	1,074	1,057
Total	1,035	1,035	1,036	1,037	1,038	1,039	1,037	1,039

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017

(Btu per cubic foot) – continued

State								2016
	November	October	September	August	July	June	May	April
Alabama	1,030	1,031	1,032	1,031	1,029	1,026	1,028	1,028
Alaska	1,000	1,001	1,002	1,003	1,003	1,003	1,002	1,001
Arizona	1,034	1,031	1,034	1,035	1,031	1,031	1,037	1,042
Arkansas	1,021	1,018	1,020	1,022	1,021	1,020	1,018	1,019
California	1,032	1,033	1,037	1,038	1,035	1,042	1,021	1,035
Colorado	1,063	1,069	1,075	1,074	1,072	1,071	1,066	1,065
Connecticut	1,026	1,026	1,026	1,025	1,025	1,026	1,025	1,026
Delaware	1,045	1,046	1,046	1,043	1,044	1,042	1,042	1,044
District of Columbia	1,040	1,035	1,038	1,038	1,038	1,034	1,035	1,040
Florida	1,024	1,023	1,026	1,026	1,023	1,020	1,021	1,023
Georgia	1,030	1,032	1,032	1,029	1,028	1,027	1,030	1,028
Hawaii	947	952	945	947	967	1,050	1,018	992
Idaho	1,036	1,035	1,035	1,035	1,028	1,035	1,044	1,056
Illinois	1,031	1,029	1,028	1,030	1,029	1,027	1,032	1,032
Indiana	1,046	1,048	1,042	1,047	1,035	1,042	1,038	1,034
Iowa	1,059	1,059	1,059	1,061	1,057	1,058	1,057	1,053
Kansas	1,039	1,037	1,038	1,039	1,033	1,034	1,032	1,033
Kentucky	1,039	1,027	1,030	1,038	1,033	1,025	1,018	1,026
Louisiana	1,022	1,022	1,026	1,028	1,022	1,023	1,022	1,021
Maine	1,018	1,016	1,019	1,026	1,023	1,023	1,019	1,024
Maryland	1,045	1,042	1,046	1,051	1,052	1,046	1,047	1,048
Massachusetts	1,029	1,029	1,029	1,028	1,028	1,029	1,029	1,029
Michigan	1,048	1,047	1,047	1,052	1,044	1,041	1,038	1,040
Minnesota	1,033	1,037	1,038	1,036	1,034	1,044	1,042	1,041
Mississippi	1,037	1,032	1,034	1,031	1,022	1,030	1,036	1,033
Missouri	1,024	1,024	1,023	1,024	1,022	1,022	1,021	1,024
Montana	1,039	1,029	1,034	1,033	1,028	1,029	1,023	1,023
Nebraska	1,063	1,068	1,069	1,073	1,070	1,064	1,064	1,062
Nevada	1,038	1,039	1,044	1,045	1,044	1,038	1,039	1,042
New Hampshire	1,027	1,028	1,026	1,026	1,026	1,028	1,027	1,029
New Jersey	1,040	1,038	1,038	1,039	1,038	1,037	1,037	1,039
New Mexico	1,040	1,039	1,048	1,055	1,046	1,049	1,052	1,048
New York	1,031	1,030	1,030	1,029	1,029	1,030	1,029	1,033
North Carolina	1,034	1,039	1,037	1,035	1,033	1,034	1,038	1,038
North Dakota	1,075	1,072	1,061	1,090	1,089	1,070	1,091	1,108
Ohio	1,071	1,072	1,068	1,067	1,068	1,069	1,070	1,068
Oklahoma	1,050	1,050	1,053	1,051	1,049	1,046	1,047	1,044
Oregon	1,035	1,038	1,038	1,046	1,045	1,044	1,043	1,038
Pennsylvania	1,039	1,040	1,041	1,039	1,040	1,041	1,042	1,042
Rhode Island	1,028	1,030	1,029	1,028	1,028	1,028	1,029	1,034
South Carolina	1,029	1,031	1,030	1,030	1,029	1,029	1,030	1,031
South Dakota	1,052	1,053	1,056	1,057	1,060	1,058	1,054	1,052
Tennessee	1,035	1,028	1,026	1,025	1,025	1,024	1,031	1,031
Texas	1,028	1,030	1,034	1,035	1,031	1,027	1,029	1,032
Utah	1,042	1,041	1,041	1,042	1,042	1,040	1,041	1,042
Vermont	1,022	1,019	1,016	1,017	1,016	1,025	1,023	1,028
Virginia	1,055	1,052	1,053	1,054	1,054	1,052	1,054	1,052
Washington	1,083	1,081	1,076	1,085	1,085	1,080	1,078	1,078
West Virginia	1,083	1,083	1,103	1,109	1,108	1,118	1,096	1,096
Wisconsin	1,033	1,036	1,029	1,026	1,026	1,033	1,037	1,038
Wyoming	1,056	1,050	1,054	1,058	1,053	1,048	1,053	1,055
Total	1,037	1,036	1,037	1,037	1,034	1,034	1,034	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017

