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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 August 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	£2,733	£2,345	149	£2,197	5	20	675	-5	2,891
February	£2,509	£2,153	£143	£2,010	5	-1	285	£21	2,320
March	£2,780	£2,384	161	£2,223	5	9	275	2	2,514
April	£2,684	£2,311	156	£2,155	5	-9	-230	-7	1,914
May	£2,772	£2,394	164	£2,229	3	-10	-341	5	1,887
June	£2,683	£2,343	160	£2,182	4	-14	-281	£-2	1,890
July	£2,752	£2,446	166	£2,280	5	2	-150	£-26	£2,110
August	£2,761	£2,441	162	£2,278	5	1	-195	-8	2,081
2017 8-Month YTD	£21,676	£18,816	1,262	£17,554	36	-1	38	-19	17,607
2016 8-Month YTD	21,872	19,145	1,221	17,923	38	546	199	-131	18,576
2015 8-Month YTD	21,849	19,152	1,136	18,016	39	693	-116	-114	18,518

^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.

^R Revised data.

^E Estimated data.

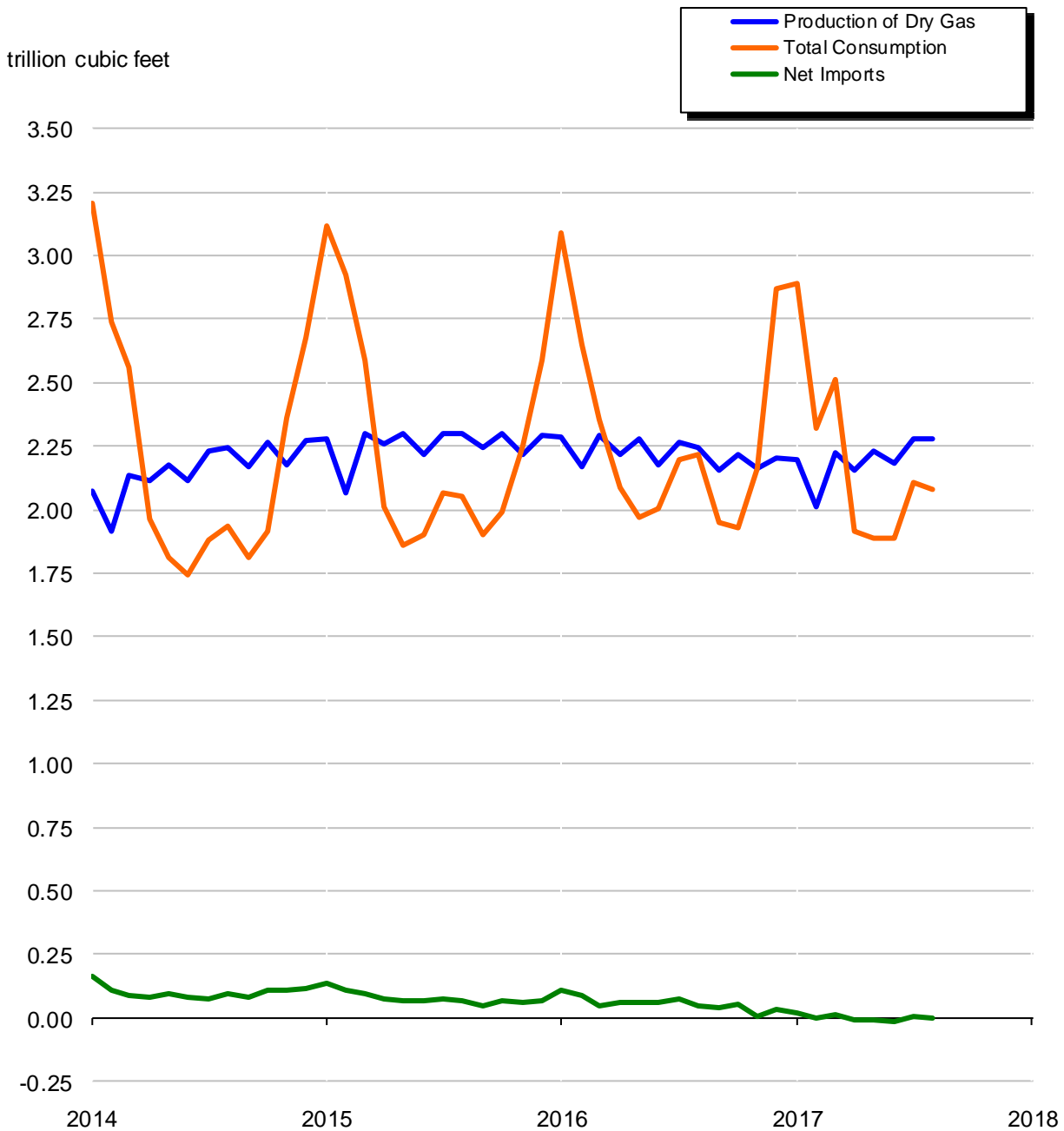
^{RE} Revised estimated data.

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	£73	832	481	731	639	£4	2,687	2,891	1,039
February	£120	£59	582	361	644	550	£3	2,141	2,320	1,038
March	£133	£64	582	373	691	667	£4	2,317	2,514	1,037
April	£129	£49	281	213	625	614	£4	1,737	1,914	1,036
May	£134	£48	201	179	625	697	£4	1,705	1,887	1,035
June	£131	£48	124	139	611	834	£4	£1,711	1,890	1,035
July	RE137	£54	108	134	£623	1,052	£4	£1,920	£2,110	1,035
August	£136	£53	105	140	635	1,008	£4	1,892	2,081	1,035
2017 8-Month YTD	£1,050	£447	2,813	2,022	5,185	6,061	£29	16,110	17,607	1,036
2016 8-Month YTD	1,069	472	2,874	2,030	5,110	6,995	27	17,036	18,576	1,036
2015 8-Month YTD	1,049	462	3,305	2,233	5,017	6,426	26	17,007	18,518	1,036

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

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

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

^R Revised data.

^E Estimated data.

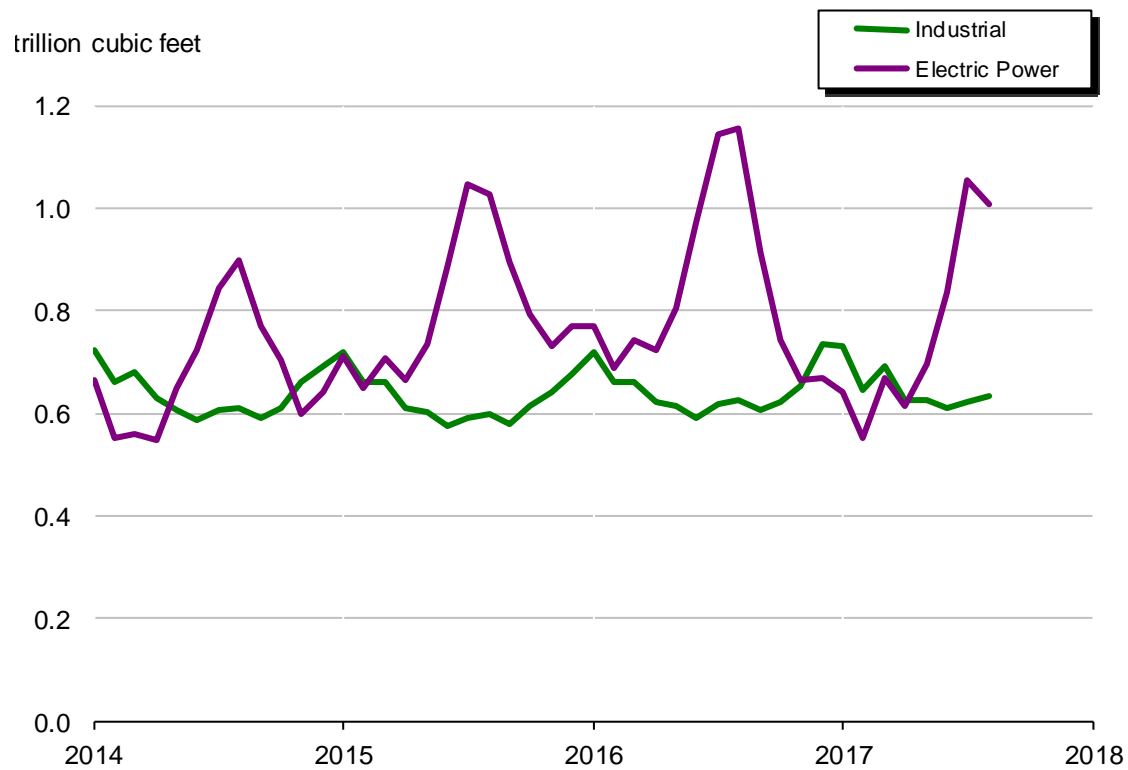
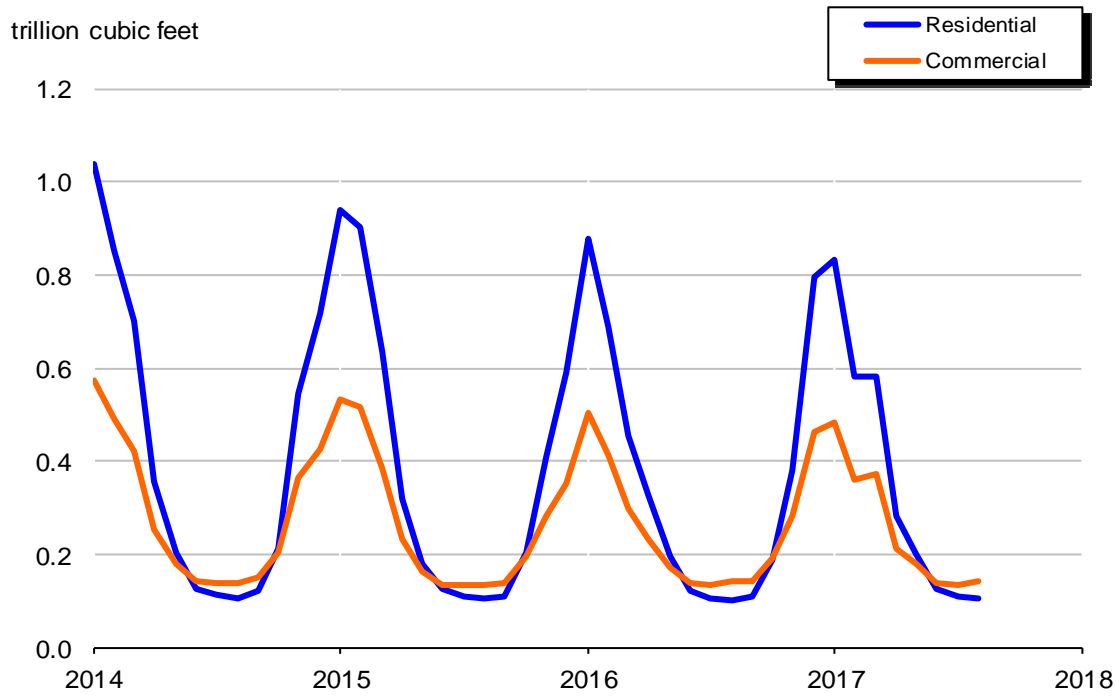
^{RE} Revised estimated data.

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. 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						
				Residential		Commercial		Industrial		Electric Power Price ^d
				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	6.77	3.30	4.21	9.38	96.0	7.59	70.5	4.91	15.0	4.32
February	7.25	2.85	4.13	10.06	95.9	7.90	69.1	4.62	15.0	3.74
March	5.91	2.88	3.83	9.90	95.7	7.68	67.9	4.03	14.9	3.52
April	6.25	3.10	4.17	^R 11.35	95.3	^R 8.08	65.1	^R 4.17	14.5	3.49
May	6.14	3.15	4.39	13.18	95.6	^R 8.30	^R 61.0	4.08	13.8	3.62
June	5.73	2.97	^R 4.78	15.96	94.5	8.76	^R 58.1	4.10	14.4	3.41
July	6.27	2.98	^R 4.67	17.75	95.8	8.90	56.9	3.96	14.5	3.32
August	7.01	2.90	4.55	18.09	95.7	8.73	55.6	3.83	14.2	3.27
2017 8-Month YTD	6.40	3.02	4.21	11.05	95.7	7.99	65.5	4.23	14.5	3.54
2016 8-Month YTD	4.64	2.26	3.54	9.75	95.8	7.13	65.3	3.30	14.8	2.81
2015 8-Month YTD	5.12	2.82	4.42	10.29	95.5	8.05	66.7	4.15	14.8	3.59

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

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

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

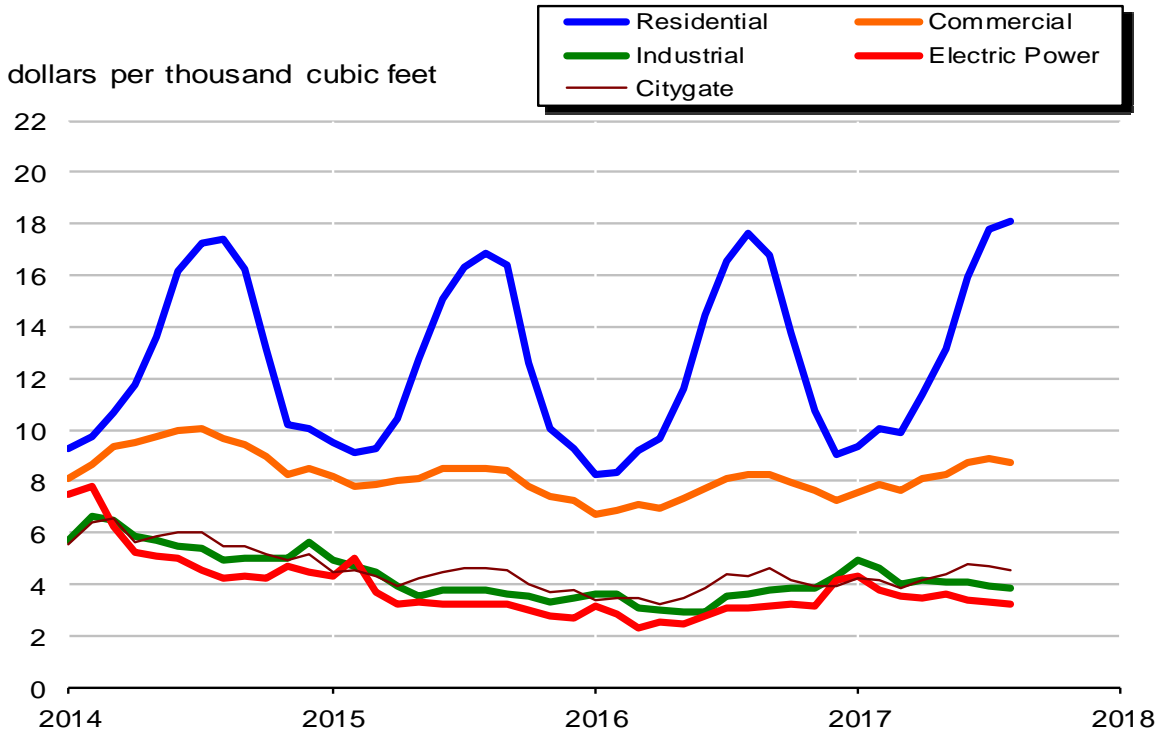
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 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.

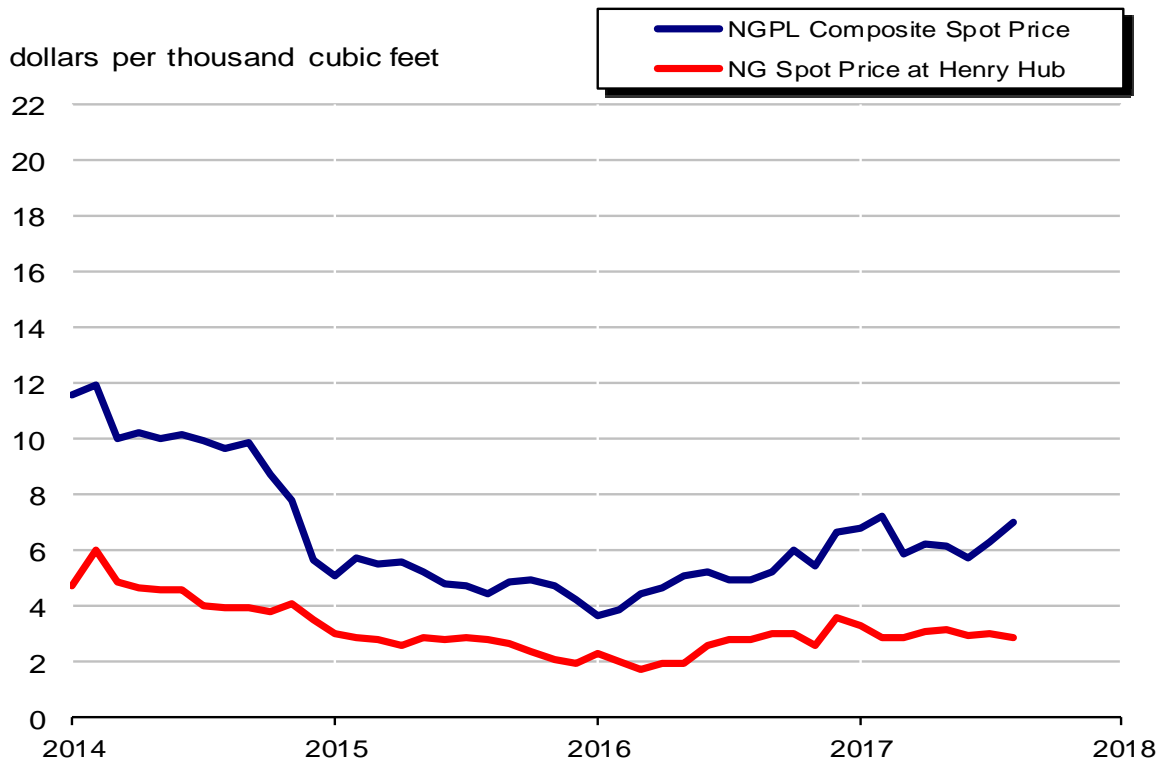
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2014-2017



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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	1,990,824	1,962,044	1,772,618	239,935	245,212	234,061	238,527	232,998
Mexico	617	605	630	63	80	78	78	79
Total Pipeline Imports	1,991,441	1,962,649	1,773,248	239,997	245,292	234,140	238,604	233,077
LNG								
By Truck								
Canada	1,093	738	245	226	215	212	220	186
By Vessel								
Nigeria	2,753	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	51,817	61,067	56,350	7,636	4,974	5,425	5,275	4,985
Yemen	0	0	7,441	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	55,663	61,805	64,035	7,862	5,189	5,637	5,494	5,171
CNG								
Canada	237	210	207	28	27	29	28	31
Total CNG Imports	237	210	207	28	27	29	28	31
Total Imports	2,047,341	2,024,664	1,837,490	247,888	250,508	239,805	244,126	238,279
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.64	1.93	3.10	2.24	2.31	2.51	2.59	2.53
Mexico	2.69	1.53	1.86	2.31	2.62	2.77	2.62	2.64
Total Pipeline Imports	2.64	1.93	3.10	2.24	2.31	2.51	2.59	2.53
LNG								
By Truck								
Canada	8.74	8.10	9.04	8.69	8.78	8.91	8.88	8.49
By Vessel								
Nigeria	5.82	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	4.37	3.94	7.25	3.19	3.21	3.37	3.65	3.56
Yemen	--	--	9.10	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	4.53	3.99	7.47	3.34	3.44	3.58	3.86	3.74
CNG								
Canada	3.40	2.11	4.80	0.97	1.19	1.64	1.86	1.76
Total CNG Imports	3.40	2.11	4.80	0.97	1.19	1.64	1.86	1.76
Total Imports	2.81	2.12	3.51	2.38	2.40	2.62	2.70	2.64
Net Imports - Volume	-1,271	546,423	692,561	889	2,080	-13,517	-9,737	-8,973

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			
	March	February	January	Total	December	November	October	September
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	275,573	245,928	278,590	2,916,856	271,845	221,866	225,588	235,512
Mexico	83	74	83	917	64	83	83	82
Total Pipeline Imports	275,656	246,002	278,673	2,917,774	271,910	221,949	225,671	235,594
LNG								
By Truck								
Canada	8	8	18	924	16	41	58	72
By Vessel								
Nigeria	0	0	2,753	0	0	0	0	0
Norway	0	0	0	3,253	0	3,253	0	0
Trinidad/Tobago	4,870	8,468	10,183	84,190	8,838	5,779	5,696	2,810
Yemen	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	4,878	8,477	12,955	88,367	8,854	9,073	5,753	2,882
CNG								
Canada	34	26	35	299	27	22	25	15
Total CNG Imports	34	26	35	299	27	22	25	15
Total Imports	280,567	254,504	291,663	3,006,439	280,791	231,044	231,449	238,491
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.57	2.81	3.41	2.18	3.31	2.41	2.50	2.42
Mexico	2.27	2.94	3.29	1.85	2.56	2.34	2.50	2.43
Total Pipeline Imports	2.57	2.81	3.41	2.18	3.31	2.41	2.50	2.42
LNG								
By Truck								
Canada	7.05	7.22	9.12	8.07	7.51	7.92	7.93	8.04
By Vessel								
Nigeria	--	--	5.82	--	--	--	--	--
Norway	--	--	--	3.12	--	3.12	--	--
Trinidad/Tobago	4.34	6.39	5.48	4.06	4.62	5.96	3.05	3.13
Yemen	--	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	4.35	6.39	5.56	4.07	4.63	4.95	3.10	3.25
CNG								
Canada	1.91	6.07	10.64	1.97	3.24	0.97	0.72	1.22
Total CNG Imports	1.91	6.07	10.64	1.97	3.24	0.97	0.72	1.22
Total Imports	2.68	3.14	3.75	2.24	3.50	2.70	2.59	2.47
Net Imports - Volume	8,724	-534	19,795	670,991	29,955	3,125	54,983	36,505

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
	August	July	June	May	April	March	February	January
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	253,793	259,132	234,145	243,017	236,451	232,095	241,948	261,462
Mexico	90	92	83	72	71	69	70	59
Total Pipeline Imports	253,883	259,224	234,229	243,088	236,522	232,164	242,019	261,521
LNG								
By Truck								
Canada	84	70	118	113	74	65	116	97
By Vessel								
Nigeria	0	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	7,998	5,703	7,520	5,087	4,693	8,503	9,612	11,951
Yemen	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	8,082	5,773	7,638	5,200	4,767	8,568	9,728	12,048
CNG								
Canada	17	25	19	29	28	33	29	30
Total CNG Imports	17	25	19	29	28	33	29	30
Total Imports	261,983	265,022	241,885	248,317	241,317	240,764	251,775	273,600
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.29	2.26	1.76	1.44	1.51	1.55	2.12	2.42
Mexico	2.27	2.45	1.41	1.10	1.03	0.82	1.22	1.50
Total Pipeline Imports	2.29	2.26	1.76	1.44	1.51	1.55	2.12	2.42
LNG								
By Truck								
Canada	8.11	7.95	7.80	7.72	7.88	8.74	8.58	8.21
By Vessel								
Nigeria	--	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	3.17	3.15	3.11	3.36	3.23	3.25	5.08	5.45
Yemen	--	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	3.23	3.21	3.18	3.45	3.30	3.29	5.12	5.48
CNG								
Canada	1.20	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total CNG Imports	1.20	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total Imports	2.42	2.35	1.90	1.55	1.61	1.73	2.43	2.80
Net Imports - Volume	47,757	76,339	58,872	60,043	63,464	45,849	89,019	105,079

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
	Total	December	November	October	September	August	July	June
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	2,625,359	221,550	210,632	217,493	203,066	202,567	209,698	203,583
Mexico	933	64	72	83	83	82	80	73
Total Pipeline Imports	2,626,291	221,613	210,704	217,576	203,150	202,649	209,779	203,656
LNG								
By Truck								
Canada	437	59	45	43	45	44	41	41
By Vessel								
Nigeria	0	0	0	0	0	0	0	0
Norway	12,194	3,105	3,097	5,992	0	0	0	0
Trinidad/Tobago	71,439	2,453	4,373	2,653	5,609	11,161	7,133	2,557
Yemen	7,441	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
Total LNG Imports	91,511	5,618	7,515	8,689	5,654	11,205	7,173	2,598
CNG								
Canada	291	26	23	21	15	21	21	19
Total CNG Imports	291	26	23	21	15	21	21	19
Total Imports	2,718,094	227,257	218,242	226,286	208,818	213,875	216,973	206,273
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.84	2.13	2.19	2.37	2.49	2.51	2.44	2.43
Mexico	1.71	1.22	1.08	1.55	1.65	1.84	1.83	1.88
Total Pipeline Imports	2.84	2.13	2.19	2.37	2.49	2.51	2.44	2.43
LNG								
By Truck								
Canada	8.69	8.12	8.21	8.40	8.36	8.76	8.43	9.03
By Vessel								
Nigeria	--	--	--	--	--	--	--	--
Norway	8.56	2.31	2.13	15.12	--	--	--	--
Trinidad/Tobago	6.98	6.08	5.63	6.25	6.02	3.43	4.51	6.24
Yemen	9.10	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--	--
Total LNG Imports	7.37	4.02	4.20	12.38	6.03	3.45	4.53	6.29
CNG								
Canada	4.18	3.78	3.02	1.99	1.14	0.52	0.45	0.79
Total CNG Imports	4.18	3.78	3.02	1.99	1.14	0.52	0.45	0.79
Total Imports	2.99	2.28	2.40	3.23	2.75	2.74	2.66	2.56
Net Imports - Volume	934,581	65,503	62,503	67,768	46,245	68,991	73,153	68,093

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				
	May	April	March	February	January
Imports					
Volume (million cubic feet)					
Pipeline					
Canada ^a	202,545	202,133	242,508	241,917	267,666
Mexico	78	76	77	79	85
Total Pipeline Imports	202,623	202,209	242,585	241,996	267,751
LNG					
By Truck					
Canada	34	39	46	0	0
By Vessel					
Nigeria	0	0	0	0	0
Norway	0	0	0	0	0
Trinidad/Tobago	1,673	2,844	11,770	9,830	9,382
Yemen	0	0	2,834	2,373	2,234
Other	0	0	0	0	0
Total LNG Imports	1,707	2,883	14,651	12,202	11,616
CNG					
Canada	19	28	38	32	30
Total CNG Imports	19	28	38	32	30
Total Imports	204,348	205,120	257,274	254,230	279,397
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	2.44	2.39	3.16	4.82	4.01
Mexico	1.58	1.64	1.93	1.93	2.24
Total Pipeline Imports	2.44	2.39	3.16	4.82	4.01
LNG					
By Truck					
Canada	8.95	9.50	9.51	--	--
By Vessel					
Nigeria	--	--	--	--	--
Norway	--	--	--	--	--
Trinidad/Tobago	5.98	8.29	8.26	9.06	10.90
Yemen	--	--	7.42	9.41	10.88
Other	--	--	--	--	--
Total LNG Imports	6.04	8.31	8.10	9.13	10.90
CNG					
Canada	0.88	2.02	8.55	9.12	8.91
Total CNG Imports	0.88	2.02	8.55	9.12	8.91
Total Imports	2.52	2.59	3.90	5.46	4.75
Net Imports - Volume	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.

-- 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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	623,497	494,401	463,658	66,342	59,760	66,725	63,949	80,532
Mexico	1,014,991	891,407	664,405	135,108	135,068	134,118	129,110	116,027
Total Pipeline Exports	1,638,488	1,385,807	1,128,063	201,450	194,828	200,844	193,058	196,559
LNG								
Exports								
By Vessel								
Argentina	16,276	16,661	0	0	0	2,949	3,192	10,135
Barbados	129	30	0	16	10	16	15	15
Brazil	7,317	9,196	0	0	3,642	0	3,676	0
Chile	18,708	26,465	0	0	3,256	3,657	0	5,894
China	24,462	3,132	0	0	7,218	0	3,514	0
Dominican Republic	2,934	2,945	0	0	0	0	0	0
Egypt	6,781	0	0	3,317	3,464	0	0	0
India	10,435	10,162	0	0	0	3,413	0	0
Italy	6,493	0	0	3,372	0	3,120	0	0
Japan	32,680	0	5,506	3,694	0	3,683	3,667	7,398
Jordan	25,814	3,566	0	7,393	0	0	3,453	0
Kuwait	20,213	3,610	0	0	3,410	0	3,281	6,784
Lithuania	3,431	0	0	3,431	0	0	0	0
Malta	867	0	0	0	0	0	0	0
Mexico	108,954	3,686	0	6,860	14,432	24,763	10,023	13,730
Netherlands	3,042	0	0	0	0	0	3,042	0
Pakistan	3,166	0	0	0	0	0	0	0
Poland	3,440	0	0	0	0	0	3,440	0
Portugal	15,821	3,700	0	3,399	3,662	0	3,625	0
South Korea	49,143	0	0	10,320	14,238	7,431	6,818	3,295
Spain	15,696	2,930	0	3,712	217	0	0	0
Taiwan	2,949	0	5,503	0	0	0	2,949	0
Thailand	3,113	0	0	0	0	0	0	0
Turkey	10,923	0	0	0	0	0	0	0
United Arab Emirates	13,408	3,391	0	0	0	0	10,062	3,347
United Kingdom	3,410	0	0	0	0	3,410	0	0
By Truck								
Canada	3	2	39	0	0	0	0	0
Mexico	382	208	123	33	44	19	26	70
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	0	0	0	0	0	0
India	0	547	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	409,990	92,275	16,704	45,548	53,592	52,462	60,782	50,669
CNG								
Canada	134	158	163	1	8	16	23	24
Total CNG Exports	134	158	163	1	8	16	23	24
Total Exports	2,048,612	1,478,241	1,144,929	246,999	248,428	253,322	253,864	247,251

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			
	March	February	January	Total	December	November	October	September
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	99,489	87,890	98,811	771,094	97,178	74,544	43,471	61,499
Mexico	128,774	115,089	121,696	1,377,305	111,815	120,378	129,984	123,722
Total Pipeline Exports	228,263	202,979	220,508	2,148,399	208,993	194,922	173,455	185,222
LNG								
Exports								
By Vessel								
Argentina	0	0	0	16,661	0	0	0	0
Barbados	20	15	22	100	22	18	15	14
Brazil	0	0	0	9,196	0	0	0	0
Chile	2,951	2,950	0	29,405	0	2,940	0	0
China	0	10,338	3,391	17,221	6,747	7,341	0	0
Dominican Republic	2,934	0	0	2,945	0	0	0	0
Egypt	0	0	0	3,606	3,606	0	0	0
India	0	3,399	3,623	16,915	0	3,115	0	3,639
Italy	0	0	0	3,328	0	3,328	0	0
Japan	0	3,705	10,533	11,137	11,137	0	0	0
Jordan	6,655	2,945	5,368	9,870	0	0	2,942	3,362
Kuwait	3,360	3,378	0	7,068	0	0	0	3,458
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	867	0	0	0	0	0
Mexico	10,728	14,407	14,010	27,470	7,169	13,300	0	3,315
Netherlands	0	0	0	0	0	0	0	0
Pakistan	3,166	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0	0
Portugal	0	1,692	3,442	3,700	0	0	0	0
South Korea	7,042	0	0	10,166	10,166	0	0	0
Spain	0	1,766	10,002	2,930	0	0	0	0
Taiwan	0	0	0	0	0	0	0	0
Thailand	3,113	0	0	0	0	0	0	0
Turkey	3,521	7,402	0	8,762	2,936	2,886	0	2,941
United Arab Emirates	0	0	0	3,391	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	3	0	0	2	0	0	1	0
Mexico	61	44	85	375	42	48	42	35
Re-Exports								
By Vessel								
Argentina	0	0	0	612	0	0	0	0
Brazil	0	0	0	1,433	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	547	0	0	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	43,553	52,042	51,342	186,841	41,825	32,976	3,000	16,764
CNG								
Canada	27	18	19	208	18	22	11	0
Total CNG Exports	27	18	19	208	18	22	11	0
Total Exports	271,843	255,038	271,868	2,335,448	250,836	227,919	176,466	201,986

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
	August	July	June	May	April	March	February	January
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	55,012	49,750	50,715	62,768	62,931	81,403	62,192	69,629
Mexico	132,446	123,173	115,836	115,606	104,857	103,413	97,234	98,841
Total Pipeline Exports	187,458	172,923	166,551	178,375	167,789	184,816	159,426	168,470
LNG								
Exports								
By Vessel								
Argentina	2,190	0	8,161	0	6,310	0	0	0
Barbados	11	8	2	1	3	2	2	0
Brazil	3,933	0	0	0	0	3,270	1,993	0
Chile	9,518	6,074	4,643	6,230	0	0	0	0
China	0	3,132	0	0	0	0	0	0
Dominican Republic	2,945	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0	0
India	3,701	0	3,617	0	0	2,844	0	0
Italy	0	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0	0
Jordan	0	3,566	0	0	0	0	0	0
Kuwait	0	0	0	3,610	0	0	0	0
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Mexico	3,686	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	3,700	0	0	0
South Korea	0	0	0	0	0	0	0	0
Spain	0	2,930	0	0	0	0	0	0
Taiwan	0	0	0	0	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	3,391	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	0	0	0	0	0	0	0	2
Mexico	30	28	22	33	23	24	24	25
Re-Exports								
By Vessel								
Argentina	612	0	0	0	0	0	0	0
Brazil	142	0	0	0	0	0	1,290	0
Egypt	0	0	0	0	0	0	0	0
India	0	0	0	0	0	547	0	0
Turkey	0	0	0	0	0	0	0	0
Total LNG Exports	26,768	15,739	16,445	9,874	10,036	10,078	3,309	26
CNG								
Canada	0	20	18	25	28	21	22	25
Total CNG Exports	0	20	18	25	28	21	22	25
Total Exports	214,226	188,682	183,013	188,274	177,853	194,915	162,757	168,521

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
	Total	December	November	October	September	August	July	June
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	700,647	58,603	61,260	57,430	59,695	40,986	39,995	44,658
Mexico	1,054,271	99,952	91,490	98,314	100,111	101,131	101,031	90,724
Total Pipeline Exports	1,754,918	158,555	152,750	155,744	159,806	142,117	141,027	135,382
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	8,262	0	0	2,755	0	2,753	2,753	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	8,257	0	0	0	2,755	0	0	2,754
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	41	0	1	0	2	0	5	6
Mexico	195	27	21	14	11	10	13	14
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	5,533	0	0	0	0	0	0	0
Egypt	2,947	0	2,947	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Turkey	3,145	3,145	0	0	0	0	0	0
Total LNG Exports	28,381	3,172	2,969	2,769	2,767	2,763	2,771	2,774
CNG								
Canada	214	27	20	4	0	5	23	23
Total CNG Exports	214	27	20	4	0	5	23	23
Total Exports	1,783,512	161,754	155,739	158,517	162,573	144,885	143,820	138,179

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				
	May	April	March	February	January
Exports					
Volume (million cubic feet)					
Pipeline					
Canada	44,672	53,086	89,639	77,594	73,028
Mexico	86,805	77,196	74,286	64,596	68,635
Total Pipeline Exports	131,477	130,283	163,925	142,190	141,663
LNG					
Exports					
By Vessel					
Argentina	0	0	0	0	0
Barbados	0	0	0	0	0
Brazil	0	0	0	0	0
Chile	0	0	0	0	0
China	0	0	0	0	0
Dominican Republic	0	0	0	0	0
Egypt	0	0	0	0	0
India	0	0	0	0	0
Italy	0	0	0	0	0
Japan	0	0	0	0	0
Jordan	0	0	0	0	0
Kuwait	0	0	0	0	0
Lithuania	0	0	0	0	0
Malta	0	0	0	0	0
Mexico	0	0	0	0	0
Netherlands	0	0	0	0	0
Pakistan	0	0	0	0	0
Poland	0	0	0	0	0
Portugal	0	0	0	0	0
South Korea	0	0	0	0	0
Spain	0	0	0	0	0
Taiwan	2,748	0	0	0	0
Thailand	0	0	0	0	0
Turkey	0	0	0	0	0
United Arab Emirates	0	0	0	0	0
United Kingdom	0	0	0	0	0
By Truck					
Canada	6	6	6	4	6
Mexico	15	18	17	16	21
Re-Exports					
By Vessel					
Argentina	0	0	0	0	0
Brazil	0	0	0	2,728	2,805
Egypt	0	0	0	0	0
India	0	0	0	0	0
Turkey	0	0	0	0	0
Total LNG Exports	2,769	24	23	2,748	2,832
CNG					
Canada	28	21	20	17	27
Total CNG Exports	28	21	20	17	27
Total Exports	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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.18	2.31	3.41	2.84	2.90	3.02	3.16	3.19
Mexico	3.24	2.38	3.00	3.27	3.22	3.13	3.20	3.27
Total Pipeline Exports	3.22	2.35	3.17	3.13	3.12	3.10	3.19	3.24
LNG								
Exports								
By Vessel								
Argentina	4.64	4.47	--	--	--	3.87	4.77	4.82
Barbados	10.40	10.38	--	10.40	10.40	10.40	10.40	10.40
Brazil	4.43	4.39	--	--	4.23	--	4.63	--
Chile	6.12	5.26	--	--	3.67	6.46	--	6.65
China	4.48	5.66	--	--	3.67	--	4.62	--
Dominican Republic	5.59	5.41	--	--	--	--	--	--
Egypt	4.93	--	--	3.55	6.26	--	--	--
India	4.48	4.64	--	--	--	4.67	--	--
Italy	3.95	--	--	3.55	--	4.38	--	--
Japan	6.78	--	7.99	6.14	--	6.99	6.88	6.92
Jordan	4.46	5.81	--	3.55	--	--	3.76	--
Kuwait	4.38	3.27	--	--	4.51	--	4.77	4.19
Lithuania	4.13	--	--	4.13	--	--	--	--
Malta	4.70	--	--	--	--	--	--	--
Mexico	5.03	4.23	--	3.55	4.17	4.40	4.67	4.31
Netherlands	6.35	--	--	--	--	--	6.35	--
Pakistan	3.14	--	--	--	--	--	--	--
Poland	4.26	--	--	--	--	--	4.26	--
Portugal	6.20	3.58	--	4.38	6.26	--	6.35	--
South Korea	4.05	--	--	3.59	3.67	3.87	4.88	6.39
Spain	5.73	4.92	--	3.55	6.26	--	--	--
Taiwan	4.43	--	7.65	--	--	--	4.43	--
Thailand	3.14	--	--	--	--	--	--	--
Turkey	6.17	--	--	--	--	--	--	--
United Arab Emirates	3.87	4.18	--	--	--	--	3.89	3.80
United Kingdom	3.87	--	--	--	--	3.87	--	--
By Truck								
Canada	8.39	7.41	12.56	--	--	--	--	--
Mexico	9.16	9.71	10.36	8.94	8.79	9.04	8.90	8.95
Re-Exports								
By Vessel								
Argentina	--	4.51	--	--	--	--	--	--
Brazil	--	3.64	15.20	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	--	3.99	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	4.97	4.74	10.29	3.88	4.26	4.61	4.80	5.16
CNG								
Canada	5.19	3.30	5.94	2.50	2.72	3.14	3.39	3.35
Total CNG Exports	5.19	3.30	5.94	2.50	2.72	3.14	3.39	3.35
Total Exports	3.57	2.50	3.28	3.27	3.37	3.41	3.57	3.63

