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Preface

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

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

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

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

Contents

Highlights	1
Common Abbreviations	2
Appendices	
A. Explanatory Notes.....	101
B. Data Sources	109
C. Statistical Considerations.....	115
Glossary	125

Tables

1. Summary of Natural Gas Supply and Disposition in the United States, 2012-2017.....	3
2. Natural Gas Consumption in the United States, 2012-2017	5
3. Selected National Average Natural Gas Prices, 2012-2017.....	7
4. U.S. Natural Gas Imports, 2015-2017	9
5. U.S. Natural Gas Exports, 2015-2017	14
6. Gross Withdrawals of Natural Gas in Selected States and the Federal Gulf of Mexico, 2012-2017.....	24
7. Marketed Production of Natural Gas in Selected States and the Federal Gulf of Mexico, 2012-2017.....	26
8. Underground Natural Gas Storage - All Operators, 2012-2017	29
9. Underground Natural Gas Storage - by Season, 2015-2017	30
10. Underground Natural Gas Storage - Salt Cavern Storage Fields, 2012-2017.....	31
11. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 2012-2017.....	32
12. Net Withdrawals from Underground Storage, by State, 2015-2017	33
13. Activities of Underground Natural Gas Storage Operators, by State, May 2017.....	38
14. Natural Gas Deliveries to Residential Consumers, by State, 2015-2017.....	39
15. Natural Gas Deliveries to Commercial Consumers, by State, 2015-2017	44
16. Natural Gas Deliveries to Industrial Consumers, by State, 2015-2017	49
17. Natural Gas Deliveries to Electric Power Consumers, by State, 2015-2017	54
18. Natural Gas Deliveries to All Consumers, by State, 2015-2017	59
19. Average Citygate Price, by State, 2015-2017	64
20. Average Price of Natural Gas Sold to Residential Consumers, by State, 2015-2017	69
21. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2015-2017.....	74
22. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2015-2017.....	79
23. Average Price of Natural Gas Sold to Electric Power Consumers, by State, 2015-2017	84
24. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Prices, by State, 2015-2017	89
25. Heating Value of Natural Gas Consumed, by State, 2015-2017	96
A1. Methodology for Most Recent Monthly Natural Gas Supply and Disposition Data of Tables 1 and 2	101
C1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, May 2017.....	123

Figures

1. Production, Consumption, and Net Imports of Natural Gas in the United States, 2014-2017	4
2. Natural Gas Deliveries to Consumers in the United States, 2014-2017	6
3. Citygate and Consumer Prices of Natural Gas in the United States, 2014-2017	8
4. Spot Prices of Natural Gas and Natural Gas Plant Liquids in the United States, 2014-2017	8
5. Working Gas in Underground Natural Gas Storage in the United States, 2014-2017	29
6. Percentage of Total Deliveries Included in Residential, Commercial, and Industrial Price Estimates, 2014-2017	95

Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through May 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	2,771	2,391	141	2,250	5	135	741	-15	3,116
February	2,516	2,193	129	2,063	4	109	757	-8	2,927
March	2,824	2,439	144	2,296	5	93	201	-2	2,592
April	2,750	2,391	141	2,251	5	75	-329	12	2,013
May	2,791	2,444	144	2,300	5	70	-508	-4	1,863
June	2,669	2,368	139	2,229	5	68	-370	-24	1,908
July	2,758	2,448	144	2,304	5	73	-291	-14	2,077
August	2,742	2,446	144	2,302	5	69	-317	2	2,061
September	2,727	2,390	141	2,249	5	46	-381	-11	1,909
October	2,801	2,441	144	2,298	5	68	-339	-38	1,994
November	2,731	2,362	139	2,223	5	63	17	-52	2,255
December	2,814	2,438	144	2,295	5	66	272	-47	2,591
Total	32,895	28,753	1,693	27,060	59	935	-546	-201	27,306
2016									
January	£2,819	£2,424	148	£2,275	5	105	729	R-16	£3,098
February	£2,668	£2,304	140	£2,164	5	89	403	-7	2,655
March	£2,823	£2,431	157	£2,274	5	46	57	-23	2,358
April	£2,682	£2,340	151	£2,188	5	63	-164	-3	2,089
May	£2,779	£2,411	160	£2,250	5	60	-327	R-18	1,971
June	£2,635	£2,304	156	£2,148	2	59	-222	16	2,003
July	£2,710	£2,372	160	£2,213	5	76	-133	29	2,190
August	£2,742	£2,394	152	£2,242	5	48	-124	43	2,214
September	£2,640	£2,303	147	£2,155	5	37	-262	R14	£1,949
October	£2,718	£2,352	160	£2,192	5	55	-308	-18	1,925
November	£2,684	£2,308	155	£2,153	5	3	35	-29	2,168
December	£2,748	£2,354	149	£2,205	5	30	676	-45	2,872
Total	£32,647	£28,295	1,836	£26,459	59	671	359	-57	£27,491
2017									
January	£2,732	£2,345	151	£2,194	5	18	675	-11	2,882
February	£2,508	£2,153	146	£2,007	5	-1	285	19	2,315
March	RE2,779	RE2,383	163	RE2,220	5	9	275	R-5	2,504
April	RE2,683	RE2,310	157	RE2,152	5	-9	-230	R-11	£1,908
May	£2,773	£2,395	166	£2,229	3	-10	-341	-2	1,880
2017 5-Month YTD	£13,475	£11,585	783	£10,803	23	8	664	-9	11,488
2016 5-Month YTD	£13,771	£11,908	757	£11,151	25	363	697	-67	12,170
2015 5-Month YTD	13,652	11,859	698	11,160	24	482	862	-18	12,511