(Btu per cubic foot) – continued

State	2016			2015				
	March	February	January	Total	December	November	October	September
Alabama	1,030	1,025	1,029	1,030	1,029	1,029	1,030	1,030
Alaska	1,001	1,000	1,000	1,001	1,000	1,001	1,001	1,001
Arizona	1,050	1,047	1,046	1,040	1,044	1,041	1,042	1,040
Arkansas	1,017	1,015	1,019	1,020	1,015	1,014	1,029	1,019
California	1,034	1,036	1,038	1,036	1,037	1,037	1,035	1,037
Colorado	1,055	1,052	1,050	1,060	1,051	1,060	1,069	1,076
Connecticut	1,026	1,026	1,026	1,027	1,026	1,027	1,028	1,026
Delaware	1,043	1,050	1,055	1,050	1,049	1,051	1,051	1,043
District of Columbia	1,043	1,049	1,051	1,044	1,044	1,039	1,045	1,035
Florida	1,024	1,025	1,015	1,024	1,023	1,023	1,023	1,024
Georgia	1,030	1,030	1,029	1,027	1,027	1,026	1,028	1,029
Hawaii	1,003	1,004	998	982	997	996	996	989
Idaho	1,044	1,038	1,034	1,030	1,041	1,035	1,033	1,024
Illinois	1,030	1,031	1,031	1,029	1,030	1,030	1,028	1,028
Indiana	1,032	1,033	1,030	1,027	1,033	1,034	1,039	1,041
Iowa	1,052	1,052	1,053	1,053	1,056	1,057	1,058	1,058
Kansas	1,037	1,036	1,032	1,035	1,031	1,035	1,037	1,039
Kentucky	1,023	1,025	1,027	1,022	1,024	1,021	1,024	1,020
Louisiana	1,022	1,025	1,024	1,025	1,023	1,022	1,023	1,023
Maine	1,030	1,037	1,035	1,027	1,027	1,025	1,026	1,019
Maryland	1,050	1,055	1,061	1,055	1,050	1,049	1,053	1,050
Massachusetts	1,030	1,032	1,031	1,029	1,030	1,029	1,028	1,027
Michigan	1,036	1,038	1,040	1,032	1,040	1,041	1,034	1,036
Minnesota	1,039	1,035	1,043	1,040	1,041	1,045	1,041	1,039
Mississippi	1,039	1,032	1,031	1,030	1,030	1,029	1,028	1,031
Missouri	1,024	1,023	1,024	1,012	1,023	1,024	1,025	1,026
Montana	1,027	1,030	1,033	1,032	1,034	1,034	1,032	1,032
Nebraska	1,048	1,054	1,054	1,057	1,053	1,055	1,060	1,068
Nevada	1,037	1,042	1,043	1,042	1,042	1,043	1,043	1,044
New Hampshire	1,031	1,039	1,035	1,030	1,030	1,029	1,029	1,028
New Jersey	1,042	1,043	1,044	1,045	1,044	1,044	1,041	1,041
New Mexico	1,048	1,048	1,046	1,038	1,046	1,042	1,048	1,040
New York	1,033	1,034	1,033	1,032	1,033	1,032	1,032	1,032
North Carolina	1,037	1,034	1,034	1,035	1,034	1,033	1,040	1,038
North Dakota	1,099	1,095	1,095	1,086	1,112	1,097	1,093	1,078
Ohio	1,070	1,072	1,073	1,068	1,077	1,077	1,071	1,071
Oklahoma	1,048	1,047	1,049	1,047	1,050	1,047	1,049	1,049
Oregon	1,036	1,034	1,033	1,048	1,036	1,035	1,036	1,038
Pennsylvania	1,042	1,045	1,048	1,046	1,046	1,046	1,045	1,044
Rhode Island	1,025	1,027	1,032	1,028	1,028	1,028	1,028	1,028
South Carolina	1,029	1,031	1,031	1,030	1,030	1,030	1,031	1,031
South Dakota	1,053	1,058	1,060	1,054	1,058	1,053	1,053	1,056
Tennessee	1,034	1,035	1,035	1,029	1,034	1,031	1,032	1,025
Texas	1,030	1,028	1,029	1,034	1,030	1,033	1,036	1,036
Utah	1,041	1,043	1,046	1,044	1,046	1,044	1,044	1,042
Vermont	1,030	1,032	1,029	1,025	1,027	1,027	1,030	1,020
Virginia	1,056	1,055	1,055	1,052	1,057	1,051	1,053	1,055
Washington	1,077	1,075	1,070	1,065	1,073	1,069	1,064	1,066
West Virginia	1,096	1,096	1,092	1,097	1,090	1,114	1,090	1,102
Wisconsin	1,038	1,046	1,045	1,042	1,044	1,043	1,045	1,034
Wyoming	1,071	1,052	1,056	1,060	1,054	1,046	1,040	1,041
Total	1,037	1,038	1,038	1,037	1,038	1,038	1,037	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2015-2017
(Btu per cubic foot) – continued