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		
	March	February	January	Total	December	November	October	September
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.01	3.21	3.85	2.60	3.82	2.71	2.72	2.83
Mexico	2.93	3.24	3.66	2.64	3.51	2.75	3.16	3.06
Total Pipeline Exports	2.97	3.23	3.74	2.63	3.65	2.74	3.05	2.99
LNG								
Exports								
By Vessel								
Argentina	--	--	--	4.47	--	--	--	--
Barbados	10.40	10.40	10.40	10.12	10.00	10.00	10.00	10.00
Brazil	--	--	--	4.39	--	--	--	--
Chile	6.26	7.18	--	5.30	--	5.64	--	--
China	--	4.92	4.70	4.16	4.50	3.21	--	--
Dominican Republic	5.59	--	--	5.41	--	--	--	--
Egypt	--	--	--	6.46	6.46	--	--	--
India	--	4.06	4.70	4.92	--	5.74	--	5.00
Italy	--	--	--	6.32	--	6.32	--	--
Japan	--	7.18	6.65	3.76	3.76	--	--	--
Jordan	4.42	4.06	6.41	5.11	--	--	3.52	5.74
Kuwait	3.14	5.50	--	4.40	--	--	--	5.58
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	4.70	--	--	--	--	--
Mexico	5.25	6.40	7.15	4.56	4.14	4.64	--	5.53
Netherlands	--	--	--	--	--	--	--	--
Pakistan	3.14	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	--	7.18	7.29	3.58	--	--	--	--
South Korea	3.81	--	--	5.75	5.75	--	--	--
Spain	--	7.18	6.28	4.92	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--
Thailand	3.14	--	--	--	--	--	--	--
Turkey	4.60	6.91	--	3.53	3.87	3.30	--	3.41
United Arab Emirates	--	--	--	4.18	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	8.39	--	--	7.50	--	--	7.70	--
Mexico	8.64	9.97	9.66	9.81	10.20	9.72	10.06	9.78
Re-Exports								
By Vessel								
Argentina	--	--	--	4.51	--	--	--	--
Brazil	--	--	--	3.64	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	3.99	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	4.47	5.99	6.44	4.71	4.68	4.58	3.65	5.11
CNG								
Canada	3.32	7.73	12.97	3.30	4.72	2.55	2.53	--
Total CNG Exports	3.32	7.73	12.97	3.30	4.72	2.55	2.53	--
Total Exports	3.21	3.79	4.25	2.79	3.82	3.00	3.06	3.16

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							
	August	July	June	May	April	March	February	January
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.65	2.73	2.23	1.98	2.07	1.99	2.34	2.66
Mexico	2.92	2.80	2.46	2.06	2.03	1.88	2.20	2.45
Total Pipeline Exports	2.84	2.78	2.39	2.03	2.04	1.93	2.26	2.54
LNG								
Exports								
By Vessel								
Argentina	4.51	--	4.71	--	4.16	--	--	--
Barbados	10.00	10.00	10.00	10.00	10.00	15.19	10.00	--
Brazil	5.29	--	--	--	--	3.83	3.54	--
Chile	5.53	5.82	4.69	4.72	--	--	--	--
China	--	5.66	--	--	--	--	--	--
Dominican Republic	5.41	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--	--
India	5.01	--	4.77	--	--	3.98	--	--
Italy	--	--	--	--	--	--	--	--
Japan	--	--	--	--	--	--	--	--
Jordan	--	5.81	--	--	--	--	--	--
Kuwait	--	--	--	3.27	--	--	--	--
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--
Mexico	4.23	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	3.58	--	--	--
South Korea	--	--	--	--	--	--	--	--
Spain	--	4.92	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	4.18	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	--	--	--	--	--	--	--	7.41
Mexico	9.72	9.76	9.43	9.67	8.99	8.96	10.16	10.96
Re-Exports								
By Vessel								
Argentina	4.51	--	--	--	--	--	--	--
Brazil	4.57	--	--	--	--	--	3.54	--
Egypt	--	--	--	--	--	--	--	--
India	--	--	--	--	--	3.98	--	--
Turkey	--	--	--	--	--	--	--	--
Total LNG Exports	5.13	5.63	4.72	4.21	3.96	4.01	3.59	10.74
CNG								
Canada	--	3.88	2.80	3.22	2.58	3.05	2.42	5.09
Total CNG Exports	--	3.88	2.80	3.22	2.58	3.05	2.42	5.09
Total Exports	3.13	3.02	2.60	2.15	2.15	2.04	2.28	2.54

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	
	Total	December	November	October	September	August	July	June	
Exports									
Average Price (dollars per thousand cubic feet)									
Pipeline									
Canada	3.15	2.30	2.50	2.76	2.97	2.97	2.84	2.85	
Mexico	2.81	2.30	2.26	2.61	2.77	3.00	3.01	2.94	
Total Pipeline Exports	2.95	2.30	2.36	2.66	2.84	2.99	2.96	2.91	
LNG									
Exports									
By Vessel									
Argentina	--	--	--	--	--	--	--	--	
Barbados	--	--	--	--	--	--	--	--	
Brazil	--	--	--	--	--	--	--	--	
Chile	--	--	--	--	--	--	--	--	
China	--	--	--	--	--	--	--	--	
Dominican Republic	--	--	--	--	--	--	--	--	
Egypt	--	--	--	--	--	--	--	--	
India	--	--	--	--	--	--	--	--	
Italy	--	--	--	--	--	--	--	--	
Japan	7.50	--	--	6.51	--	7.90	8.08	--	
Jordan	--	--	--	--	--	--	--	--	
Kuwait	--	--	--	--	--	--	--	--	
Lithuania	--	--	--	--	--	--	--	--	
Malta	--	--	--	--	--	--	--	--	
Mexico	--	--	--	--	--	--	--	--	
Netherlands	--	--	--	--	--	--	--	--	
Pakistan	--	--	--	--	--	--	--	--	
Poland	--	--	--	--	--	--	--	--	
Portugal	--	--	--	--	--	--	--	--	
South Korea	--	--	--	--	--	--	--	--	
Spain	--	--	--	--	--	--	--	--	
Taiwan	7.49	--	--	--	7.16	--	--	7.80	
Thailand	--	--	--	--	--	--	--	--	
Turkey	--	--	--	--	--	--	--	--	
United Arab Emirates	--	--	--	--	--	--	--	--	
United Kingdom	--	--	--	--	--	--	--	--	
By Truck									
Canada	12.36	--	6.81	--	10.18	--	13.39	12.01	
Mexico	10.44	10.90	10.59	10.48	9.81	9.94	9.96	10.01	
Re-Exports									
By Vessel									
Argentina	--	--	--	--	--	--	--	--	
Brazil	15.20	--	--	--	--	--	--	--	
Egypt	16.71	--	16.71	--	--	--	--	--	
India	--	--	--	--	--	--	--	--	
Turkey	15.99	15.99	--	--	--	--	--	--	
Total LNG Exports	10.92	15.95	16.67	6.53	7.17	7.91	8.10	7.82	
CNG									
Canada	5.73	5.46	4.80	3.42	--	2.08	2.91	2.44	
Total CNG Exports	5.73	5.46	4.80	3.42	--	2.08	2.91	2.44	
Total Exports	3.07	2.57	2.63	2.73	2.92	3.09	3.06	3.01	

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				
	May	April	March	February	January
Exports					
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	2.85	2.91	3.71	4.39	3.63
Mexico	2.86	2.77	3.03	3.10	3.38
Total Pipeline Exports	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	--	--	--	--	--
Jordan	--	--	--	--	--
Kuwait	--	--	--	--	--
Lithuania	--	--	--	--	--
Malta	--	--	--	--	--
Mexico	--	--	--	--	--
Netherlands	--	--	--	--	--
Pakistan	--	--	--	--	--
Poland	--	--	--	--	--
Portugal	--	--	--	--	--
South Korea	--	--	--	--	--
Spain	--	--	--	--	--
Taiwan	7.50	--	--	--	--
Thailand	--	--	--	--	--
Turkey	--	--	--	--	--
United Arab Emirates	--	--	--	--	--
United Kingdom	--	--	--	--	--
By Truck					
Canada	12.14	11.88	12.77	12.77	13.27
Mexico	9.96	10.03	10.52	10.62	11.27
Re-Exports					
By Vessel					
Argentina	--	--	--	--	--
Brazil	--	--	--	12.89	17.44
Egypt	--	--	--	--	--
India	--	--	--	--	--
Turkey	--	--	--	--	--
Total LNG Exports	7.53	10.53	11.10	12.87	17.39
CNG					
Canada	2.37	3.35	10.08	10.53	11.89
Total CNG Exports	2.37	3.35	10.08	10.53	11.89
Total Exports	2.95	2.83	3.41	3.98	3.78

-- 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	€65,622	€17,262	€143,020	€19,255	€152,924	€4,050	€105,047	€48,508	€132,523
February	275,044	€59,704	€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	RE58,505	RE16,855	RE134,382	€18,353	RE170,555	RE3,983	RE108,686	RE55,694	RE139,251
July	205,716	RE62,210	RE17,425	RE140,698	RE18,889	RE180,618	RE4,103	RE112,159	RE58,638	RE156,174
August	221,588	€58,471	€17,488	€143,612	€18,613	€183,986	€4,112	€112,565	€60,115	€159,927
2017 8-Month YTD	2,134,421	€487,499	€135,160	€1,109,185	€148,638	€1,320,118	€32,108	€865,488	€438,271	€1,107,051
2016 8-Month YTD	2,106,272	567,613	138,786	1,130,212	164,627	1,179,627	35,202	851,548	406,483	941,542
2015 8-Month YTD	2,040,889	687,025	163,285	1,119,319	195,120	1,212,844	39,234	861,794	382,944	606,894

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	2,790,552
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	E193,927	E461,677	E642,478	E27,708	E123,989	E141,236	E46,615	E105,934	E2,733,281
February	E179,163	E419,527	E593,768	E25,035	E112,378	E130,019	E41,766	E93,871	E2,509,192
March	E207,995	E459,647	E648,931	E27,670	E126,645	E144,709	E45,844	E105,746	E2,780,292
April	E203,362	E447,620	E632,883	E26,517	E121,705	E141,143	E43,986	E93,758	E2,684,332
May	E207,889	E457,732	E665,833	E27,345	E131,952	E141,295	E45,363	E99,129	E2,772,441
June	RE203,690	RE443,171	RE650,017	RE26,136	RE130,111	RE141,289	E43,193	RE90,776	RE2,683,466
July	RE213,224	RE456,522	RE679,451	RE26,211	RE136,091	RE144,193	RE42,375	RE97,512	RE2,752,209
August	E217,629	E449,659	E664,916	E26,124	E141,699	E144,889	E42,871	E92,371	E2,760,634
2017 8-Month YTD	E1,626,879	E3,595,554	E5,178,278	E212,747	E1,024,567	E1,128,773	E352,012	E779,098	E21,675,848
2016 8-Month YTD	1,669,096	3,561,129	5,532,958	250,774	903,146	1,229,274	385,283	818,705	21,872,276
2015 8-Month YTD	1,676,738	3,164,499	5,906,358	290,900	891,258	1,333,883	409,338	866,469	21,848,791

^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	€65,622	€17,262	€143,020	€19,255	€152,236	€4,050	€100,436	€40,456	€132,523
February	28,145	€59,704	€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	RE58,505	RE16,855	RE134,382	€18,353	RE169,788	RE3,983	RE103,915	RE46,449	RE139,251
July	24,025	RE62,210	RE17,425	RE140,698	RE18,889	RE179,805	RE4,103	RE107,235	RE48,904	RE156,174
August	24,427	€58,471	€17,488	€143,612	€18,613	€183,158	€4,112	€107,623	€50,136	€159,927
2017 8-Month YTD	227,244	€487,499	€135,160	€1,109,185	€148,638	€1,314,178	€32,108	€827,493	€365,518	€1,107,051
2016 8-Month YTD	217,189	567,613	138,786	1,130,212	164,627	1,173,684	32,151	826,078	357,527	941,542
2015 8-Month YTD	226,212	687,025	163,285	1,119,319	195,120	1,207,551	34,218	825,527	303,766	606,894

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	E104,398	E2,345,441
February	E179,163	E419,527	E512,125	E25,035	E112,378	E117,940	E40,864	E92,510	E2,153,412
March	E207,995	E459,647	E559,703	E27,670	E126,645	E131,265	E44,854	E104,213	E2,383,797
April	E203,362	E447,620	E545,862	E26,517	E121,705	E128,031	E43,036	E92,399	E2,310,671
May	E207,889	E457,732	E574,281	E27,345	E131,952	E128,168	E44,383	E97,691	E2,393,795
June	RE203,690	RE443,171	RE560,639	RE26,136	RE130,111	RE128,163	E42,260	RE89,460	RE2,342,619
July	RE213,224	RE456,522	RE586,027	RE26,211	RE136,091	RE130,798	RE41,460	RE96,098	RE2,445,898
August	E217,629	E449,659	E573,490	E26,124	E141,699	E131,429	E41,945	E91,031	E2,440,573
2017 8-Month YTD	E1,626,879	E3,595,554	E4,466,264	E212,747	E1,024,567	E1,023,910	E344,409	E767,801	E18,816,206
2016 8-Month YTD	1,669,096	3,561,129	4,912,593	250,774	903,146	1,112,560	376,666	809,238	19,144,611
2015 8-Month YTD	1,676,738	3,164,499	5,298,965	290,900	891,258	1,209,256	396,574	855,206	19,152,314

^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 ^c	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	4,357	3,250	7,607	-191	-5.6	355	160	-195

^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.

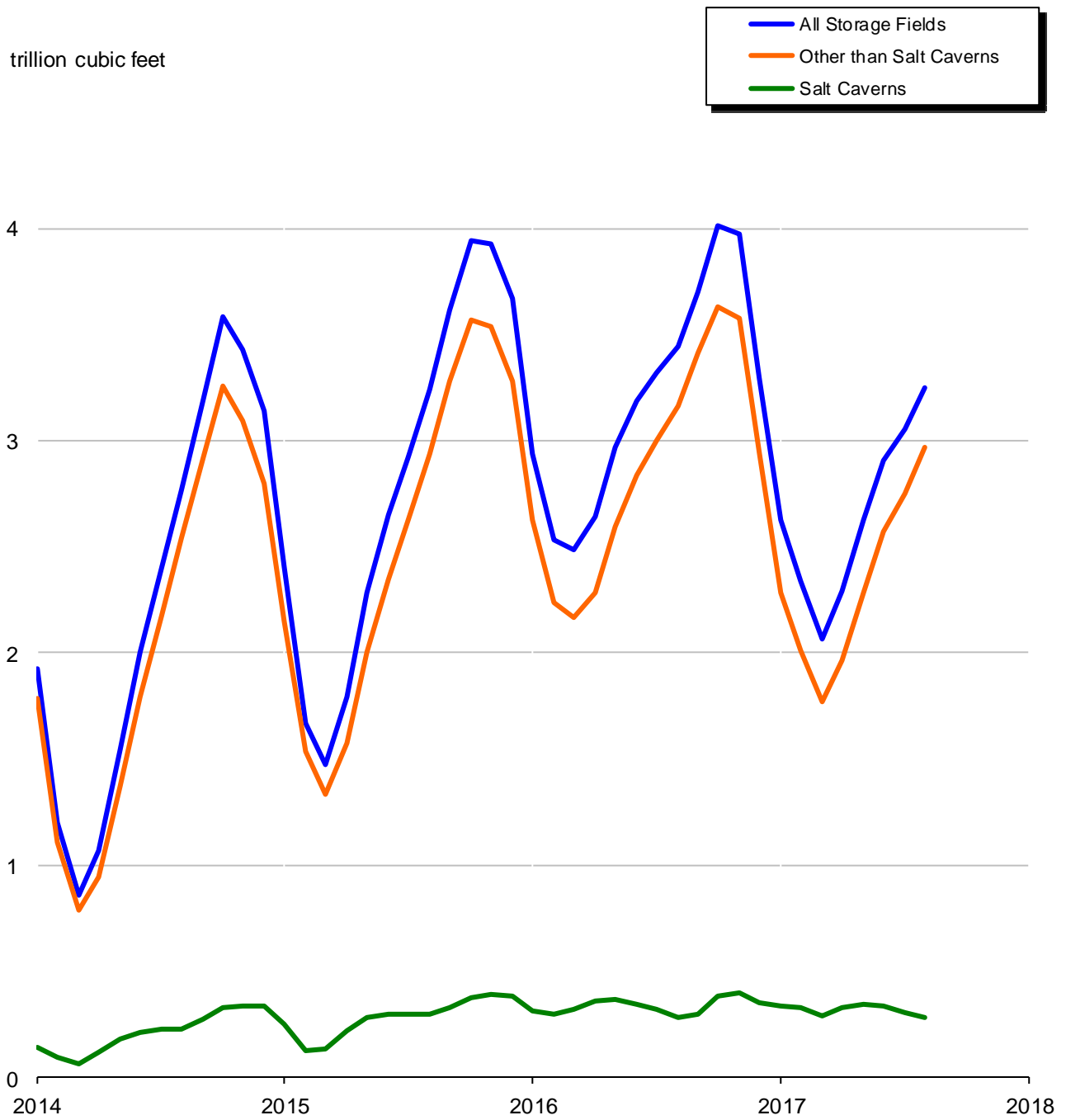
-- Not applicable.

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, 2015-2017

(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
2015 Refill Season								
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
Total	--	--	--	--	--	2,985	510	-2,475
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	4,357	3,250	7,607	-191	-5.6	355	160	-195

^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
2017 8-Month YTD	--	--	--	--	--	395	462	67
2016 8-Month YTD	--	--	--	--	--	340	441	101
2015 8-Month YTD	--	--	--	--	--	390	419	29

^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	-285
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
2017 8-Month YTD	--	--	--	--	--	1,821	1,792	-29
2016 8-Month YTD	--	--	--	--	--	1,634	1,742	107
2015 8-Month YTD	--	--	--	--	--	2,073	1,931	-142

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

^b Total as of December 31.

-- Not applicable.

Notes: Data for 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						
	August	July	June	May	April	March	February
Alabama	3,628	3,386	498	169	-1,292	1,420	-1,005
Alaska ^a	-2,476	-2,424	-2,108	-1,525	-1,076	1,572	1,409
Arkansas	-574	-647	-581	-595	-272	772	66
California	1,131	-6,825	-13,932	-23,443	-16,166	-17,257	4,304
Colorado	-2,922	-5,245	-5,660	-4,519	-1,374	1,199	4,859
Illinois	-34,888	-25,184	-32,389	-17,012	4,438	35,264	42,917
Indiana	-2,191	-2,486	-2,960	-1,664	-501	2,040	3,067
Iowa	-11,805	-1,696	-1,917	-1,579	1,288	5,165	8,052
Kansas	656	-2,088	-4,611	-14,016	-10,252	5,246	2,192
Kentucky	-1,317	5,583	1,693	-8,818	-12,511	5,772	7,787
Louisiana	3,696	1,007	-5,268	-19,430	-21,998	23,900	11,892
Maryland	-2,626	-2,873	-2,241	-3,128	-280	3,170	2,048
Michigan	-54,494	-38,760	-57,334	-55,198	-39,909	63,573	47,176
Minnesota	-244	-220	-190	-63	36	342	450
Mississippi	4,919	14,904	-476	-3,259	-8,395	6,585	1,802
Missouri	*	0	*	0	*	100	-20
Montana	-2,393	-3,558	-4,182	-4,160	-2,002	1,137	4,042
Nebraska	-564	-935	182	-1,017	-979	-287	1,408
New Mexico	2,883	1,623	68	-1,257	-1,704	-2,779	1,321
New York	-15,700	-8,367	-12,765	-7,272	-5,894	17,047	12,369
Ohio	-24,349	-26,059	-26,200	-18,721	-5,818	27,859	22,619
Oklahoma	1,974	1,039	-10,437	-13,581	-4,742	-5,893	3,193
Oregon	-702	-545	-1,472	-3,170	-336	-2,364	606
Pennsylvania	-47,206	-37,135	-46,732	-51,111	-33,170	70,898	54,306
Tennessee	11	8	-41	-32	-29	-5	14
Texas	19,068	18,244	-15,267	-37,200	-30,805	1,147	6,329
Utah	-1,449	-3,718	-5,162	-7,294	-2,628	-518	5,334
Virginia	-317	349	45	-513	-310	689	685
Washington	-2,225	329	-2,739	-5,577	-2,596	1,556	4,022
West Virginia	-24,959	-26,009	-26,523	-33,844	-30,240	27,775	29,958
Wyoming	172	-1,694	-2,290	-1,936	-632	234	1,737
Regions							
East Region	-115,156	-100,093	-114,416	-114,589	-75,713	147,438	121,986
South Central Region	33,367	35,847	-36,143	-87,911	-77,757	33,177	24,469
Midwest Region	-104,928	-62,755	-93,139	-84,366	-47,188	112,250	109,443
Mountain Region	-4,273	-13,527	-17,044	-20,183	-9,318	-1,014	18,701
Pacific Region	-1,795	-7,040	-18,142	-32,191	-19,098	-18,066	8,931
Total Lower 48 States	-192,785	-147,568	-278,884	-339,239	-229,075	273,786	283,530
U.S. Total	-195,261	-149,992	-280,991	-340,764	R-230,151	275,358	284,938

See footnotes at end of table.

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

(million cubic feet) – continued

State	2017						2016
	January	Total	December	November	October	September	August
Alabama	-254	1,019	3,462	-2,161	-5,368	-597	2,250
Alaska ^a	2,213	-8,322	1,789	872	139	-1,321	-1,997
Arkansas	418	-1,666	739	-86	-152	-318	-564
California	50,405	39,603	43,736	1,937	-8,590	-3,383	4,248
Colorado	10,983	-4,606	11,693	-1,452	-7,324	-5,111	-3,745
Illinois	59,371	5,282	53,639	623	-37,807	-41,363	-33,535
Indiana	5,972	3,478	4,712	-1,533	-2,257	-2,199	-1,850
Iowa	15,571	6,414	22,217	5,150	-18,715	-18,041	-14,078
Kansas	18,823	8,377	21,467	876	-5,573	-8,157	-2,098
Kentucky	16,622	9,205	16,756	51	-4,545	-4,548	-128
Louisiana	22,369	39,572	42,587	-3,970	-51,370	-11,031	18,506
Maryland	3,915	2,916	2,604	893	133	-150	-1,397
Michigan	108,702	57,601	108,495	17,034	-27,683	-54,745	-36,754
Minnesota	321	38	44	14	-104	-197	-228
Mississippi	10,041	26,635	24,501	1,560	-24,918	-3,355	2,651
Missouri	163	-156	365	-210	-405	-290	*
Montana	7,075	-7,364	8,305	2,401	-782	-2,191	-3,465
Nebraska	2,844	785	2,171	721	-1,221	-1,132	-90
New Mexico	4,466	669	4,345	-1,195	-1,530	75	167
New York	20,857	19,233	20,132	4,697	-7,006	-12,209	-3,017
Ohio	36,350	17,390	41,276	14,460	-10,323	-22,602	-23,658
Oklahoma	35,389	11,957	30,817	-5,705	-11,783	-2,082	1,055
Oregon	4,500	1,381	5,032	406	-1,086	-266	-16
Pennsylvania	82,560	68,344	70,114	10,492	-16,859	-43,300	-18,752
Tennessee	31	-66	71	-14	-34	2	2
Texas	78,122	38,656	65,863	-17,919	-50,646	112	21,348
Utah	11,889	-1,208	12,286	-466	-1,542	-3,455	-2,871
Virginia	180	189	212	-211	-163	-185	-504
Washington	6,908	-2,216	3,465	448	-109	-3,266	-2,091
West Virginia	49,893	22,407	44,092	10,686	-7,057	-15,425	-22,388
Wyoming	8,000	-7,349	8,555	-3,105	-3,717	-1,656	-769
Regions							
East Region	193,754	130,479	178,429	41,017	-41,275	-93,871	-69,715
South Central Region	164,908	124,549	189,436	-27,405	-149,809	-25,428	43,149
Midwest Region	206,754	81,797	206,299	21,114	-91,550	-121,381	-86,571
Mountain Region	45,258	-19,074	47,355	-3,096	-16,117	-13,469	-10,773
Pacific Region	61,813	38,769	52,233	2,790	-9,785	-6,916	2,142
Total Lower 48 States	672,486	356,520	673,752	34,420	-308,536	-261,066	-121,769
U.S. Total	674,699	348,198	675,541	35,292	-308,397	-262,387	-123,765

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	3,115	1,486	-1,536	-3,383	-323	-713	4,787
Alaska ^a	-1,976	-1,468	-1,957	-1,441	-451	-459	-50
Arkansas	-517	-724	-801	-444	438	328	434
California	769	-7,766	-16,700	-17,261	-4,805	7,203	40,217
Colorado	-4,892	-5,512	-5,498	1,334	3,688	2,412	9,800
Illinois	-28,440	-32,072	-26,284	4,551	26,092	50,274	69,604
Indiana	-1,850	-2,226	-2,905	527	1,694	5,259	6,106
Iowa	-1,925	-2,856	-2,349	2,150	4,762	10,674	19,427
Kansas	-7,378	-4,701	-13,272	-7,171	-4,070	11,913	26,541
Kentucky	-2,707	-2,776	-8,262	-16,117	2,150	9,656	19,675
Louisiana	16,049	-2,585	-11,540	-20,296	-14,011	21,175	56,058
Maryland	-1,133	-3,022	-1,671	716	-342	2,294	3,991
Michigan	-35,799	-52,688	-65,480	-13,874	30,025	80,654	108,415
Minnesota	-205	-174	-76	7	515	127	315
Mississippi	7,130	1,758	-7,184	-6,394	-12,187	6,944	36,129
Missouri	0	0	0	0	119	-168	433
Montana	-3,260	-4,908	-5,202	-3,943	-770	2,057	4,394
Nebraska	-151	-16	-1,099	-630	-103	549	1,788
New Mexico	659	-391	-1,615	-1,170	-1,658	1,413	1,568
New York	-3,467	-6,284	-11,257	-1,560	2,483	14,571	22,150
Ohio	-25,774	-26,258	-21,537	-5,040	17,603	32,160	47,082
Oklahoma	-3,398	-3,069	-15,348	-9,402	-5,923	10,070	26,725
Oregon	-887	-511	-2,228	-1,027	-362	481	1,845
Pennsylvania	-21,094	-36,463	-32,012	-5,601	11,919	62,426	87,473
Tennessee	3	-38	-27	-17	-32	-6	25
Texas	18,530	7,624	-29,546	-38,115	-19,445	24,128	56,721
Utah	-2,671	-4,887	-7,374	-814	-1,928	3,685	8,830
Virginia	73	-46	-242	-508	135	17	1,612
Washington	-788	-1,834	-4,392	-2,918	1,935	5,854	1,480
West Virginia	-29,308	-25,938	-27,301	-14,249	11,571	35,666	62,059
Wyoming	-1,773	-3,980	-3,858	-2,386	-139	2,448	3,031
Regions							
East Region	-80,704	-98,011	-94,019	-26,242	43,370	147,134	224,367
South Central Region	33,529	-212	-79,227	-85,205	-55,521	73,846	207,396
Midwest Region	-70,923	-92,831	-105,382	-22,774	65,327	156,470	224,000
Mountain Region	-12,088	-19,694	-24,646	-7,610	-910	12,562	29,411
Pacific Region	-906	-10,112	-23,319	-21,206	-3,232	13,538	43,542
Total Lower 48 States	-131,091	-220,859	-326,593	-163,038	49,034	403,550	728,716
U.S. Total	-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
Alabama	-3,817	-249	-1,217	-415	-2,416	1,057	-971
Alaska ^a	782	140	197	-52	92	-108	-171
Arkansas	-1,046	-127	-283	-212	-141	-403	-437
California	-2,698	44,087	5,699	-18,709	-6,577	1,758	-8,522
Colorado	-5,930	9,420	1,802	-4,141	-5,250	-5,181	-5,048
Illinois	-10,603	45,715	-1,164	-36,756	-37,238	-34,172	-32,685
Indiana	-4,411	1,569	-1,236	-2,047	-3,878	-3,494	-2,687
Iowa	-4,955	16,556	4,637	-14,124	-16,136	-13,614	-2,563
Kansas	-11,154	11,377	7,836	-5,912	-14,045	-9,249	-16,737
Kentucky	-17,554	7,953	-1,730	-9,465	-7,783	-6,294	-5,729
Louisiana	-88,237	8,860	-15,244	-40,257	-33,722	-20,717	-17,892
Maryland	-1,304	517	490	-262	-372	-2,786	-2,440
Michigan	-87,722	30,889	3,499	-60,050	-75,170	-81,284	-74,938
Minnesota	-78	10	-149	-262	-219	-202	-176
Mississippi	-28,109	-723	-4,892	-14,206	-16,234	-4,313	-2,736
Missouri	-586	28	-212	-268	-581	0	0
Montana	-3,197	3,620	2,456	-1,050	-2,101	-3,445	-3,385
Nebraska	-786	979	212	-1,193	-1,296	-965	-77
New Mexico	-19,897	-616	-2,132	-2,258	-1,275	-1,429	-1,726
New York	-15,923	2,020	7	-6,129	-8,376	-8,289	-9,553
Ohio	-33,025	19,441	7,717	-11,308	-22,886	-27,651	-25,160
Oklahoma	-32,397	8,250	3,951	-13,483	-8,189	-6,183	-8,740
Oregon	474	2,338	1,139	-1,330	-1,482	-685	2
Pennsylvania	-41,111	11,466	-6,135	-31,589	-38,785	-35,179	-24,593
Tennessee	-453	-54	-102	-93	-64	-59	-60
Texas	-91,530	6,424	-2,086	-41,913	-35,276	-6,397	-1,462
Utah	-8,073	6,185	3,131	-1,402	-4,323	-3,183	-5,792
Virginia	-468	48	-270	-545	-623	-508	-87
Washington	4,545	2,710	3,788	-792	-2,976	-4,747	278
West Virginia	-28,151	23,857	2,855	-9,191	-22,829	-30,326	-28,865
Wyoming	-1,237	1,646	-255	-1,419	-1,866	-1,115	-1,186
Regions							
East Region	-119,981	57,349	4,664	-59,024	-93,873	-104,740	-90,699
South Central Region	-256,290	33,813	-11,936	-116,399	-110,024	-46,205	-48,975
Midwest Region	-126,362	102,665	3,543	-123,064	-141,069	-139,118	-118,838
Mountain Region	-39,121	21,235	5,213	-11,462	-16,112	-15,317	-17,214
Pacific Region	2,322	49,135	10,625	-20,831	-11,035	-3,674	-8,243
Total Lower 48 States	-539,433	264,197	12,109	-330,780	-372,112	-309,054	-283,969
U.S. Total	-538,651	264,337	12,306	-330,832	-372,021	-309,162	-284,140

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	June	May	April	March	February	January
Alabama	-734	-5,684	-6,159	-243	8,440	4,774
Alaska ^a	-78	-71	219	235	185	194
Arkansas	-357	-411	91	234	567	431
California	-10,336	-25,451	-16,467	-4,345	-2,750	38,916
Colorado	-6,817	-5,045	1,888	920	5,579	5,942
Illinois	-29,520	-28,714	1,105	21,193	58,104	63,529
Indiana	-2,942	-2,903	-294	2,709	5,238	5,552
Iowa	-6,962	-5,355	541	6,384	11,129	14,550
Kansas	-11,868	-13,935	-2,777	-721	26,416	18,461
Kentucky	-5,537	-9,947	-14,941	2,284	20,181	13,454
Louisiana	-16,431	-36,612	-45,037	-1,990	73,436	57,369
Maryland	-2,577	-2,522	-254	970	4,876	3,057
Michigan	-82,493	-82,150	-42,975	61,590	176,480	138,879
Minnesota	-37	6	6	351	255	337
Mississippi	-11,013	-20,437	-30,471	371	40,415	36,131
Missouri	*	0	0	-976	1,273	151
Montana	-3,128	-2,545	-1,350	-172	3,314	4,588
Nebraska	-1,343	-1,121	-417	669	1,778	1,989
New Mexico	-1,306	-2,874	-2,771	-2,404	-1,237	131
New York	-15,297	-12,852	-4,764	12,169	17,191	17,951
Ohio	-26,651	-31,413	-14,797	19,170	37,546	42,969
Oklahoma	-17,758	-30,908	-22,563	1,625	31,015	30,588
Oregon	-374	-2,416	116	-732	688	3,212
Pennsylvania	-51,105	-62,659	-27,319	48,329	92,652	83,807
Tennessee	-49	-53	-48	-10	96	42
Texas	-23,854	-64,583	-68,034	4,146	75,241	66,265
Utah	-5,110	-6,367	-512	-197	3,249	6,246
Virginia	-509	-600	793	-1,256	1,821	1,268
Washington	122	-4,285	-1,199	2,520	4,712	4,416
West Virginia	-25,786	-33,369	-23,204	19,424	41,243	58,043
Wyoming	-1,715	-1,151	308	1,217	2,397	1,901
Regions						
East Region	-121,926	-143,415	-69,546	98,805	195,328	207,094
South Central Region	-82,015	-172,570	-174,950	3,421	255,529	214,020
Midwest Region	-127,539	-129,116	-56,605	93,527	272,757	236,494
Mountain Region	-19,419	-19,103	-2,853	34	15,081	20,797
Pacific Region	-10,588	-32,152	-17,550	-2,557	2,649	46,544
Total Lower 48 States	-361,486	-496,356	-321,505	193,230	741,344	724,949
U.S. Total	-361,564	-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.^R Revised data.^{*} 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, August 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	16,371	26,821	-1,882	-10.3	722	4,351
Alaska ^a	5	83,592	67,915	14,197	37,018	51,215	2,937	8.6	2,487	11
Arkansas	2	21,853	12,178	12,880	3,554	16,434	1,112	45.6	574	0
California	14	603,808	373,236	230,605	260,634	491,240	-16,708	-6.0	12,285	13,417
Colorado	11	139,486	68,174	62,868	43,866	106,734	626	1.4	7,125	4,203
Illinois	28	1,004,710	303,613	704,110	170,336	874,446	-8,085	-4.5	36,530	1,642
Indiana	21	111,721	33,674	77,946	21,579	99,525	-394	-1.8	2,195	4
Iowa	4	288,210	90,313	197,897	38,577	236,474	-3,690	-8.7	13,686	1,882
Kansas	16	282,986	122,982	164,009	91,176	255,185	-4,622	-4.8	5,833	6,488
Kentucky	23	221,723	107,572	112,932	73,304	186,236	-22,469	-23.5	6,947	5,629
Louisiana	19	748,173	457,202	282,177	320,096	602,273	3,565	1.1	33,505	37,201
Maryland	1	64,000	18,300	45,677	14,493	60,171	-1,467	-9.2	2,679	53
Michigan	44	1,071,608	685,709	386,921	556,099	943,020	-16,946	-3.0	55,743	1,249
Minnesota	1	7,000	2,000	4,848	1,654	6,502	-190	-10.3	244	0
Mississippi	12	334,792	204,713	124,870	107,240	232,110	-23,890	-18.2	11,739	16,658
Missouri	1	13,845	6,000	7,845	6,076	13,922	121	2.0	*	0
Montana	4	376,225	197,477	178,501	31,152	209,652	-3,835	-11.0	2,552	159
Nebraska	1	34,850	12,653	22,197	8,876	31,072	-1,284	-12.6	789	225
New Mexico	2	89,100	59,738	29,362	40,282	69,644	-6,317	-13.6	199	3,083
New York	26	245,779	127,487	114,156	88,359	202,515	-5,771	-6.1	16,432	732
Ohio	24	575,794	252,140	321,618	162,651	484,269	-8,275	-4.8	25,080	731
Oklahoma	13	376,528	196,675	179,696	146,406	326,102	-17,500	-10.7	7,852	9,826
Oregon	7	29,565	15,935	11,186	16,694	27,880	-655	-3.8	713	11
Pennsylvania	49	763,296	427,661	335,552	313,223	648,775	-12,645	-3.9	52,768	5,562
Tennessee	2	2,400	1,800	878	1,260	2,138	13	1.0	0	11
Texas	36	854,058	549,693	297,444	383,195	680,639	-37,737	-9.0	21,742	40,810
Utah	3	124,509	54,942	69,508	43,780	113,289	-3,293	-7.0	2,364	916
Virginia	2	9,500	5,400	4,100	4,207	8,307	-459	-9.8	555	237
Washington	1	46,900	24,600	22,300	19,663	41,963	-170	-0.9	2,837	613
West Virginia	31	530,837	268,884	262,614	194,353	456,967	1,501	0.8	27,552	2,593
Wyoming	9	157,744	73,705	67,575	33,727	101,302	-3,013	-8.2	1,614	1,785
Regions										
East Region	133	2,189,206	1,099,872	1,083,718	777,287	1,861,005	-27,116	-3.4	125,065	9,909
South Central Region	100	2,661,991	1,576,592	1,071,526	1,068,038	2,139,564	-80,953	-7.0	81,966	115,333
Midwest Region	124	2,721,215	1,230,680	1,493,376	868,887	2,362,263	-51,641	-5.6	115,345	10,416
Mountain Region	30	921,914	466,689	430,011	201,682	631,693	-17,116	-7.8	14,643	10,370
Pacific Region	22	680,273	413,771	264,091	296,991	561,083	-17,533	-5.6	15,836	14,041
Total Lower 48 States	409	9,174,599	4,787,606	4,342,722	3,212,886	7,555,608	-194,359	-5.7	352,854	160,069
U.S. Total	414	9,258,191	4,855,521	4,356,919	3,249,904	7,606,822	-191,422	-5.6	355,342	160,080

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

* Volume is less than 500 Mcf.