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

^e Represents quantities lost and imbalances in data due to differences among data sources. Net imports and balancing item for 2014 and 2015 excludes net intransit deliveries. These net intransit deliveries were (in billion cubic feet): 57 for 2015; 27 for 2014; 54 for 2013; 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.

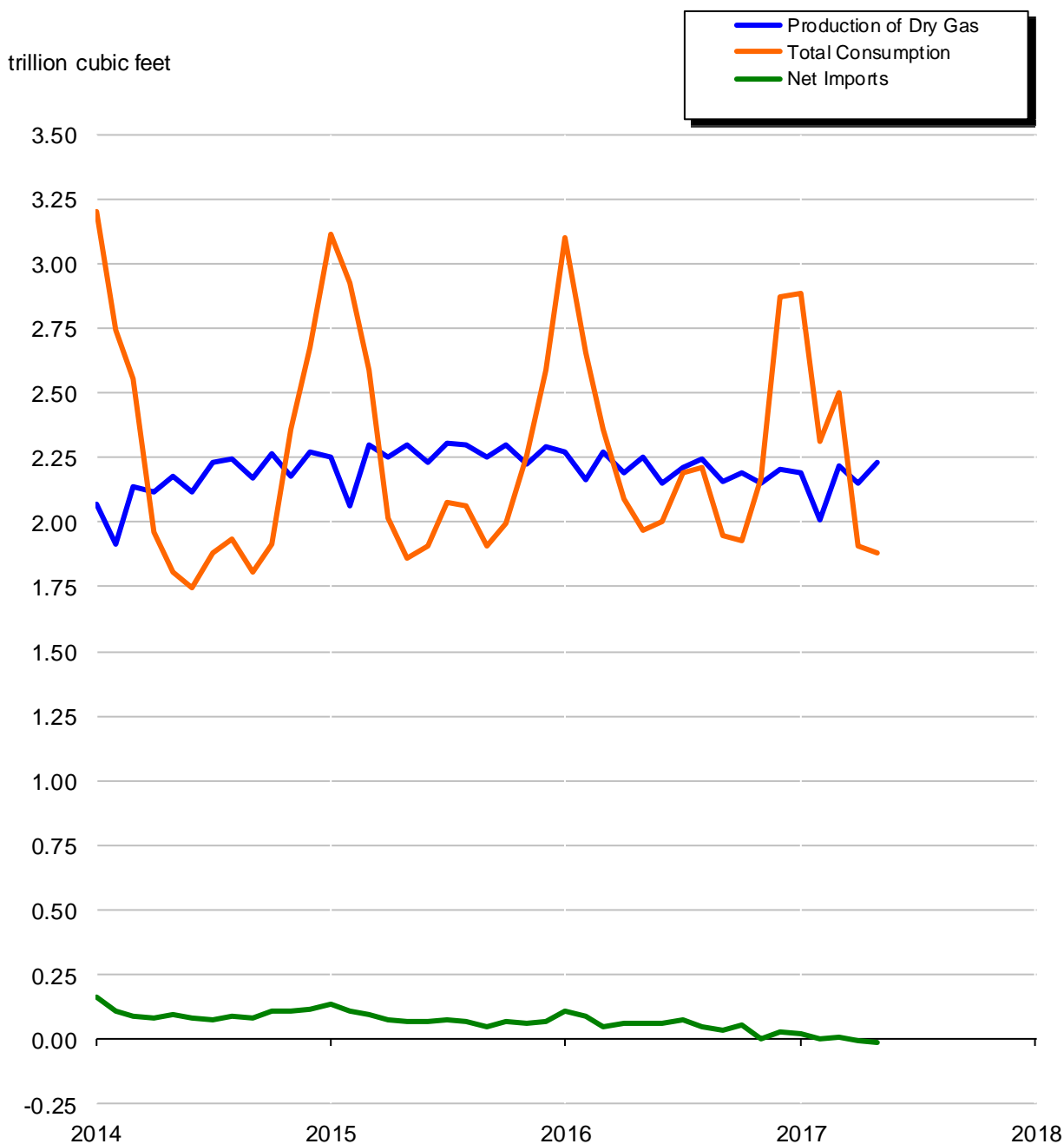
^{RE} Revised estimated data.