State	2015							
	August	July	June	May	April	March	February	January
Alabama	1,030	1,032	1,032	1,031	1,032	1,029	1,026	1,028
Alaska	1,002	1,002	1,002	1,001	1,002	1,001	1,000	1,000
Arizona	1,038	1,038	1,036	1,038	1,040	1,036	1,038	1,038
Arkansas	1,022	1,023	1,020	1,022	1,025	1,023	1,023	1,021
California	1,037	1,037	1,037	1,033	1,034	1,033	1,035	1,034
Colorado	1,069	1,073	1,070	1,059	1,059	1,051	1,044	1,046
Connecticut	1,026	1,027	1,027	1,049	1,026	1,029	1,026	1,017
Delaware	1,044	1,044	1,055	1,055	1,051	1,062	1,061	1,061
District of Columbia	1,036	1,037	1,040	1,044	1,044	1,046	1,047	1,045
Florida	1,024	1,026	1,026	1,026	1,024	1,024	1,025	1,024
Georgia	1,028	1,030	1,031	1,028	1,026	1,025	1,026	1,025
Hawaii	965	1,011	1,005	990	959	947	954	968
Idaho	1,028	1,034	1,010	1,000	1,023	1,030	1,037	1,047
Illinois	1,027	1,027	1,027	1,029	1,028	1,029	1,030	1,027
Indiana	1,044	1,043	1,043	1,037	1,039	1,031	1,029	1,028
Iowa	1,059	1,059	1,060	1,054	1,051	1,047	1,047	1,045
Kansas	1,042	1,040	1,039	1,044	1,036	1,035	1,034	1,033
Kentucky	1,015	1,024	1,021	1,023	1,016	1,015	1,018	1,023
Louisiana	1,024	1,028	1,027	1,028	1,029	1,029	1,031	1,030
Maine	1,018	1,020	1,020	1,022	1,025	1,030	1,035	1,033
Maryland	1,049	1,055	1,057	1,058	1,051	1,058	1,061	1,059
Massachusetts	1,028	1,029	1,027	1,027	1,029	1,030	1,035	1,035
Michigan	1,035	1,034	1,033	1,028	1,035	1,030	1,026	1,027
Minnesota	1,041	1,043	1,047	1,044	1,037	1,033	1,034	1,041
Mississippi	1,029	1,030	1,030	1,032	1,037	1,031	1,033	1,036
Missouri	1,026	1,026	1,026	1,024	1,026	1,025	1,020	1,017
Montana	1,033	1,031	1,030	1,019	1,021	1,028	1,029	1,028
Nebraska	1,071	1,068	1,063	1,061	1,057	1,053	1,054	1,052
Nevada	1,043	1,044	1,045	1,043	1,043	1,041	1,040	1,040
New Hampshire	1,028	1,027	1,028	1,028	1,029	1,033	1,041	1,037
New Jersey	1,042	1,043	1,043	1,043	1,043	1,050	1,050	1,050
New Mexico	1,049	1,038	1,039	1,038	1,034	1,034	1,038	1,038
New York	1,031	1,031	1,032	1,032	1,034	1,034	1,035	1,034
North Carolina	1,037	1,038	1,033	1,035	1,035	1,030	1,028	1,030
North Dakota	1,095	1,117	1,089	1,084	1,084	1,072	1,078	1,036
Ohio	1,068	1,069	1,068	1,072	1,073	1,062	1,062	1,065
Oklahoma	1,047	1,050	1,049	1,048	1,045	1,044	1,043	1,042
Oregon	1,039	1,039	1,042	1,039	1,035	1,032	1,031	1,031
Pennsylvania	1,044	1,044	1,046	1,050	1,049	1,049	1,054	1,053
Rhode Island	1,028	1,028	1,028	1,028	1,029	1,029	1,029	1,029
South Carolina	1,029	1,031	1,030	1,030	1,029	1,028	1,028	1,030
South Dakota	1,060	1,062	1,059	1,054	1,051	1,047	1,048	1,048
Tennessee	1,023	1,027	1,025	1,025	1,027	1,029	1,029	1,028
Texas	1,035	1,036	1,036	1,036	1,034	1,029	1,028	1,026
Utah	1,043	1,043	1,043	1,043	1,049	1,047	1,046	1,039
Vermont	1,019	1,022	1,021	1,021	1,024	1,027	1,035	1,026
Virginia	1,054	1,056	1,055	1,055	1,045	1,051	1,053	1,056
Washington	1,065	1,070	1,069	1,065	1,062	1,060	1,054	1,052
West Virginia	1,099	1,099	1,096	1,107	1,103	1,069	1,084	1,097
Wisconsin	1,040	1,036	1,040	1,038	1,039	1,040	1,044	1,042
Wyoming	1,044	1,042	1,045	1,045	1,043	1,042	1,041	1,043
Total	1,036	1,037	1,037	1,037	1,037	1,036	1,036	1,036