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				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	NA	20,242	25,504	669	692	NA	NA	NA
Alaska	12,644	9,962	11,104	601	552	656	984	1,472
Arizona	NA	25,247	22,289	1,012	1,102	1,326	1,783	2,361
Arkansas	14,980	18,010	25,041	521	537	584	896	1,099
California	NA	265,715	247,458	17,954	18,796	20,802	27,144	29,589
Colorado	74,171	79,017	74,907	2,896	2,708	3,012	6,385	9,010
Connecticut	33,404	30,866	39,331	1,043	1,094	1,404	2,270	3,591
Delaware	6,455	6,709	8,866	156	150	205	347	606
District of Columbia	NA	7,767	10,201	259	253	310	473	562
Florida	10,304	11,135	10,977	757	786	887	1,075	1,409
Georgia	65,937	77,759	86,117	4,045	3,937	4,104	4,932	5,700
Hawaii	389	379	396	42	43	49	44	49
Idaho	17,229	14,185	13,268	522	511	591	1,099	1,988
Illinois	237,775	254,169	287,517	8,083	8,664	9,173	16,967	23,286
Indiana	74,753	81,057	96,358	1,996	2,091	2,409	5,321	7,058
Iowa	38,912	40,599	44,492	1,121	1,043	1,295	2,473	4,107
Kansas	33,729	34,616	40,089	1,116	1,059	1,290	1,865	3,216
Kentucky	24,934	30,274	36,880	782	717	774	1,184	2,026
Louisiana	18,286	21,969	27,819	1,269	1,294	1,353	1,503	1,793
Maine	1,867	1,699	1,946	55	53	82	139	240
Maryland	47,606	51,280	62,824	1,536	1,634	1,772	3,001	3,391
Massachusetts	79,910	74,392	96,219	2,516	2,627	3,324	5,995	8,761
Michigan	186,648	191,328	225,805	5,484	5,216	6,194	14,012	19,261
Minnesota	78,299	77,939	81,678	2,529	2,293	3,019	5,082	8,370
Mississippi	11,114	13,855	17,406	568	527	541	749	830
Missouri	54,164	57,104	70,090	1,697	1,631	1,943	3,385	4,518
Montana	13,273	10,999	11,430	354	348	480	914	1,629
Nebraska	23,431	22,015	24,358	672	698	911	1,594	2,421
Nevada	27,714	26,210	22,790	1,137	1,292	1,578	1,994	2,755
New Hampshire	4,907	4,527	5,875	164	143	183	352	498
New Jersey	144,441	146,846	185,347	4,321	4,881	5,701	9,519	15,232
New Mexico	19,554	21,469	21,087	829	850	963	1,428	2,113
New York	290,252	279,548	343,109	10,307	10,844	13,979	20,798	31,178
North Carolina	NA	42,518	47,690	985	NA	1,038	1,506	2,285
North Dakota	6,809	6,205	7,087	178	156	191	348	740
Ohio	154,472	171,255	215,636	4,972	4,646	5,262	9,851	13,796
Oklahoma	30,380	32,005	41,308	1,257	1,135	1,260	1,820	2,651
Oregon	29,887	22,718	21,471	776	863	1,327	2,142	3,757
Pennsylvania	144,401	143,783	176,601	4,177	4,423	5,351	9,759	14,171
Rhode Island	12,244	11,117	15,003	420	427	476	823	1,229
South Carolina	14,926	18,326	21,186	502	582	548	681	1,227
South Dakota	7,623	7,488	7,855	210	192	260	474	890
Tennessee	33,686	39,696	51,671	1,015	1,044	1,207	1,778	2,442
Texas	NA	125,292	160,584	5,423	5,987	5,807	7,728	9,387
Utah	39,564	39,665	34,527	1,442	1,647	2,183	2,834	4,879
Vermont	2,475	2,402	2,889	80	84	134	191	318
Virginia	46,506	53,004	65,414	1,524	1,592	1,747	2,381	3,649
Washington	56,063	44,347	41,410	1,733	1,786	2,206	4,009	6,969
West Virginia	NA	15,618	18,619	301	NA	323	754	1,361
Wisconsin	81,028	82,747	90,736	2,490	2,293	2,780	5,936	8,395
Wyoming	8,509	7,361	7,072	209	217	383	823	1,036
Total	2,813,201	2,874,432	3,305,335	104,705	107,637	124,108	200,542	280,794

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			
	March	February	January	Total	December	November	October	September
Alabama	3,251	3,303	4,957	28,407	4,880	1,790	875	620
Alaska	2,667	2,522	3,190	17,787	2,969	2,313	1,713	831
Arizona	3,706	NA	6,664	35,120	4,982	2,314	1,433	1,144
Arkansas	2,773	3,177	5,394	27,130	5,947	1,830	733	609
California	40,448	53,768	NA	411,828	66,472	37,487	22,235	19,919
Colorado	12,051	14,949	23,160	121,963	22,109	11,560	6,061	3,216
Connecticut	7,980	7,324	8,698	46,045	7,814	4,432	1,971	962
Delaware	1,674	1,384	1,933	9,660	1,711	794	281	165
District of Columbia	1,622	NA	2,120	11,379	2,132	941	337	202
Florida	1,651	1,776	1,962	15,352	1,587	1,083	820	727
Georgia	12,802	12,373	18,045	115,922	19,450	10,131	4,799	3,782
Hawaii	52	52	58	571	52	47	45	49
Idaho	2,632	3,775	6,112	24,889	5,896	2,661	1,457	690
Illinois	52,086	47,485	72,032	386,590	77,072	32,863	14,682	7,804
Indiana	17,117	15,311	23,450	125,038	26,002	11,340	4,294	2,346
Iowa	8,180	8,504	12,187	61,247	12,695	4,607	2,016	1,330
Kansas	6,256	7,040	11,886	54,060	12,007	4,755	1,542	1,138
Kentucky	5,631	5,580	8,240	45,502	9,305	3,864	1,288	772
Louisiana	2,837	3,055	5,181	31,393	4,826	1,988	1,388	1,222
Maine	436	405	457	2,566	449	229	133	56
Maryland	11,365	10,915	13,992	76,047	13,905	6,792	2,645	1,425
Massachusetts	20,373	16,654	19,661	112,082	19,200	10,623	5,427	2,440
Michigan	43,961	39,308	53,213	294,187	53,793	27,488	14,924	6,654
Minnesota	16,781	16,630	23,596	117,598	21,656	9,848	5,555	2,599
Mississippi	2,214	2,170	3,514	20,177	3,776	1,349	625	572
Missouri	10,495	11,195	19,299	87,265	19,404	6,724	2,508	1,526
Montana	2,262	3,019	4,268	19,100	3,972	2,116	1,383	631
Nebraska	4,249	5,132	7,755	33,050	6,924	2,373	1,031	706
Nevada	4,334	6,168	8,457	39,075	6,777	2,891	1,810	1,387
New Hampshire	1,235	1,042	1,288	6,861	1,249	701	231	153
New Jersey	34,249	30,578	39,961	215,510	36,467	18,709	8,782	4,706
New Mexico	3,013	4,252	6,105	32,577	5,893	3,068	1,214	933
New York	68,661	60,883	73,601	410,836	65,878	37,839	18,228	9,343
North Carolina	8,077	7,041	11,829	64,547	12,919	6,304	1,719	1,088
North Dakota	1,480	1,582	2,134	10,059	2,140	867	629	218
Ohio	36,914	32,763	46,269	255,826	45,997	23,457	10,396	4,721
Oklahoma	4,602	6,244	11,410	50,573	11,805	3,798	1,659	1,305
Oregon	5,123	6,390	9,510	39,391	8,788	3,994	2,776	1,114
Pennsylvania	34,348	31,516	40,656	215,512	38,712	20,030	8,820	4,167
Rhode Island	3,224	2,592	3,054	17,200	3,064	1,753	906	360
South Carolina	3,385	3,037	4,964	27,562	5,384	2,620	730	502
South Dakota	1,513	1,640	2,444	11,663	2,513	901	520	239
Tennessee	7,118	7,458	11,623	58,924	12,405	4,393	1,410	1,021
Texas	15,955	22,069	NA	175,332	29,067	9,113	6,508	5,353
Utah	5,592	7,281	13,706	63,929	13,140	6,363	2,979	1,781
Vermont	582	518	568	3,518	555	326	149	87
Virginia	R10,958	R9,992	R14,663	77,170	13,305	6,527	2,884	1,450
Washington	10,331	12,339	16,690	76,321	16,027	7,845	5,551	2,551
West Virginia	3,461	3,093	4,049	23,210	4,083	2,265	884	360
Wisconsin	18,556	17,162	23,416	125,484	24,373	10,370	5,591	2,404
Wyoming	1,567	1,854	2,420	11,999	2,423	1,135	727	353
Total	R581,829	R581,659	R831,927	4,345,031	793,950	379,611	187,305	109,734

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016							
	August	July	June	May	April	March	February	January
Alabama	646	675	833	978	1,645	2,755	5,516	7,195
Alaska	534	479	534	864	1,242	1,885	2,067	2,358
Arizona	1,030	1,081	1,327	1,766	2,422	3,090	5,815	8,716
Arkansas	545	584	687	937	1,510	2,762	4,944	6,040
California	18,615	19,535	21,253	24,772	28,203	39,795	43,744	69,797
Colorado	2,736	2,559	2,931	6,530	10,422	14,376	17,245	22,217
Connecticut	897	1,034	1,312	2,294	4,070	5,351	7,649	8,259
Delaware	155	164	224	458	794	1,094	1,812	2,009
District of Columbia	211	240	280	489	772	1,080	2,230	2,464
Florida	683	700	798	969	1,222	1,694	2,333	2,736
Georgia	3,816	3,629	3,761	4,631	6,473	9,578	19,793	26,077
Hawaii	45	45	45	44	51	49	47	52
Idaho	498	524	587	893	1,308	2,566	3,284	4,525
Illinois	7,463	7,828	9,530	15,847	30,371	41,363	62,741	79,025
Indiana	2,216	2,033	2,231	4,740	9,341	11,656	21,371	27,469
Iowa	1,052	1,178	1,181	2,249	4,664	6,787	10,221	13,266
Kansas	990	1,079	1,376	2,084	2,598	5,100	8,618	12,771
Kentucky	774	723	812	1,491	2,634	4,655	8,533	10,651
Louisiana	1,248	1,182	1,240	1,482	1,903	2,611	4,882	7,422
Maine	44	50	60	136	255	330	388	436
Maryland	1,345	1,484	1,784	3,341	5,421	7,549	13,589	16,769
Massachusetts	2,282	2,440	2,802	5,617	10,051	13,735	18,067	19,399
Michigan	4,899	5,406	5,587	12,193	27,261	33,138	47,643	55,201
Minnesota	2,497	2,306	2,944	4,253	9,873	12,540	19,714	23,813
Mississippi	553	594	740	816	943	1,732	3,311	5,165
Missouri	1,611	1,637	1,919	2,869	4,944	8,665	14,460	20,999
Montana	405	400	515	934	1,288	2,008	2,291	3,158
Nebraska	665	713	905	1,371	2,324	3,500	5,465	7,072
Nevada	1,208	1,269	1,518	1,993	2,500	3,524	5,658	8,540
New Hampshire	129	130	168	294	606	806	1,101	1,293
New Jersey	4,313	5,739	6,416	10,809	17,908	23,954	34,983	42,724
New Mexico	775	839	1,085	1,546	2,179	3,342	4,965	6,739
New York	9,231	10,735	12,749	22,011	36,765	47,350	66,423	74,285
North Carolina	1,046	1,047	1,222	1,657	3,302	5,133	12,917	16,193
North Dakota	175	162	181	375	770	1,076	1,509	1,957
Ohio	4,818	4,237	4,868	10,509	21,446	26,913	44,163	54,300
Oklahoma	1,175	1,114	1,369	1,759	2,369	4,616	7,604	11,999
Oregon	622	920	1,127	1,550	2,244	4,524	4,904	6,827
Pennsylvania	3,943	4,156	5,190	9,401	16,928	22,481	37,255	44,428
Rhode Island	236	268	325	746	1,498	1,935	2,791	3,320
South Carolina	484	447	499	719	1,342	2,282	5,686	6,866
South Dakota	209	196	230	523	973	1,303	1,766	2,289
Tennessee	910	1,004	1,158	1,627	3,108	5,468	11,344	15,077
Texas	5,380	5,756	7,078	7,373	11,583	16,632	30,066	41,424
Utah	1,366	1,714	1,463	2,994	4,451	6,228	9,030	12,419
Vermont	77	93	113	204	362	395	562	598
Virginia	1,376	1,429	2,052	2,969	5,421	8,173	14,427	17,158
Washington	1,776	1,855	2,300	3,170	4,151	8,903	9,271	12,921
West Virginia	323	363	371	726	1,783	2,617	4,160	5,275
Wisconsin	2,125	2,362	2,605	5,058	11,245	14,397	19,947	25,007
Wyoming	259	231	294	772	979	1,333	1,530	1,963
Total	100,409	106,369	122,582	193,829	327,916	454,829	689,836	878,664

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015							
	Total	December	November	October	September	August	July	June
Alabama	32,750	3,496	2,082	957	711	706	721	765
Alaska	18,574	2,683	2,317	1,429	1,040	531	499	589
Arizona	34,516	6,667	3,134	1,345	1,080	978	1,066	1,320
Arkansas	33,049	4,266	2,361	795	586	557	598	667
California	401,172	73,056	44,392	19,235	17,032	17,399	18,932	20,889
Colorado	122,364	22,545	16,187	5,800	2,924	2,403	2,633	3,115
Connecticut	50,975	4,749	3,846	2,101	948	970	1,089	1,330
Delaware	11,260	1,049	772	406	168	178	175	194
District of Columbia	13,494	1,456	994	567	276	262	264	256
Florida	15,407	1,459	1,233	1,096	641	643	844	880
Georgia	118,028	11,963	10,265	5,883	3,800	3,751	3,663	3,679
Hawaii	572	47	44	44	41	43	45	46
Idaho	23,482	4,842	3,704	1,017	652	367	494	521
Illinois	400,876	50,976	36,127	18,138	8,118	7,790	7,959	9,419
Indiana	133,045	16,792	11,707	5,768	2,419	2,008	2,172	2,309
Iowa	62,735	9,057	5,498	2,408	1,279	1,052	1,189	1,394
Kansas	58,384	8,933	5,587	2,180	1,596	1,442	1,151	1,380
Kentucky	49,426	5,853	4,167	1,640	885	889	899	900
Louisiana	36,858	3,762	2,384	1,537	1,356	1,205	1,295	1,288
Maine	2,700	315	246	145	48	48	49	71
Maryland	82,858	8,376	6,235	3,881	1,542	1,580	1,657	1,783
Massachusetts	126,662	12,658	9,466	5,833	2,486	2,463	2,641	3,330
Michigan	312,098	35,475	28,390	16,422	6,006	5,872	5,572	6,616
Minnesota	117,588	17,835	10,603	5,140	2,331	2,553	2,292	2,435
Mississippi	23,248	2,448	1,833	833	728	589	620	652
Missouri	95,503	12,940	7,731	3,096	1,646	1,729	1,595	1,807
Montana	18,912	3,283	2,652	1,049	497	381	385	404
Nebraska	34,663	5,620	2,921	1,081	683	695	809	971
Nevada	37,029	7,344	4,218	1,449	1,228	1,189	1,120	1,497
New Hampshire	7,842	884	680	251	153	146	151	186
New Jersey	237,104	22,176	16,145	8,928	4,507	4,589	5,481	6,160
New Mexico	33,130	6,207	3,759	1,247	829	840	808	1,262
New York	452,166	44,302	33,880	20,674	10,202	10,144	10,330	13,069
North Carolina	64,523	6,836	6,169	2,737	1,092	1,214	1,016	1,123
North Dakota	10,552	1,698	1,060	509	199	209	168	205
Ohio	285,306	30,726	22,078	12,188	4,677	4,717	5,012	6,095
Oklahoma	59,399	9,337	5,701	1,814	1,240	1,227	1,204	1,328
Oregon	37,070	6,927	5,719	1,763	1,189	821	840	963
Pennsylvania	235,669	24,492	18,222	11,557	4,797	4,063	4,148	5,380
Rhode Island	20,042	1,952	1,632	1,063	391	404	437	498
South Carolina	28,414	3,129	2,461	1,070	569	531	520	514
South Dakota	11,751	2,016	1,174	478	228	219	190	278
Tennessee	67,312	7,708	4,811	1,967	1,155	995	1,033	1,202
Texas	211,379	28,033	11,027	6,334	5,401	4,875	6,479	6,360
Utah	58,562	12,346	8,345	2,015	1,329	1,555	1,634	1,958
Vermont	3,833	402	294	168	81	74	89	107
Virginia	85,464	8,151	6,455	3,540	1,903	1,475	1,526	1,649
Washington	71,907	12,469	11,216	4,199	2,613	1,637	1,700	1,914
West Virginia	24,807	2,449	2,120	1,235	385	337	243	416
Wisconsin	126,854	16,449	11,077	6,091	2,502	2,310	2,478	2,481
Wyoming	11,576	2,277	1,489	437	300	199	244	410
Total	4,612,888	590,911	406,610	201,540	108,491	102,855	108,160	124,066

See footnotes at end of table.

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

State	2015				
	May	April	March	February	January
Alabama	1,113	1,697	3,863	8,552	8,087
Alaska	883	1,473	2,174	2,212	2,743
Arizona	1,821	2,191	3,201	4,276	7,436
Arkansas	942	1,634	4,846	7,718	8,080
California	27,358	29,622	32,140	40,902	60,216
Colorado	7,343	8,503	12,871	16,449	21,591
Connecticut	2,112	4,766	8,749	10,279	10,035
Delaware	289	754	2,076	2,533	2,665
District of Columbia	456	866	2,046	2,886	3,166
Florida	946	1,246	1,397	2,502	2,518
Georgia	4,354	5,538	12,196	26,723	26,214
Hawaii	46	54	51	52	60
Idaho	900	1,736	2,203	2,701	4,346
Illinois	13,194	26,783	54,278	85,540	82,554
Indiana	3,713	8,643	18,560	29,649	29,303
Iowa	2,157	4,112	7,952	13,542	13,093
Kansas	1,854	2,529	7,324	11,566	12,843
Kentucky	1,217	2,309	7,078	12,025	11,564
Louisiana	1,679	1,884	4,337	7,572	8,561
Maine	95	224	404	529	526
Maryland	2,200	4,975	12,967	19,141	18,521
Massachusetts	4,364	10,124	20,986	26,240	26,072
Michigan	10,476	22,109	42,465	68,402	64,293
Minnesota	3,958	8,178	15,011	23,784	23,468
Mississippi	718	1,060	3,058	4,909	5,799
Missouri	2,514	6,206	15,779	20,729	19,731
Montana	909	1,457	1,959	2,620	3,317
Nebraska	1,343	2,137	4,219	6,971	7,214
Nevada	1,901	2,366	3,384	4,287	7,046
New Hampshire	244	596	1,197	1,665	1,691
New Jersey	8,995	21,273	41,241	50,550	47,059
New Mexico	1,572	1,919	3,422	5,014	6,249
New York	18,251	36,470	74,731	91,107	89,006
North Carolina	1,308	2,814	7,387	17,363	15,464
North Dakota	447	720	1,277	2,055	2,006
Ohio	9,819	22,267	47,720	61,207	58,799
Oklahoma	1,937	2,647	6,955	12,794	13,215
Oregon	1,694	3,242	3,525	4,166	6,219
Pennsylvania	7,626	17,159	37,965	51,857	48,403
Rhode Island	577	1,426	3,296	4,154	4,211
South Carolina	712	1,104	3,299	7,323	7,182
South Dakota	508	783	1,358	2,162	2,357
Tennessee	1,606	3,088	9,122	18,022	16,604
Texas	6,857	10,986	34,514	36,891	53,622
Utah	3,129	4,515	5,112	6,449	10,176
Vermont	156	367	610	760	725
Virginia	2,226	4,750	13,596	20,861	19,331
Washington	3,103	5,971	7,225	8,079	11,781
West Virginia	668	1,631	4,563	5,640	5,121
Wisconsin	4,550	9,496	16,213	27,502	25,705
Wyoming	731	888	1,177	1,457	1,966
Total	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	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	NA	15,428	17,619	1,132	1,070	NA	NA	NA
Alaska	11,214	9,423	11,379	718	639	672	1,007	1,318
Arizona	NA	20,819	19,763	NA	1,866	1,970	2,289	2,541
Arkansas	NA	29,784	32,882	2,822	2,634	2,677	NA	3,026
California	150,441	151,792	149,004	16,058	14,802	14,653	16,097	17,114
Colorado	33,421	35,446	33,710	1,733	1,657	1,760	3,101	4,084
Connecticut	35,182	32,659	37,919	2,461	2,479	2,354	2,779	3,884
Delaware	8,151	7,758	8,076	571	498	559	717	747
District of Columbia	9,448	10,488	11,912	766	788	784	933	1,005
Florida	41,608	42,105	40,992	4,558	4,500	4,662	4,926	5,317
Georgia	29,980	34,423	38,259	2,219	2,172	2,223	2,601	2,827
Hawaii	NA	1,257	1,289	166	159	NA	157	164
Idaho	12,310	10,589	9,936	722	694	709	945	1,330
Illinois	135,559	139,109	152,481	8,059	7,696	7,567	12,884	13,530
Indiana	45,360	47,427	55,395	2,296	2,234	2,441	3,578	4,425
Iowa	31,104	31,840	33,691	1,604	1,623	1,781	2,319	3,328
Kansas	22,958	22,652	24,736	1,846	1,671	1,658	1,874	2,630
Kentucky	19,386	21,737	25,643	1,138	1,043	1,101	1,339	1,662
Louisiana	NA	19,082	20,192	1,990	1,868	NA	2,113	2,147
Maine	5,935	5,655	7,218	297	296	325	472	712
Maryland	NA	46,413	49,975	3,871	NA	2,967	4,094	4,183
Massachusetts	72,821	67,274	74,751	4,232	3,979	4,120	6,084	7,681
Michigan	107,166	107,188	123,141	5,566	5,112	6,084	8,967	11,420
Minnesota	NA	61,395	64,348	NA	2,878	3,137	4,883	7,512
Mississippi	10,735	12,065	13,707	981	890	905	1,103	990
Missouri	NA	36,499	43,290	2,239	2,041	2,196	2,786	3,243
Montana	14,609	12,639	12,049	690	675	758	1,102	1,722
Nebraska	20,089	17,527	20,049	1,109	1,075	1,256	1,573	2,224
Nevada	21,106	20,494	19,062	1,689	1,743	1,891	2,169	2,573
New Hampshire	6,007	5,532	7,101	269	201	251	446	592
New Jersey	NA	102,608	122,926	6,049	5,927	6,216	7,843	9,544
New Mexico	14,571	14,934	15,124	1,134	1,061	1,010	1,275	1,718
New York	204,796	198,128	224,696	15,092	14,359	14,733	18,286	21,629
North Carolina	NA	36,955	38,373	2,657	NA	2,341	2,946	2,945
North Dakota	8,105	7,280	8,326	356	310	324	494	902
Ohio	94,211	100,244	124,175	5,026	4,606	4,955	7,067	8,316
Oklahoma	24,321	24,852	28,964	1,667	1,542	1,640	1,957	2,426
Oregon	20,253	16,072	15,443	846	885	1,188	1,664	2,452
Pennsylvania	95,716	92,409	109,322	5,077	5,056	5,315	7,497	9,282
Rhode Island	7,513	7,077	8,970	263	268	305	550	769
South Carolina	14,518	15,597	16,551	1,316	1,407	1,287	1,524	1,505
South Dakota	6,730	6,568	6,898	300	299	337	483	748
Tennessee	29,635	32,469	37,965	2,177	2,110	2,179	2,628	2,572
Texas	NA	111,151	123,090	10,451	10,488	10,237	11,270	12,197
Utah	24,493	24,484	21,535	1,166	1,248	1,682	1,908	3,089
Vermont	NA	3,984	3,927	320	295	NA	336	379
Virginia	NA	44,413	48,270	3,160	NA	2,858	3,752	3,919
Washington	38,142	31,771	30,480	2,144	2,194	2,433	3,461	4,726
West Virginia	13,919	15,105	16,296	1,005	952	1,002	1,201	1,533
Wisconsin	57,154	58,625	64,207	3,133	2,869	3,054	4,477	6,288
Wyoming	9,644	8,510	7,799	477	423	535	965	1,128
Total	2,022,030	2,029,732	2,232,910	140,378	134,481	138,618	179,324	213,300

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			
	March	February	January	Total	December	November	October	September
Alabama	2,339	2,121	3,075	23,552	3,314	2,275	1,505	1,029
Alaska	2,241	2,064	2,554	15,953	2,277	1,986	1,400	866
Arizona	2,949	3,412	4,012	30,938	3,655	2,662	1,998	1,804
Arkansas	4,379	4,508	6,283	45,810	6,232	4,036	3,025	2,733
California	19,797	22,215	29,705	236,967	28,870	22,310	17,301	16,692
Colorado	5,265	6,275	9,547	54,265	9,066	5,115	2,824	1,813
Connecticut	7,148	6,442	7,635	50,258	7,106	4,847	3,180	2,466
Delaware	1,685	1,497	1,877	12,340	1,865	1,259	862	596
District of Columbia	1,697	1,499	1,976	15,648	2,011	1,577	898	675
Florida	5,892	5,491	6,261	62,526	5,911	5,251	4,707	4,552
Georgia	5,440	5,210	7,289	51,325	7,639	4,603	2,574	2,086
Hawaii	173	164	185	1,926	170	165	162	171
Idaho	1,740	2,456	3,714	17,598	3,274	1,658	1,266	811
Illinois	25,935	24,500	35,389	212,482	34,996	17,390	12,701	8,285
Indiana	9,282	8,366	12,736	74,131	13,291	6,367	4,327	2,719
Iowa	5,890	6,097	8,460	49,414	8,370	4,182	2,970	2,052
Kansas	3,579	3,652	6,048	34,762	5,921	2,682	1,968	1,540
Kentucky	3,889	3,822	5,391	33,520	5,921	2,990	1,697	1,176
Louisiana	2,701	2,386	3,307	28,931	3,403	2,448	2,095	1,903
Maine	1,322	1,177	1,334	8,559	1,319	771	523	291
Maryland	9,413	7,893	10,188	70,500	9,758	6,917	4,184	3,228
Massachusetts	16,774	13,799	16,151	104,850	15,481	10,334	7,338	4,424
Michigan	22,292	21,160	26,565	158,630	24,656	13,188	8,231	5,366
Minnesota	12,382	12,973	17,049	92,529	14,773	8,027	5,388	2,946
Mississippi	1,780	1,708	2,379	18,126	2,368	1,610	1,096	988
Missouri	6,391	NA	10,361	56,967	10,062	5,473	2,951	1,981
Montana	2,492	3,048	4,123	21,314	3,947	2,238	1,556	934
Nebraska	3,315	4,006	5,531	26,971	4,892	2,339	1,259	954
Nevada	3,061	3,493	4,488	31,125	4,003	2,639	2,154	1,836
New Hampshire	1,509	1,222	1,517	8,509	1,486	892	365	234
New Jersey	21,049	18,310	NA	153,096	23,599	11,716	7,835	7,339
New Mexico	1,957	2,477	3,938	24,954	3,981	3,335	1,535	1,170
New York	41,538	36,890	42,269	300,588	39,787	27,178	20,612	14,883
North Carolina	6,106	5,093	7,501	55,876	7,469	5,301	3,359	2,791
North Dakota	1,662	1,723	2,333	11,810	2,344	1,034	795	356
Ohio	20,541	18,469	25,232	152,478	24,165	14,606	8,566	4,898
Oklahoma	3,545	4,432	7,113	38,510	7,033	2,991	1,952	1,683
Oregon	3,299	4,087	5,831	26,667	5,055	2,520	1,949	1,071
Pennsylvania	20,924	19,194	23,371	142,724	23,326	13,681	8,461	4,846
Rhode Island	1,932	1,540	1,887	10,744	1,843	1,019	572	233
South Carolina	2,510	2,129	2,841	23,734	2,840	2,424	1,588	1,284
South Dakota	1,281	1,330	1,952	10,439	1,968	964	590	349
Tennessee	5,369	5,277	7,323	49,810	8,029	4,716	2,548	2,049
Texas	14,673	NA	NA	164,306	19,803	12,852	10,574	9,927
Utah	3,331	4,490	7,579	39,066	7,032	4,221	1,971	1,358
Vermont	782	685	822	6,251	845	575	495	353
Virginia	7,960	6,983	9,383	67,553	8,360	7,392	4,448	2,939
Washington	6,353	7,399	9,432	51,634	8,702	4,816	3,829	2,517
West Virginia	2,710	2,495	3,021	22,698	3,151	2,079	1,356	1,007
Wisconsin	11,194	10,826	15,314	88,701	14,628	7,423	4,884	3,142
Wyoming	1,748	1,920	2,448	13,425	2,257	1,252	850	555
Total	373,215	361,465	481,250	3,105,487	462,253	280,328	191,273	141,901

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016							
	August	July	June	May	April	March	February	January
Alabama	1,046	1,008	1,172	1,236	1,487	1,813	3,085	4,582
Alaska	639	566	664	826	1,201	1,664	1,753	2,110
Arizona	1,771	1,783	1,923	2,180	2,477	2,789	3,422	4,474
Arkansas	2,603	2,469	2,562	2,880	3,144	4,237	5,574	6,314
California	17,658	15,665	16,004	16,480	17,220	20,551	21,465	26,750
Colorado	1,495	1,638	1,834	3,121	4,605	6,190	7,277	9,285
Connecticut	2,462	2,444	2,106	2,826	3,746	5,111	6,810	7,154
Delaware	566	519	516	668	898	1,071	1,595	1,926
District of Columbia	699	688	639	877	1,222	1,297	2,469	2,596
Florida	4,284	4,640	4,548	4,880	5,280	5,668	6,134	6,672
Georgia	2,066	2,006	2,051	2,437	3,220	4,391	7,910	10,340
Hawaii	163	155	154	151	162	157	155	159
Idaho	712	668	664	865	1,009	1,733	2,111	2,827
Illinois	8,004	7,989	7,350	10,639	16,018	21,673	31,000	36,435
Indiana	2,493	2,087	2,176	3,276	5,161	6,490	11,408	14,337
Iowa	1,826	1,758	1,604	2,134	3,532	4,934	7,130	8,921
Kansas	1,563	1,512	1,628	1,960	2,102	2,925	4,639	6,322
Kentucky	1,126	1,065	1,012	1,522	1,798	3,178	5,410	6,625
Louisiana	1,970	1,785	1,816	2,110	2,137	2,248	2,778	4,238
Maine	280	284	311	471	789	1,018	1,168	1,333
Maryland	2,978	2,882	3,249	4,159	5,515	6,514	9,691	11,425
Massachusetts	4,205	3,926	3,830	5,716	8,832	10,662	13,977	16,124
Michigan	5,189	5,033	5,240	8,587	14,404	18,469	24,381	25,883
Minnesota	2,838	2,672	3,073	4,571	7,286	10,258	14,105	16,593
Mississippi	972	948	1,158	1,191	1,018	1,434	2,207	3,137
Missouri	2,119	2,040	2,034	2,666	3,235	5,204	8,516	10,685
Montana	742	732	764	1,136	1,461	2,230	2,390	3,184
Nebraska	930	960	1,048	1,267	1,817	2,565	3,846	5,094
Nevada	1,723	1,771	1,783	2,183	2,421	2,801	3,408	4,404
New Hampshire	203	200	248	381	716	962	1,283	1,539
New Jersey	8,213	8,165	7,963	8,929	11,456	15,021	19,959	22,901
New Mexico	1,053	1,009	1,117	1,249	1,558	2,196	2,813	3,940
New York	16,258	14,940	14,800	16,724	23,130	28,014	39,025	45,237
North Carolina	2,790	2,584	2,582	2,878	3,743	4,280	7,912	10,185
North Dakota	300	303	296	422	1,026	1,189	1,629	2,115
Ohio	4,902	4,193	4,162	6,640	12,084	14,927	23,498	29,839
Oklahoma	1,638	1,480	1,558	2,083	2,206	3,428	5,052	7,407
Oregon	697	926	1,046	1,318	1,797	2,922	3,165	4,202
Pennsylvania	4,608	4,420	4,911	6,756	10,707	13,278	21,407	26,322
Rhode Island	167	174	234	549	977	1,247	1,747	1,983
South Carolina	1,300	1,135	1,255	1,395	1,849	1,845	2,982	3,836
South Dakota	298	299	302	482	820	1,053	1,395	1,918
Tennessee	1,956	1,947	1,945	2,522	2,854	4,181	7,280	9,785
Texas	9,923	9,968	11,212	10,433	12,963	14,493	18,720	23,439
Utah	1,036	1,245	1,083	2,026	2,794	4,002	5,361	6,937
Vermont	355	350	310	290	520	523	724	911
Virginia	2,755	2,736	3,135	3,411	5,150	6,295	9,336	11,595
Washington	2,191	2,289	2,466	2,854	3,114	5,553	5,868	7,436
West Virginia	1,016	1,075	998	1,226	1,656	2,326	3,060	3,747
Wisconsin	3,060	2,867	3,162	4,578	7,206	9,266	13,211	15,274
Wyoming	467	430	434	856	1,107	1,521	1,635	2,061
Total	140,306	134,427	138,131	171,017	232,634	297,803	412,876	502,539

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015							
	Total	December	November	October	September	August	July	June
Alabama	25,162	2,421	2,372	1,549	1,201	1,147	1,117	1,114
Alaska	18,472	2,469	2,028	1,393	1,202	717	662	574
Arizona	30,536	4,131	3,015	1,918	1,709	1,651	1,758	1,878
Arkansas	47,651	4,918	4,033	3,163	2,654	2,517	2,388	2,405
California	235,791	29,484	26,091	16,134	15,078	16,351	15,782	16,147
Colorado	53,968	9,183	6,634	2,794	1,646	1,408	1,521	1,953
Connecticut	52,453	4,915	4,024	3,080	2,515	2,451	2,321	2,239
Delaware	11,731	1,234	1,117	852	453	429	393	429
District of Columbia	17,113	1,611	1,563	1,230	798	770	712	821
Florida	60,233	5,360	4,938	4,738	4,206	4,405	4,483	4,668
Georgia	53,745	5,195	4,704	3,165	2,421	2,277	2,162	2,094
Hawaii	1,908	167	148	152	153	156	159	154
Idaho	16,708	2,812	2,140	1,102	718	603	627	685
Illinois	215,218	24,423	18,019	12,469	7,827	7,840	7,358	7,293
Indiana	77,552	8,326	6,376	4,689	2,766	2,171	2,357	2,309
Iowa	49,165	6,364	4,259	3,103	1,748	1,495	1,597	1,804
Kansas	37,047	4,856	2,976	2,551	1,927	2,149	1,709	1,288
Kentucky	35,435	3,735	3,061	1,788	1,208	1,205	1,192	1,125
Louisiana	30,270	2,917	2,739	2,247	2,175	1,868	1,772	1,869
Maine	10,072	1,006	816	597	435	428	417	407
Maryland	70,199	6,638	5,903	4,720	2,962	2,986	2,943	2,840
Massachusetts	105,171	9,988	9,161	7,299	3,972	3,869	3,883	4,033
Michigan	168,360	17,807	13,062	9,169	5,182	5,372	5,034	5,423
Minnesota	93,005	12,435	8,304	5,158	2,760	2,884	2,516	2,609
Mississippi	19,727	1,803	1,744	1,304	1,169	1,046	961	1,015
Missouri	61,389	7,357	5,298	3,331	2,112	2,161	1,881	1,840
Montana	19,502	3,104	2,504	1,157	687	582	595	583
Nebraska	29,464	4,117	2,718	1,616	964	1,044	1,264	1,281
Nevada	29,873	4,045	3,114	1,977	1,674	1,722	1,610	1,839
New Hampshire	9,630	1,050	850	389	240	233	229	274
New Jersey	163,223	13,604	11,164	8,406	7,123	7,173	7,475	6,556
New Mexico	25,038	4,115	3,137	1,608	1,053	1,068	980	1,240
New York	311,207	28,987	24,517	19,000	14,008	14,826	14,458	13,026
North Carolina	55,114	4,403	5,334	4,116	2,889	2,452	2,487	2,867
North Dakota	12,317	1,799	1,208	664	320	310	307	313
Ohio	166,602	16,202	12,682	9,078	4,465	4,716	4,679	5,217
Oklahoma	41,982	5,631	3,758	2,030	1,599	1,566	1,530	1,541
Oregon	25,602	4,159	3,326	1,499	1,175	916	934	974
Pennsylvania	152,091	14,839	12,873	9,859	5,197	4,642	4,390	5,155
Rhode Island	12,016	1,132	1,030	638	247	253	262	309
South Carolina	23,752	1,894	2,122	1,815	1,371	1,380	1,316	1,299
South Dakota	10,434	1,546	1,114	565	312	310	305	323
Tennessee	53,049	5,192	4,635	3,033	2,225	2,057	2,040	2,141
Texas	175,883	18,914	13,714	10,532	9,633	9,420	10,649	10,620
Utah	35,772	6,958	4,785	1,491	1,003	1,170	1,181	1,387
Vermont	5,918	583	554	520	334	316	340	323
Virginia	69,107	6,201	6,155	4,889	3,592	2,646	2,716	2,644
Washington	49,939	7,681	6,040	3,218	2,520	1,994	2,067	2,406
West Virginia	23,026	2,053	1,965	1,580	1,131	869	1,003	813
Wisconsin	90,175	10,348	7,772	4,983	2,866	2,963	2,781	2,840
Wyoming	12,937	2,395	1,637	604	503	298	422	461
Total	3,201,734	352,506	283,231	194,961	138,126	135,279	133,728	135,446

See footnotes at end of table.

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

State	2015				
	May	April	March	February	January
Alabama	1,418	1,446	2,148	4,712	4,516
Alaska	1,147	1,548	2,268	1,992	2,473
Arizona	2,204	2,422	2,786	3,083	3,981
Arkansas	2,654	3,183	5,328	7,068	7,338
California	19,132	18,080	18,893	19,598	25,021
Colorado	3,507	3,869	5,455	7,064	8,934
Connecticut	2,611	4,444	7,321	8,272	8,259
Delaware	422	770	1,504	2,097	2,031
District of Columbia	725	1,010	2,184	2,648	3,043
Florida	4,571	5,074	5,402	6,078	6,311
Georgia	2,626	3,298	5,480	10,135	10,187
Hawaii	151	168	165	157	179
Idaho	850	1,235	1,477	1,770	2,687
Illinois	9,179	15,102	27,346	39,507	38,856
Indiana	2,726	5,094	9,954	15,393	15,390
Iowa	2,108	3,158	5,800	9,104	8,625
Kansas	1,722	1,900	3,805	5,825	6,338
Kentucky	1,202	1,739	4,345	7,562	7,275
Louisiana	2,068	2,032	2,553	3,738	4,292
Maine	389	833	1,405	1,665	1,676
Maryland	2,956	4,954	9,783	11,814	11,699
Massachusetts	4,407	7,663	14,506	18,213	18,175
Michigan	7,299	13,744	23,965	31,717	30,587
Minnesota	3,970	6,600	11,399	17,900	16,471
Mississippi	1,068	1,130	2,148	3,007	3,332
Missouri	2,368	4,330	8,620	11,594	10,496
Montana	988	1,404	2,060	2,586	3,252
Nebraska	1,460	1,957	3,127	4,904	5,012
Nevada	2,119	2,411	2,642	2,902	3,817
New Hampshire	308	673	1,455	1,955	1,975
New Jersey	7,304	15,286	22,572	28,279	28,280
New Mexico	1,356	1,488	2,093	3,063	3,836
New York	15,674	22,349	41,824	50,726	51,813
North Carolina	2,488	3,421	5,408	10,110	9,139
North Dakota	580	833	1,491	2,229	2,264
Ohio	6,476	12,865	24,200	33,326	32,696
Oklahoma	1,941	2,349	4,768	7,445	7,824
Oregon	1,539	2,193	2,373	2,770	3,745
Pennsylvania	5,766	10,553	21,190	29,768	27,858
Rhode Island	385	872	1,949	2,477	2,463
South Carolina	1,516	1,585	2,153	3,690	3,611
South Dakota	498	672	1,103	1,771	1,916
Tennessee	2,453	2,928	5,638	10,806	9,901
Texas	10,214	12,629	20,419	21,751	27,388
Utah	2,168	3,027	3,004	3,979	5,620
Vermont	204	370	675	810	889
Virginia	2,813	4,015	8,607	12,727	12,102
Washington	2,940	4,169	4,776	5,302	6,825
West Virginia	1,128	1,740	3,181	3,870	3,693
Wisconsin	3,791	6,601	11,827	16,777	16,627
Wyoming	919	986	1,196	1,603	1,913
Total	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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	130,387	130,353	125,672	15,869	15,719	15,813	16,313	15,892
Alaska	1,623	2,334	3,346	75	63	200	221	237
Arizona	12,811	12,966	13,442	1,376	1,333	1,350	1,562	1,585
Arkansas	59,841	58,060	57,539	7,217	6,887	7,073	7,490	7,215
California	499,422	512,464	516,369	68,890	64,201	60,178	62,230	60,226
Colorado	53,902	52,485	50,974	5,228	5,091	5,196	6,455	6,862
Connecticut	16,268	15,979	17,812	1,736	1,749	1,690	1,755	1,847
Delaware	NA	20,707	22,365	2,493	2,271	2,424	2,316	NA
District of Columbia	0	0	0	0	0	0	0	0
Florida	67,651	69,196	64,315	8,184	8,033	7,672	8,370	8,295
Georgia	102,040	102,055	105,173	12,720	12,355	12,729	12,484	11,912
Hawaii	363	372	289	48	45	45	46	42
Idaho ^a	23,109	22,026	19,366	2,262	2,472	2,455	2,741	2,819
Illinois	162,399	166,642	178,583	17,826	16,732	17,032	18,843	19,630
Indiana	241,498	253,529	253,770	28,005	27,598	26,309	27,923	29,677
Iowa	147,850	120,473	119,192	17,992	17,845	17,647	18,182	17,984
Kansas	84,585	83,869	80,848	11,045	11,725	10,162	9,180	9,756
Kentucky	74,982	76,874	79,307	8,405	8,020	8,492	9,215	9,052
Louisiana	NA	696,837	625,119	93,101	90,495	NA	89,125	87,863
Maine	10,979	12,769	14,676	1,221	1,240	1,133	1,171	1,375
Maryland	10,139	10,309	9,784	1,127	1,177	1,287	1,228	1,035
Massachusetts	31,670	30,472	30,844	2,517	2,489	2,707	3,200	4,311
Michigan	112,126	113,618	116,744	11,967	10,799	10,846	12,433	13,052
Minnesota	110,429	110,160	103,474	12,894	12,236	12,610	12,849	13,729
Mississippi	85,287	78,442	79,817	10,730	10,169	10,208	10,849	10,556
Missouri	41,618	42,553	44,510	4,594	4,402	4,362	4,717	4,873
Montana	12,424	13,519	14,141	1,815	1,709	1,382	1,089	1,261
Nebraska	58,230	58,615	56,766	7,147	7,586	6,217	6,868	7,014
Nevada	12,512	11,849	11,817	1,579	1,453	1,481	1,469	1,524
New Hampshire	5,709	5,689	5,710	594	611	609	682	768
New Jersey	NA	40,447	38,347	NA	NA	NA	4,343	NA
New Mexico	NA	10,640	11,931	1,292	1,298	1,253	1,310	NA
New York	53,299	50,586	57,867	5,799	5,636	5,482	5,553	6,428
North Carolina	68,859	70,612	70,122	8,421	7,806	8,109	8,312	8,284
North Dakota	22,453	19,575	20,679	2,563	2,578	2,828	2,931	2,983
Ohio	183,666	183,475	191,510	19,580	19,227	18,812	21,307	22,548
Oklahoma	133,289	130,482	118,549	16,196	15,656	16,021	16,747	17,220
Oregon	39,125	37,912	35,512	4,335	4,200	4,467	4,819	4,854
Pennsylvania	143,488	139,844	144,743	16,635	15,739	16,016	16,784	17,082
Rhode Island	NA	5,628	5,851	672	644	660	666	799
South Carolina	59,892	58,317	55,589	7,468	7,016	7,159	7,454	7,232
South Dakota	30,013	29,408	29,548	3,615	3,573	3,554	3,648	3,616
Tennessee	89,605	80,915	77,657	10,842	10,423	10,618	10,984	10,625
Texas	NA	1,081,090	1,062,986	140,826	143,670	140,620	133,666	130,797
Utah	26,760	25,782	24,879	2,907	3,035	3,112	3,248	3,480
Vermont	1,438	1,417	1,337	164	158	158	158	167
Virginia	NA	59,224	58,282	7,250	NA	7,646	7,698	7,833
Washington	52,243	51,135	49,252	6,074	5,922	5,939	6,052	6,263
West Virginia	22,820	19,879	17,507	2,822	2,686	2,733	2,672	2,488
Wisconsin	98,759	93,939	91,569	10,834	10,166	9,878	10,958	11,636
Wyoming	34,191	34,038	31,295	3,954	3,795	3,838	4,193	4,394
Total	5,184,554	5,109,561	5,016,778	634,681	622,850	611,048	624,507	625,274

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			
	March	February	January	Total	December	November	October	September
Alabama	17,421	15,519	17,843	192,424	16,998	15,514	15,106	14,453
Alaska	281	259	286	4,268	466	493	538	436
Arizona	1,756	1,782	2,067	19,765	1,914	1,646	1,663	1,576
Arkansas	7,685	7,626	8,647	87,876	8,515	7,582	7,052	6,668
California	62,828	56,739	64,131	774,504	66,492	62,918	63,793	68,837
Colorado	7,536	7,618	9,916	80,432	9,450	7,220	6,110	5,167
Connecticut	2,632	2,216	2,643	24,271	2,672	2,213	1,745	1,663
Delaware	2,353	2,657	2,888	31,457	2,776	2,573	2,742	2,659
District of Columbia	0	0	0	0	0	0	0	0
Florida	9,171	8,170	9,755	103,658	9,226	8,626	8,460	8,150
Georgia	13,925	12,308	13,608	152,312	13,487	12,619	12,635	11,517
Hawaii	47	42	48	542	42	41	43	44
Idaho ^a	3,183	3,276	3,901	34,761	3,788	3,171	3,117	2,659
Illinois	23,228	22,437	26,671	254,682	27,055	22,153	20,313	18,519
Indiana	33,846	31,613	36,527	370,944	37,406	28,292	24,639	27,077
Iowa	20,009	18,149	20,042	189,618	20,149	18,448	16,360	14,188
Kansas	10,585	9,833	12,297	123,915	12,699	9,872	9,120	8,356
Kentucky	10,458	9,881	11,459	115,201	11,095	10,031	9,001	8,199
Louisiana	90,263	82,437	NA	1,048,751	93,853	88,012	85,534	84,515
Maine	1,595	1,534	1,709	18,983	1,524	1,403	1,697	1,590
Maryland	1,528	1,275	1,482	15,400	1,666	1,146	1,281	997
Massachusetts	5,605	5,135	5,707	45,721	5,209	4,214	3,331	2,495
Michigan	17,541	16,396	19,092	172,010	18,447	14,564	13,226	12,155
Minnesota	14,907	14,732	16,471	162,818	15,993	13,769	12,018	10,879
Mississippi	11,143	10,406	11,226	116,117	10,739	9,932	8,328	8,676
Missouri	5,916	5,683	7,070	63,630	6,733	5,257	4,458	4,628
Montana	1,628	1,621	1,920	21,208	1,854	2,126	1,874	1,835
Nebraska	7,349	7,603	8,446	91,021	8,390	8,307	8,070	7,639
Nevada	1,671	1,516	1,819	18,327	1,824	1,517	1,628	1,510
New Hampshire	821	821	804	8,454	770	724	651	620
New Jersey	NA	4,957	5,391	60,910	5,379	4,500	5,405	5,179
New Mexico	NA	1,244	1,548	16,109	1,523	1,393	1,321	1,232
New York	8,291	7,587	8,522	77,153	8,323	6,779	6,129	5,336
North Carolina	9,631	8,662	9,633	105,504	9,629	8,938	8,625	7,700
North Dakota	3,133	2,426	3,012	31,232	2,620	3,009	3,179	2,848
Ohio	26,962	26,017	29,212	275,358	27,698	23,448	21,386	19,351
Oklahoma	17,909	15,559	17,980	192,257	17,581	15,480	14,948	13,765
Oregon	5,288	5,171	5,991	57,760	5,705	4,754	4,920	4,469
Pennsylvania	21,013	19,014	21,205	212,253	20,668	19,496	17,368	14,878
Rhode Island	716	NA	806	8,474	734	677	694	742
South Carolina	8,114	7,278	8,170	88,148	7,958	7,852	7,159	6,862
South Dakota	3,916	3,796	4,296	44,570	4,108	3,953	3,565	3,536
Tennessee	11,930	11,638	12,546	122,952	12,163	10,537	9,993	9,343
Texas	139,913	131,228	NA	1,649,759	154,403	140,134	137,211	136,921
Utah	3,390	3,810	3,779	38,568	3,460	3,201	3,130	2,995
Vermont	215	196	222	2,172	217	199	185	153
Virginia	8,262	7,874	7,741	88,422	7,668	7,547	6,455	7,527
Washington	6,994	6,844	8,156	79,275	7,903	6,687	7,137	6,414
West Virginia	3,155	2,937	3,328	32,281	3,394	3,284	3,013	2,712
Wisconsin	14,939	13,691	16,657	143,214	15,840	12,341	11,270	9,824
Wyoming	4,732	4,416	4,868	52,810	5,173	4,938	4,648	4,013
Total	691,124	644,418	730,654	7,722,252	733,380	653,529	622,274	603,507

See footnotes at end of table.

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

State	2016							
	August	July	June	May	April	March	February	January
Alabama	14,872	14,946	15,399	16,891	16,027	16,858	16,678	18,682
Alaska	261	307	363	261	183	237	243	479
Arizona	1,386	1,334	1,542	1,591	1,582	1,708	1,793	2,030
Arkansas	7,035	6,546	6,554	6,970	7,074	7,566	7,708	8,607
California	72,768	66,479	62,672	63,228	61,518	62,640	58,879	64,280
Colorado	5,246	5,118	4,984	6,141	6,625	7,542	7,704	9,124
Connecticut	1,733	1,685	1,602	1,714	1,921	2,044	2,517	2,764
Delaware	2,573	2,690	2,333	2,643	2,464	2,666	2,517	2,821
District of Columbia	0	0	0	0	0	0	0	0
Florida	8,431	8,340	7,619	8,566	8,978	9,069	8,655	9,538
Georgia	11,720	11,880	11,832	12,657	12,370	13,414	13,814	14,369
Hawaii	56	54	41	47	42	41	44	47
Idaho ^a	2,252	2,524	2,136	2,462	2,492	3,184	3,333	3,644
Illinois	17,502	17,556	16,356	18,795	20,145	23,101	25,486	27,701
Indiana	27,962	29,016	29,034	31,204	31,458	33,807	34,114	36,935
Iowa	15,012	14,346	14,114	14,311	13,989	15,816	15,857	17,028
Kansas	12,156	11,049	9,324	9,217	9,344	10,327	10,669	11,783
Kentucky	8,561	8,169	8,237	9,171	9,448	10,354	10,915	12,020
Louisiana	87,369	88,600	85,219	87,933	85,740	88,206	83,387	90,384
Maine	1,588	1,569	1,414	1,570	1,602	1,802	1,543	1,681
Maryland	1,207	1,219	1,063	1,202	1,264	1,549	1,456	1,349
Massachusetts	2,419	2,475	2,841	3,168	4,147	4,560	5,283	5,579
Michigan	11,473	10,754	11,263	11,856	14,586	16,473	18,124	19,089
Minnesota	12,090	12,203	11,722	12,508	13,345	15,560	15,368	17,365
Mississippi	9,571	9,591	9,839	9,772	9,647	9,099	10,108	10,815
Missouri	4,301	4,453	4,385	4,952	4,936	5,551	7,118	6,858
Montana	1,641	1,661	1,510	1,658	1,459	1,690	1,845	2,055
Nebraska	9,167	8,450	7,126	6,787	6,586	6,724	6,532	7,243
Nevada	1,440	1,392	1,427	1,477	1,511	1,556	1,442	1,602
New Hampshire	582	590	564	679	727	805	868	873
New Jersey	5,372	5,628	5,268	4,364	4,820	4,189	4,745	6,059
New Mexico	1,209	1,252	1,220	1,297	1,234	1,437	1,448	1,541
New York	5,568	5,203	5,138	4,925	6,674	7,463	7,872	7,743
North Carolina	8,370	7,741	7,668	8,439	8,635	9,199	10,057	10,502
North Dakota	2,037	2,194	2,768	2,795	2,091	2,663	2,274	2,755
Ohio	18,914	19,148	19,685	21,390	22,601	24,828	27,209	29,701
Oklahoma	15,638	15,794	15,675	17,306	16,339	16,434	15,496	17,802
Oregon	4,337	4,254	4,287	4,591	4,623	5,100	4,997	5,724
Pennsylvania	16,263	14,823	14,577	15,739	17,592	19,232	20,513	21,106
Rhode Island	662	605	652	691	728	760	799	730
South Carolina	6,901	6,771	7,010	7,448	7,464	7,538	7,284	7,901
South Dakota	3,661	3,401	3,386	3,480	3,645	3,786	3,933	4,117
Tennessee	9,639	9,293	9,496	9,395	9,550	10,157	11,179	12,206
Texas	143,214	142,470	128,372	128,639	126,880	137,788	131,487	142,240
Utah	2,735	2,822	3,036	3,073	3,569	3,376	3,600	3,571
Vermont	140	140	151	167	192	204	204	220
Virginia	7,427	7,350	7,190	6,896	7,176	7,453	7,109	8,624
Washington	5,964	6,013	5,731	5,758	6,304	6,605	6,795	7,964
West Virginia	2,576	2,697	2,406	2,093	2,300	2,548	2,588	2,670
Wisconsin	9,962	9,222	9,690	10,099	11,833	12,944	14,219	15,969
Wyoming	4,304	4,274	4,040	4,159	4,054	4,405	4,263	4,539
Total	627,266	616,091	589,960	612,176	619,514	662,058	662,069	720,427

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015							
	Total	December	November	October	September	August	July	June
Alabama	186,819	15,719	15,146	15,339	14,943	15,358	15,830	14,664
Alaska	4,864	422	381	369	345	402	390	376
Arizona	20,402	2,029	1,882	1,604	1,446	1,487	1,498	1,512
Arkansas	85,287	7,301	7,201	6,903	6,342	6,455	6,434	6,380
California	777,102	66,909	63,511	64,415	65,899	71,454	69,806	62,545
Colorado	78,178	8,939	7,646	5,828	4,792	4,996	5,000	4,872
Connecticut	25,612	2,194	2,010	1,883	1,712	1,804	1,736	1,733
Delaware	33,126	3,040	2,682	2,590	2,448	2,636	2,668	2,560
District of Columbia	0	0	0	0	0	0	0	0
Florida	96,124	8,855	7,706	7,928	7,320	7,298	7,605	7,572
Georgia	157,937	13,423	13,324	13,742	12,274	12,720	13,006	12,710
Hawaii	442	36	36	43	37	41	38	44
Idaho ^a	31,664	3,399	3,311	3,028	2,561	2,412	2,091	2,359
Illinois	265,900	24,502	23,724	20,369	18,722	18,717	19,614	18,206
Indiana	372,537	33,407	29,891	28,801	26,669	28,121	28,246	27,518
Iowa	178,772	15,802	15,136	15,213	13,428	13,991	13,797	13,627
Kansas	121,064	12,396	9,972	9,125	8,723	10,837	11,029	9,136
Kentucky	116,524	10,000	9,814	8,890	8,512	8,841	8,479	8,613
Louisiana	949,421	85,222	81,626	79,578	77,875	80,615	77,128	75,687
Maine	20,972	1,526	1,510	1,670	1,590	1,555	1,591	1,629
Maryland	14,765	1,312	1,277	1,252	1,140	927	1,123	1,168
Massachusetts	44,554	4,043	4,042	3,051	2,574	2,215	2,265	2,169
Michigan	171,196	15,555	14,100	13,319	11,478	11,210	11,139	10,687
Minnesota	157,401	15,545	13,674	13,347	11,362	10,324	10,333	10,718
Mississippi	121,835	10,510	10,320	11,290	9,898	9,646	9,717	9,893
Missouri	65,691	6,158	5,560	4,912	4,551	4,399	4,742	4,629
Montana	21,920	2,178	2,009	1,878	1,714	1,970	1,441	1,554
Nebraska	85,604	7,161	7,848	7,320	6,508	7,106	7,738	6,459
Nevada	17,724	1,467	1,507	1,463	1,470	1,463	1,425	1,386
New Hampshire	8,386	743	709	619	605	566	606	611
New Jersey	55,368	4,211	4,575	4,156	4,079	4,039	4,218	4,134
New Mexico	17,937	1,571	1,613	1,476	1,345	1,434	1,379	1,230
New York	83,058	6,684	6,657	6,256	5,594	5,803	5,279	5,363
North Carolina	105,103	9,050	8,912	9,045	7,975	8,155	7,855	7,794
North Dakota	31,660	2,377	2,951	2,948	2,706	2,519	1,999	2,452
Ohio	276,004	23,373	22,474	20,128	18,521	19,080	19,463	19,413
Oklahoma	184,547	17,932	17,201	15,893	14,973	13,427	12,251	12,772
Oregon	53,632	5,136	4,720	4,273	3,990	4,064	3,919	4,095
Pennsylvania	212,050	18,318	17,002	16,747	15,240	15,364	15,910	15,935
Rhode Island	8,624	742	669	675	686	673	650	666
South Carolina	84,898	7,938	7,403	7,298	6,671	6,802	6,697	6,700
South Dakota	44,094	3,872	3,815	3,422	3,438	3,534	3,499	3,571
Tennessee	114,682	9,843	9,276	9,190	8,716	8,767	8,574	8,801
Texas	1,606,000	145,313	137,582	132,045	128,074	135,975	133,700	130,022
Utah	37,189	3,568	3,083	2,933	2,724	2,755	2,744	2,994
Vermont	2,040	188	178	188	150	153	156	137
Virginia	86,817	7,186	7,338	7,260	6,752	7,360	7,286	7,320
Washington	76,527	7,520	6,984	6,748	6,023	5,633	5,370	5,698
West Virginia	25,474	2,390	2,027	1,861	1,688	1,846	1,757	1,916
Wisconsin	136,709	12,901	12,329	10,777	9,133	9,153	8,853	8,839
Wyoming	47,667	4,626	4,196	3,906	3,644	3,765	3,826	3,817
Total	7,521,903	674,532	638,537	612,994	579,061	599,867	591,900	574,682

See footnotes at end of table.

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

State	2015				
	May	April	March	February	January
Alabama	15,511	14,190	15,969	16,306	17,844
Alaska	397	395	439	450	497
Arizona	1,644	1,659	1,831	1,695	2,115
Arkansas	6,771	7,029	7,921	8,062	8,486
California	63,541	63,109	62,086	57,364	66,464
Colorado	5,976	6,060	7,135	8,041	8,894
Connecticut	1,816	2,082	2,936	2,728	2,978
Delaware	2,819	3,037	3,171	2,494	2,980
District of Columbia	0	0	0	0	0
Florida	8,064	7,994	8,562	8,416	8,804
Georgia	13,089	12,115	13,537	13,192	14,803
Hawaii	31	32	37	28	38
Idaho ^a	2,598	2,322	2,419	2,558	2,607
Illinois	19,770	20,616	24,665	27,785	29,210
Indiana	29,593	29,054	36,014	37,319	37,904
Iowa	14,433	13,906	15,493	16,578	17,368
Kansas	8,466	9,035	9,199	11,071	12,075
Kentucky	8,771	9,698	11,455	11,433	12,018
Louisiana	79,982	76,135	76,884	74,946	83,743
Maine	1,718	1,953	2,186	1,843	2,201
Maryland	1,141	1,135	1,351	1,353	1,584
Massachusetts	2,808	4,049	5,321	6,187	5,830
Michigan	11,570	14,382	17,712	19,139	20,906
Minnesota	11,133	13,355	15,419	15,370	16,822
Mississippi	9,642	9,617	9,983	10,327	10,991
Missouri	4,657	5,116	6,733	7,055	7,179
Montana	1,671	1,670	1,791	1,862	2,182
Nebraska	6,797	6,626	6,395	7,715	7,930
Nevada	1,438	1,558	1,546	1,376	1,625
New Hampshire	598	764	930	812	823
New Jersey	4,154	4,589	5,316	5,557	6,341
New Mexico	1,550	1,597	1,643	1,523	1,575
New York	5,776	7,332	9,509	9,427	9,379
North Carolina	8,132	8,546	9,856	9,375	10,411
North Dakota	2,835	2,510	2,940	2,687	2,736
Ohio	20,431	22,803	28,217	30,802	31,300
Oklahoma	15,911	15,171	15,918	15,206	17,893
Oregon	4,307	4,671	4,710	4,538	5,209
Pennsylvania	16,938	17,645	21,257	20,789	20,905
Rhode Island	701	848	760	826	728
South Carolina	6,892	7,121	7,647	6,119	7,611
South Dakota	3,524	3,706	3,722	3,967	4,025
Tennessee	8,581	9,194	10,717	11,510	11,513
Texas	134,880	129,764	133,061	125,336	140,247
Utah	3,073	3,092	3,152	3,483	3,586
Vermont	134	158	207	176	217
Virginia	7,646	7,711	6,605	6,805	7,550
Washington	5,995	6,187	6,874	6,249	7,246
West Virginia	1,874	2,245	2,672	2,669	2,529
Wisconsin	9,392	10,427	13,617	15,341	15,947
Wyoming	3,673	3,919	4,092	3,733	4,470
Total	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.

^R Revised data.

^{NA} Not available.

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

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

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

(million cubic feet)

State	2017	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	256,935	281,254	267,938	41,627	42,894	33,358	30,762	29,599
Alaska	11,780	15,035	21,113	2,691	1,853	1,103	859	960
Arizona	147,890	184,472	157,935	31,073	33,913	27,445	18,958	14,145
Arkansas	81,114	100,012	84,566	12,375	14,985	11,929	11,709	10,484
California	377,496	439,573	512,947	77,972	67,065	49,459	35,019	27,565
Colorado	67,356	69,865	56,922	11,218	12,603	8,937	7,183	7,343
Connecticut	70,125	83,641	77,813	10,732	10,884	7,945	6,658	7,129
Delaware	25,937	37,510	32,673	3,870	4,191	3,951	4,209	2,306
District of Columbia	--	--	--	--	--	--	--	--
Florida	791,838	821,488	770,081	126,118	122,430	107,558	108,093	92,091
Georgia	248,690	271,525	240,398	40,228	38,691	33,621	29,897	24,055
Hawaii	--	--	--	--	--	--	--	--
Idaho	16,695	17,333	17,207	3,264	3,243	1,756	1,310	1,441
Illinois	64,655	104,922	53,301	8,072	13,210	9,923	8,306	4,653
Indiana	83,994	108,030	86,655	11,332	13,364	10,051	6,931	8,499
Iowa	16,970	16,754	11,853	3,861	3,880	2,111	1,595	1,667
Kansas	15,322	14,040	11,343	2,865	3,890	2,520	1,566	1,700
Kentucky	35,426	47,092	32,170	5,240	7,433	5,018	4,323	4,336
Louisiana	186,880	240,682	225,278	29,851	30,500	26,900	24,258	21,508
Maine	W	16,868	10,665	W	1,788	1,422	W	W
Maryland	31,945	38,945	26,936	4,724	5,972	4,593	3,395	3,772
Massachusetts	124,591	117,442	108,321	18,789	18,703	16,374	14,369	14,727
Michigan	134,457	176,459	108,012	20,024	22,818	17,294	15,628	13,406
Minnesota	39,709	52,819	34,948	7,504	8,610	4,432	3,538	3,334
Mississippi	227,569	255,010	228,977	35,090	37,911	29,405	29,297	24,478
Missouri	25,692	37,348	28,437	3,554	5,213	3,618	3,192	2,286
Montana	W	W	4,605	758	676	W	352	359
Nebraska	W	4,728	3,441	1,060	1,897	W	W	W
Nevada	133,444	145,623	137,303	22,422	22,969	19,276	14,558	11,948
New Hampshire	17,705	22,292	28,875	3,468	2,923	2,505	1,776	3,572
New Jersey	156,900	228,424	184,857	20,934	25,484	21,426	19,018	16,692
New Mexico	52,207	57,023	52,905	7,693	9,171	8,090	6,054	4,537
New York	281,088	338,103	319,999	44,607	47,923	38,452	29,629	26,293
North Carolina	185,676	205,321	181,655	26,857	27,469	23,697	21,506	18,053
North Dakota	W	W	4,707	900	W	W	W	517
Ohio	125,754	148,069	143,964	19,057	20,329	16,063	14,985	11,330
Oklahoma	156,375	192,922	174,422	28,217	33,638	24,071	17,865	16,318
Oregon	52,679	66,037	67,907	12,463	10,606	3,502	2,289	2,696
Pennsylvania	281,939	336,347	288,662	45,954	49,072	37,926	27,869	25,348
Rhode Island	30,119	33,819	35,270	4,574	4,858	4,142	3,614	3,378
South Carolina	87,944	87,301	85,962	13,069	13,449	11,525	12,569	11,110
South Dakota	W	5,760	4,413	989	1,266	W	W	W
Tennessee	48,775	60,759	47,456	6,709	8,023	6,592	3,286	6,053
Texas	953,825	1,095,123	1,115,160	166,201	175,624	142,230	111,204	98,684
Utah	29,252	42,039	36,734	6,145	5,148	3,624	2,458	2,166
Vermont	9	6	16	1	*	1	2	*
Virginia	223,868	205,255	169,917	35,861	37,893	33,966	23,632	19,876
Washington	56,718	57,541	54,957	12,312	10,235	4,632	4,131	5,248
West Virginia	W	6,950	8,682	1,304	1,443	946	533	279
Wisconsin	68,196	93,899	66,665	12,681	14,647	8,499	5,955	5,929
Wyoming	W	W	741	W	341	W	W	W
Total	6,061,324	6,994,962	6,425,766	1,008,141	1,051,503	834,144	697,129	613,895

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			
	March	February	January	Total	December	November	October	September
Alabama	30,229	22,970	25,496	415,162	30,859	30,500	31,962	40,587
Alaska	1,294	976	2,044	22,236	1,753	1,763	1,732	1,952
Arizona	7,550	5,346	9,459	255,593	9,577	12,145	20,806	28,593
Arkansas	9,547	6,362	3,723	136,368	7,172	10,868	9,109	9,207
California	32,709	36,916	50,791	671,152	52,512	51,615	62,951	64,501
Colorado	6,140	5,661	8,269	95,419	7,245	5,669	5,848	6,793
Connecticut	8,124	8,279	10,373	122,240	9,470	9,797	9,514	9,817
Delaware	3,394	2,097	1,919	53,926	2,262	3,572	5,346	5,237
District of Columbia	--	--	--	--	--	--	--	--
Florida	88,623	71,285	75,640	1,180,649	76,560	76,861	96,936	108,803
Georgia	26,609	27,229	28,361	379,202	25,859	23,972	26,061	31,785
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,735	1,536	2,410	23,971	1,766	834	1,366	2,671
Illinois	8,467	6,213	5,811	146,175	8,363	8,308	11,710	12,872
Indiana	12,870	9,760	11,188	158,414	13,562	13,587	11,299	11,936
Iowa	1,417	906	1,533	20,233	713	575	942	1,249
Kansas	1,289	600	891	20,324	931	1,262	1,356	2,735
Kentucky	4,750	1,869	2,457	66,907	5,420	4,211	4,730	5,454
Louisiana	21,645	16,448	15,770	330,642	18,790	19,777	22,889	28,503
Maine	W	W	W	22,408	815	1,122	1,770	1,834
Maryland	4,687	2,716	2,084	49,059	822	570	3,308	5,414
Massachusetts	14,894	12,824	13,910	160,044	10,717	8,180	9,495	14,211
Michigan	18,453	11,625	15,208	243,612	15,356	16,947	16,857	17,992
Minnesota	4,257	3,078	4,957	65,606	2,906	3,268	3,282	3,332
Mississippi	28,521	18,076	24,792	367,456	27,475	21,372	27,273	36,326
Missouri	3,215	2,085	2,529	51,135	3,601	2,189	3,153	4,845
Montana	369	302	418	7,306	W	W	W	618
Nebraska	W	W	W	6,358	196	674	469	291
Nevada	12,922	13,168	16,181	209,610	15,951	15,667	15,257	17,112
New Hampshire	1,464	893	1,104	33,841	2,200	3,078	2,362	3,909
New Jersey	22,311	14,037	16,998	327,628	21,684	19,960	27,481	30,078
New Mexico	5,244	4,969	6,449	82,929	6,174	5,270	7,211	7,250
New York	34,603	27,617	31,964	477,867	33,326	28,853	32,503	45,082
North Carolina	24,324	21,817	21,952	293,669	21,708	23,813	18,622	24,204
North Dakota	538	504	671	9,347	W	607	691	828
Ohio	15,458	13,768	14,763	211,732	15,615	15,568	14,289	18,191
Oklahoma	12,121	10,375	13,769	274,388	16,442	20,889	18,559	25,575
Oregon	3,648	6,185	11,290	107,069	12,339	7,788	7,767	13,139
Pennsylvania	32,350	30,087	33,332	500,656	38,553	38,967	39,512	47,277
Rhode Island	3,346	2,964	3,244	46,974	2,844	2,903	2,968	4,439
South Carolina	9,774	8,753	7,695	133,130	7,370	13,620	10,992	13,848
South Dakota	W	321	552	7,574	272	512	473	556
Tennessee	8,415	4,911	4,785	87,680	7,931	3,688	6,423	8,879
Texas	94,308	77,504	88,069	1,538,663	90,872	96,452	111,658	144,557
Utah	2,239	2,636	4,836	58,008	4,215	3,313	4,019	4,423
Vermont	2	1	2	14	2	2	2	3
Virginia	26,635	22,805	23,199	292,826	20,812	20,785	18,007	27,967
Washington	5,404	5,229	9,526	85,403	7,455	4,674	5,017	10,717
West Virginia	W	W	W	10,311	164	386	1,662	1,150
Wisconsin	8,181	5,385	6,919	120,764	6,991	6,628	5,218	8,027
Wyoming	W	W	114	1,844	W	W	W	W
Total	667,123	550,276	639,113	9,983,526	668,757	663,538	741,360	914,908

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							
	August	July	June	May	April	March	February	January
Alabama	43,505	44,566	39,282	33,335	26,636	30,764	29,216	33,949
Alaska	2,200	2,044	1,756	1,755	1,645	1,745	1,810	2,080
Arizona	36,059	36,512	31,063	20,260	18,623	14,134	12,550	15,271
Arkansas	16,405	16,341	17,250	12,184	10,509	12,760	5,899	8,663
California	79,709	73,374	63,255	40,618	37,567	37,493	47,121	60,436
Colorado	10,126	11,675	10,289	7,741	8,614	7,331	6,294	7,795
Connecticut	12,137	11,476	9,275	10,263	11,348	8,938	9,698	10,507
Delaware	7,089	7,425	6,001	3,953	4,602	3,856	2,385	2,200
District of Columbia	--	--	--	--	--	--	--	--
Florida	120,587	122,353	114,263	106,961	100,187	90,908	79,470	86,759
Georgia	41,363	43,098	39,628	33,268	30,528	29,405	25,637	28,597
Hawaii	--	--	--	--	--	--	--	--
Idaho	3,698	2,549	2,006	1,407	628	1,760	2,412	2,873
Illinois	20,063	23,039	13,253	9,676	9,615	12,110	8,898	8,269
Indiana	16,077	15,793	13,958	13,693	9,428	13,879	11,811	13,392
Iowa	3,628	3,162	2,131	2,456	801	1,453	1,485	1,639
Kansas	2,847	3,163	3,117	1,685	1,104	947	510	667
Kentucky	7,597	8,026	6,732	4,992	4,493	6,026	3,711	5,514
Louisiana	31,968	38,721	33,611	30,795	25,600	27,286	24,777	27,924
Maine	3,562	3,252	1,770	1,920	1,409	607	1,896	2,451
Maryland	10,307	9,671	3,730	3,879	3,569	4,203	2,295	1,292
Massachusetts	21,417	21,351	17,569	15,482	11,546	10,627	9,811	9,641
Michigan	31,130	26,034	21,500	22,478	23,125	18,916	16,885	16,392
Minnesota	10,302	8,556	6,111	6,207	5,853	5,173	5,230	5,386
Mississippi	37,854	39,659	36,139	31,831	22,528	26,509	29,688	30,803
Missouri	6,815	7,273	6,992	4,019	4,780	2,543	2,547	2,379
Montana	1,051	885	670	W	W	553	578	636
Nebraska	1,119	1,100	1,389	318	463	150	101	87
Nevada	21,887	22,567	21,319	17,106	14,939	15,241	14,624	17,941
New Hampshire	4,582	4,147	2,854	3,009	3,609	749	1,145	2,196
New Jersey	41,217	39,592	30,423	24,014	23,970	24,419	21,012	23,777
New Mexico	8,608	9,227	7,704	6,387	6,358	6,092	5,806	6,840
New York	64,329	59,588	44,619	39,743	33,273	32,185	30,295	34,071
North Carolina	30,092	29,132	23,889	21,936	23,986	28,153	24,825	23,308
North Dakota	1,315	1,155	898	688	W	664	726	729
Ohio	23,086	22,704	17,398	11,353	16,437	18,110	19,207	19,773
Oklahoma	29,527	33,632	31,430	22,843	20,250	17,666	16,020	21,555
Oregon	14,263	10,464	7,950	3,346	3,089	7,255	9,330	10,340
Pennsylvania	57,598	57,177	47,121	35,691	33,444	36,647	33,433	35,235
Rhode Island	5,686	5,963	4,761	5,004	2,937	4,496	2,530	2,442
South Carolina	14,771	15,788	12,229	10,143	6,915	9,925	7,877	9,654
South Dakota	1,139	1,031	745	605	687	528	570	455
Tennessee	10,415	10,109	9,257	6,235	5,147	6,915	6,325	6,355
Texas	174,935	171,002	151,685	132,544	117,577	119,869	105,021	122,491
Utah	6,023	6,322	6,069	5,071	5,259	4,411	4,107	4,778
Vermont	3	1	--	2	*	1	--	*
Virginia	38,099	36,703	29,100	21,704	13,489	20,289	22,753	23,118
Washington	12,266	9,735	6,145	5,028	2,787	4,468	7,351	9,761
West Virginia	686	680	1,309	1,666	1,100	1,074	226	208
Wisconsin	15,103	14,065	11,524	9,688	9,693	13,267	10,324	10,235
Wyoming	W	W	W	W	W	W	W	W
Total	1,154,593	1,142,161	971,342	805,702	721,262	742,605	686,335	770,962

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							
	Total	December	November	October	September	August	July	June
Alabama	397,498	33,320	31,415	31,618	33,206	37,362	39,113	36,718
Alaska	30,207	2,636	2,498	2,114	1,846	2,225	2,366	2,475
Arizona	248,369	17,489	17,648	24,377	30,919	38,045	33,640	30,516
Arkansas	109,553	6,818	5,446	4,135	8,588	12,556	12,815	9,908
California	805,933	62,996	59,144	83,347	87,498	88,850	83,645	73,309
Colorado	92,304	8,428	9,707	7,901	9,346	9,911	9,396	8,013
Connecticut	119,907	11,213	9,833	10,315	10,733	12,406	11,634	9,399
Delaware	45,450	2,251	2,318	3,189	5,018	5,158	5,798	4,594
District of Columbia	--	--	--	--	--	--	--	--
Florida	1,156,605	89,257	91,640	100,010	105,618	112,839	110,857	105,715
Georgia	355,698	27,586	27,518	29,598	30,598	35,866	39,865	33,548
Hawaii	--	--	--	--	--	--	--	--
Idaho	27,710	2,857	2,236	2,510	2,900	3,629	3,182	3,474
Illinois	83,976	8,006	7,206	6,679	8,783	7,798	10,938	7,069
Indiana	127,964	13,496	11,416	8,621	7,777	9,932	10,272	9,337
Iowa	16,199	1,564	435	774	1,573	2,180	2,812	1,563
Kansas	14,624	647	664	513	1,457	2,012	3,116	1,726
Kentucky	51,723	3,333	5,309	6,086	4,825	4,723	6,197	3,618
Louisiana	342,506	31,251	29,293	29,206	27,478	33,918	36,917	33,952
Maine	18,034	1,439	1,815	2,524	1,591	1,856	1,176	674
Maryland	39,770	2,457	3,202	2,964	4,210	4,973	6,702	4,489
Massachusetts	156,795	9,089	8,386	14,089	16,911	23,712	23,110	15,103
Michigan	166,202	15,903	13,848	14,827	13,612	13,677	16,264	13,328
Minnesota	53,096	5,619	2,969	3,276	6,284	6,268	7,131	4,567
Mississippi	330,718	25,534	25,669	23,829	26,709	32,028	34,689	32,118
Missouri	38,633	2,887	2,285	1,620	3,403	5,561	6,396	4,226
Montana	6,558	789	591	514	59	683	356	454
Nebraska	4,255	129	149	102	433	826	1,164	634
Nevada	209,692	18,315	15,460	18,276	20,339	23,127	20,918	21,420
New Hampshire	42,673	2,706	3,795	3,375	3,922	4,622	4,211	3,618
New Jersey	283,447	22,007	23,683	23,585	29,315	29,196	30,696	24,137
New Mexico	78,337	7,078	5,614	6,130	6,610	8,656	7,914	6,598
New York	471,586	30,391	32,318	39,583	49,295	54,490	54,257	39,800
North Carolina	269,354	22,441	22,253	19,405	23,600	24,915	26,073	26,615
North Dakota	6,546	174	102	451	1,113	1,129	1,187	458
Ohio	208,222	17,120	15,766	13,674	17,698	19,302	20,036	18,045
Oklahoma	254,401	23,028	20,467	16,297	20,187	27,986	30,270	22,032
Oregon	113,519	11,787	11,133	10,949	11,743	11,706	12,432	10,384
Pennsylvania	437,976	35,771	36,127	37,886	39,530	47,012	47,447	37,533
Rhode Island	50,005	3,079	4,282	3,860	3,515	7,028	6,879	6,127
South Carolina	136,111	11,849	13,807	12,523	11,970	13,804	15,096	14,729
South Dakota	6,128	622	463	291	339	809	1,040	664
Tennessee	69,752	6,151	5,453	4,568	6,125	5,993	7,585	7,019
Texas	1,623,836	121,199	108,509	129,548	149,420	183,710	179,372	145,182
Utah	56,449	5,305	4,875	4,371	5,164	6,232	5,845	5,560
Vermont	19	1	1	*	1	*	*	1
Virginia	243,176	22,865	16,554	11,729	22,112	26,159	29,067	26,227
Washington	96,897	9,289	10,567	11,212	10,873	10,989	12,516	9,992
West Virginia	13,221	509	754	1,536	1,740	1,870	2,142	1,612
Wisconsin	100,502	9,852	7,642	7,393	8,950	8,706	10,791	8,056
Wyoming	1,233	72	150	161	108	154	216	141
Total	9,613,370	768,606	732,413	791,541	895,044	1,026,590	1,045,542	886,475

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				
	May	April	March	February	January
Alabama	32,391	24,902	30,383	31,360	35,709
Alaska	2,314	2,477	3,044	3,099	3,114
Arizona	13,127	13,276	9,360	8,648	11,324
Arkansas	7,400	8,840	10,639	12,428	9,981
California	50,951	52,671	54,168	46,537	62,816
Colorado	4,901	5,839	6,344	5,779	6,740
Connecticut	8,759	8,933	8,418	7,533	10,732
Delaware	5,004	5,527	2,146	1,451	2,994
District of Columbia	--	--	--	--	--
Florida	101,383	98,530	86,030	73,961	80,767
Georgia	27,969	22,113	25,734	25,998	29,304
Hawaii	--	--	--	--	--
Idaho	2,081	1,276	842	414	2,309
Illinois	4,645	5,327	5,834	5,582	6,108
Indiana	9,208	9,311	13,117	13,696	11,783
Iowa	784	686	1,235	1,265	1,328
Kansas	1,023	938	1,100	936	493
Kentucky	3,384	3,317	3,111	5,530	2,290
Louisiana	27,765	24,985	23,542	22,220	21,979
Maine	827	1,051	1,884	1,308	1,888
Maryland	4,496	2,680	1,351	1,245	1,001
Massachusetts	15,150	10,797	7,657	6,206	6,586
Michigan	11,924	10,037	14,332	14,499	13,951
Minnesota	2,180	4,348	4,629	3,452	2,373
Mississippi	26,176	20,019	26,789	30,586	26,571
Missouri	1,538	2,372	2,699	2,927	2,720
Montana	496	79	1,180	784	571
Nebraska	178	240	152	63	184
Nevada	15,544	16,108	13,635	13,405	13,145
New Hampshire	3,865	3,308	3,393	2,236	3,622
New Jersey	24,482	18,113	22,460	17,073	18,699
New Mexico	4,833	6,390	6,301	5,592	6,622
New York	39,074	28,508	39,614	29,201	35,055
North Carolina	23,790	19,169	19,126	20,049	21,918
North Dakota	98	948	270	576	38
Ohio	14,983	13,053	19,926	19,404	19,214
Oklahoma	17,039	16,856	18,835	20,714	20,692
Oregon	7,174	7,467	6,250	4,342	8,153
Pennsylvania	31,152	31,493	34,602	26,471	32,952
Rhode Island	5,728	2,478	3,170	1,702	2,156
South Carolina	10,045	9,328	8,512	7,181	7,267
South Dakota	535	301	66	484	516
Tennessee	6,502	4,480	4,220	6,909	4,748
Texas	122,352	117,283	127,251	113,522	126,489
Utah	4,621	3,864	3,409	3,267	3,937
Vermont	6	*	1	2	5
Virginia	22,131	12,706	18,274	17,648	17,704
Washington	5,976	4,488	4,517	1,860	4,618
West Virginia	1,211	803	358	430	256
Wisconsin	7,223	6,531	8,767	8,744	7,847
Wyoming	68	30	53	23	56
Total	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	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	NA	447,485	436,932	59,324	60,403	NA	NA	NA
Alaska	37,268	36,761	46,949	4,086	3,108	2,633	3,072	3,988
Arizona	NA	245,036	214,898	NA	38,421	32,291	24,820	20,851
Arkansas	NA	205,889	200,050	22,939	25,047	22,265	NA	21,826
California	NA	1,382,195	1,437,911	182,584	166,574	146,739	142,088	136,040
Colorado	229,117	237,064	216,754	21,109	22,094	18,938	23,157	27,332
Connecticut	154,993	163,156	172,886	15,974	16,208	13,394	13,464	16,454
Delaware	NA	72,684	71,980	7,089	7,110	7,140	7,589	NA
District of Columbia	NA	18,818	22,654	1,101	1,117	1,167	1,489	1,648
Florida	911,641	944,158	886,589	139,650	135,780	120,809	122,495	107,141
Georgia	447,642	486,872	471,012	59,361	57,304	52,822	50,027	44,603
Hawaii	NA	2,008	1,974	257	247	NA	248	255
Idaho	69,457	64,229	59,867	6,782	6,933	5,523	6,111	7,593
Illinois	600,705	665,114	672,145	42,077	46,339	43,730	57,043	61,140
Indiana	445,673	490,108	492,240	43,637	45,296	41,219	43,762	49,668
Iowa	234,855	209,686	209,247	24,581	24,394	22,836	24,572	27,089
Kansas	156,630	155,246	157,083	16,882	18,355	15,639	14,487	17,304
Kentucky	154,781	176,054	174,075	15,575	17,223	15,396	16,066	17,081
Louisiana	NA	978,685	898,519	126,228	124,172	NA	117,004	113,317
Maine	29,168	36,991	34,505	3,141	3,377	2,962	2,954	3,381
Maryland	NA	147,103	149,668	11,279	NA	10,641	11,743	12,405
Massachusetts	309,582	290,140	310,673	28,130	27,874	26,598	29,723	35,553
Michigan	540,707	588,804	573,904	43,069	43,975	40,446	51,086	57,184
Minnesota	NA	302,359	284,493	NA	26,024	23,204	26,359	32,951
Mississippi	334,761	359,420	339,952	47,376	49,504	41,066	42,005	36,860
Missouri	NA	173,553	186,375	12,091	13,293	12,126	14,092	14,932
Montana	43,893	42,554	42,226	3,616	3,407	2,972	3,457	4,972
Nebraska	107,881	102,922	104,651	9,994	11,260	9,200	10,743	12,106
Nevada	195,582	204,951	191,716	26,931	27,562	24,326	20,292	18,899
New Hampshire	34,381	38,086	47,605	4,502	3,885	3,554	3,263	5,436
New Jersey	NA	518,513	531,658	NA	NA	NA	40,745	NA
New Mexico	NA	104,184	101,159	10,965	12,396	11,332	10,083	NA
New York	832,245	868,717	947,926	76,123	79,080	72,953	74,650	85,899
North Carolina	NA	355,504	337,933	38,934	NA	35,198	34,282	31,580
North Dakota	41,518	39,735	40,800	3,997	3,417	3,683	4,079	5,142
Ohio	558,501	603,401	675,628	48,683	48,856	45,139	53,262	56,040
Oklahoma	344,730	380,576	363,545	47,379	52,013	43,033	38,437	38,664
Oregon	142,085	142,884	140,473	18,439	16,574	10,503	10,932	13,775
Pennsylvania	665,892	712,754	719,684	71,893	74,340	64,656	61,949	65,923
Rhode Island	NA	57,705	65,155	5,938	6,206	5,592	5,661	6,183
South Carolina	177,313	179,570	179,314	22,359	22,458	20,522	22,232	21,078
South Dakota	49,645	49,225	48,714	5,115	5,330	4,775	5,117	5,695
Tennessee	201,884	214,015	214,919	20,768	21,624	20,620	18,699	21,715
Texas	NA	2,415,703	2,464,742	323,313	336,181	299,291	264,302	251,485
Utah	120,290	132,196	117,893	11,690	11,109	10,630	10,473	13,641
Vermont	NA	7,811	8,172	566	538	NA	686	864
Virginia	NA	362,085	342,063	47,821	NA	46,241	37,484	35,298
Washington	203,534	185,102	176,395	22,305	20,178	15,250	17,704	23,255
West Virginia	NA	57,577	61,130	5,435	NA	5,008	5,159	5,662
Wisconsin	305,236	329,290	313,254	29,149	29,986	24,221	27,338	32,261
Wyoming	53,478	51,350	46,920	4,900	4,778	4,884	6,082	6,648
Total	16,109,978	17,036,030	17,007,014	1,891,599	1,920,165	1,711,478	1,705,180	1,736,823