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," and Form EIA-923, "Power Plant Operations Report."

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

Month/Year/Type of data	New England	Middle Atlantic	East North Central	West North Central	South Atlantic
	CT, ME, MA, NH, RI, VT	NJ, NY, PA	IL, IN, MI, OH, WI	IA, KS, MN, MO, ND, NE, SD	DE, FL, GA, MD, DC, NC, SC, VA, WV
November					
Normal	702	665	758	841	443
2016	638	576	575	577	384
2017	706	674	743	780	433
% Diff (normal to 2017)	0.6	1.4	-2.0	-7.3	-2.3
% Diff (2016 to 2017)	10.7	17.0	29.2	35.2	12.8
December					
Normal	1,045	994	1,136	1,250	700
2016	1,004	945	1,147	1,240	633
2017	1,146	1,065	1,181	1,216	698
% Diff (normal to 2017)	9.7	7.1	4.0	-2.7	-0.3
% Diff (2016 to 2017)	14.1	12.7	3.0	-1.9	10.3
November to December					
Normal	1,747	1,659	1,894	2,091	1,143
2016	1,642	1,521	1,722	1,817	1,017
2017	1,852	1,739	1,924	1,996	1,131
% Diff (normal to 2017)	6.0	4.8	1.6	-4.5	-1.1
% Diff (2016 to 2017)	12.8	14.3	11.7	9.9	11.2

See footnotes at end of table.