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			
	March	February	January	Total	December	November	October	September
Alabama	53,279	43,948	51,409	659,864	56,079	50,106	49,477	56,717
Alaska	6,484	5,822	8,075	60,255	7,466	6,557	5,385	4,086
Arizona	16,189	NA	22,430	343,766	20,335	18,967	26,109	33,318
Arkansas	24,387	21,676	24,050	297,218	27,869	24,318	19,922	19,220
California	157,380	171,081	NA	2,113,847	216,061	175,988	167,994	171,608
Colorado	31,027	34,535	50,925	352,463	47,904	29,596	20,877	17,022
Connecticut	25,886	24,263	29,350	242,831	27,063	21,291	16,412	14,910
Delaware	9,106	7,634	8,616	107,383	8,615	8,198	9,230	8,656
District of Columbia	3,403	NA	4,180	27,891	4,219	2,591	1,311	951
Florida	105,368	86,749	93,649	1,362,542	93,316	91,852	110,955	122,262
Georgia	58,888	57,222	67,416	700,464	66,586	51,471	46,219	49,316
Hawaii	272	258	291	3,038	263	253	250	264
Idaho	9,306	11,056	16,153	101,365	14,737	8,337	7,219	6,844
Illinois	109,758	100,673	139,946	1,000,348	147,523	80,751	59,444	47,516
Indiana	73,124	65,058	83,909	728,625	90,269	59,594	44,567	44,086
Iowa	35,498	33,659	42,225	320,541	41,930	27,815	22,290	18,821
Kansas	21,711	21,127	31,124	233,168	31,567	18,581	13,995	13,778
Kentucky	24,733	21,156	27,551	261,248	31,751	21,106	16,727	15,610
Louisiana	117,451	104,332	NA	1,439,894	120,887	112,241	111,923	116,158
Maine	4,674	4,042	4,637	52,516	4,106	3,524	4,123	3,772
Maryland	27,018	22,820	27,771	211,245	26,172	15,446	11,439	11,084
Massachusetts	57,721	48,481	55,503	423,559	50,684	33,424	25,667	23,643
Michigan	102,292	88,531	114,125	868,762	112,282	72,216	53,267	42,195
Minnesota	48,333	47,419	62,079	438,623	55,334	34,918	26,250	19,762
Mississippi	43,665	32,367	41,918	521,948	44,364	34,269	37,327	46,568
Missouri	26,028	NA	39,272	259,072	39,807	19,650	13,076	12,986
Montana	6,750	7,990	10,730	68,928	10,259	6,877	5,219	4,018
Nebraska	15,560	16,929	22,089	157,458	20,406	13,699	10,834	9,596
Nevada	22,090	24,437	31,046	299,327	28,659	22,816	20,953	21,948
New Hampshire	5,036	3,984	4,720	57,735	5,711	5,401	3,615	4,922
New Jersey	NA	67,902	NA	757,432	87,154	54,909	49,529	47,327
New Mexico	NA	12,957	18,057	156,749	17,587	13,080	11,297	10,601
New York	153,476	133,324	156,740	1,270,049	147,632	100,958	77,791	74,952
North Carolina	48,151	42,625	50,928	519,746	51,738	44,370	32,338	35,796
North Dakota	6,814	6,235	8,151	62,448	7,651	5,517	5,295	4,250
Ohio	99,927	91,064	115,529	895,943	113,525	77,125	54,685	47,207
Oklahoma	38,226	36,656	50,322	556,210	52,904	43,200	37,161	42,369
Oregon	17,375	21,849	32,639	231,110	31,907	19,075	17,431	19,812
Pennsylvania	108,677	99,848	118,606	1,071,713	121,309	92,222	74,212	71,216
Rhode Island	9,227	NA	9,000	83,489	8,493	6,360	5,149	5,783
South Carolina	23,788	21,201	23,675	272,617	23,557	26,519	20,473	22,499
South Dakota	7,283	7,087	9,244	74,246	8,862	6,331	5,148	4,679
Tennessee	32,855	29,304	36,300	319,637	40,553	23,357	20,398	21,314
Texas	265,282	NA	NA	3,532,732	294,558	258,950	266,363	297,157
Utah	14,579	18,241	29,926	199,918	27,878	17,127	12,130	10,587
Vermont	1,582	1,400	1,614	11,958	1,619	1,102	831	596
Virginia	53,837	47,673	55,008	526,260	50,171	42,276	31,820	39,908
Washington	29,133	31,855	43,854	293,106	40,128	24,061	21,575	22,240
West Virginia	9,782	8,567	10,577	88,541	10,795	8,018	6,918	5,233
Wisconsin	52,883	47,077	62,320	478,287	61,843	36,772	26,975	23,408
Wyoming	8,104	8,229	9,853	80,100	9,960	7,406	6,322	5,063
Total	2,316,971	2,141,141	2,686,622	25,198,216	2,662,045	1,980,591	1,745,916	1,773,634

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016							
	August	July	June	May	April	March	February	January
Alabama	60,097	61,223	56,711	52,466	45,820	52,215	54,519	64,432
Alaska	3,634	3,397	3,318	3,707	4,272	5,533	5,874	7,028
Arizona	40,454	40,918	36,039	25,987	25,288	21,911	23,758	30,682
Arkansas	26,592	25,943	27,055	22,974	22,241	27,328	24,129	29,627
California	190,464	176,767	164,703	146,670	146,030	162,050	172,679	222,833
Colorado	19,637	21,025	20,069	23,564	30,297	35,470	38,549	48,452
Connecticut	17,231	16,640	14,296	17,097	21,086	21,446	26,676	28,685
Delaware	10,382	10,798	9,073	7,722	8,758	8,687	8,309	8,956
District of Columbia	987	1,004	987	1,436	2,062	2,448	4,765	5,130
Florida	134,016	136,065	127,256	121,405	115,695	107,367	96,619	105,734
Georgia	59,116	60,764	57,406	53,131	52,724	56,927	67,283	79,521
Hawaii	264	255	240	243	255	247	246	258
Idaho	7,173	6,278	5,404	5,639	5,449	9,255	11,151	13,882
Illinois	53,068	56,449	46,522	54,991	76,181	98,281	128,157	151,465
Indiana	48,757	48,937	47,406	52,920	55,396	65,839	78,712	92,141
Iowa	21,521	20,446	19,032	21,153	22,988	28,993	34,695	40,857
Kansas	17,564	16,813	15,453	14,954	15,157	19,308	24,444	31,552
Kentucky	18,069	17,993	16,802	17,186	18,381	24,224	28,577	34,820
Louisiana	122,571	130,304	121,899	122,334	115,393	120,365	115,837	129,982
Maine	5,474	5,155	3,556	4,097	4,055	3,757	4,996	5,901
Maryland	15,857	15,277	9,845	12,600	15,787	19,835	27,049	30,854
Massachusetts	30,399	30,268	27,109	30,052	34,643	39,653	47,203	50,813
Michigan	52,719	47,255	43,617	55,140	79,401	87,022	107,058	116,592
Minnesota	27,732	25,744	23,855	27,544	36,363	43,536	54,422	63,162
Mississippi	48,956	50,799	47,881	43,617	34,142	38,781	45,319	49,925
Missouri	14,852	15,409	15,335	14,512	17,901	21,970	32,646	40,928
Montana	3,839	3,677	3,459	4,293	4,668	6,481	7,104	9,033
Nebraska	11,886	11,227	10,473	9,747	11,195	12,944	15,949	19,501
Nevada	26,364	27,104	26,140	22,855	21,465	23,218	25,222	32,583
New Hampshire	5,502	5,074	3,840	4,370	5,664	3,328	4,402	5,907
New Jersey	59,140	59,150	50,093	48,141	58,178	67,606	80,721	95,484
New Mexico	11,661	12,343	11,140	10,494	11,343	13,081	15,046	19,076
New York	95,705	90,784	77,589	83,696	100,124	115,304	143,887	161,628
North Carolina	42,312	40,518	35,373	34,923	39,678	46,778	55,721	60,201
North Dakota	3,827	3,814	4,143	4,280	4,387	5,592	6,138	7,555
Ohio	51,768	50,330	46,157	49,937	72,611	84,823	114,118	133,657
Oklahoma	48,021	52,062	50,070	44,029	41,202	42,183	44,208	58,800
Oregon	19,938	16,584	14,427	10,822	11,770	19,818	22,413	27,111
Pennsylvania	82,461	80,626	71,845	67,633	78,716	91,685	112,651	127,137
Rhode Island	6,759	7,019	5,980	6,997	6,148	8,445	7,874	8,482
South Carolina	23,460	24,144	20,996	19,709	17,574	21,594	23,832	28,260
South Dakota	5,307	4,926	4,662	5,090	6,126	6,670	7,664	8,779
Tennessee	22,945	22,377	21,877	19,801	20,680	26,742	36,148	43,445
Texas	333,865	329,608	298,713	279,368	269,369	289,161	285,648	329,971
Utah	11,190	12,134	11,679	13,191	16,101	18,045	22,124	27,733
Vermont	575	584	574	663	1,073	1,122	1,490	1,730
Virginia	49,682	48,244	41,500	35,003	31,258	42,234	53,646	60,518
Washington	22,238	19,933	16,680	16,849	16,393	25,567	29,322	38,121
West Virginia	4,606	4,819	5,088	5,714	6,843	8,568	10,036	11,903
Wisconsin	30,261	28,528	26,992	29,433	39,987	49,884	57,711	66,495
Wyoming	5,380	5,217	4,942	5,943	6,294	7,366	7,543	8,665
Total	2,026,278	2,002,753	1,825,301	1,786,119	1,904,613	2,160,690	2,454,291	2,875,986

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015							
	Total	December	November	October	September	August	July	June
Alabama	642,529	54,982	51,040	49,489	50,086	54,599	56,806	53,287
Alaska	72,126	8,211	7,225	5,306	4,434	3,876	3,917	4,014
Arizona	336,030	30,504	25,860	29,432	35,335	42,348	38,149	35,407
Arkansas	275,572	23,306	19,044	14,998	18,174	22,088	22,239	19,362
California	2,238,223	233,993	194,636	184,678	187,006	195,602	189,714	174,388
Colorado	347,174	49,125	40,204	22,353	18,738	18,748	18,580	17,982
Connecticut	248,963	23,073	19,714	17,381	15,909	17,632	16,781	14,703
Delaware	101,567	7,574	6,888	7,037	8,088	8,401	9,035	7,777
District of Columbia	31,419	3,136	2,624	1,865	1,141	1,101	1,044	1,143
Florida	1,328,705	104,960	105,544	113,800	117,812	125,213	123,817	118,863
Georgia	687,008	58,304	55,942	52,525	49,225	54,749	58,833	52,162
Hawaii	2,922	250	227	239	232	239	242	244
Idaho	99,702	13,922	11,402	7,669	6,841	7,023	6,406	7,050
Illinois	966,363	107,941	85,107	57,688	43,482	42,179	45,902	42,018
Indiana	711,191	72,029	59,397	47,886	39,639	42,240	43,055	41,480
Iowa	306,899	32,790	25,330	21,501	18,031	18,721	19,398	18,390
Kansas	231,220	26,841	26,841	14,377	13,711	16,449	17,013	13,538
Kentucky	253,219	22,930	22,360	18,414	15,439	15,667	16,776	14,264
Louisiana	1,359,221	123,166	116,055	112,583	108,898	117,620	117,126	112,809
Maine	51,778	4,287	4,387	4,935	3,664	3,887	3,233	2,782
Maryland	207,816	18,802	16,636	12,836	9,873	10,485	12,444	10,299
Massachusetts	433,991	35,848	31,121	30,340	26,010	32,327	31,968	24,702
Michigan	818,159	84,766	69,425	53,762	36,302	36,156	38,035	36,079
Minnesota	421,158	51,440	35,555	26,927	22,743	22,035	22,278	20,335
Mississippi	495,596	40,301	39,572	37,262	38,510	43,315	45,994	43,684
Missouri	261,286	29,348	20,880	12,965	11,718	13,856	14,620	12,508
Montana	66,892	9,354	7,757	4,598	2,957	3,616	2,777	2,995
Nebraska	154,040	17,031	13,642	10,124	8,592	9,676	10,980	9,350
Nevada	295,435	31,266	24,391	23,259	24,802	27,596	25,168	26,234
New Hampshire	68,596	5,388	6,039	4,639	4,925	5,571	5,202	4,693
New Jersey	739,413	62,020	55,589	45,099	45,046	45,019	47,893	41,009
New Mexico	154,611	18,986	14,137	10,476	9,852	12,012	11,096	10,345
New York	1,321,405	110,651	97,650	85,801	79,377	85,551	84,611	71,536
North Carolina	494,236	42,741	42,679	35,315	35,567	36,748	37,444	38,410
North Dakota	61,077	6,048	5,320	4,572	4,337	4,167	3,661	3,428
Ohio	936,649	87,464	73,041	55,112	45,403	47,860	49,234	48,812
Oklahoma	540,782	55,967	47,163	36,072	38,036	44,244	45,294	37,710
Oregon	230,032	28,028	24,915	18,501	18,115	17,525	18,144	16,432
Pennsylvania	1,038,320	93,466	84,267	76,095	64,808	71,126	71,941	64,046
Rhode Island	90,780	6,913	7,621	6,244	4,847	8,366	8,236	7,608
South Carolina	273,217	24,814	25,796	22,709	20,583	22,520	23,633	23,246
South Dakota	72,407	8,056	6,566	4,755	4,316	4,873	5,033	4,836
Tennessee	305,050	28,915	24,195	18,780	18,242	17,834	19,253	19,184
Texas	3,621,488	313,833	271,193	278,831	292,889	334,353	330,573	292,544
Utah	188,297	28,205	21,114	10,838	10,247	11,740	11,431	11,926
Vermont	11,814	1,173	1,028	876	566	544	587	569
Virginia	484,836	44,426	36,525	27,441	34,381	37,663	40,618	37,862
Washington	295,715	36,997	34,844	25,415	22,065	20,291	21,691	20,046
West Virginia	86,566	7,403	6,870	6,216	4,947	4,925	5,148	4,761
Wisconsin	454,356	49,559	38,829	29,255	23,459	23,143	24,913	22,226
Wyoming	73,433	9,372	7,474	5,109	4,558	4,418	4,709	4,830
Total	24,989,285	2,389,902	2,064,029	1,804,380	1,723,960	1,867,936	1,882,675	1,723,906

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015				
	May	April	March	February	January
Alabama	50,458	42,260	52,388	60,953	66,181
Alaska	4,742	5,893	7,926	7,753	8,828
Arizona	18,984	19,730	17,365	17,872	25,044
Arkansas	17,770	20,688	28,737	35,279	33,888
California	162,529	164,979	168,835	165,799	216,065
Colorado	21,759	24,301	31,835	37,360	46,190
Connecticut	15,300	20,226	27,426	28,813	32,005
Delaware	8,534	10,089	8,898	8,576	10,671
District of Columbia	1,250	1,942	4,299	5,596	6,278
Florida	114,992	112,873	101,420	90,983	98,429
Georgia	48,174	43,196	57,083	76,170	80,644
Hawaii	228	254	252	237	278
Idaho	6,441	6,581	6,953	7,453	11,961
Illinois	46,823	67,860	112,156	158,444	156,762
Indiana	45,248	52,110	77,653	96,065	94,388
Iowa	19,485	21,863	30,483	40,491	40,417
Kansas	13,073	14,411	21,436	29,406	31,757
Kentucky	14,583	17,071	25,999	36,558	33,156
Louisiana	111,508	105,050	107,330	108,488	118,589
Maine	3,029	4,061	5,879	5,345	6,290
Maryland	10,812	13,763	25,471	33,570	32,824
Massachusetts	26,798	32,698	48,538	56,909	56,732
Michigan	41,295	60,297	98,500	133,779	129,763
Minnesota	21,246	32,486	46,463	60,511	59,139
Mississippi	37,611	31,832	41,983	48,835	46,698
Missouri	11,082	18,030	33,837	42,310	40,132
Montana	4,065	4,610	6,990	7,852	9,322
Nebraska	9,783	10,964	13,898	19,657	20,344
Nevada	21,097	22,535	21,303	22,056	25,728
New Hampshire	5,019	5,347	6,981	6,673	8,118
New Jersey	44,959	59,283	91,613	101,480	100,401
New Mexico	9,324	11,408	13,473	15,205	18,296
New York	79,062	94,938	165,966	180,721	185,541
North Carolina	35,730	33,961	41,790	56,908	56,943
North Dakota	3,961	5,012	5,980	7,547	7,045
Ohio	51,753	71,031	120,107	144,778	142,053
Oklahoma	36,866	37,061	46,515	56,194	59,662
Oregon	14,732	17,588	16,876	15,831	23,345
Pennsylvania	61,527	76,893	115,060	128,927	130,164
Rhode Island	7,399	5,631	9,183	9,167	9,565
South Carolina	19,169	19,143	21,614	24,316	25,674
South Dakota	5,065	5,462	6,249	8,383	8,814
Tennessee	19,164	19,711	29,718	47,266	42,787
Texas	274,677	271,023	315,617	297,837	348,119
Utah	13,020	14,525	14,704	17,202	23,346
Vermont	500	895	1,493	1,748	1,836
Virginia	34,839	29,204	47,104	58,062	56,711
Washington	18,051	20,853	23,430	21,525	30,508
West Virginia	4,884	6,421	10,777	12,611	11,602
Wisconsin	24,965	33,066	50,434	68,372	66,135
Wyoming	5,393	5,824	6,520	6,818	8,407
Total	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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	3.93	3.23	4.03	3.90	4.02	3.96	3.92	3.65
Alaska	NA	6.60	6.70	5.83	5.76	5.69	6.02	6.96
Arizona	4.35	3.83	4.60	4.01	4.14	4.14	3.75	3.98
Arkansas	4.89	4.23	4.88	6.67	6.72	6.85	5.73	5.83
California	3.50	2.66	3.35	3.22	3.47	3.55	3.38	3.31
Colorado	3.97	3.34	4.29	4.65	5.09	4.68	3.98	3.66
Connecticut	4.69	3.52	4.19	5.79	6.08	6.58	5.85	4.97
Delaware	NA	4.92	5.85	NA	10.42	9.94	7.65	NA
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	3.74	5.17	NA	NA	NA	NA	NA
Georgia	4.26	3.45	3.90	4.07	4.21	4.28	4.22	4.29
Hawaii	16.29	13.60	19.70	17.63	16.17	15.06	16.46	16.05
Idaho	3.07	3.21	4.32	2.41	2.47	3.29	3.04	2.71
Illinois	NA	3.19	3.96	NA	3.76	NA	3.48	4.15
Indiana	3.99	3.41	4.17	4.74	4.97	4.87	4.28	4.25
Iowa	NA	3.60	4.48	3.87	4.08	4.34	NA	NA
Kansas	4.60	3.83	4.75	5.72	5.37	6.24	5.86	4.81
Kentucky	NA	3.19	4.11	3.41	3.59	3.73	NA	4.46
Louisiana	3.33	3.42	3.53	2.84	2.97	2.94	3.08	3.12
Maine	6.43	6.74	9.63	6.09	7.67	5.46	5.00	5.30
Maryland	4.90	4.06	5.07	6.85	6.87	7.29	6.23	6.06
Massachusetts	5.21	4.29	5.92	9.24	9.61	9.04	6.38	5.46
Michigan	3.63	3.57	4.37	3.09	3.10	3.35	3.43	3.78
Minnesota	4.08	3.51	4.65	4.33	4.46	4.49	3.80	3.51
Mississippi	4.47	3.48	3.90	4.62	4.68	4.78	4.59	3.95
Missouri	4.85	4.05	4.83	7.68	7.26	7.15	5.86	5.15
Montana	3.37	3.04	4.11	3.41	2.90	3.30	3.61	3.47
Nebraska	NA	3.71	4.58	NA	NA	NA	NA	NA
Nevada	4.35	3.51	4.44	4.39	4.50	4.52	4.13	4.40
New Hampshire	NA	5.53	8.55	7.41	8.42	NA	5.50	4.64
New Jersey	4.45	3.88	5.02	4.37	4.61	4.73	4.56	4.26
New Mexico	NA	2.76	3.59	3.60	3.59	3.61	3.43	3.31
New York	4.26	3.40	4.15	7.11	7.39	7.18	6.00	4.23
North Carolina	4.19	3.26	4.00	5.41	5.83	5.87	5.28	4.91
North Dakota	4.28	3.59	4.59	4.03	3.92	4.35	3.99	4.11
Ohio	NA	3.18	4.61	2.12	NA	NA	NA	NA
Oklahoma	NA	3.83	4.66	5.95	NA	5.90	5.44	4.64
Oregon	4.01	4.16	4.99	5.97	5.71	5.29	4.56	3.90
Pennsylvania	NA	3.58	4.43	NA	7.30	6.85	5.37	5.07
Rhode Island	2.22	2.19	3.43	2.34	2.37	2.41	2.36	2.30
South Carolina	NA	3.44	4.07	3.99	4.11	4.23	4.27	4.45
South Dakota	4.17	3.38	4.14	4.36	4.40	4.60	3.77	3.90
Tennessee	4.18	3.20	4.23	4.17	4.47	4.28	4.18	4.36
Texas	4.71	3.67	4.23	4.09	4.19	4.28	4.59	4.43
Utah	5.24	5.22	5.92	3.70	3.69	4.90	4.79	4.78
Vermont	NA	5.37	6.77	4.44	4.31	4.74	4.69	5.26
Virginia	NA	3.91	5.00	NA	NA	NA	NA	5.59
Washington	NA	3.49	4.88	4.78	4.21	4.43	4.26	3.64
West Virginia	NA	3.43	4.09	NA	NA	6.40	4.87	4.26
Wisconsin	4.32	3.66	4.90	4.55	4.82	5.26	4.24	4.08
Wyoming	3.97	3.40	4.61	3.82	3.98	3.79	3.24	3.71
Total	4.21	3.54	4.42	4.55	4.67	4.78	4.39	4.17

See footnotes at end of table.

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

State	2017				2016			
	March	February	January	Total	December	November	October	September
Alabama	3.59	4.23	4.13	3.44	3.78	3.85	4.20	3.89
Alaska	7.42	7.54	NA	6.79	7.29	6.82	7.10	6.58
Arizona	4.95	4.71	4.37	4.07	4.74	4.91	4.09	3.92
Arkansas	4.35	4.37	4.17	4.29	3.83	4.37	6.02	5.69
California	3.15	3.59	3.87	2.96	3.64	3.30	3.51	3.56
Colorado	3.65	3.91	3.92	3.56	3.61	3.88	4.73	5.27
Connecticut	3.53	4.45	4.45	3.57	3.90	3.31	3.13	4.29
Delaware	4.26	4.62	4.34	4.91	4.28	4.17	6.15	8.20
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	NA	NA	4.04	5.47	4.92	4.45	4.13
Georgia	3.72	4.43	4.69	3.67	4.08	4.04	4.26	4.30
Hawaii	17.38	16.20	15.34	13.81	14.75	12.93	15.07	14.06
Idaho	3.31	3.14	3.17	3.21	3.16	3.29	3.18	3.29
Illinois	4.06	3.56	3.95	3.38	3.63	3.38	4.25	5.19
Indiana	3.72	3.89	3.81	3.58	3.84	3.63	4.26	4.80
Iowa	4.08	4.42	4.51	3.77	4.04	4.14	4.18	4.47
Kansas	3.99	4.18	4.24	4.02	3.75	4.43	6.27	6.65
Kentucky	NA	4.19	NA	3.35	3.77	3.53	3.63	3.45
Louisiana	3.31	3.81	3.91	3.65	4.18	4.23	3.98	4.07
Maine	5.54	7.58	7.36	6.41	6.33	6.25	4.23	5.17
Maryland	4.05	4.69	4.43	4.18	3.96	4.20	5.42	7.54
Massachusetts	4.06	4.53	4.66	4.49	4.61	4.16	5.36	8.26
Michigan	3.48	3.71	3.84	3.57	3.54	3.65	3.53	3.35
Minnesota	3.77	4.23	4.30	3.71	4.05	4.17	3.71	4.38
Mississippi	3.88	4.20	5.02	3.78	4.77	4.14	4.17	3.90
Missouri	4.07	4.45	4.21	4.22	3.96	4.31	6.21	6.64
Montana	3.54	3.56	3.14	3.05	2.87	3.17	3.33	3.45
Nebraska	NA	NA	4.34	3.75	3.67	3.99	4.19	3.65
Nevada	4.05	4.34	4.46	3.73	4.18	3.70	4.10	4.45
New Hampshire	4.37	NA	NA	5.30	5.32	4.60	3.80	5.34
New Jersey	4.32	4.48	4.52	3.93	4.14	3.94	3.75	4.02
New Mexico	NA	3.82	3.93	3.05	3.77	3.22	3.62	3.46
New York	3.27	3.64	3.85	3.57	3.85	3.42	3.61	6.30
North Carolina	3.36	3.72	3.87	3.44	3.72	3.33	4.43	4.76
North Dakota	3.88	4.53	4.58	3.88	4.10	4.64	4.51	4.52
Ohio	NA	4.41	4.02	3.27	3.62	3.43	3.09	2.43
Oklahoma	4.22	4.26	4.46	3.98	4.04	4.00	5.03	5.29
Oregon	3.59	3.59	3.69	4.15	3.77	4.03	4.40	5.96
Pennsylvania	3.86	4.20	4.07	3.72	3.72	4.08	3.98	5.92
Rhode Island	2.20	2.18	2.12	2.12	1.99	1.96	1.96	2.01
South Carolina	3.96	4.40	NA	3.64	4.44	3.66	4.01	3.94
South Dakota	3.79	4.38	4.35	3.65	3.92	4.25	4.20	4.73
Tennessee	3.91	4.16	4.24	3.42	3.73	3.90	4.26	3.99
Texas	4.85	5.14	5.28	4.09	5.36	5.10	4.93	4.16
Utah	5.94	5.97	5.37	5.15	5.35	5.00	4.82	3.86
Vermont	4.98	5.69	NA	5.13	5.11	4.74	4.08	4.21
Virginia	3.98	4.07	3.90	3.99	3.68	3.87	5.37	6.50
Washington	3.04	3.47	NA	3.66	3.58	4.14	4.20	4.85
West Virginia	3.32	3.68	3.63	3.46	3.30	3.45	3.73	5.14
Wisconsin	3.82	4.39	4.46	3.81	3.88	4.23	4.37	4.93
Wyoming	3.89	4.23	4.27	3.53	4.00	3.48	3.76	3.46
Total	3.83	4.13	4.21	3.71	3.96	3.90	4.19	4.60

See footnotes at end of table.

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

State	2016							
	August	July	June	May	April	March	February	January
Alabama	3.89	3.89	3.34	2.99	2.90	3.00	3.18	3.22
Alaska	6.19	6.12	6.03	6.21	6.37	6.72	6.85	6.93
Arizona	3.86	4.05	3.31	2.77	3.03	4.85	4.60	3.64
Arkansas	6.22	6.68	6.16	4.79	4.60	4.53	3.76	3.43
California	3.29	3.34	2.52	2.49	2.25	2.30	2.65	2.72
Colorado	4.81	5.16	4.22	3.25	2.78	3.43	3.23	3.09
Connecticut	4.20	4.69	4.58	3.85	3.20	3.09	3.45	3.27
Delaware	8.50	8.77	8.53	6.24	5.03	4.70	3.84	3.81
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.92	3.93	3.46	3.50	3.37	3.83	3.95	3.86
Georgia	4.01	4.32	3.44	3.37	3.19	3.21	3.25	3.35
Hawaii	13.33	13.54	17.26	16.20	14.19	13.19	10.52	10.93
Idaho	2.69	2.62	2.52	3.22	2.79	3.67	3.47	3.20
Illinois	4.66	4.25	3.72	3.10	3.39	3.33	2.79	3.12
Indiana	4.92	5.25	4.38	3.27	2.93	3.48	3.27	3.28
Iowa	3.91	3.94	3.67	3.01	3.46	3.70	3.57	3.61
Kansas	5.63	5.33	5.57	4.41	4.27	3.52	3.25	3.25
Kentucky	3.26	3.47	2.85	2.85	2.97	3.26	3.26	3.24
Louisiana	3.85	4.00	3.16	2.99	3.03	3.32	3.49	3.51
Maine	4.64	5.30	5.40	3.83	3.57	7.53	8.85	7.76
Maryland	7.65	8.57	7.14	4.57	3.89	4.34	3.52	3.30
Massachusetts	6.95	7.49	5.90	4.72	3.94	3.40	4.30	3.93
Michigan	3.08	3.19	2.76	2.87	2.91	3.90	3.84	3.80
Minnesota	4.28	3.88	3.49	2.98	2.94	3.77	3.65	3.43
Mississippi	3.79	4.04	3.46	3.19	3.36	3.18	3.85	3.28
Missouri	6.96	7.08	5.58	5.16	4.50	3.85	3.43	3.32
Montana	3.34	3.65	2.50	2.28	2.42	3.03	3.43	3.23
Nebraska	3.90	4.44	3.17	3.00	3.14	4.16	3.80	3.65
Nevada	4.76	4.50	3.74	3.19	3.16	3.18	3.56	3.38
New Hampshire	4.73	6.79	5.79	3.87	2.72	3.57	7.03	7.02
New Jersey	3.75	3.92	3.91	3.80	3.81	3.98	3.94	3.84
New Mexico	3.39	3.50	2.89	2.43	2.23	2.75	2.80	2.72
New York	6.85	6.58	5.65	4.26	3.03	2.84	2.92	2.62
North Carolina	4.83	5.28	4.38	3.71	3.21	3.10	2.87	2.98
North Dakota	4.18	4.36	2.83	2.71	2.97	3.65	3.84	3.76
Ohio	2.56	2.69	2.46	2.61	2.41	3.09	3.55	3.60
Oklahoma	5.39	5.51	4.77	3.83	3.73	3.58	3.69	3.62
Oregon	5.33	5.85	5.18	4.65	4.15	3.63	3.96	3.71
Pennsylvania	5.57	6.55	6.36	4.35	3.28	3.98	3.18	3.04
Rhode Island	2.03	2.06	2.05	2.09	2.14	2.22	2.24	2.23
South Carolina	3.75	3.87	3.43	3.08	3.37	3.41	3.27	3.42
South Dakota	4.82	4.47	3.06	2.28	2.47	3.40	3.49	3.65
Tennessee	3.64	3.88	3.19	3.01	2.97	3.11	3.14	3.21
Texas	4.00	3.94	3.41	3.20	3.20	3.60	3.87	3.79
Utah	3.24	3.37	3.58	4.60	4.63	6.06	6.05	5.61
Vermont	4.22	4.01	4.24	4.96	4.85	6.93	5.98	5.52
Virginia	7.04	6.25	6.42	4.38	3.92	3.72	3.31	3.40
Washington	4.35	4.56	3.57	3.85	3.43	3.12	3.63	3.21
West Virginia	5.08	5.59	4.62	3.41	3.18	3.26	3.38	3.13
Wisconsin	4.18	4.36	3.75	3.38	3.11	3.57	3.85	3.62
Wyoming	3.38	3.19	2.56	3.07	3.10	3.47	3.75	3.62
Total	4.33	4.42	3.84	3.44	3.22	3.49	3.48	3.39

See footnotes at end of table.

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

State	2015							
	Total	December	November	October	September	August	July	June
Alabama	3.91	3.27	3.61	3.83	3.81	4.04	3.94	3.96
Alaska	6.57	6.53	6.56	6.11	5.90	5.80	5.60	5.61
Arizona	4.38	3.65	4.42	4.25	4.48	4.53	4.55	4.29
Arkansas	4.77	4.00	4.16	5.63	5.58	6.92	7.11	6.56
California	3.27	3.02	3.08	3.32	3.42	3.55	3.56	3.42
Colorado	3.98	3.07	3.24	4.60	5.60	5.59	5.33	5.20
Connecticut	4.07	3.80	3.36	3.58	4.59	4.45	4.58	4.58
Delaware	5.87	4.98	5.14	6.54	10.35	10.03	10.56	10.05
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.87	4.00	4.84	4.17	4.53	4.44	4.87	5.12
Georgia	3.83	3.51	3.37	3.80	4.14	4.16	4.16	4.23
Hawaii	18.11	14.81	14.92	14.59	15.38	17.72	22.97	25.54
Idaho	3.95	3.34	3.52	3.75	3.67	4.50	4.65	3.99
Illinois	3.82	3.43	3.17	3.61	4.91	4.75	5.12	4.09
Indiana	4.03	3.52	3.62	3.68	4.58	4.82	4.57	4.61
Iowa	4.29	3.79	3.81	3.58	4.62	4.61	4.54	3.63
Kansas	4.59	3.55	3.94	5.53	6.43	5.66	5.39	6.04
Kentucky	3.96	3.85	3.21	3.41	3.34	3.41	3.44	3.97
Louisiana	3.32	2.95	2.62	2.95	3.08	3.28	3.48	3.22
Maine	8.76	8.01	7.52	4.38	5.52	5.39	9.76	7.37
Maryland	5.01	5.19	4.26	4.07	7.19	8.89	7.53	6.67
Massachusetts	5.72	5.42	4.42	4.62	7.59	7.15	7.30	6.25
Michigan	4.23	3.95	3.87	3.65	3.60	3.82	3.82	3.92
Minnesota	4.39	3.65	4.06	3.51	4.49	4.52	4.68	4.29
Mississippi	3.86	4.29	3.02	3.68	3.64	3.82	3.81	3.83
Missouri	4.64	3.48	3.86	5.33	6.73	7.26	7.35	6.97
Montana	3.71	3.25	2.87	3.28	3.10	3.36	3.43	3.24
Nebraska	4.32	3.23	3.83	4.04	4.68	4.16	4.11	3.65
Nevada	4.06	3.15	3.57	4.40	4.38	4.64	4.53	4.15
New Hampshire	7.64	6.40	4.34	3.59	5.90	7.17	7.87	9.74
New Jersey	4.87	4.27	4.30	4.37	5.00	4.84	4.70	4.78
New Mexico	3.32	2.76	2.80	3.34	3.57	3.74	3.64	3.55
New York	4.15	3.56	3.54	4.57	7.12	7.07	7.01	6.26
North Carolina	3.81	3.10	2.79	3.88	4.43	4.68	4.64	4.62
North Dakota	4.46	3.94	4.16	4.58	5.00	4.32	3.56	3.59
Ohio	4.49	3.75	3.45	3.02	2.34	3.04	3.24	3.98
Oklahoma	4.59	3.86	4.22	5.28	5.45	5.43	5.17	4.82
Oregon	4.65	3.72	3.92	5.15	5.19	5.84	6.30	5.36
Pennsylvania	4.38	4.10	4.24	3.79	6.30	6.22	5.85	5.60
Rhode Island	3.14	2.21	2.22	2.24	2.31	2.41	2.52	2.66
South Carolina	3.90	3.48	3.20	3.56	4.01	3.96	3.97	4.07
South Dakota	4.16	4.01	4.19	4.60	4.72	4.44	4.11	3.81
Tennessee	4.06	3.45	3.49	3.80	4.03	4.00	4.12	4.14
Texas	4.19	4.37	3.90	4.17	3.73	3.86	3.94	3.71
Utah	5.70	5.96	4.84	5.49	4.18	3.96	4.34	3.99
Vermont	6.33	5.93	5.08	4.59	5.96	6.34	6.39	7.22
Virginia	4.87	4.36	4.07	4.75	5.61	7.36	7.00	6.62
Washington	4.42	3.46	3.51	4.25	5.08	5.84	5.29	5.24
West Virginia	4.00	3.63	3.57	3.60	4.77	4.72	5.37	4.49
Wisconsin	4.71	3.96	4.21	4.25	5.61	5.95	5.68	5.79
Wyoming	4.36	3.89	3.88	4.09	3.89	3.50	3.06	3.55
Total	4.26	3.75	3.69	4.00	4.56	4.59	4.65	4.44

See footnotes at end of table.

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

State	2015				
	May	April	March	February	January
Alabama	3.84	4.08	4.12	3.89	4.18
Alaska	5.80	6.22	6.86	7.21	7.43
Arizona	3.81	3.95	5.45	5.08	4.52
Arkansas	5.52	6.31	4.87	4.27	4.48
California	2.96	3.13	3.27	3.30	3.58
Colorado	4.22	4.11	4.45	4.24	3.92
Connecticut	4.49	3.28	3.89	4.50	4.26
Delaware	9.71	6.31	4.89	5.29	4.62
District of Columbia	--	--	--	--	--
Florida	4.85	5.24	6.30	5.25	5.33
Georgia	3.93	4.04	3.81	3.56	3.89
Hawaii	22.92	19.95	18.30	17.90	13.58
Idaho	3.81	3.42	4.86	4.66	4.27
Illinois	3.95	3.54	3.81	4.06	3.87
Indiana	4.26	3.55	4.23	4.09	4.23
Iowa	4.32	4.12	4.69	4.26	4.81
Kansas	5.72	3.64	4.35	4.25	5.27
Kentucky	3.78	3.75	4.24	4.04	4.48
Louisiana	3.04	3.08	3.69	3.86	4.15
Maine	7.25	6.30	9.28	11.79	10.83
Maryland	5.94	4.14	4.40	5.60	4.61
Massachusetts	6.74	3.93	4.96	7.43	5.44
Michigan	3.71	3.84	4.38	4.55	4.63
Minnesota	3.66	3.83	5.36	4.69	4.72
Mississippi	3.64	3.46	4.07	3.63	4.37
Missouri	6.51	5.47	4.50	4.24	4.41
Montana	3.56	3.44	4.54	4.34	4.53
Nebraska	4.71	3.93	4.87	4.29	5.19
Nevada	3.89	3.95	4.70	4.79	4.49
New Hampshire	5.52	4.46	6.46	10.71	10.03
New Jersey	4.73	4.48	5.09	5.64	4.66
New Mexico	3.17	3.56	3.77	3.56	3.62
New York	5.72	2.94	3.19	4.43	3.84
North Carolina	4.46	4.05	3.71	3.87	3.90
North Dakota	3.46	4.08	4.85	4.77	5.03
Ohio	4.21	4.51	4.79	4.78	4.83
Oklahoma	4.23	4.34	4.46	4.44	5.21
Oregon	5.37	4.68	4.83	4.84	4.67
Pennsylvania	6.65	4.51	4.28	4.10	4.30
Rhode Island	2.83	3.09	3.59	3.63	3.61
South Carolina	4.09	4.11	4.11	4.02	4.23
South Dakota	3.01	3.21	4.02	4.46	4.57
Tennessee	4.60	3.95	4.32	4.17	4.30
Texas	3.58	3.74	4.17	4.31	4.93
Utah	5.69	5.99	6.40	6.81	6.35
Vermont	8.35	6.55	6.62	6.84	6.59
Virginia	6.69	4.52	4.01	5.33	4.56
Washington	5.10	4.19	4.96	4.89	4.79
West Virginia	4.06	3.62	3.99	4.04	4.13
Wisconsin	4.47	4.10	4.98	4.76	5.01
Wyoming	4.32	4.31	4.67	4.95	5.52
Total	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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	16.04	13.25	13.54	23.31	22.48	21.45	20.87	16.43
Alaska	10.27	9.74	10.03	13.40	13.73	12.79	11.00	10.23
Arizona	NA	15.27	18.02	23.32	22.64	20.40	18.12	16.75
Arkansas	12.75	10.55	11.29	21.40	20.16	18.26	15.66	14.03
California	12.79	11.30	11.49	12.54	12.56	13.16	12.98	12.52
Colorado	8.27	7.23	8.77	13.77	14.69	12.66	9.16	8.03
Connecticut	13.97	12.63	12.22	22.67	22.06	18.84	16.63	13.82
Delaware	12.26	11.33	12.33	24.57	22.77	18.79	15.97	12.03
District of Columbia	NA	10.55	11.95	NA	19.00	17.71	16.99	12.85
Florida	20.56	19.28	18.53	26.45	25.25	23.91	22.09	19.68
Georgia	17.54	13.82	13.89	29.12	29.12	26.53	23.57	18.20
Hawaii	38.45	36.63	41.14	40.28	39.99	37.63	39.21	38.06
Idaho	7.90	8.59	9.02	10.82	11.21	10.41	8.28	7.98
Illinois	NA	7.59	8.05	NA	16.75	15.18	11.01	10.13
Indiana	NA	7.82	9.27	NA	20.05	19.13	11.68	11.66
Iowa	8.93	7.69	8.30	17.45	17.73	15.03	10.88	8.99
Kansas	NA	9.66	10.51	22.95	22.06	19.78	NA	13.06
Kentucky	12.23	9.70	10.64	25.06	24.75	24.23	18.26	13.84
Louisiana	13.17	10.64	10.24	17.42	16.56	15.53	14.99	13.65
Maine	NA	13.74	17.68	NA	NA	17.86	14.97	14.11
Maryland	NA	11.03	11.60	22.15	20.74	NA	16.95	14.99
Massachusetts	13.23	12.11	13.28	15.92	15.43	13.45	13.60	13.19
Michigan	8.57	8.22	9.00	13.70	14.37	13.16	9.83	9.16
Minnesota	8.69	7.94	9.16	13.53	13.49	12.60	9.79	8.52
Mississippi	11.98	9.66	9.25	18.22	17.56	16.25	15.14	12.93
Missouri	11.32	10.37	11.18	27.72	26.48	21.51	15.45	12.34
Montana	7.54	7.23	8.53	11.64	10.99	9.59	8.08	7.51
Nebraska	8.86	7.66	8.85	17.64	16.90	14.24	10.43	8.76
Nevada	8.46	10.65	12.39	14.10	13.23	11.62	10.63	8.99
New Hampshire	13.88	13.70	16.25	25.25	22.46	16.35	14.31	12.22
New Jersey	8.96	7.87	8.13	12.11	11.89	10.31	9.68	8.33
New Mexico	8.85	7.56	8.66	15.40	14.74	12.43	10.19	8.81
New York	11.74	10.67	10.79	18.91	19.01	16.16	14.38	11.04
North Carolina	NA	10.89	10.91	23.35	NA	22.62	19.47	NA
North Dakota	NA	7.30	8.65	20.51	21.86	19.62	NA	7.60
Ohio	NA	8.46	9.25	27.41	26.48	23.74	NA	10.31
Oklahoma	10.97	9.68	9.77	29.02	25.88	21.81	15.88	13.15
Oregon	10.78	12.47	12.73	16.94	15.65	14.51	12.41	11.15
Pennsylvania	NA	9.96	11.02	20.08	19.38	16.82	13.15	11.71
Rhode Island	13.58	13.53	13.94	20.19	19.15	16.38	15.11	13.18
South Carolina	NA	12.09	11.52	NA	24.78	24.43	22.07	17.21
South Dakota	8.07	7.25	8.44	14.72	14.62	12.10	9.12	7.78
Tennessee	10.47	8.62	9.23	19.61	18.95	17.12	14.34	11.11
Texas	13.22	10.71	9.97	23.75	21.25	18.83	17.36	15.84
Utah	8.93	9.05	9.92	11.22	10.88	9.56	8.36	9.15
Vermont	13.60	13.85	14.24	22.20	21.43	17.88	14.90	12.83
Virginia	NA	10.42	11.22	22.75	21.46	19.19	NA	14.00
Washington	10.76	10.72	12.65	16.04	15.37	14.64	12.02	10.66
West Virginia	NA	9.26	10.54	17.47	NA	17.59	11.54	9.53
Wisconsin	8.55	7.99	8.68	14.32	15.04	12.99	8.99	9.03
Wyoming	9.03	8.42	9.61	17.84	17.24	12.39	10.06	9.31
Total	11.05	9.75	10.29	18.09	17.75	15.96	13.18	11.35

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			
	March	February	January	Total	December	November	October	September
Alabama	14.73	14.90	13.70	14.05	14.28	19.09	21.22	21.14
Alaska	9.58	9.62	9.45	9.81	9.51	9.73	10.07	11.34
Arizona	15.26	NA	12.65	15.28	12.70	15.69	18.72	20.81
Arkansas	12.53	11.82	10.41	11.17	10.66	17.46	18.13	18.76
California	12.42	12.67	13.11	11.84	13.08	12.33	13.31	13.26
Colorado	7.91	7.44	6.85	7.35	6.46	7.38	9.71	12.07
Connecticut	12.31	13.19	12.40	12.91	11.73	13.29	16.63	22.19
Delaware	11.30	11.01	10.61	11.88	11.38	13.77	19.82	22.52
District of Columbia	12.22	11.43	11.44	10.90	10.62	13.28	12.53	18.63
Florida	19.34	18.30	17.63	20.27	19.10	23.55	26.53	25.75
Georgia	14.58	14.27	12.87	14.56	11.96	16.02	24.58	26.17
Hawaii	38.69	37.91	36.66	36.48	37.57	34.17	37.56	35.43
Idaho	8.04	7.50	7.20	8.14	7.22	7.37	8.24	9.49
Illinois	7.87	8.32	7.51	7.88	6.74	8.71	12.16	16.72
Indiana	7.73	8.63	7.67	7.92	6.41	8.48	11.92	17.65
Iowa	7.75	8.02	7.65	8.13	6.93	10.22	14.77	16.31
Kansas	10.18	10.00	8.64	9.85	8.62	9.29	18.34	19.96
Kentucky	10.50	10.99	9.33	10.14	8.65	11.45	19.46	22.92
Louisiana	12.80	12.38	10.96	11.32	11.00	14.93	16.22	15.84
Maine	13.03	13.70	13.71	13.82	12.87	13.30	15.75	21.33
Maryland	11.14	12.57	11.64	11.53	10.84	13.22	17.39	20.27
Massachusetts	12.88	13.09	12.89	12.46	13.15	13.27	13.70	14.97
Michigan	7.72	7.93	7.54	8.21	7.35	7.98	9.39	12.85
Minnesota	7.70	8.14	8.13	8.01	7.31	7.98	9.51	13.20
Mississippi	10.73	10.77	10.10	10.06	8.87	13.44	15.88	15.19
Missouri	10.48	9.32	8.27	10.94	9.09	15.25	21.71	24.01
Montana	7.38	7.29	6.73	7.27	6.74	7.37	7.93	10.06
Nebraska	7.92	7.98	7.42	8.01	7.05	10.07	13.31	15.73
Nevada	7.76	7.10	6.96	10.23	7.57	9.70	11.49	13.81
New Hampshire	12.75	13.60	13.26	14.25	14.19	14.97	19.46	24.66
New Jersey	8.67	8.51	8.72	8.30	8.75	9.37	10.25	11.74
New Mexico	7.87	7.97	7.67	8.05	7.64	10.06	12.56	14.49
New York	10.76	10.98	9.81	10.84	9.61	10.95	14.87	17.33
North Carolina	NA	13.85	11.78	11.31	10.61	11.89	18.54	21.70
North Dakota	6.47	6.80	5.94	7.21	5.68	6.96	8.49	16.28
Ohio	7.77	8.19	7.16	9.03	7.80	10.00	18.54	25.79
Oklahoma	10.27	8.77	7.12	10.57	8.37	18.86	24.82	26.09
Oregon	10.83	10.04	9.30	11.67	9.34	11.37	11.81	14.32
Pennsylvania	10.35	10.35	NA	10.18	9.21	10.62	13.58	18.88
Rhode Island	12.79	12.72	12.58	13.80	13.03	14.27	17.92	20.26
South Carolina	11.84	15.11	13.46	12.62	11.62	13.55	22.15	25.25
South Dakota	7.51	7.86	6.93	7.60	6.73	9.58	10.46	13.36
Tennessee	9.75	9.41	8.67	9.21	8.78	12.18	17.97	17.59
Texas	12.44	10.77	9.71	11.73	10.84	18.66	20.34	21.23
Utah	9.18	8.79	8.40	9.12	8.99	9.91	9.23	10.12
Vermont	12.42	12.37	12.69	14.15	13.13	14.31	18.75	22.57
Virginia	NA	12.17	10.49	10.88	10.16	12.69	16.02	20.91
Washington	10.23	10.03	9.75	10.78	10.06	11.05	11.53	13.92
West Virginia	8.45	8.37	8.17	9.26	8.22	8.92	11.65	16.69
Wisconsin	7.49	7.56	8.05	8.07	7.41	8.25	9.19	14.28
Wyoming	8.50	8.08	7.50	8.51	7.32	8.77	10.25	15.68
Total	9.90	10.06	9.38	10.05	9.06	10.77	13.74	16.78

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							
	August	July	June	May	April	March	February	January
Alabama	21.27	20.57	19.31	17.16	14.45	12.16	11.26	12.15
Alaska	12.66	12.98	12.14	10.41	9.63	9.09	8.99	8.87
Arizona	22.42	21.61	19.59	17.54	16.63	18.16	13.91	12.06
Arkansas	18.56	16.74	15.32	13.66	10.84	10.27	9.01	9.49
California	12.82	11.90	11.31	11.45	10.44	10.54	11.46	11.39
Colorado	14.22	13.96	12.46	7.07	6.84	6.68	6.45	6.07
Connecticut	24.07	21.76	19.19	15.04	12.88	11.74	10.67	10.34
Delaware	24.25	21.38	17.57	13.46	11.49	10.26	9.73	10.11
District of Columbia	19.25	17.60	14.70	12.03	10.10	10.27	9.12	9.53
Florida	26.80	26.17	23.35	21.72	20.29	17.88	15.31	16.52
Georgia	25.18	25.15	23.87	19.44	15.76	12.50	10.56	10.40
Hawaii	34.94	34.84	42.65	39.99	36.94	37.08	33.73	33.45
Idaho	10.16	9.88	9.80	9.21	8.94	8.79	8.23	8.00
Illinois	17.33	16.49	12.62	10.48	7.53	7.08	6.30	5.83
Indiana	18.47	18.89	16.47	10.09	7.76	8.07	6.41	6.01
Iowa	17.64	16.05	13.28	8.74	7.53	7.33	6.52	6.53
Kansas	21.74	20.13	18.92	13.42	11.08	9.43	7.89	7.27
Kentucky	24.45	23.07	20.15	14.84	10.32	8.75	7.61	7.85
Louisiana	16.62	15.93	13.87	13.13	11.10	10.30	8.52	9.23
Maine	22.79	21.88	17.99	13.46	12.56	12.97	13.07	13.19
Maryland	20.97	19.83	15.79	12.44	11.30	10.85	9.30	9.78
Massachusetts	15.22	14.42	12.73	12.35	11.91	11.60	11.97	11.88
Michigan	14.65	13.51	13.02	9.65	7.84	7.82	7.61	7.29
Minnesota	13.37	13.50	11.71	9.87	7.62	7.66	7.12	7.05
Mississippi	15.99	15.67	13.92	12.95	10.76	9.02	7.96	8.43
Missouri	26.41	24.86	19.73	15.60	11.32	9.32	8.13	7.99
Montana	11.11	10.33	8.36	7.19	6.77	7.02	6.90	6.81
Nebraska	16.13	15.03	12.37	9.25	7.63	7.02	6.52	6.45
Nevada	14.42	14.63	12.99	11.92	11.25	10.84	9.75	9.12
New Hampshire	24.61	23.02	18.19	13.97	12.22	11.76	12.70	14.05
New Jersey	12.12	11.33	10.64	9.37	8.86	8.12	6.79	6.48
New Mexico	15.18	13.85	11.38	8.73	7.48	7.06	6.44	6.35
New York	17.85	16.64	14.69	10.99	9.88	9.65	9.45	10.31
North Carolina	21.26	22.51	19.62	16.42	13.11	12.62	9.06	8.76
North Dakota	20.06	20.50	19.20	9.52	6.90	6.30	5.60	5.49
Ohio	26.95	25.16	19.01	11.57	7.94	7.07	6.37	6.42
Oklahoma	28.99	24.71	19.80	16.73	10.96	8.92	6.81	6.53
Oregon	16.61	16.56	15.90	15.29	13.81	12.08	11.97	10.36
Pennsylvania	19.48	18.34	15.62	11.38	9.91	9.51	8.64	8.75
Rhode Island	20.37	19.20	16.89	14.49	13.42	12.64	12.35	12.73
South Carolina	25.55	26.86	24.09	18.62	15.18	13.47	9.75	9.04
South Dakota	14.15	13.48	11.34	7.74	6.87	7.14	6.59	6.29
Tennessee	18.95	17.12	14.81	12.59	9.53	7.88	7.27	7.40
Texas	22.99	19.53	16.71	16.50	11.75	10.12	7.87	7.85
Utah	10.76	10.67	9.81	8.89	8.96	9.51	8.79	8.59
Vermont	23.02	21.11	18.40	14.26	13.30	12.66	12.53	13.24
Virginia	20.99	19.60	15.27	12.49	10.47	10.04	8.63	9.30
Washington	16.14	15.24	13.58	11.62	10.55	10.34	9.90	9.53
West Virginia	18.41	17.03	15.58	11.72	9.36	8.82	8.31	8.31
Wisconsin	15.04	14.30	10.56	8.63	7.57	7.39	7.24	7.46
Wyoming	16.54	16.97	11.27	8.49	8.24	7.61	7.62	7.33
Total	17.60	16.55	14.43	11.62	9.65	9.19	8.36	8.28

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							
	Total	December	November	October	September	August	July	June
Alabama	14.13	14.47	17.89	19.36	20.73	20.85	20.60	19.60
Alaska	9.64	8.76	8.86	9.40	9.81	11.41	11.66	11.29
Arizona	17.04	12.75	14.57	20.78	23.01	24.01	23.60	21.53
Arkansas	11.58	10.47	13.97	17.62	18.97	19.43	17.75	16.15
California	11.39	11.38	10.31	11.54	11.92	11.86	11.69	11.73
Colorado	8.27	6.48	6.92	9.31	13.17	13.68	14.38	11.28
Connecticut	12.50	11.84	12.53	15.33	21.54	19.36	18.26	17.41
Delaware	12.62	11.09	14.03	18.50	23.22	23.75	21.80	20.74
District of Columbia	11.98	10.25	12.06	15.52	17.40	17.38	16.93	16.63
Florida	19.34	19.22	21.63	23.45	24.50	24.67	24.40	22.66
Georgia	14.62	13.97	14.73	19.81	24.96	24.03	24.71	23.63
Hawaii	40.08	38.28	38.53	37.46	36.41	37.50	45.21	48.71
Idaho	8.59	7.87	7.71	8.90	9.53	10.93	10.69	10.08
Illinois	7.97	6.30	7.13	9.70	15.39	16.41	15.14	13.63
Indiana	8.92	6.93	7.34	9.29	15.25	17.74	17.99	17.88
Iowa	8.51	7.31	8.43	13.18	16.44	17.39	15.71	13.01
Kansas	10.17	7.79	7.97	14.33	19.63	20.73	19.33	17.65
Kentucky	10.87	9.35	10.99	16.11	21.00	22.21	23.11	21.52
Louisiana	10.77	10.76	13.65	14.88	15.65	16.29	15.26	14.79
Maine	16.79	13.17	12.75	15.03	21.77	22.85	20.77	17.13
Maryland	12.03	13.09	12.69	13.48	19.36	19.04	18.40	18.32
Massachusetts	13.02	12.69	11.18	10.75	13.26	13.82	13.29	12.18
Michigan	8.81	7.57	7.91	8.96	13.26	13.57	13.69	12.54
Minnesota	8.79	7.12	7.67	9.27	12.68	12.93	13.22	13.46
Mississippi	9.70	9.70	12.11	13.94	15.36	15.79	14.84	14.40
Missouri	11.60	9.51	13.97	20.52	23.90	25.52	24.26	20.80
Montana	8.21	6.81	7.35	9.01	11.04	11.79	11.68	10.00
Nebraska	8.86	6.83	9.43	13.81	15.57	15.66	14.76	12.18
Nevada	11.82	8.96	10.80	14.95	16.14	16.41	16.72	15.51
New Hampshire	16.18	15.06	14.11	17.88	22.91	22.68	19.23	16.48
New Jersey	8.32	7.80	9.03	10.24	12.30	12.42	11.96	11.35
New Mexico	8.63	6.76	8.27	13.08	14.85	14.92	14.55	11.79
New York	11.20	11.43	12.26	14.24	17.50	17.30	17.09	16.26
North Carolina	11.57	12.87	12.15	14.61	21.77	21.94	21.14	20.97
North Dakota	8.15	5.60	6.56	9.57	16.93	19.37	21.03	17.34
Ohio	9.51	7.41	9.69	15.37	24.33	25.48	23.85	19.97
Oklahoma	10.24	7.34	14.37	23.34	25.17	26.60	23.07	19.17
Oregon	12.49	10.90	12.75	13.61	14.52	17.18	16.28	15.62
Pennsylvania	11.04	9.82	10.53	12.23	18.26	18.56	17.77	15.77
Rhode Island	14.24	13.49	15.48	19.04	21.00	20.94	19.74	17.85
South Carolina	12.62	15.32	14.87	16.32	23.88	22.71	24.58	24.51
South Dakota	8.30	6.63	8.04	10.43	14.36	14.99	14.53	12.35
Tennessee	9.62	9.22	11.74	14.40	17.34	19.64	17.60	16.14
Texas	10.64	9.33	15.52	19.22	20.94	21.12	18.29	16.60
Utah	9.72	8.75	9.22	10.85	10.89	10.84	10.69	9.90
Vermont	14.56	13.84	14.89	18.41	23.16	23.04	21.69	19.41
Virginia	11.64	12.14	11.77	15.88	19.54	21.20	20.34	19.54
Washington	11.81	9.75	9.88	13.01	14.49	17.18	16.99	16.73
West Virginia	10.48	8.86	9.62	12.22	17.56	19.08	19.83	17.05
Wisconsin	8.54	7.46	7.98	8.51	12.94	14.20	13.41	13.24
Wyoming	9.33	7.05	8.44	12.66	15.66	16.07	15.70	11.34
Total	10.38	9.27	10.02	12.60	16.40	16.88	16.28	15.07

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				
	May	April	March	February	January
Alabama	17.89	15.36	12.15	12.21	12.79
Alaska	10.87	10.03	9.68	9.64	9.51
Arizona	19.21	18.94	18.94	18.88	14.36
Arkansas	13.90	11.66	9.98	10.90	10.65
California	11.35	10.93	11.29	11.53	11.68
Colorado	9.25	8.07	8.50	7.97	8.05
Connecticut	14.40	12.54	11.00	11.10	11.67
Delaware	16.05	12.74	11.27	11.33	11.23
District of Columbia	14.34	12.16	11.94	10.50	11.34
Florida	21.30	18.82	16.23	15.98	16.65
Georgia	19.84	15.91	12.21	11.05	11.66
Hawaii	45.31	40.85	39.78	38.87	35.07
Idaho	9.21	8.86	9.12	8.79	8.64
Illinois	11.47	8.42	7.45	6.46	7.30
Indiana	13.44	10.66	9.24	7.55	8.13
Iowa	10.07	8.50	7.75	7.14	7.52
Kansas	14.49	13.64	9.74	8.59	9.19
Kentucky	17.11	12.94	8.96	8.92	9.48
Louisiana	13.38	11.12	8.71	9.09	9.22
Maine	16.58	17.33	17.52	17.45	17.91
Maryland	16.78	11.48	10.71	10.10	11.18
Massachusetts	12.74	12.71	12.44	13.59	14.51
Michigan	10.54	8.89	8.37	8.39	8.61
Minnesota	10.59	8.85	9.45	8.23	8.56
Mississippi	12.92	10.53	8.23	8.25	8.14
Missouri	17.02	12.66	9.26	9.63	9.46
Montana	8.43	8.20	8.01	8.16	8.33
Nebraska	10.32	9.15	7.91	7.89	8.31
Nevada	14.34	13.30	11.84	11.40	10.42
New Hampshire	15.12	15.10	15.33	16.20	17.43
New Jersey	9.56	7.33	7.49	7.82	7.81
New Mexico	9.92	8.92	7.56	7.37	8.05
New York	12.68	10.19	9.34	9.79	10.51
North Carolina	17.62	14.25	10.08	8.93	10.05
North Dakota	10.19	8.59	7.52	7.02	7.85
Ohio	13.51	9.15	7.77	7.54	7.91
Oklahoma	15.76	12.21	7.52	8.07	7.83
Oregon	14.07	11.84	13.30	12.43	11.23
Pennsylvania	13.63	10.81	10.03	10.31	10.53
Rhode Island	15.79	13.88	13.07	12.93	13.23
South Carolina	21.17	16.87	10.64	8.81	10.17
South Dakota	9.18	8.46	8.04	7.58	7.71
Tennessee	14.17	10.41	7.57	8.47	8.72
Texas	15.80	11.62	7.94	7.96	8.65
Utah	9.54	9.98	9.99	10.40	9.44
Vermont	15.81	13.73	13.09	13.00	13.79
Virginia	15.69	11.62	10.17	9.31	10.81
Washington	14.23	12.22	12.06	11.83	11.46
West Virginia	12.88	10.93	9.90	9.79	9.80
Wisconsin	9.38	6.93	8.38	8.11	8.60
Wyoming	9.65	9.49	8.78	8.98	8.77
Total	12.73	10.43	9.28	9.08	9.50

^R Revised data.

^{NA} Not available.

Notes: Geographic coverage is the 50 states and the District of Columbia. Average prices for gas delivered to residential consumers reflect onsystem sales prices, with the following exception: 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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	12.10	10.32	11.12	13.27	13.31	12.98	12.91	12.35
Alaska	8.81	8.06	8.29	9.44	9.73	9.30	8.75	8.62
Arizona	8.74	9.07	11.00	9.42	9.14	8.95	8.88	9.02
Arkansas	8.31	6.99	8.60	9.28	9.31	9.20	8.83	8.60
California	9.05	7.94	8.14	8.32	8.41	8.76	8.70	8.83
Colorado	7.22	6.25	7.90	9.15	9.52	9.00	7.27	6.97
Connecticut	9.44	8.75	8.47	11.17	10.99	10.70	10.75	9.25
Delaware	10.36	9.27	10.68	13.67	13.06	11.92	11.18	10.15
District of Columbia	11.46	9.72	11.25	12.71	12.49	12.88	12.15	11.60
Florida	NA	10.31	10.86	NA	11.06	11.15	11.09	10.95
Georgia	8.97	7.69	8.46	9.98	9.69	9.96	9.77	9.23
Hawaii	29.29	27.08	32.62	30.86	29.57	28.42	29.16	29.15
Idaho	6.75	7.42	7.86	7.15	7.60	7.44	7.11	7.15
Illinois	8.26	6.88	7.34	13.63	12.46	12.55	10.22	9.16
Indiana	NA	6.46	8.08	NA	11.40	11.52	9.09	9.65
Iowa	6.91	5.78	6.60	9.36	9.64	9.05	7.83	6.89
Kansas	NA	8.25	9.20	13.51	13.75	13.21	NA	10.24
Kentucky	9.41	7.56	8.81	13.01	12.18	12.73	11.45	10.45
Louisiana	NA	7.68	8.09	8.76	8.82	8.86	8.84	8.70
Maine	11.33	10.66	15.36	12.77	13.05	11.41	10.93	11.22
Maryland	NA	8.60	9.76	12.46	NA	12.60	12.02	11.77
Massachusetts	NA	9.32	11.26	10.08	10.10	9.11	9.94	NA
Michigan	NA	6.86	7.67	NA	9.12	8.94	7.87	7.26
Minnesota	7.00	6.42	7.75	8.12	7.75	8.14	7.07	6.82
Mississippi	9.08	7.68	7.88	8.90	8.91	8.67	9.06	9.15
Missouri	8.24	7.66	9.12	11.38	11.07	9.84	9.04	8.40
Montana	7.37	7.08	8.40	9.68	9.65	8.85	7.82	7.26
Nebraska	6.48	5.32	6.69	6.74	7.17	6.63	6.68	6.02
Nevada	5.45	7.30	9.04	6.75	6.40	5.90	5.85	5.38
New Hampshire	11.37	10.97	13.95	16.06	15.28	12.45	11.49	10.15
New Jersey	NA	7.58	8.55	9.37	NA	NA	8.84	7.83
New Mexico	6.40	5.39	6.39	7.33	7.46	6.98	6.47	6.09
New York	6.88	6.26	7.00	5.89	6.56	6.80	6.82	6.85
North Carolina	NA	7.47	8.04	9.07	NA	NA	10.59	10.08
North Dakota	6.06	5.33	7.08	7.13	7.63	7.55	6.51	5.66
Ohio	6.41	5.58	6.61	7.91	7.84	7.84	6.86	6.26
Oklahoma	8.27	7.13	7.90	16.26	15.05	13.48	11.55	9.69
Oregon	8.95	9.72	10.62	10.60	10.20	10.35	9.51	9.18
Pennsylvania	NA	8.01	9.55	11.58	11.99	11.65	10.10	NA
Rhode Island	10.95	10.98	11.80	15.73	15.38	13.10	12.02	10.63
South Carolina	9.43	8.09	8.37	8.90	9.09	8.99	8.69	9.71
South Dakota	6.21	5.44	6.52	7.74	7.69	7.47	6.31	5.88
Tennessee	8.83	7.40	8.38	9.75	9.64	9.50	9.22	8.85
Texas	NA	6.44	6.85	8.46	8.27	7.78	NA	7.70
Utah	7.34	7.44	8.19	7.40	7.28	6.83	6.51	7.47
Vermont	NA	6.50	8.34	6.05	6.29	NA	6.94	7.57
Virginia	NA	7.03	8.17	9.31	9.07	9.51	NA	9.60
Washington	NA	8.47	10.41	9.78	9.40	NA	NA	8.20
West Virginia	7.44	7.78	9.12	9.31	9.48	9.42	8.22	7.66
Wisconsin	6.68	6.23	7.02	6.85	7.02	6.68	6.06	6.92
Wyoming	6.97	6.47	7.76	7.45	7.65	7.41	7.12	7.09
Total	7.99	7.13	8.05	8.73	8.90	8.76	8.30	8.08

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			
	March	February	January	Total	December	November	October	September
Alabama	11.66	11.52	11.31	10.65	11.12	12.08	11.82	11.69
Alaska	8.65	8.61	8.70	8.34	8.75	8.68	8.85	8.71
Arizona	8.87	8.26	8.22	8.83	8.03	8.22	8.52	8.64
Arkansas	8.29	8.16	7.63	7.14	7.59	8.63	7.01	6.89
California	9.49	9.35	9.62	8.42	9.96	9.28	9.08	9.16
Colorado	7.09	6.91	6.56	6.42	6.17	6.61	8.00	8.42
Connecticut	8.33	9.52	8.62	8.79	7.92	8.60	9.99	10.64
Delaware	9.97	9.82	9.64	9.58	9.88	10.36	11.42	11.86
District of Columbia	11.58	11.16	9.92	9.88	9.85	11.59	9.37	11.21
Florida	11.02	11.13	10.67	10.42	10.88	10.61	10.64	10.56
Georgia	8.52	8.79	8.19	7.92	7.57	8.78	9.29	9.54
Hawaii	29.62	29.34	28.33	27.02	27.61	25.04	27.71	27.32
Idaho	6.93	6.60	6.33	7.12	6.50	6.49	6.99	7.69
Illinois	7.26	7.61	6.92	7.14	6.45	8.08	9.04	12.31
Indiana	6.90	7.76	7.10	6.55	5.75	7.39	7.35	9.62
Iowa	6.17	6.45	6.46	5.99	5.96	6.48	6.86	7.53
Kansas	9.37	9.22	8.42	8.41	7.64	8.53	11.32	13.59
Kentucky	8.74	8.94	7.83	7.89	7.49	8.94	10.81	11.32
Louisiana	NA	NA	NA	7.92	8.81	8.21	8.47	8.28
Maine	10.82	11.34	11.54	10.63	10.63	10.23	10.47	11.16
Maryland	9.29	10.06	9.62	8.94	8.83	10.06	10.89	11.78
Massachusetts	9.77	9.93	9.79	9.48	10.07	9.98	9.54	9.73
Michigan	6.76	6.82	6.61	6.90	6.56	6.94	7.58	9.02
Minnesota	6.39	6.97	7.11	6.44	6.31	6.28	6.74	7.89
Mississippi	8.89	9.32	9.25	7.80	8.10	8.56	8.10	7.55
Missouri	8.16	7.64	7.28	7.89	7.70	9.20	9.59	9.87
Montana	7.21	7.24	6.70	7.13	6.73	7.29	7.66	9.00
Nebraska	6.38	6.69	6.37	5.45	5.79	5.87	5.77	5.93
Nevada	5.14	5.02	5.09	6.84	5.37	5.78	6.24	6.87
New Hampshire	10.63	11.68	11.26	11.36	11.91	11.98	13.58	16.21
New Jersey	8.95	8.97	9.58	7.93	8.60	9.24	8.78	8.74
New Mexico	5.98	6.42	6.19	5.68	6.05	6.59	6.85	7.35
New York	7.06	7.43	6.74	6.18	6.49	5.96	5.58	5.32
North Carolina	NA	9.94	8.77	7.71	8.36	8.05	7.95	8.19
North Dakota	5.66	6.30	5.73	5.45	5.43	5.60	5.82	6.74
Ohio	5.94	6.17	6.10	5.74	5.68	6.02	7.16	7.24
Oklahoma	8.01	6.97	6.01	7.72	6.86	12.31	14.46	14.76
Oregon	9.03	8.57	8.22	9.30	7.88	9.24	9.24	9.93
Pennsylvania	8.93	8.62	8.36	8.15	7.94	8.31	9.16	11.02
Rhode Island	10.42	10.45	10.02	11.16	10.27	11.48	14.53	16.35
South Carolina	8.63	10.20	10.36	8.42	9.48	9.01	9.02	8.56
South Dakota	5.82	6.48	5.82	5.64	5.72	5.97	6.30	7.16
Tennessee	8.59	8.64	8.42	7.80	8.23	9.06	9.78	9.10
Texas	7.27	7.59	7.48	6.89	7.60	8.25	8.52	8.15
Utah	7.71	7.48	7.29	7.43	7.65	7.50	6.71	6.84
Vermont	7.35	7.61	8.07	6.63	7.48	7.07	6.19	6.33
Virginia	NA	8.75	7.72	7.23	7.55	7.54	7.68	8.67
Washington	8.15	8.16	7.96	8.49	8.14	8.60	8.78	9.45
West Virginia	7.04	6.97	6.92	7.75	7.10	7.50	8.72	9.99
Wisconsin	6.37	6.47	7.05	6.29	6.50	6.47	5.86	6.55
Wyoming	6.96	6.97	6.56	6.54	6.52	6.76	6.85	7.13
Total	7.68	7.90	7.59	7.28	7.27	7.67	7.96	8.27

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							
	August	July	June	May	April	March	February	January
Alabama	11.75	11.61	11.19	10.50	10.51	10.09	9.75	9.86
Alaska	8.78	9.07	8.41	8.00	7.90	7.87	7.87	7.88
Arizona	8.65	8.74	8.73	8.81	9.10	9.77	9.36	8.97
Arkansas	7.16	6.90	7.22	7.11	6.85	7.11	6.74	7.16
California	8.74	8.07	7.43	7.33	7.18	8.16	8.48	8.03
Colorado	9.26	8.36	7.63	6.14	5.96	5.92	5.95	5.79
Connecticut	11.73	11.14	11.81	9.86	9.36	7.92	7.29	7.31
Delaware	12.11	11.50	10.86	10.03	9.33	8.79	8.58	8.75
District of Columbia	11.82	11.64	10.85	9.83	9.83	9.81	8.92	9.12
Florida	10.33	10.31	10.25	10.04	10.12	10.33	10.46	10.54
Georgia	9.58	9.35	8.72	8.38	8.15	7.58	7.22	6.80
Hawaii	25.57	25.24	32.82	30.04	28.09	27.26	23.66	24.18
Idaho	7.64	7.72	7.81	7.71	7.82	7.61	7.22	7.10
Illinois	12.77	12.26	10.93	9.48	6.99	6.51	5.89	5.54
Indiana	10.08	11.13	9.56	7.21	6.42	7.04	5.67	5.34
Iowa	8.14	7.82	7.12	5.81	5.55	5.80	5.40	5.36
Kansas	13.79	12.93	12.48	10.16	8.38	8.96	7.26	6.75
Kentucky	12.03	11.05	10.77	9.19	8.00	7.11	6.39	6.73
Louisiana	8.27	8.22	7.19	7.26	7.12	7.69	7.69	8.02
Maine	10.72	10.37	9.95	9.45	10.15	10.69	11.08	11.27
Maryland	11.49	11.34	9.65	8.11	8.20	8.70	8.02	8.25
Massachusetts	9.80	9.35	8.49	9.22	9.45	9.14	9.50	9.34
Michigan	9.32	8.66	8.51	7.29	6.63	6.64	6.64	6.53
Minnesota	7.80	7.91	7.09	6.41	6.17	6.44	6.25	6.15
Mississippi	7.49	7.61	7.03	7.51	8.04	7.82	7.55	7.93
Missouri	10.46	10.38	9.39	8.55	7.92	7.22	6.94	7.08
Montana	9.13	8.64	7.79	6.97	6.68	6.96	6.91	6.80
Nebraska	6.00	5.31	5.06	4.71	4.98	5.38	5.46	5.40
Nevada	6.89	7.22	7.08	7.04	7.25	7.59	7.48	7.34
New Hampshire	16.40	16.48	13.28	11.22	9.96	9.55	10.47	11.46
New Jersey	8.71	8.68	7.72	7.14	6.79	7.49	7.65	7.75
New Mexico	7.15	6.84	6.05	5.47	5.25	5.20	5.02	5.07
New York	5.29	5.57	5.76	6.02	6.20	6.47	6.69	6.69
North Carolina	8.30	8.77	8.52	8.02	7.78	8.27	6.97	6.64
North Dakota	7.29	7.01	6.68	5.36	4.62	5.20	5.16	5.20
Ohio	8.06	7.50	6.90	6.05	5.26	5.22	5.21	5.22
Oklahoma	15.04	13.81	12.31	10.89	8.09	6.78	5.42	5.39
Oregon	10.74	11.13	11.30	10.79	10.02	9.51	9.38	8.74
Pennsylvania	10.84	11.07	10.64	8.92	8.12	8.22	7.37	7.19
Rhode Island	15.78	15.43	13.58	11.51	10.79	10.32	10.10	10.37
South Carolina	8.48	8.71	7.79	7.43	8.36	8.36	8.12	7.80
South Dakota	7.90	6.98	6.46	5.07	4.94	5.60	5.36	5.04
Tennessee	9.49	8.70	8.30	7.63	7.61	7.03	7.02	6.95
Texas	8.26	7.52	6.73	6.84	6.14	6.17	5.85	5.98
Utah	7.10	7.02	6.84	6.77	7.37	7.91	7.55	7.46
Vermont	5.59	5.87	5.51	6.71	6.60	6.22	7.00	7.14
Virginia	8.40	8.20	7.66	7.17	6.59	7.12	6.62	6.82
Washington	9.87	9.37	9.64	8.09	7.99	8.03	8.63	8.08
West Virginia	10.27	10.14	9.78	9.00	7.89	7.56	7.30	7.24
Wisconsin	6.55	6.98	5.25	5.29	5.97	6.06	6.35	6.58
Wyoming	6.82	6.91	7.02	6.47	6.47	6.48	6.37	6.28
Total	8.30	8.14	7.72	7.32	6.98	7.08	6.86	6.75