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

	East South Central	West South Central	Mountain	Pacific ^b	
	AZ, CO, ID, MT, NV, NM, UT, WY				
Month/Year/Type of data	AL, KY, MS, TN	AR, LA, OK, TX		CA, OR, WA	U.S. Average ^b
November					
Normal	455	305	739	366	589
2016	351	172	550	263	452
2017	408	198	528	262	535
% Diff (normal to 2017)	-10.3	-35.1	-28.6	-28.4	-9.2
% Diff (2016 to 2017)	16.2	15.1	-4.0	-0.4	18.4
December					
Normal	722	537	998	531	884
2016	660	461	992	548	863
2017	724	512	892	412	875
% Diff (normal to 2017)	0.3	-4.7	-10.6	-22.4	-1.0
% Diff (2016 to 2017)	9.7	11.1	-10.1	-24.8	1.4
November to December					
Normal	1,177	842	1,737	897	1,473
2016	1,011	633	1,542	811	1,315
2017	1,132	710	1,420	674	1,410
% Diff (normal to 2017)	-3.8	-15.7	-18.3	-24.9	-4.3
% Diff (2016 to 2017)	12.0	12.2	-7.9	-16.9	7.2

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

^b Excludes Alaska and Hawaii.

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

Source: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

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

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

Note 1. Production

Monthly Data

Estimates of gross withdrawals and marketed production for the Lower 48 states are derived from submissions by well operators on the monthly Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For 2017 forward, volumes are available only for those states/areas that were collected individually on

the EIA-914 survey (Arkansas, California (including State Offshore), Colorado, Federal Offshore Gulf of Mexico, Kansas, Louisiana (including State Offshore), Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas (including State Offshore), Utah, West Virginia, and Wyoming). The “other states” category comprises states/areas not individually collected on the EIA-914 survey (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). All data for Alaska are obtained directly from the state. 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.)

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 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, and marketed production (wet). Beginning in 2011, EIA has obtained similar data directly from the states agencies. Production data for the Federal waters of the Gulf of Mexico are provided by the Bureau of Safety & Environmental Enforcement.

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 2012 through 2016 include both underground and liquefied natural gas (LNG) storage. Beginning in January 2013, U.S. totals include Alaska data. Prior to 2013, totals only included data from the lower 48 states. Beginning in November 2015, new region breakouts of the storage data shown in Tables 12 and 13 were introduced, replacing the Producing, East, and West region breakouts. The states included in each of the new regions are as follows:

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

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

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

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

Pacific Region: California, Oregon, and Washington.

Monthly Data

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

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

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

Annual Data

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

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

Note 6. Consumption

Monthly Data

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

Annual Data

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

Residential, Commercial, and Industrial Consumption

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

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

Vehicle Fuel Use

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

Electric Power Consumption

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

Pipeline and Distribution Use

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

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

Lease and Plant Fuel Consumption

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

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

Note 7. Balancing Item

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

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

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

Note 8. Average Price of Deliveries to Consumers

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

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

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

Monthly Data

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

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

The NGPL composite spot price is calculated as:

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

where:

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

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

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

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

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

Annual Data

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

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

Note 10. Heating Degree-Days

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

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

Note 11. Heat Content

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

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Appendix B

Data Sources

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 2017 for report year 2016 totaled approximately 2,038 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

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

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

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

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

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

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

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

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

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

The EIA-895 also collected data on volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on

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

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

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

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

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

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

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

and pipelines to which each field is connected. The annual schedule for the prior year is filed with the December submission.

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

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

“Quarterly Natural Gas Import and Export Sales and Price Report”

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

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

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

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

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

Form EIA-857 data are used to estimate monthly sales of natural gas (volume and price) by state and monthly deliveries of natural gas on behalf of others (volume) by state to three consumer sectors --residential, commercial, and industrial. Data from Form EIA-857 are also used to calculate the citygate price. See Appendix

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

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

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

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

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

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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 2017 was selected from a universe of 1,581 companies. These companies were respondents to the Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” for reporting year 2015, who reported sales or deliveries to consumers in the residential, commercial, or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

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

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

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

Estimation Procedures

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

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

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

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

or

(1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

R_{m_s} = the reported revenue from natural gas sales by marketers within the state in sector s (residential or commercial),

V_{m_s} = the reported volume of natural gas sales by a marketer within the state in sector s (residential or commercial),

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

$T_{.j}$ = the ratio estimator defined in equation 1,

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

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

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

N = frame size.