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							
	Total	December	November	October	September	August	July	June
Alabama	11.18	10.87	11.62	11.55	11.91	12.09	12.04	11.99
Alaska	8.01	7.54	7.59	7.86	7.21	8.23	8.14	8.62
Arizona	10.53	9.17	9.36	10.15	10.40	10.53	10.68	10.84
Arkansas	8.43	7.43	8.01	7.86	8.44	8.64	8.25	8.36
California	8.04	8.29	7.25	7.75	7.90	7.93	7.74	7.72
Colorado	7.47	6.10	6.40	7.73	9.17	9.33	9.41	8.39
Connecticut	8.60	8.22	8.51	9.57	10.58	9.56	9.33	10.13
Delaware	10.70	9.15	10.82	12.54	13.93	13.86	13.35	12.71
District of Columbia	11.07	9.59	10.81	11.19	11.02	10.71	10.68	11.24
Florida	10.88	11.01	10.79	10.70	11.23	10.98	10.82	11.00
Georgia	8.58	7.88	9.81	8.74	9.47	9.16	9.19	9.10
Hawaii	31.17	28.72	28.13	27.06	28.60	30.45	36.02	38.76
Idaho	7.59	7.10	6.91	7.63	7.98	8.10	8.39	7.97
Illinois	7.29	6.03	6.66	8.26	12.57	12.77	11.61	11.56
Indiana	7.61	6.18	6.07	6.20	8.05	10.79	10.93	11.19
Iowa	6.51	5.70	6.44	6.51	8.11	8.92	8.43	7.31
Kansas	8.87	7.11	7.28	9.43	12.52	12.02	12.47	12.48
Kentucky	8.75	7.69	8.58	9.37	10.49	11.27	11.91	11.47
Louisiana	8.01	7.94	7.74	7.71	7.68	7.79	7.81	7.76
Maine	14.16	11.11	10.30	8.48	11.27	12.08	11.96	11.22
Maryland	9.80	10.23	9.37	9.78	10.88	11.37	10.76	11.50
Massachusetts	10.81	9.99	8.56	7.35	8.52	8.99	8.93	8.34
Michigan	7.51	6.61	6.85	7.48	9.06	9.19	9.33	8.92
Minnesota	7.31	6.12	6.21	6.44	7.74	8.05	8.19	8.88
Mississippi	7.87	7.77	8.03	7.86	7.89	7.72	7.84	7.87
Missouri	9.14	7.87	9.85	11.05	10.74	11.89	11.91	11.17
Montana	8.08	6.81	7.28	8.49	9.68	9.75	9.74	9.11
Nebraska	6.40	5.23	5.55	5.78	6.29	6.11	5.90	5.39
Nevada	8.66	7.37	7.82	8.58	9.10	9.07	9.45	9.64
New Hampshire	13.63	12.39	11.15	12.30	14.76	14.78	13.74	12.55
New Jersey	8.50	8.22	8.64	8.08	8.21	8.76	8.64	8.33
New Mexico	6.32	5.28	6.09	7.67	7.65	7.65	7.52	6.77
New York	6.86	6.78	6.32	6.24	5.96	5.72	6.05	6.80
North Carolina	8.27	9.83	8.40	7.96	9.38	9.04	9.26	9.08
North Dakota	6.62	5.17	5.61	6.11	7.82	8.76	8.63	8.26
Ohio	6.48	5.41	5.90	6.64	7.82	7.84	7.97	7.64
Oklahoma	8.12	6.07	10.65	14.04	14.68	15.01	13.46	12.61
Oregon	10.16	9.43	8.70	10.56	10.50	11.53	11.15	11.35
Pennsylvania	9.32	8.07	8.21	8.80	11.01	11.14	12.00	11.18
Rhode Island	11.99	10.97	12.89	15.76	17.13	17.02	16.64	15.41
South Carolina	8.52	10.24	8.50	8.11	8.43	8.18	8.48	8.53
South Dakota	6.22	5.38	5.37	5.78	7.20	7.28	7.36	6.91
Tennessee	8.46	8.32	8.71	8.92	9.36	9.85	9.34	9.02
Texas	6.92	6.54	7.26	7.68	7.72	7.65	7.52	6.55
Utah	7.97	7.53	7.33	7.33	7.29	7.30	7.26	7.38
Vermont	7.89	7.37	6.65	6.20	6.97	6.91	6.10	6.78
Virginia	8.13	7.94	7.59	8.04	8.93	8.60	8.57	9.14
Washington	9.78	8.09	8.34	10.29	10.55	11.44	11.40	11.06
West Virginia	8.95	7.48	7.77	9.74	11.24	11.64	11.24	12.18
Wisconsin	6.78	6.25	6.47	5.49	6.32	6.58	6.56	6.88
Wyoming	7.43	6.22	6.67	7.18	7.84	7.58	7.77	7.92
Total	7.91	7.23	7.39	7.79	8.43	8.46	8.49	8.52

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				
	May	April	March	February	January
Alabama	11.68	11.70	10.61	10.73	10.88
Alaska	7.85	8.03	8.14	8.43	8.70
Arizona	10.76	10.85	11.41	11.75	10.73
Arkansas	8.30	8.13	8.40	8.93	8.87
California	7.03	7.89	8.70	8.58	8.96
Colorado	7.63	8.18	7.87	7.45	7.68
Connecticut	9.47	8.57	7.61	7.86	8.60
Delaware	11.90	10.60	10.26	10.11	10.19
District of Columbia	11.80	11.78	11.94	10.36	11.16
Florida	10.53	10.58	10.70	11.03	11.15
Georgia	8.69	8.68	8.02	8.15	8.44
Hawaii	36.86	32.56	31.08	30.83	25.72
Idaho	7.91	7.92	7.93	7.77	7.71
Illinois	10.12	7.69	6.82	6.15	6.82
Indiana	10.31	8.89	8.52	6.87	7.49
Iowa	6.48	6.24	6.45	6.23	6.56
Kansas	10.84	10.24	9.02	8.01	8.72
Kentucky	10.90	10.01	7.96	8.18	8.28
Louisiana	7.59	7.70	8.01	8.48	8.69
Maine	13.00	15.39	15.90	16.03	16.45
Maryland	11.27	9.33	9.22	9.38	9.83
Massachusetts	10.24	11.21	10.58	11.99	12.70
Michigan	7.92	7.27	7.35	7.52	7.69
Minnesota	7.35	7.55	8.34	7.16	7.88
Mississippi	7.87	8.01	7.67	7.89	8.06
Missouri	10.38	9.34	8.18	8.70	8.84
Montana	8.23	8.19	8.00	8.20	8.40
Nebraska	5.42	6.24	6.52	6.94	7.65
Nevada	9.64	9.24	8.94	8.82	8.60
New Hampshire	12.26	12.85	13.46	14.33	15.54
New Jersey	7.84	7.31	8.55	8.74	9.05
New Mexico	6.89	6.16	5.78	5.92	6.63
New York	6.65	7.24	7.11	7.18	7.52
North Carolina	8.85	8.27	7.17	7.27	8.28
North Dakota	6.58	6.55	6.76	6.78	7.41
Ohio	7.14	6.50	6.31	6.30	6.55
Oklahoma	11.23	9.20	6.60	7.01	6.95
Oregon	11.17	10.07	10.82	10.52	10.14
Pennsylvania	10.65	9.79	9.12	9.27	9.27
Rhode Island	13.02	11.73	11.13	11.11	11.23
South Carolina	8.08	8.41	7.88	8.18	8.99
South Dakota	6.46	6.36	6.54	6.32	6.48
Tennessee	9.04	8.68	7.33	8.21	8.58
Texas	6.86	6.63	6.39	6.52	7.23
Utah	7.48	8.18	8.51	8.77	8.23
Vermont	8.53	9.02	8.88	8.94	8.93
Virginia	9.08	8.19	7.64	7.66	8.59
Washington	10.65	10.16	10.13	10.15	10.12
West Virginia	10.48	9.34	8.78	8.70	8.69
Wisconsin	5.65	5.21	7.20	7.42	7.53
Wyoming	7.69	7.61	7.87	8.06	7.59
Total	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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	4.40	3.48	4.32	4.02	4.16	4.30	4.27	4.34
Alaska	6.67	5.32	6.87	4.66	4.25	6.72	6.68	6.81
Arizona	NA	5.82	6.96	7.32	NA	6.92	6.37	6.23
Arkansas	6.72	5.59	7.24	7.02	6.74	6.69	6.52	6.80
California	7.30	6.35	6.48	6.39	6.54	6.96	7.00	7.14
Colorado	5.59	4.73	6.04	5.91	6.35	6.08	5.66	5.19
Connecticut	NA	6.14	6.42	6.07	5.94	5.84	6.45	NA
Delaware	NA	8.39	10.03	NA	NA	10.21	9.80	9.06
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.34	5.80	6.56	6.50	6.12	6.21	6.22	6.11
Georgia	4.81	3.88	4.62	4.55	4.49	4.71	4.90	4.79
Hawaii	17.26	15.48	19.85	17.09	16.82	17.29	17.75	17.06
Idaho	4.57	5.45	5.91	4.51	4.52	4.63	4.48	4.61
Illinois	6.31	4.77	5.68	6.51	7.25	6.78	6.86	6.39
Indiana	6.49	4.83	6.95	8.14	7.25	8.09	6.44	7.17
Iowa	NA	4.56	5.47	5.16	5.40	5.48	5.29	5.04
Kansas	4.19	3.60	4.27	3.87	3.91	4.08	4.77	4.68
Kentucky	4.58	3.54	4.70	4.22	4.31	4.52	4.42	4.47
Louisiana	NA	2.82	3.46	3.64	3.71	3.84	3.41	3.23
Maine	NA	7.51	10.32	NA	6.34	6.51	6.61	9.28
Maryland	NA	8.55	9.52	NA	NA	NA	10.65	11.62
Massachusetts	NA	7.27	9.79	7.22	7.42	7.06	NA	8.23
Michigan	6.05	5.76	6.81	6.79	6.52	6.45	6.41	6.15
Minnesota	4.55	4.07	5.22	4.18	4.13	4.43	4.22	4.38
Mississippi	NA	4.19	4.93	4.87	5.11	4.92	4.99	4.69
Missouri	NA	6.15	7.73	NA	6.53	6.22	6.55	6.63
Montana	6.20	5.70	6.77	5.42	6.33	6.17	6.21	5.71
Nebraska	NA	3.95	4.66	4.51	4.46	4.50	4.40	4.39
Nevada	4.83	6.39	8.45	6.02	5.74	5.48	5.15	4.61
New Hampshire	9.07	8.41	11.17	7.58	7.81	7.14	7.98	8.88
New Jersey	NA	6.38	8.23	8.36	7.97	8.53	7.17	6.94
New Mexico	4.46	3.85	4.66	4.42	4.35	4.36	4.29	4.12
New York	NA	5.99	6.84	6.67	NA	NA	7.04	7.67
North Carolina	6.48	5.36	6.52	6.32	6.19	6.11	6.21	6.50
North Dakota	3.04	2.35	3.34	2.83	2.85	2.95	2.82	2.89
Ohio	NA	4.57	5.43	6.32	6.99	7.41	NA	NA
Oklahoma	6.24	7.92	7.46	7.80	8.53	9.30	6.78	7.79
Oregon	5.48	5.72	7.30	5.62	5.53	5.51	5.40	5.41
Pennsylvania	NA	7.13	8.65	9.32	NA	8.94	8.18	8.64
Rhode Island	8.46	8.70	9.27	8.74	8.74	8.43	8.55	8.67
South Carolina	4.97	3.94	4.85	4.61	5.04	4.88	4.75	4.88
South Dakota	5.27	4.65	5.57	5.78	5.76	5.33	5.27	4.64
Tennessee	5.27	4.26	5.31	4.81	4.94	5.10	5.02	5.09
Texas	3.36	2.40	3.05	3.19	3.39	3.51	3.37	3.33
Utah	5.52	5.62	6.10	5.11	5.20	5.04	5.14	5.70
Vermont	5.13	5.13	5.56	4.47	4.51	4.68	4.78	5.04
Virginia	5.17	4.34	5.23	5.27	4.99	5.46	5.09	4.92
Washington	7.44	7.57	9.44	7.42	7.74	7.39	7.52	7.52
West Virginia	NA	2.42	3.30	2.22	2.26	2.22	NA	2.26
Wisconsin	5.40	4.96	5.90	4.55	4.24	4.75	4.69	5.83
Wyoming	NA	3.76	5.43	4.35	4.39	4.24	3.97	4.25
Total	4.23	3.30	4.15	3.83	3.96	4.10	4.08	4.17

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			
	March	February	January	Total	December	November	October	September
Alabama	4.15	4.71	5.12	3.79	4.91	4.33	4.24	4.11
Alaska	6.96	6.99	6.99	5.06	5.21	4.83	4.53	4.45
Arizona	6.01	6.10	6.24	5.79	5.94	5.82	5.61	5.56
Arkansas	6.63	6.69	6.72	5.78	6.59	6.30	5.80	5.76
California	7.65	7.91	8.32	6.79	8.44	7.48	7.27	7.35
Colorado	5.61	5.48	5.37	4.89	4.75	5.02	6.08	6.12
Connecticut	NA	8.11	7.26	6.07	6.07	5.62	5.97	6.06
Delaware	9.56	9.10	8.93	9.02	9.05	10.08	10.32	11.86
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.65	6.60	6.27	5.77	5.59	5.77	6.14	5.34
Georgia	4.34	5.17	5.54	4.10	4.90	4.38	4.44	4.46
Hawaii	17.41	17.83	16.90	15.70	16.57	16.80	15.85	15.65
Idaho	4.56	4.63	4.56	5.19	4.51	4.61	4.63	5.41
Illinois	5.94	6.23	6.20	5.03	5.22	5.83	5.72	6.07
Indiana	5.80	6.20	5.94	4.99	5.28	5.36	5.06	5.90
Iowa	NA	5.12	5.20	4.70	5.15	4.68	4.94	4.96
Kansas	4.96	6.60	6.41	3.69	5.27	4.54	3.63	3.69
Kentucky	4.39	4.95	5.20	3.77	4.49	4.29	4.17	3.99
Louisiana	NA	NA	4.64	3.11	3.80	4.12	3.54	3.37
Maine	9.27	9.35	9.33	7.68	9.37	8.83	5.99	6.23
Maryland	8.59	9.90	9.57	8.80	8.98	9.48	10.70	9.98
Massachusetts	8.12	8.39	8.18	7.40	8.41	8.15	7.11	6.06
Michigan	5.93	6.04	5.81	5.75	5.63	5.55	6.11	6.05
Minnesota	4.41	4.84	5.13	4.19	4.65	4.35	4.28	4.21
Mississippi	NA	NA	5.55	4.35	4.71	4.82	4.59	4.51
Missouri	7.29	NA	7.77	6.29	6.97	6.70	6.04	6.12
Montana	6.47	6.56	6.22	5.68	5.78	5.57	5.47	5.69
Nebraska	NA	5.31	4.80	4.04	4.51	4.25	4.00	4.08
Nevada	4.47	4.38	4.36	5.90	4.60	5.07	5.21	5.88
New Hampshire	9.13	10.27	10.13	8.59	10.11	9.06	7.58	8.06
New Jersey	NA	NA	NA	6.59	7.29	7.24	6.42	6.95
New Mexico	4.48	5.28	4.97	4.18	4.86	4.30	4.72	4.54
New York	7.32	7.28	6.75	5.92	6.11	5.69	5.56	5.30
North Carolina	6.49	6.81	6.82	5.43	6.12	5.46	5.26	5.26
North Dakota	2.67	3.46	3.96	2.62	3.45	2.86	2.91	2.87
Ohio	NA	5.28	5.53	4.81	4.95	5.45	6.07	6.43
Oklahoma	6.47	5.72	4.90	8.04	6.46	10.13	8.57	13.29
Oregon	5.56	5.52	5.37	5.73	5.71	5.82	5.74	5.65
Pennsylvania	7.98	7.88	7.75	7.40	7.75	8.36	8.46	8.65
Rhode Island	8.39	8.34	8.06	8.70	8.00	8.83	9.01	9.16
South Carolina	4.51	5.19	5.84	4.20	5.30	4.77	4.48	4.37
South Dakota	5.07	5.40	5.33	4.78	4.78	4.94	5.09	6.12
Tennessee	5.20	5.79	5.95	4.44	5.31	4.80	4.70	4.49
Texas	2.81	3.43	3.84	2.65	3.35	2.93	3.22	3.15
Utah	5.87	5.98	6.03	5.52	5.89	5.17	4.96	4.93
Vermont	5.34	5.67	6.02	5.20	5.68	5.20	5.13	5.14
Virginia	4.72	5.67	5.43	4.42	4.79	4.46	4.41	4.46
Washington	7.36	7.59	7.20	7.47	7.38	7.24	7.20	7.33
West Virginia	2.46	2.69	2.43	2.43	2.52	2.40	2.52	2.33
Wisconsin	5.34	5.55	6.33	5.05	5.65	5.35	4.64	4.61
Wyoming	4.38	4.53	NA	3.96	4.58	4.64	4.27	3.93
Total	4.03	4.62	4.91	3.52	4.32	3.87	3.88	3.74

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							
	August	July	June	May	April	March	February	January
Alabama	3.82	3.98	3.34	2.97	3.22	3.21	3.66	3.65
Alaska	5.64	5.17	4.58	3.69	6.36	6.75	6.74	4.88
Arizona	5.98	5.81	4.97	5.64	5.70	5.91	6.22	6.51
Arkansas	5.81	5.33	5.21	5.27	5.31	5.83	5.67	5.94
California	6.91	6.30	5.79	5.84	5.70	6.67	6.90	6.56
Colorado	6.31	6.17	5.46	4.25	4.36	4.95	4.50	4.21
Connecticut	6.15	6.17	6.03	6.56	6.82	5.82	5.69	6.08
Delaware	10.24	8.94	8.72	8.57	7.81	8.24	7.93	8.09
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.77	5.45	5.30	5.20	5.72	6.28	6.11	6.36
Georgia	4.35	4.24	3.62	3.58	3.53	3.54	4.04	4.11
Hawaii	16.04	16.51	16.92	15.05	14.45	13.73	14.45	16.17
Idaho	5.46	5.43	5.46	5.44	5.51	5.46	5.46	5.41
Illinois	7.16	6.99	5.49	4.45	4.94	4.74	4.54	4.29
Indiana	6.11	5.89	5.13	4.22	4.52	4.81	4.98	4.47
Iowa	4.33	4.66	4.44	4.07	4.44	4.86	4.36	5.01
Kansas	3.55	3.48	3.31	3.39	3.44	4.29	6.25	6.75
Kentucky	3.67	4.01	2.99	3.36	2.95	3.47	3.80	3.96
Louisiana	3.18	3.41	2.50	2.58	2.51	2.41	2.95	3.09
Maine	5.99	5.58	5.54	5.78	8.46	8.50	8.51	8.45
Maryland	12.51	13.82	9.81	7.36	7.57	8.55	8.46	8.31
Massachusetts	6.33	6.30	6.13	7.25	7.49	7.43	7.78	7.64
Michigan	6.00	6.38	5.98	5.75	5.54	5.57	5.89	5.73
Minnesota	4.19	4.41	3.70	3.60	3.50	3.89	4.35	4.40
Mississippi	4.49	3.87	3.85	3.72	4.00	4.28	4.52	4.59
Missouri	6.36	7.00	6.03	5.53	6.02	6.10	6.28	6.06
Montana	6.35	4.86	6.21	4.85	5.43	5.54	6.30	5.90
Nebraska	3.97	3.67	3.35	3.27	3.77	4.32	4.32	4.41
Nevada	5.80	6.52	6.11	6.00	6.22	6.75	6.66	6.50
New Hampshire	8.21	8.24	7.14	7.48	7.90	7.97	8.96	9.60
New Jersey	7.78	7.74	6.53	5.61	5.14	6.90	6.25	6.44
New Mexico	4.29	3.93	3.50	3.39	3.46	3.76	4.06	4.25
New York	5.70	5.56	5.55	5.72	5.88	6.20	6.24	6.23
North Carolina	5.20	5.15	5.09	5.11	5.33	5.70	5.61	5.34
North Dakota	3.76	3.03	2.13	1.95	2.13	2.14	2.89	2.48
Ohio	6.47	6.76	5.58	5.33	4.25	4.10	4.17	4.36
Oklahoma	12.53	10.45	11.08	9.67	8.54	5.94	5.73	10.52
Oregon	5.72	5.58	5.76	5.72	5.79	5.84	5.78	5.61
Pennsylvania	5.79	9.17	8.04	8.25	6.75	7.24	6.84	7.09
Rhode Island	9.22	8.91	8.76	8.91	8.77	8.40	8.44	8.61
South Carolina	4.24	4.46	3.58	3.56	3.22	3.58	4.21	4.83
South Dakota	6.01	5.20	4.78	4.33	4.10	4.50	4.51	4.83
Tennessee	4.36	4.42	3.68	3.80	3.83	4.28	4.77	4.69
Texas	3.02	2.98	2.16	2.14	2.08	1.88	2.39	2.45
Utah	5.00	5.02	5.10	5.14	5.68	5.97	6.44	6.08
Vermont	5.31	5.61	4.97	5.13	4.93	4.96	5.17	5.14
Virginia	4.55	4.16	4.31	4.08	3.78	4.39	4.48	4.79
Washington	7.77	7.76	8.16	7.33	7.38	7.47	7.72	7.38
West Virginia	2.26	2.30	2.40	2.28	2.17	2.59	2.69	2.47
Wisconsin	4.29	4.65	3.45	3.98	5.06	4.95	5.46	5.76
Wyoming	3.94	3.60	3.66	3.71	3.65	3.68	3.82	3.95
Total	3.59	3.58	2.89	2.90	3.01	3.05	3.64	3.62

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							
	Total	December	November	October	September	August	July	June
Alabama	4.09	3.62	3.46	3.62	3.83	4.06	3.97	4.09
Alaska	6.86	6.84	6.77	6.85	6.83	6.82	6.78	6.84
Arizona	6.78	6.39	6.30	6.32	6.58	6.55	6.76	6.86
Arkansas	6.91	5.64	5.99	6.43	6.44	6.59	6.61	6.09
California	6.41	6.99	5.83	5.94	6.15	6.12	6.08	6.29
Colorado	5.74	4.52	5.20	6.03	6.22	6.65	7.39	6.58
Connecticut	6.35	6.58	5.85	5.75	6.58	5.64	5.86	6.01
Delaware	10.11	8.32	9.62	11.15	11.40	11.38	10.89	9.09
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.43	6.10	6.22	6.30	6.09	6.04	6.70	5.78
Georgia	4.42	3.86	3.76	4.14	4.28	4.38	4.34	4.41
Hawaii	19.03	15.06	17.68	17.99	19.09	19.29	21.57	20.94
Idaho	5.72	5.29	4.83	5.66	5.82	5.98	5.99	5.74
Illinois	5.47	4.65	4.59	5.39	6.19	5.96	6.06	5.94
Indiana	6.36	4.79	4.42	4.27	5.21	5.85	6.29	5.70
Iowa	5.30	4.62	5.28	4.57	6.19	5.13	5.46	4.78
Kansas	4.24	5.61	4.61	4.17	3.90	3.94	3.99	4.08
Kentucky	4.37	3.59	3.45	3.79	3.88	4.06	4.35	4.52
Louisiana	3.33	3.00	2.76	3.16	3.31	3.49	3.46	3.41
Maine	8.95	8.50	8.20	4.56	4.72	4.81	4.68	4.61
Maryland	9.70	10.84	10.90	9.52	8.76	9.99	11.89	12.71
Massachusetts	9.22	8.90	7.31	5.51	6.26	6.91	6.66	6.90
Michigan	6.60	5.78	5.76	6.33	6.75	7.02	6.44	6.78
Minnesota	4.87	4.24	4.13	4.24	4.17	4.68	4.53	4.62
Mississippi	4.72	4.15	4.28	4.24	4.49	3.97	4.52	4.33
Missouri	7.58	6.91	6.97	7.17	7.96	7.29	7.88	7.52
Montana	6.50	5.52	6.14	5.84	6.97	5.90	6.38	4.87
Nebraska	4.56	4.79	4.08	4.12	4.27	4.33	4.27	3.83
Nevada	8.07	6.61	7.12	7.72	8.58	8.16	8.71	9.18
New Hampshire	10.33	9.87	7.53	5.48	5.10	6.05	6.14	7.16
New Jersey	8.09	7.52	7.09	7.34	8.31	8.75	8.19	8.13
New Mexico	4.62	4.26	4.60	4.69	4.70	4.60	4.53	4.44
New York	6.62	6.26	6.01	5.57	5.83	5.33	5.86	6.00
North Carolina	6.34	5.87	5.73	6.04	6.14	5.87	5.95	5.83
North Dakota	3.13	2.88	2.58	2.76	2.81	2.95	3.11	2.90
Ohio	5.35	4.65	4.74	5.61	6.64	6.09	5.40	7.24
Oklahoma	7.51	6.18	7.90	9.90	12.85	8.77	8.63	8.96
Oregon	7.10	6.22	6.31	7.25	7.21	7.23	7.12	7.06
Pennsylvania	8.59	7.62	8.47	8.93	10.37	10.35	10.06	10.21
Rhode Island	9.26	8.22	9.48	9.92	9.79	10.09	9.61	9.38
South Carolina	4.64	4.25	4.09	4.27	4.38	4.59	4.47	4.57
South Dakota	5.34	4.56	4.56	5.13	6.04	5.73	5.71	5.14
Tennessee	5.06	4.58	4.47	4.45	4.63	4.80	4.80	4.87
Texas	2.89	2.38	2.29	2.78	2.95	3.13	3.08	3.04
Utah	5.93	6.01	5.35	5.24	5.30	5.32	5.20	5.72
Vermont	5.50	5.81	5.42	5.58	4.65	4.53	5.90	5.17
Virginia	5.02	4.48	3.95	4.69	4.86	4.56	4.81	5.08
Washington	8.94	7.32	7.92	8.73	9.25	9.35	10.07	9.48
West Virginia	3.12	2.53	2.09	3.16	3.14	3.18	3.17	3.13
Wisconsin	5.65	5.43	5.37	4.69	4.56	4.91	4.54	5.07
Wyoming	5.07	4.01	4.63	4.56	4.75	4.75	4.63	5.20
Total	3.93	3.48	3.28	3.54	3.65	3.79	3.74	3.76

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				
	May	April	March	February	January
Alabama	3.70	4.15	4.70	4.97	4.67
Alaska	6.86	6.70	6.88	7.08	6.97
Arizona	6.54	6.96	7.15	7.51	7.25
Arkansas	6.41	6.84	7.70	7.90	7.88
California	5.51	6.45	6.89	6.77	7.67
Colorado	5.32	5.49	6.20	6.15	6.01
Connecticut	6.18	6.77	5.81	6.52	7.89
Delaware	9.78	9.56	10.20	10.25	9.91
District of Columbia	--	--	--	--	--
Florida	5.88	6.05	6.53	7.12	8.40
Georgia	4.14	4.22	5.02	4.98	5.34
Hawaii	19.68	19.40	18.66	18.33	20.25
Idaho	5.75	5.82	5.90	6.03	6.04
Illinois	5.66	5.75	5.74	5.13	6.02
Indiana	6.14	9.14	7.18	6.69	7.52
Iowa	4.77	4.48	5.69	5.65	6.42
Kansas	4.16	4.43	5.74	5.81	6.97
Kentucky	4.20	4.43	5.13	5.12	5.28
Louisiana	2.95	3.24	3.51	3.69	3.90
Maine	5.50	14.71	15.12	15.22	15.20
Maryland	10.17	8.08	8.81	9.64	10.06
Massachusetts	8.73	9.67	9.60	10.86	11.74
Michigan	6.59	6.21	6.70	6.98	7.06
Minnesota	4.19	4.54	5.82	5.83	5.89
Mississippi	4.43	4.72	5.72	5.46	6.12
Missouri	7.33	7.95	7.79	7.65	7.91
Montana	6.46	6.97	7.22	7.34	8.14
Nebraska	4.13	5.53	5.39	4.34	4.84
Nevada	9.06	8.71	8.32	8.27	7.94
New Hampshire	8.31	10.89	12.09	12.47	14.13
New Jersey	7.82	7.87	7.96	8.26	8.81
New Mexico	4.11	4.52	4.93	5.06	5.84
New York	6.54	7.21	7.21	7.04	7.43
North Carolina	5.67	6.11	6.69	7.52	7.06
North Dakota	2.81	3.01	3.77	3.86	3.92
Ohio	5.71	5.28	5.22	5.44	5.26
Oklahoma	6.31	9.41	6.57	7.40	7.62
Oregon	7.11	7.06	7.52	7.60	7.56
Pennsylvania	9.59	8.25	7.85	8.96	8.74
Rhode Island	9.75	9.20	9.00	9.01	9.12
South Carolina	4.20	4.36	4.96	5.99	5.77
South Dakota	5.50	5.42	5.31	5.52	6.04
Tennessee	4.84	4.99	5.69	5.75	6.18
Texas	2.82	2.88	3.01	3.11	3.38
Utah	5.94	6.50	6.72	6.74	6.65
Vermont	5.23	5.29	5.98	6.25	5.70
Virginia	5.33	5.15	5.32	5.28	5.76
Washington	9.24	9.58	8.94	9.43	9.66
West Virginia	3.10	3.24	3.43	3.31	3.72
Wisconsin	4.42	4.46	6.40	6.67	6.78
Wyoming	5.02	5.36	5.17	5.40	6.48
Total	3.58	3.96	4.46	4.74	4.90

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

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

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

State	2017	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	6.57	5.37	8.09	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	3.72	4.86	W	W	W	W	W
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	4.33	W	3.59
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	2.92	3.58	--	--	--	--	--
Illinois	W	W	W	W	3.23	3.06	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	3.30	2.65	3.52	2.80	2.92	2.67	2.84	2.85
Kansas	3.65	3.31	3.92	3.44	3.22	3.43	4.10	3.88
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	3.79	3.02	W	3.27	3.44	3.25	3.37	3.40
Massachusetts	W	2.88	4.60	2.42	2.58	2.65	3.36	3.24
Michigan	3.31	2.63	W	3.23	3.21	3.24	3.44	3.45
Minnesota	W	W	W	W	W	3.69	3.60	3.40
Mississippi	W	W	W	W	W	W	W	W
Missouri	3.11	W	W	3.11	3.06	3.22	3.40	3.03
Montana	1.96	--	W	1.52	1.52	2.10	2.49	2.22
Nebraska	4.03	3.22	4.14	3.64	3.48	3.51	4.03	4.37
Nevada	3.59	2.82	3.45	3.27	3.29	3.48	3.49	3.74
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.02	2.13	3.53	2.19	2.44	2.42	3.24	3.34
New Mexico	3.61	2.88	3.39	3.50	3.53	3.51	3.69	3.85
New York	3.53	2.66	3.95	2.56	2.75	2.96	3.29	3.39
North Carolina	W	W	W	W	W	W	W	W
North Dakota	5.48	2.50	8.76	6.35	6.14	4.36	4.37	4.42
Ohio	3.13	2.23	2.56	2.76	2.91	3.06	3.22	3.28
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.77	1.88	2.92	2.03	2.27	2.39	3.00	3.00
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	2.47	3.52	--	--	--	--	--
Tennessee	3.07	2.39	2.88	2.86	2.93	3.07	2.96	3.04
Texas	3.16	2.49	3.03	3.03	3.11	3.17	3.29	3.22
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	2.94	3.09	3.10	3.59	3.67
Washington	4.26	W	W	3.62	4.03	5.16	3.85	3.67
West Virginia	W	W	W	W	W	W	W	3.36
Wisconsin	W	W	W	3.16	W	W	W	W
Wyoming	W	9.08	W	W	W	W	W	W
Total	3.54	2.81	3.59	3.27	3.32	3.41	3.62	3.49

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		
	March	February	January	Total	December	November	October	September
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	8.09	8.09	6.65	7.21	6.91	6.86	6.52
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	3.22	4.05	3.27	3.43	3.59
Colorado	W	W	W	W	W	W	W	W
Connecticut	W	5.84	8.10	3.67	5.49	3.34	2.45	2.92
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.02	4.38	4.92	3.86	W	W	W	W
Georgia	W	W	W	3.08	W	3.15	3.59	3.59
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	2.92	4.05	4.66	4.78	3.38
Illinois	W	W	W	2.88	W	W	3.18	3.29
Indiana	W	W	W	W	W	W	W	W
Iowa	4.71	4.85	5.12	2.81	3.83	3.02	3.00	3.00
Kansas	3.52	4.82	4.92	3.48	5.05	3.28	3.96	3.52
Kentucky	W	5.96	W	W	W	W	W	W
Louisiana	W	W	W	2.76	W	W	W	W
Maine	W	W	W	W	W	--	W	W
Maryland	4.90	4.25	5.50	2.97	4.98	3.67	2.75	2.47
Massachusetts	4.37	W	W	3.22	7.03	4.59	3.36	2.97
Michigan	3.16	3.18	3.63	2.81	3.93	2.77	3.19	3.32
Minnesota	3.35	3.49	4.49	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	2.59	3.05	3.43	W	W	W	W	W
Montana	2.09	2.25	2.36	--	--	--	--	--
Nebraska	5.17	6.48	5.61	3.31	4.75	3.17	3.54	3.70
Nevada	3.60	3.80	4.37	3.02	3.77	3.35	3.46	3.39
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.45	3.64	4.06	2.20	4.01	2.45	1.86	1.70
New Mexico	3.27	3.65	4.02	3.07	4.21	3.06	3.30	3.43
New York	4.26	4.54	5.41	2.76	5.47	2.95	1.98	2.18
North Carolina	W	W	W	W	W	W	W	W
North Dakota	5.52	4.80	6.31	2.74	3.58	2.74	3.10	3.07
Ohio	2.93	3.26	3.84	2.36	3.41	2.32	2.30	2.59
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.86	3.21	4.12	1.95	3.52	2.10	1.29	1.51
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	2.50	3.38	3.39
Tennessee	3.00	3.09	3.82	2.61	3.44	2.84	3.15	2.91
Texas	3.02	3.12	3.47	2.67	3.44	2.71	3.24	3.13
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W	W
Washington	3.74	5.57	4.95	W	W	W	W	W
West Virginia	W	W	W	W	5.87	2.83	1.69	1.97
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	10.87	W	4.04	8.29	8.65	12.43	4,893.63	10.24
Total	3.52	3.74	4.32	2.99	4.16	3.14	3.24	3.19

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							
	August	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W	W
Alaska	6.49	6.81	7.10	6.43	6.47	6.34	6.43	6.47
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	3.45	3.48	2.98	W	2.47	2.59	2.85	3.08
Colorado	W	W	W	W	W	W	W	W
Connecticut	3.09	3.13	2.33	2.39	2.74	4.63	5.63	6.12
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	3.95	3.72	3.43	W	W	W	W	W
Georgia	3.33	3.30	3.03	2.44	2.40	2.23	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.89	2.83	2.47	2.41	11.72	2.26	2.25	2.67
Illinois	3.07	3.05	W	2.25	2.24	2.31	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.94	2.83	2.63	2.10	2.61	2.23	2.57	2.96
Kansas	3.53	3.26	3.07	3.15	3.16	2.84	4.22	4.26
Kentucky	W	W	W	W	W	W	3.35	W
Louisiana	W	3.08	2.63	W	W	W	W	W
Maine	W	W	W	W	W	W	W	W
Maryland	2.97	2.94	3.01	2.50	2.40	2.69	5.64	3.59
Massachusetts	3.18	2.86	2.34	2.11	2.99	1.99	3.46	4.73
Michigan	3.12	3.04	2.75	2.28	2.31	2.14	2.37	2.66
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--	--
Nebraska	3.48	3.41	3.32	2.77	2.44	2.34	2.81	3.52
Nevada	3.23	3.38	2.57	2.54	2.40	2.30	2.78	2.98
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	1.92	2.09	2.13	1.95	1.76	1.62	2.83	3.02
New Mexico	3.30	3.31	2.87	2.47	2.69	2.56	2.57	2.91
New York	2.54	2.75	2.38	2.12	2.36	2.22	3.41	3.76
North Carolina	W	W	W	W	W	W	W	W
North Dakota	2.98	2.88	2.63	2.04	2.09	1.90	2.22	2.45
Ohio	2.55	2.80	2.32	2.03	2.01	1.63	2.00	2.20
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	1.68	1.86	1.90	1.65	1.61	1.43	2.33	2.70
Rhode Island	W	2.92	W	2.23	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	2.94	2.87	2.53	2.10	2.07	1.82	2.08	2.57
Tennessee	2.69	2.74	2.37	1.96	1.96	2.05	2.33	2.58
Texas	2.94	2.95	2.62	2.17	2.14	1.91	2.19	2.53
Utah	W	W	W	W	W	W	W	2.81
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	W	3.21	2.00	2.03	2.12	1.92	2.07	2.22
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	5.57	--	17.60	12.15	5.88	4.39	7.69	13.31
Total	3.07	3.07	2.77	2.49	2.52	2.33	2.83	3.17

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							
	Total	December	November	October	September	August	July	June
Alabama	W	W	W	W	W	W	W	W
Alaska	5.40	5.44	5.48	5.45	5.48	5.21	5.19	5.14
Arizona	3.43	W	W	W	W	3.47	3.54	3.47
Arkansas	W	W	W	W	W	W	W	W
California	3.40	2.96	2.95	3.19	3.29	3.53	3.54	3.52
Colorado	3.79	W	W	W	W	W	W	W
Connecticut	4.73	5.06	5.14	3.17	3.08	2.69	2.48	2.19
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	4.41	3.98	3.90	4.31	4.46	4.45	4.43	4.52
Georgia	3.27	W	W	W	3.31	3.36	3.40	3.38
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.89	2.41	2.72	2.92	3.01	2.92	2.85	2.74
Illinois	W	W	W	W	3.12	W	W	3.04
Indiana	W	W	W	W	W	W	W	W
Iowa	3.25	2.60	5.08	2.89	2.99	3.13	3.08	3.08
Kansas	3.95	4.66	4.03	4.88	3.68	3.70	3.52	3.68
Kentucky	W	3.42	2.50	W	W	W	W	W
Louisiana	W	W	W	W	W	3.20	W	W
Maine	W	4.31	W	W	W	W	W	4.06
Maryland	4.06	3.13	3.11	3.05	3.18	4.07	3.73	3.09
Massachusetts	4.33	2.53	3.62	4.31	4.14	3.08	2.57	3.18
Michigan	3.21	2.17	2.57	2.91	3.32	3.40	3.30	3.18
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	2.28	W	W
Nebraska	3.97	3.63	3.37	3.22	3.38	5.08	3.81	3.59
Nevada	3.34	3.00	2.85	3.24	3.30	3.38	3.43	3.43
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.98	1.69	1.81	2.02	2.10	2.23	2.09	2.37
New Mexico	3.21	2.46	2.64	3.11	3.13	3.28	3.86	3.61
New York	3.51	2.96	2.69	2.60	2.51	2.61	2.56	2.71
North Carolina	W	W	W	W	W	W	W	W
North Dakota	8.39	7.20	11.42	8.77	8.75	6.57	11.04	8.41
Ohio	2.42	1.91	2.09	2.17	2.27	2.25	2.30	2.20
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.52	1.55	1.59	1.71	2.00	1.80	2.02	1.83
Rhode Island	3.72	W	3.29	3.74	2.78	2.42	2.40	1.96
South Carolina	W	W	W	W	W	W	W	W
South Dakota	3.31	2.25	2.92	2.90	3.31	4.23	3.78	3.53
Tennessee	2.74	2.33	2.31	2.47	2.61	2.71	2.74	2.75
Texas	2.88	2.22	2.30	2.66	2.88	3.01	3.03	2.98
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	3.55	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	W	1.52	1.91	W	W	1.94	2.07	2.48
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	W	W	3.76	4.45	3.94	W	W	W
Total	3.38	2.72	2.78	3.04	3.20	3.23	3.23	3.25