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

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

where:

P_j = natural gas price in sector j,

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

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

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

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

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

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

and,

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

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

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

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

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

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

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

Table C1. Standard error for natural gas deliveries and price by consumers, by state, November 2017

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	1.0	1.1	1.0	0.8	0.29	0.19	0.05
Alaska	0.3	4.9	0.0	1.9	0.02	0.35	0.00
Arizona	5.7	2.5	NA	NA	0.41	0.04	0.11
Arkansas	3.2	0.3	3.5	2.0	0.09	0.26	0.06
California	1.7	1.4	0.3	NA	0.16	0.27	NA
Colorado	1.1	0.5	0.5	0.6	0.02	0.03	0.06
Connecticut	0.6	0.3	0.4	0.3	0.17	0.05	0.01
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	1.2	1.4	1.5	1.0	0.22	0.33	0.52
Georgia	0.0	0.0	1.7	0.0	0.04	0.02	0.17
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.4	0.3	0.0	NA	0.02	0.01	NA
Illinois	0.4	1.6	2.9	0.9	0.04	0.17	0.12
Indiana	0.6	2.1	1.4	0.9	0.06	0.08	0.96
Iowa	1.4	1.2	1.6	1.1	0.09	0.06	0.19
Kansas	NA	1.9	4.0	NA	NA	0.10	0.24
Kentucky	1.1	1.5	0.9	0.7	0.17	0.19	0.12
Louisiana	1.4	0.9	1.2	1.1	0.11	0.08	0.10
Maine	9.6	6.2	0.1	2.1	0.60	0.41	0.19
Maryland	0.5	1.5	2.5	0.7	0.07	0.31	0.43
Massachusetts	0.8	1.2	2.5	0.7	0.33	0.41	0.29
Michigan	0.5	0.4	1.5	0.5	0.01	0.03	0.10
Minnesota	1.5	1.6	3.7	1.5	0.04	0.07	0.37
Mississippi	2.8	2.0	1.3	1.0	0.28	0.26	0.12
Missouri	0.5	0.2	1.4	0.5	0.06	0.09	0.22
Montana	0.7	0.6	NA	NA	0.06	0.12	0.05
Nebraska	4.7	2.9	NA	NA	0.13	0.11	0.22
Nevada	0.0	0.0	0.3	0.1	0.00	0.00	0.13
New Hampshire	0.0	0.0	2.8	0.8	0.00	0.00	0.00
New Jersey	0.0	0.0	NA	NA	0.00	0.00	0.00
New Mexico	4.2	0.3	NA	NA	NA	NA	1.39
New York	0.0	0.0	2.2	0.0	0.08	0.03	0.22
North Carolina	0.4	0.3	0.2	0.2	0.03	0.03	0.08
North Dakota	1.0	1.4	5.4	2.6	0.04	0.03	0.04
Ohio	0.0	0.0	1.0	0.0	0.14	0.03	0.94
Oklahoma	1.8	0.4	1.8	1.3	0.04	NA	0.77
Oregon	0.0	0.0	1.7	0.6	0.00	0.00	0.00
Pennsylvania	0.7	NA	1.0	NA	0.05	0.09	0.19
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	1.4	0.8	1.4	0.9	0.31	0.15	0.08
South Dakota	2.5	1.6	0.6	0.7	0.05	0.06	0.12
Tennessee	1.1	1.2	0.9	0.6	0.09	0.05	0.07
Texas	1.4	1.1	0.5	0.5	0.27	0.08	0.02
Utah	0.5	0.1	0.1	0.2	0.00	0.00	0.03
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	2.7	1.1	0.9	1.1	0.23	0.16	0.53
Washington	0.6	0.5	1.6	0.6	0.05	0.04	0.06
West Virginia	1.8	0.6	2.1	1.0	0.11	0.17	0.36
Wisconsin	0.6	0.4	0.5	0.3	0.02	0.01	0.02
Wyoming	0.5	0.7	2.5	1.6	0.03	0.01	0.03
Total	0.2	0.2	0.3	0.2	0.02	0.02	0.02

NA Not available.

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

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Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nominal Dollars: A measure used to express nominal price.

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

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

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

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

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

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

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

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

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

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

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

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