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				
	May	April	March	February	January
Alabama	W	W	W	W	W
Alaska	4.86	5.47	5.41	5.49	5.95
Arizona	3.73	W	W	W	W
Arkansas	W	W	W	W	W
California	3.45	W	3.50	3.73	W
Colorado	W	W	W	W	W
Connecticut	2.30	2.99	6.91	12.82	8.77
Delaware	--	--	--	--	--
District of Columbia	--	--	--	--	--
Florida	W	W	W	4.78	W
Georgia	3.57	W	W	W	W
Hawaii	--	--	--	--	--
Idaho	3.08	3.05	16.18	--	3.03
Illinois	W	W	W	4.81	W
Indiana	W	W	W	W	W
Iowa	3.18	2.98	3.45	4.71	5.01
Kansas	4.33	4.32	4.06	4.50	5.25
Kentucky	W	W	W	W	W
Louisiana	W	W	W	W	W
Maine	3.78	3.99	W	17.68	W
Maryland	3.25	2.58	W	W	6.65
Massachusetts	3.16	3.36	8.64	13.60	12.66
Michigan	3.25	W	3.57	4.11	3.62
Minnesota	W	W	W	W	W
Mississippi	W	W	W	W	W
Missouri	W	W	W	W	W
Montana	W	2.31	W	W	W
Nebraska	4.01	3.63	4.02	4.90	4.48
Nevada	3.21	3.27	3.45	3.54	4.10
New Hampshire	W	W	W	W	W
New Jersey	2.35	2.48	3.68	10.03	5.86
New Mexico	3.26	3.03	3.09	3.11	3.71
New York	2.76	2.82	4.48	9.93	6.24
North Carolina	W	W	W	W	W
North Dakota	10.94	8.00	9.81	8.87	11.41
Ohio	2.38	2.23	2.75	3.31	2.92
Oklahoma	W	W	W	W	W
Oregon	W	W	W	W	W
Pennsylvania	2.01	2.02	3.06	8.29	4.28
Rhode Island	2.15	3.41	7.68	W	9.99
South Carolina	W	W	W	W	W
South Dakota	3.06	3.46	2.77	3.05	2.94
Tennessee	2.28	2.66	3.35	3.27	3.59
Texas	3.02	2.82	3.02	3.10	3.28
Utah	W	W	W	3.37	W
Vermont	--	--	--	--	--
Virginia	2.82	W	W	W	W
Washington	W	W	W	W	W
West Virginia	2.41	W	2.64	W	2.96
Wisconsin	W	W	W	W	W
Wyoming	W	W	W	W	W
Total	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 8-Month YTD			2016 8-Month YTD			2015 8-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	NA	NA	26.5	100.0	78.6	24.2	100.0	79.7	23.2
Alaska	100.0	98.7	100.0	100.0	98.4	100.0	100.0	97.6	100.0
Arizona	NA	NA	NA	100.0	83.6	15.4	100.0	84.0	16.2
Arkansas	91.5	NA	1.5	100.0	40.3	1.4	100.0	46.5	1.8
California	NA	53.5	4.1	95.0	51.1	3.9	94.6	49.7	3.8
Colorado	100.0	93.4	7.3	100.0	94.2	7.6	100.0	94.4	7.5
Connecticut	96.2	76.7	NA	96.3	76.8	48.6	96.4	76.8	46.8
Delaware	100.0	38.9	NA	100.0	40.7	0.2	100.0	50.1	0.3
District of Columbia	NA	19.5	0.0	72.7	19.3	--	73.7	22.4	--
Florida	91.3	NA	3.5	91.9	30.5	3.4	91.9	32.7	3.4
Georgia	100.0	100.0	25.7	100.0	100.0	21.8	100.0	100.0	21.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	76.4	2.7	100.0	73.8	2.4	100.0	73.3	2.5
Illinois	NA	33.7	5.9	86.0	34.4	6.1	85.9	36.9	6.5
Indiana	NA	NA	1.6	95.7	65.9	1.8	95.7	67.8	2.1
Iowa	100.0	68.1	NA	100.0	69.4	3.2	100.0	70.7	3.2
Kansas	NA	NA	7.8	100.0	46.9	8.7	98.3	50.2	9.4
Kentucky	96.5	77.3	18.7	96.6	78.6	17.6	96.1	80.3	16.7
Louisiana	100.0	NA	NA	100.0	78.8	3.2	100.0	80.4	3.3
Maine	NA	60.6	NA	100.0	58.4	8.2	100.0	53.8	4.4
Maryland	NA	NA	NA	73.1	25.9	4.1	72.6	28.6	8.7
Massachusetts	98.4	NA	NA	99.0	48.2	26.8	99.5	47.8	29.1
Michigan	93.2	NA	6.4	92.7	55.0	6.4	92.8	56.9	7.7
Minnesota	100.0	NA	16.0	100.0	84.1	15.0	100.0	84.2	15.6
Mississippi	88.6	83.5	NA	100.0	84.8	9.5	100.0	86.7	9.6
Missouri	100.0	NA	NA	100.0	73.3	12.0	100.0	72.7	13.6
Montana	99.4	51.6	1.7	99.6	49.4	1.4	99.7	54.1	1.4
Nebraska	87.7	55.7	NA	87.9	60.1	6.5	88.2	57.3	7.5
Nevada	100.0	60.0	14.1	100.0	59.3	12.4	100.0	58.2	12.1
New Hampshire	100.0	54.7	5.5	100.0	54.4	6.6	100.0	59.8	11.0
New Jersey	94.5	NA	NA	94.3	38.5	5.5	93.2	44.1	8.0
New Mexico	100.0	57.0	NA	100.0	57.7	7.5	100.0	58.5	6.6
New York	100.0	100.0	NA	100.0	100.0	6.3	100.0	100.0	6.6
North Carolina	NA	NA	10.8	100.0	83.6	10.7	100.0	84.6	11.0
North Dakota	100.0	92.7	36.5	100.0	92.8	28.7	100.0	93.2	38.9
Ohio	NA	100.0	NA	100.0	100.0	2.1	100.0	100.0	2.2
Oklahoma	100.0	44.7	0.8	100.0	44.2	0.5	100.0	48.0	0.8
Oregon	100.0	94.6	15.1	100.0	94.3	14.2	100.0	95.3	14.9
Pennsylvania	NA	NA	NA	87.3	37.5	1.0	86.2	41.5	1.4
Rhode Island	100.0	52.5	NA	100.0	52.6	3.4	100.0	54.3	6.1
South Carolina	100.0	91.2	41.0	100.0	91.8	41.5	100.0	92.3	43.0
South Dakota	100.0	81.2	4.1	100.0	80.5	4.4	100.0	81.1	4.5
Tennessee	100.0	87.5	23.2	100.0	88.0	28.4	100.0	89.8	29.6
Texas	NA	NA	NA	99.8	71.7	40.8	99.8	73.4	39.3
Utah	100.0	73.6	4.5	100.0	77.1	5.9	100.0	77.3	8.0
Vermont	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	89.5	51.9	9.7	89.5	55.7	10.7
Washington	100.0	NA	6.5	100.0	84.4	6.2	100.0	84.2	6.0
West Virginia	NA	50.7	NA	100.0	52.2	10.1	100.0	56.9	14.6
Wisconsin	100.0	71.5	15.7	100.0	71.2	15.9	100.0	72.8	17.0
Wyoming	71.5	49.6	NA	72.0	50.3	1.9	72.0	51.3	1.9
Total	95.7	65.5	14.5	95.8	65.3	14.8	95.5	66.7	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								
	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	97.2	100.0	100.0	98.0	100.0	100.0	97.4	100.0
Arizona	100.0	NA	11.8	100.0	79.9	NA	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	NA	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	NA	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	NA
Maine	100.0	43.6	NA	NA	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	NA	2.1	92.6	36.9	2.5	93.4	38.5	2.9
Minnesota	100.0	NA	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	58.5	NA	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	NA	NA	94.7	NA	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	R41.2	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	56.9	14.5	94.5	R58.1	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	98.0	100.0	100.0	98.9	100.0	100.0	99.1	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	NA
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	65.1	14.5	95.7	67.9	14.9

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	99.1	100.0	100.0	99.2	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	NA	100.0	NA	NA	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	NA	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

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								
	September			August			July		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	74.3	25.5	100.0	72.7	24.8	100.0	73.1	24.5
Alaska	100.0	96.9	100.0	100.0	96.8	100.0	100.0	96.3	100.0
Arizona	100.0	79.6	19.8	100.0	79.7	14.5	100.0	80.6	18.4
Arkansas	100.0	28.4	1.5	100.0	27.0	1.4	100.0	26.5	1.1
California	94.8	46.8	3.1	94.4	43.2	3.2	94.9	47.2	3.3
Colorado	100.0	90.9	5.2	100.0	89.4	4.3	100.0	91.2	4.6
Connecticut	95.6	71.8	48.4	95.6	69.5	49.4	96.0	71.0	49.6
Delaware	100.0	23.4	0.2	100.0	24.2	0.2	100.0	26.5	0.1
District of Columbia	67.7	13.2	--	68.4	14.3	--	69.2	14.9	--
Florida	92.6	28.2	3.3	92.7	29.8	3.2	92.7	27.2	3.2
Georgia	100.0	100.0	21.1	100.0	100.0	23.3	100.0	100.0	22.4
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	59.6	2.2	100.0	61.4	2.5	100.0	58.9	2.4
Illinois	86.1	22.2	3.0	86.0	19.4	2.2	85.7	22.0	2.1
Indiana	95.6	56.3	1.0	95.6	50.9	1.0	95.0	53.9	0.9
Iowa	100.0	59.2	2.8	100.0	48.9	2.3	100.0	53.6	2.0
Kansas	100.0	24.6	12.0	100.0	23.9	20.3	100.0	26.1	17.0
Kentucky	97.6	66.8	17.1	97.6	64.8	17.2	97.2	67.3	18.0
Louisiana	100.0	76.4	3.0	100.0	75.8	3.1	100.0	75.4	2.8
Maine	100.0	53.8	5.4	100.0	46.8	5.5	100.0	50.0	5.4
Maryland	73.0	16.5	1.5	71.2	18.0	1.0	71.0	15.7	0.8
Massachusetts	98.7	28.5	22.0	98.6	27.8	20.8	98.6	31.8	23.2
Michigan	93.6	38.7	4.5	92.1	32.7	2.5	92.8	38.5	2.3
Minnesota	100.0	74.5	12.7	100.0	74.1	12.3	100.0	72.1	11.4
Mississippi	100.0	80.3	11.0	100.0	81.3	9.1	100.0	79.7	8.8
Missouri	100.0	61.2	9.3	100.0	60.1	8.6	100.0	60.6	8.3
Montana	99.5	37.1	0.9	99.5	37.5	0.7	99.5	39.4	1.0
Nebraska	88.0	54.3	5.2	90.0	56.0	4.6	88.6	56.1	4.5
Nevada	100.0	48.5	8.9	100.0	47.4	7.2	100.0	49.0	7.8
New Hampshire	100.0	47.2	1.8	100.0	47.4	2.3	100.0	44.2	2.6
New Jersey	94.2	19.4	2.1	94.2	16.5	1.7	94.2	22.4	1.7
New Mexico	100.0	45.8	10.1	100.0	46.1	12.9	100.0	47.7	10.6
New York	100.0	100.0	4.3	100.0	100.0	4.1	100.0	100.0	5.4
North Carolina	100.0	76.4	9.9	100.0	76.3	8.8	100.0	75.1	8.9
North Dakota	100.0	88.8	40.5	100.0	86.1	10.3	100.0	86.6	17.1
Ohio	100.0	100.0	0.9	100.0	100.0	0.9	100.0	100.0	0.7
Oklahoma	100.0	27.6	0.3	100.0	27.0	0.2	100.0	29.4	0.2
Oregon	100.0	92.8	14.0	100.0	92.7	12.9	100.0	92.9	12.6
Pennsylvania	88.1	27.3	0.3	87.8	28.1	0.4	87.6	26.9	0.3
Rhode Island	100.0	54.2	2.7	100.0	55.6	2.3	100.0	53.9	3.5
South Carolina	100.0	89.2	42.2	100.0	90.0	40.3	100.0	89.4	40.3
South Dakota	100.0	72.1	1.9	100.0	69.1	1.9	100.0	73.0	2.3
Tennessee	100.0	79.0	25.0	100.0	77.6	27.3	100.0	79.7	26.0
Texas	99.8	63.6	40.3	99.8	62.4	41.0	99.8	65.3	39.4
Utah	100.0	62.4	5.1	100.0	60.4	4.9	100.0	66.2	5.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.6	36.8	8.3	87.3	42.3	7.6	87.4	39.4	9.1
Washington	100.0	81.0	4.9	100.0	78.1	4.5	100.0	80.8	4.2
West Virginia	100.0	30.4	9.9	100.0	27.7	8.4	100.0	29.7	7.4
Wisconsin	100.0	51.8	12.0	100.0	49.5	12.3	100.0	48.1	11.5
Wyoming	72.0	51.3	1.7	75.5	52.7	1.4	71.9	51.9	1.5
Total	96.0	56.2	14.6	95.8	54.7	14.6	95.9	56.9	14.2

^R Revised data.

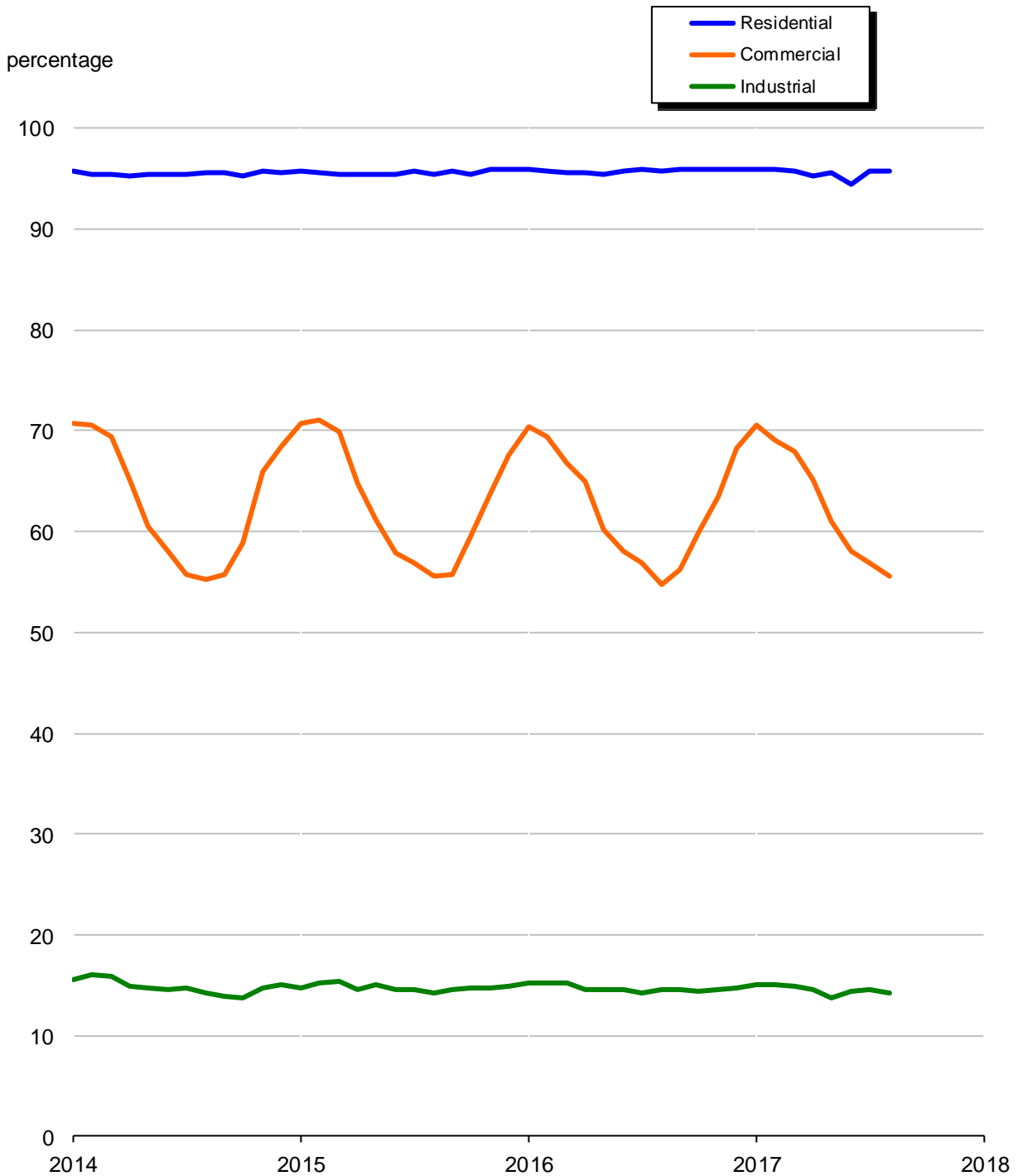
-- Not applicable.

^{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	2016	2015	2017				
	8-Month YTD	8-Month YTD	8-Month YTD	August	July	June	May	April
Alabama	1,030	1,029	1,030	1,030	1,031	1,030	1,031	1,030
Alaska	991	1,001	1,001	964	974	988	995	994
Arizona	1,039	1,038	1,037	1,040	1,039	1,037	1,038	1,038
Arkansas	1,024	1,024	1,029	1,018	1,017	1,019	1,016	1,022
California	1,035	1,035	1,034	1,036	1,037	1,037	1,033	1,033
Colorado	1,065	1,061	1,056	1,074	1,072	1,069	1,065	1,063
Connecticut	1,026	1,026	1,027	1,026	1,026	1,025	1,025	1,025
Delaware	1,039	1,042	1,051	1,040	1,038	1,037	1,037	1,041
District of Columbia	1,042	1,044	1,044	1,034	1,030	1,029	1,034	1,035
Florida	1,024	1,022	1,025	1,025	1,024	1,023	1,024	1,023
Georgia	1,032	1,029	1,028	1,030	1,032	1,032	1,033	1,030
Hawaii	972	997	975	983	987	987	984	959
Idaho	1,038	1,033	1,026	1,034	1,035	1,069	1,044	1,051
Illinois	1,031	1,032	1,029	1,027	1,027	1,027	1,028	1,030
Indiana	1,043	1,037	1,035	1,050	1,049	1,044	1,042	1,036
Iowa	1,053	1,054	1,049	1,059	1,058	1,056	1,057	1,055
Kansas	1,038	1,035	1,037	1,034	1,034	1,033	1,035	1,041
Kentucky	1,036	1,030	1,025	1,042	1,040	1,043	1,028	1,030
Louisiana	1,030	1,032	1,034	1,022	1,022	1,020	1,022	1,023
Maine	1,027	1,027	1,027	1,018	1,017	1,021	1,022	1,026
Maryland	1,050	1,052	1,057	1,047	1,044	1,041	1,046	1,043
Massachusetts	1,031	1,030	1,031	1,031	1,032	1,030	1,030	1,029
Michigan	1,042	1,040	1,029	1,043	1,042	1,042	1,043	1,039
Minnesota	1,030	1,041	1,040	1,027	1,030	1,028	1,034	1,032
Mississippi	1,034	1,031	1,032	1,030	1,035	1,035	1,032	1,032
Missouri	1,022	1,024	1,022	1,021	1,018	1,020	1,021	1,022
Montana	1,032	1,029	1,026	1,048	1,045	1,040	1,026	1,032
Nebraska	1,058	1,054	1,055	1,069	1,070	1,066	1,063	1,061
Nevada	1,040	1,041	1,042	1,039	1,043	1,044	1,035	1,039
New Hampshire	1,030	1,030	1,032	1,028	1,026	1,030	1,029	1,028
New Jersey	1,040	1,041	1,047	1,038	1,036	1,036	1,037	1,038
New Mexico	1,043	1,049	1,039	1,045	1,043	1,040	1,042	1,040
New York	1,032	1,032	1,033	1,031	1,030	1,031	1,031	1,032
North Carolina	1,037	1,035	1,033	1,036	1,037	1,038	1,040	1,045
North Dakota	1,051	1,064	1,045	1,083	1,085	1,085	1,080	1,080
Ohio	1,069	1,070	1,065	1,069	1,067	1,068	1,068	1,069
Oklahoma	1,044	1,048	1,046	1,043	1,043	1,044	1,041	1,042
Oregon	1,052	1,040	1,037	1,067	1,073	1,086	1,079	1,076
Pennsylvania	1,039	1,042	1,048	1,038	1,038	1,038	1,038	1,038
Rhode Island	1,030	1,029	1,029	1,030	1,030	1,030	1,029	1,029
South Carolina	1,030	1,030	1,029	1,030	1,030	1,030	1,032	1,031
South Dakota	1,053	1,057	1,049	1,054	1,054	1,050	1,051	1,049
Tennessee	1,027	1,029	1,026	1,029	1,030	1,032	1,032	1,029
Texas	1,029	1,031	1,032	1,030	1,030	1,028	1,029	1,030
Utah	1,042	1,042	1,043	1,039	1,041	1,041	1,042	1,042
Vermont	1,030	1,027	1,026	1,022	1,020	1,026	1,024	1,025
Virginia	1,051	1,054	1,053	1,051	1,051	1,052	1,051	1,055
Washington	1,080	1,078	1,062	1,083	1,091	1,082	1,077	1,080
West Virginia	1,083	1,092	1,083	1,055	1,092	1,105	1,094	1,103
Wisconsin	1,033	1,036	1,039	1,027	1,026	1,029	1,036	1,034
Wyoming	1,065	1,070	1,053	1,058	1,055	1,053	1,052	1,051
Total	1,036	1,036	1,036	1,035	1,035	1,035	1,035	1,036

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			
	March	February	January	Total	December	November	October	September
Alabama	1,028	1,029	1,028	1,029	1,030	1,030	1,031	1,032
Alaska	996	1,000	1,000	1,001	1,000	1,000	1,001	1,002
Arizona	1,040	1,043	1,042	1,037	1,039	1,034	1,031	1,034
Arkansas	1,017	1,019	1,018	1,019	1,019	1,021	1,018	1,020
California	1,034	1,034	1,036	1,035	1,034	1,032	1,033	1,037
Colorado	1,062	1,060	1,060	1,063	1,059	1,063	1,069	1,075
Connecticut	1,026	1,026	1,026	1,027	1,026	1,026	1,026	1,026
Delaware	1,045	1,045	1,047	1,046	1,047	1,045	1,046	1,046
District of Columbia	1,047	1,049	1,051	1,044	1,045	1,040	1,035	1,038
Florida	1,023	1,025	1,024	1,023	1,025	1,024	1,023	1,026
Georgia	1,029	1,033	1,030	1,030	1,031	1,030	1,032	1,032
Hawaii	954	972	955	981	954	947	952	945
Idaho	1,037	1,036	1,036	1,038	1,033	1,036	1,035	1,035
Illinois	1,030	1,031	1,033	1,031	1,033	1,031	1,029	1,028
Indiana	1,034	1,034	1,038	1,038	1,035	1,046	1,048	1,042
Iowa	1,052	1,052	1,052	1,056	1,056	1,059	1,059	1,059
Kansas	1,037	1,036	1,042	1,034	1,038	1,039	1,037	1,038
Kentucky	1,035	1,035	1,037	1,030	1,026	1,039	1,027	1,030
Louisiana	1,022	1,022	1,023	1,024	1,023	1,022	1,022	1,026
Maine	1,036	1,049	1,037	1,026	1,030	1,018	1,016	1,019
Maryland	1,055	1,056	1,054	1,051	1,050	1,045	1,042	1,046
Massachusetts	1,031	1,031	1,031	1,030	1,030	1,029	1,029	1,029
Michigan	1,042	1,045	1,045	1,041	1,044	1,048	1,047	1,047
Minnesota	1,033	1,028	1,028	1,037	1,033	1,033	1,037	1,038
Mississippi	1,035	1,035	1,034	1,031	1,033	1,037	1,032	1,034
Missouri	1,021	1,022	1,022	1,024	1,024	1,024	1,024	1,023
Montana	1,036	1,034	1,036	1,034	1,035	1,039	1,029	1,034
Nebraska	1,058	1,060	1,057	1,059	1,059	1,063	1,068	1,069
Nevada	1,039	1,040	1,041	1,041	1,041	1,038	1,039	1,044
New Hampshire	1,032	1,036	1,032	1,029	1,031	1,027	1,028	1,026
New Jersey	1,043	1,042	1,043	1,041	1,042	1,040	1,038	1,038
New Mexico	1,042	1,043	1,045	1,046	1,041	1,040	1,039	1,048
New York	1,033	1,033	1,033	1,031	1,033	1,031	1,030	1,030
North Carolina	1,033	1,032	1,033	1,035	1,032	1,034	1,039	1,037
North Dakota	1,078	1,083	1,076	1,083	1,092	1,075	1,072	1,061
Ohio	1,072	1,071	1,071	1,071	1,073	1,071	1,072	1,068
Oklahoma	1,041	1,043	1,046	1,049	1,053	1,050	1,050	1,053
Oregon	1,035	1,035	1,036	1,059	1,038	1,035	1,038	1,038
Pennsylvania	1,040	1,040	1,041	1,041	1,040	1,039	1,040	1,041
Rhode Island	1,029	1,029	1,029	1,029	1,028	1,028	1,030	1,029
South Carolina	1,030	1,031	1,030	1,030	1,031	1,029	1,031	1,030
South Dakota	1,050	1,051	1,055	1,056	1,052	1,052	1,053	1,056
Tennessee	1,028	1,031	1,032	1,030	1,033	1,035	1,028	1,026
Texas	1,026	1,029	1,027	1,030	1,029	1,028	1,030	1,034
Utah	1,043	1,043	1,043	1,042	1,043	1,042	1,041	1,041
Vermont	1,033	1,036	1,034	1,024	1,029	1,022	1,019	1,016
Virginia	1,057	1,052	1,057	1,053	1,054	1,055	1,052	1,053
Washington	1,078	1,075	1,076	1,078	1,080	1,083	1,081	1,076
West Virginia	1,086	1,089	1,084	1,097	1,085	1,083	1,083	1,103
Wisconsin	1,035	1,038	1,041	1,039	1,041	1,033	1,036	1,029
Wyoming	1,055	1,066	1,060	1,074	1,057	1,056	1,050	1,054
Total	1,037	1,038	1,039	1,037	1,039	1,037	1,036	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							
	August	July	June	May	April	March	February	January
Alabama	1,031	1,029	1,026	1,028	1,028	1,030	1,025	1,029
Alaska	1,003	1,003	1,003	1,002	1,001	1,001	1,000	1,000
Arizona	1,035	1,031	1,031	1,037	1,042	1,050	1,047	1,046
Arkansas	1,022	1,021	1,020	1,018	1,019	1,017	1,015	1,019
California	1,038	1,035	1,042	1,021	1,035	1,034	1,036	1,038
Colorado	1,074	1,072	1,071	1,066	1,065	1,055	1,052	1,050
Connecticut	1,025	1,025	1,026	1,025	1,026	1,026	1,026	1,026
Delaware	1,043	1,044	1,042	1,042	1,044	1,043	1,050	1,055
District of Columbia	1,038	1,038	1,034	1,035	1,040	1,043	1,049	1,051
Florida	1,026	1,023	1,020	1,021	1,023	1,024	1,025	1,015
Georgia	1,029	1,028	1,027	1,030	1,028	1,030	1,030	1,029
Hawaii	947	967	1,050	1,018	992	1,003	1,004	998
Idaho	1,035	1,028	1,035	1,044	1,056	1,044	1,038	1,034
Illinois	1,030	1,029	1,027	1,032	1,032	1,030	1,031	1,031
Indiana	1,047	1,035	1,042	1,038	1,034	1,032	1,033	1,030
Iowa	1,061	1,057	1,058	1,057	1,053	1,052	1,052	1,053
Kansas	1,039	1,033	1,034	1,032	1,033	1,037	1,036	1,032
Kentucky	1,038	1,033	1,025	1,018	1,026	1,023	1,025	1,027
Louisiana	1,028	1,022	1,023	1,022	1,021	1,022	1,025	1,024
Maine	1,026	1,023	1,023	1,019	1,024	1,030	1,037	1,035
Maryland	1,051	1,052	1,046	1,047	1,048	1,050	1,055	1,061
Massachusetts	1,028	1,028	1,029	1,029	1,029	1,030	1,032	1,031
Michigan	1,052	1,044	1,041	1,038	1,040	1,036	1,038	1,040
Minnesota	1,036	1,034	1,044	1,042	1,041	1,039	1,035	1,043
Mississippi	1,031	1,022	1,030	1,036	1,033	1,039	1,032	1,031
Missouri	1,024	1,022	1,022	1,021	1,024	1,024	1,023	1,024
Montana	1,033	1,028	1,029	1,023	1,023	1,027	1,030	1,033
Nebraska	1,073	1,070	1,064	1,064	1,062	1,048	1,054	1,054
Nevada	1,045	1,044	1,038	1,039	1,042	1,037	1,042	1,043
New Hampshire	1,026	1,026	1,028	1,027	1,029	1,031	1,039	1,035
New Jersey	1,039	1,038	1,037	1,037	1,039	1,042	1,043	1,044
New Mexico	1,055	1,046	1,049	1,052	1,048	1,048	1,048	1,046
New York	1,029	1,029	1,030	1,029	1,033	1,033	1,034	1,033
North Carolina	1,035	1,033	1,034	1,038	1,038	1,037	1,034	1,034
North Dakota	1,090	1,089	1,070	1,091	1,108	1,099	1,095	1,095
Ohio	1,067	1,068	1,069	1,070	1,068	1,070	1,072	1,073
Oklahoma	1,051	1,049	1,046	1,047	1,044	1,048	1,047	1,049
Oregon	1,046	1,045	1,044	1,043	1,038	1,036	1,034	1,033
Pennsylvania	1,039	1,040	1,041	1,042	1,042	1,042	1,045	1,048
Rhode Island	1,028	1,028	1,028	1,029	1,034	1,025	1,027	1,032
South Carolina	1,030	1,029	1,029	1,030	1,031	1,029	1,031	1,031
South Dakota	1,057	1,060	1,058	1,054	1,052	1,053	1,058	1,060
Tennessee	1,025	1,025	1,024	1,031	1,031	1,034	1,035	1,035
Texas	1,035	1,031	1,027	1,029	1,032	1,030	1,028	1,029
Utah	1,042	1,042	1,040	1,041	1,042	1,041	1,043	1,046
Vermont	1,017	1,016	1,025	1,023	1,028	1,030	1,032	1,029
Virginia	1,054	1,054	1,052	1,054	1,052	1,056	1,055	1,055
Washington	1,085	1,085	1,080	1,078	1,078	1,077	1,075	1,070
West Virginia	1,109	1,108	1,118	1,096	1,096	1,096	1,096	1,092
Wisconsin	1,026	1,026	1,033	1,037	1,038	1,038	1,046	1,045
Wyoming	1,058	1,053	1,048	1,053	1,055	1,071	1,052	1,056
Total	1,037	1,034	1,034	1,034	1,037	1,037	1,038	1,038

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							
	Total	December	November	October	September	August	July	June
Alabama	1,030	1,029	1,029	1,030	1,030	1,030	1,032	1,032
Alaska	1,001	1,000	1,001	1,001	1,001	1,002	1,002	1,002
Arizona	1,040	1,044	1,041	1,042	1,040	1,038	1,038	1,036
Arkansas	1,020	1,015	1,014	1,029	1,019	1,022	1,023	1,020
California	1,036	1,037	1,037	1,035	1,037	1,037	1,037	1,037
Colorado	1,060	1,051	1,060	1,069	1,076	1,069	1,073	1,070
Connecticut	1,027	1,026	1,027	1,028	1,026	1,026	1,027	1,027
Delaware	1,050	1,049	1,051	1,051	1,043	1,044	1,044	1,055
District of Columbia	1,044	1,044	1,039	1,045	1,035	1,036	1,037	1,040
Florida	1,024	1,023	1,023	1,023	1,024	1,024	1,026	1,026
Georgia	1,027	1,027	1,026	1,028	1,029	1,028	1,030	1,031
Hawaii	982	997	996	996	989	965	1,011	1,005
Idaho	1,030	1,041	1,035	1,033	1,024	1,028	1,034	1,010
Illinois	1,029	1,030	1,030	1,028	1,028	1,027	1,027	1,027
Indiana	1,027	1,033	1,034	1,039	1,041	1,044	1,043	1,043
Iowa	1,053	1,056	1,057	1,058	1,058	1,059	1,059	1,060
Kansas	1,035	1,031	1,035	1,037	1,039	1,042	1,040	1,039
Kentucky	1,022	1,024	1,021	1,024	1,020	1,015	1,024	1,021
Louisiana	1,025	1,023	1,022	1,023	1,023	1,024	1,028	1,027
Maine	1,027	1,027	1,025	1,026	1,019	1,018	1,020	1,020
Maryland	1,055	1,050	1,049	1,053	1,050	1,049	1,055	1,057
Massachusetts	1,029	1,030	1,029	1,028	1,027	1,028	1,029	1,027
Michigan	1,032	1,040	1,041	1,034	1,036	1,035	1,034	1,033
Minnesota	1,040	1,041	1,045	1,041	1,039	1,041	1,043	1,047
Mississippi	1,030	1,030	1,029	1,028	1,031	1,029	1,030	1,030
Missouri	1,012	1,023	1,024	1,025	1,026	1,026	1,026	1,026
Montana	1,032	1,034	1,034	1,032	1,032	1,033	1,031	1,030
Nebraska	1,057	1,053	1,055	1,060	1,068	1,071	1,068	1,063
Nevada	1,042	1,042	1,043	1,043	1,044	1,043	1,044	1,045
New Hampshire	1,030	1,030	1,029	1,029	1,028	1,028	1,027	1,028
New Jersey	1,045	1,044	1,044	1,041	1,041	1,042	1,043	1,043
New Mexico	1,038	1,046	1,042	1,048	1,040	1,049	1,038	1,039
New York	1,032	1,033	1,032	1,032	1,032	1,031	1,031	1,032
North Carolina	1,035	1,034	1,033	1,040	1,038	1,037	1,038	1,033
North Dakota	1,086	1,112	1,097	1,093	1,078	1,095	1,117	1,089
Ohio	1,068	1,077	1,077	1,071	1,071	1,068	1,069	1,068
Oklahoma	1,047	1,050	1,047	1,049	1,049	1,047	1,050	1,049
Oregon	1,048	1,036	1,035	1,036	1,038	1,039	1,039	1,042
Pennsylvania	1,046	1,046	1,046	1,045	1,044	1,044	1,044	1,046
Rhode Island	1,028	1,028	1,028	1,028	1,028	1,028	1,028	1,028
South Carolina	1,030	1,030	1,030	1,031	1,031	1,029	1,031	1,030
South Dakota	1,054	1,058	1,053	1,053	1,056	1,060	1,062	1,059
Tennessee	1,029	1,034	1,031	1,032	1,025	1,023	1,027	1,025
Texas	1,034	1,030	1,033	1,036	1,036	1,035	1,036	1,036
Utah	1,044	1,046	1,044	1,044	1,042	1,043	1,043	1,043
Vermont	1,025	1,027	1,027	1,030	1,020	1,019	1,022	1,021
Virginia	1,052	1,057	1,051	1,053	1,055	1,054	1,056	1,055
Washington	1,065	1,073	1,069	1,064	1,066	1,065	1,070	1,069
West Virginia	1,097	1,090	1,114	1,090	1,102	1,099	1,099	1,096
Wisconsin	1,042	1,044	1,043	1,045	1,034	1,040	1,036	1,040
Wyoming	1,060	1,054	1,046	1,040	1,041	1,044	1,042	1,045
Total	1,037	1,038	1,038	1,037	1,037	1,036	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				
	May	April	March	February	January
Alabama	1,031	1,032	1,029	1,026	1,028
Alaska	1,001	1,002	1,001	1,000	1,000
Arizona	1,038	1,040	1,036	1,038	1,038
Arkansas	1,022	1,025	1,023	1,023	1,021
California	1,033	1,034	1,033	1,035	1,034
Colorado	1,059	1,059	1,051	1,044	1,046
Connecticut	1,049	1,026	1,029	1,026	1,017
Delaware	1,055	1,051	1,062	1,061	1,061
District of Columbia	1,044	1,044	1,046	1,047	1,045
Florida	1,026	1,024	1,024	1,025	1,024
Georgia	1,028	1,026	1,025	1,026	1,025
Hawaii	990	959	947	954	968
Idaho	1,000	1,023	1,030	1,037	1,047
Illinois	1,029	1,028	1,029	1,030	1,027
Indiana	1,037	1,039	1,031	1,029	1,028
Iowa	1,054	1,051	1,047	1,047	1,045
Kansas	1,044	1,036	1,035	1,034	1,033
Kentucky	1,023	1,016	1,015	1,018	1,023
Louisiana	1,028	1,029	1,029	1,031	1,030
Maine	1,022	1,025	1,030	1,035	1,033
Maryland	1,058	1,051	1,058	1,061	1,059
Massachusetts	1,027	1,029	1,030	1,035	1,035
Michigan	1,028	1,035	1,030	1,026	1,027
Minnesota	1,044	1,037	1,033	1,034	1,041
Mississippi	1,032	1,037	1,031	1,033	1,036
Missouri	1,024	1,026	1,025	1,020	1,017
Montana	1,019	1,021	1,028	1,029	1,028
Nebraska	1,061	1,057	1,053	1,054	1,052
Nevada	1,043	1,043	1,041	1,040	1,040
New Hampshire	1,028	1,029	1,033	1,041	1,037
New Jersey	1,043	1,043	1,050	1,050	1,050
New Mexico	1,038	1,034	1,034	1,038	1,038
New York	1,032	1,034	1,034	1,035	1,034
North Carolina	1,035	1,035	1,030	1,028	1,030
North Dakota	1,084	1,084	1,072	1,078	1,036
Ohio	1,072	1,073	1,062	1,062	1,065
Oklahoma	1,048	1,045	1,044	1,043	1,042
Oregon	1,039	1,035	1,032	1,031	1,031
Pennsylvania	1,050	1,049	1,049	1,054	1,053
Rhode Island	1,028	1,029	1,029	1,029	1,029
South Carolina	1,030	1,029	1,028	1,028	1,030
South Dakota	1,054	1,051	1,047	1,048	1,048
Tennessee	1,025	1,027	1,029	1,029	1,028
Texas	1,036	1,034	1,029	1,028	1,026
Utah	1,043	1,049	1,047	1,046	1,039
Vermont	1,021	1,024	1,027	1,035	1,026
Virginia	1,055	1,045	1,051	1,053	1,056
Washington	1,065	1,062	1,060	1,054	1,052
West Virginia	1,107	1,103	1,069	1,084	1,097
Wisconsin	1,038	1,039	1,040	1,044	1,042
Wyoming	1,045	1,043	1,042	1,041	1,043
Total	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."

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:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Appendix C

Statistical Considerations

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

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

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

Sample Design

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

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, August 2017

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	3.9	3.2	1.2	1.1	0.40	0.18	0.04
Alaska	0.7	3.6	0.0	1.9	0.03	0.25	0.00
Arizona	1.5	5.5	3.8	2.8	0.24	0.11	0.08
Arkansas	8.5	0.3	4.1	2.8	0.08	0.16	0.46
California	2.3	1.7	0.5	0.6	0.42	0.16	0.08
Colorado	0.6	0.9	1.1	0.6	0.09	0.05	0.22
Connecticut	0.2	1.2	0.5	0.6	0.17	0.12	0.01
Delaware	0.0	0.0	0.0	0.0	0.00	0.00	0.00
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	2.1	2.2	0.5	0.8	0.37	0.75	0.29
Georgia	0.0	0.0	2.3	0.0	0.00	0.09	0.37
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	1.2	0.9	0.0	0.3	0.00	0.05	0.00
Illinois	0.8	0.9	1.8	1.0	0.24	0.21	1.26
Indiana	2.3	2.4	1.4	1.2	0.39	0.61	0.60
Iowa	1.7	0.7	2.2	1.9	0.24	0.21	0.35
Kansas	3.3	5.1	2.5	2.1	0.10	0.24	0.14
Kentucky	1.2	2.1	0.9	0.8	0.37	0.24	0.14
Louisiana	2.2	1.6	1.2	1.1	0.28	0.22	0.09
Maine	0.0	0.0	0.0	0.0	1.08	0.00	0.00
Maryland	0.6	1.4	1.7	0.9	0.07	0.11	NA
Massachusetts	1.1	0.9	1.9	0.7	0.10	0.27	0.16
Michigan	0.7	1.2	1.9	1.0	0.07	0.00	0.08
Minnesota	0.9	1.2	0.7	0.6	0.12	0.09	0.04
Mississippi	2.7	1.9	0.8	0.7	0.45	0.20	0.14
Missouri	1.7	1.3	1.6	1.0	0.23	0.30	0.42
Montana	0.6	0.5	0.0	0.1	0.04	0.19	0.15
Nebraska	1.6	2.6	1.2	1.0	0.22	0.30	0.48
Nevada	0.0	0.0	0.3	0.1	0.00	0.00	0.23
New Hampshire	0.0	0.0	3.4	2.0	0.00	0.00	0.00
New Jersey	1.2	8.1	0.7	3.5	0.26	0.41	0.00
New Mexico	1.5	1.6	5.3	2.2	0.10	0.23	0.27
New York	0.0	0.0	0.7	0.0	0.16	0.04	0.40
North Carolina	0.9	0.8	0.3	0.3	0.08	0.05	0.12
North Dakota	1.0	1.4	4.1	3.4	0.32	0.10	0.04
Ohio	0.0	0.0	1.7	0.0	0.10	0.06	0.52
Oklahoma	4.0	0.7	2.0	1.7	0.24	0.83	1.07
Oregon	0.0	0.0	1.6	1.2	0.00	0.00	0.00
Pennsylvania	1.2	0.8	2.3	1.5	0.05	0.00	0.54
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	1.6	2.1	1.6	1.3	0.50	0.13	0.07
South Dakota	1.8	1.4	0.5	0.5	0.20	0.13	0.12
Tennessee	0.9	1.0	1.0	0.8	0.29	0.09	0.06
Texas	2.0	1.3	0.6	0.5	0.56	0.16	0.02
Utah	0.3	0.4	0.0	0.1	0.00	0.00	0.01
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	2.0	1.1	1.6	1.1	0.92	0.31	0.42
Washington	2.2	1.6	1.6	1.1	0.01	0.04	0.08
West Virginia	8.1	1.3	1.8	1.4	0.11	0.04	0.16
Wisconsin	0.8	1.0	0.6	0.4	0.14	0.04	0.04
Wyoming	0.8	1.1	2.2	1.9	0.11	0.06	0.07
Total	0.5	0.5	0.3	0.2	0.09	0.03	0.02

^{NA} Not available.

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

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Glossary

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nominal Dollars: A measure used to express nominal price.

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

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

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

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

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

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

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

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

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

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

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

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