Notes: Data for 2012 through 2014 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 states and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-191, "Monthly Underground Gas Storage Report"; EIA computations and estimates; and Office of Fossil Energy, "Natural Gas Imports and Exports." See Table 7 for detailed source notes for Marketed Production. See Appendix A, Notes 3 and 4, for discussion of computation and estimation procedures and revision policies.

Figure 1

Figure 1. Production, consumption, and net imports of natural gas in the United States, 2014-2017



Sources: 2014-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report"; Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-191, "Monthly Underground Gas Storage Report"; EIA computations and estimates; and Office of Fossil Energy, "Natural Gas Imports and Exports."

Table 2. Natural gas consumption in the United States, 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	132	77	937	532	720	714	3	2,906	3,116	1,036
February	121	73	902	517	661	651	3	2,733	2,927	1,036
March	135	64	633	385	663	709	3	2,394	2,592	1,036
April	132	49	319	232	609	668	3	1,832	2,013	1,037
May	135	45	177	160	604	739	3	1,684	1,863	1,037
June	131	46	124	135	576	893	3	1,732	1,908	1,037
July	135	50	108	134	593	1,054	3	1,891	2,077	1,037
August	135	50	103	135	601	1,035	3	1,876	2,061	1,036
September	132	46	108	138	580	902	3	1,731	1,909	1,037
October	135	48	201	195	614	798	3	1,811	1,994	1,037
November	130	55	406	283	639	737	3	2,069	2,255	1,038
December	135	64	591	352	675	771	3	2,393	2,591	1,038
Total	1,587	666	4,610	3,199	7,535	9,671	39	25,054	27,306	1,037
2016										
January	£134	£76	£888	£507	720	771	£3	£2,889	£3,098	1,038
February	£127	£65	£697	£415	661	686	£3	2,463	2,655	1,038
March	£134	£58	459	299	662	743	£3	£2,166	2,358	1,037
April	£129	£51	331	234	620	721	£3	1,909	2,089	1,037
May	£133	£48	196	172	612	806	£3	£1,789	1,971	1,034
June	£127	£49	123	139	590	971	£3	1,827	2,003	1,034
July	£131	£53	108	136	616	1,142	£4	£2,005	2,190	1,034
August	£132	£54	101	141	627	1,155	£4	2,027	2,214	1,037
September	£127	£48	111	142	603	915	£4	1,775	£1,949	1,037
October	£130	£47	189	192	622	741	£4	1,749	1,925	1,036
November	£127	£53	385	282	653	664	£4	1,987	2,168	1,037
December	£130	£70	£802	464	733	669	£4	2,672	2,872	1,039
Total	£1,561	£671	£4,392	3,123	7,719	9,984	£41	£25,259	£27,491	1,037
2017										
January	£129	£70	834	479	727	639	£4	2,682	2,882	1,039
February	£119	£56	584	361	641	550	£3	2,140	2,315	1,038
March	£131	£61	582	370	689	667	£4	2,312	2,504	1,037
April	£127	£47	281	212	623	614	£4	1,734	£1,908	1,036
May	£132	£46	201	178	622	697	£4	1,702	1,880	1,035
2017 5-Month YTD	£639	£280	2,480	1,600	3,303	3,168	£18	10,569	11,488	1,037
2016 5-Month YTD	£657	£297	2,572	1,627	3,274	3,727	£16	11,216	12,170	1,037
2015 5-Month YTD	654	307	2,968	1,827	3,257	3,481	16	11,549	12,511	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.

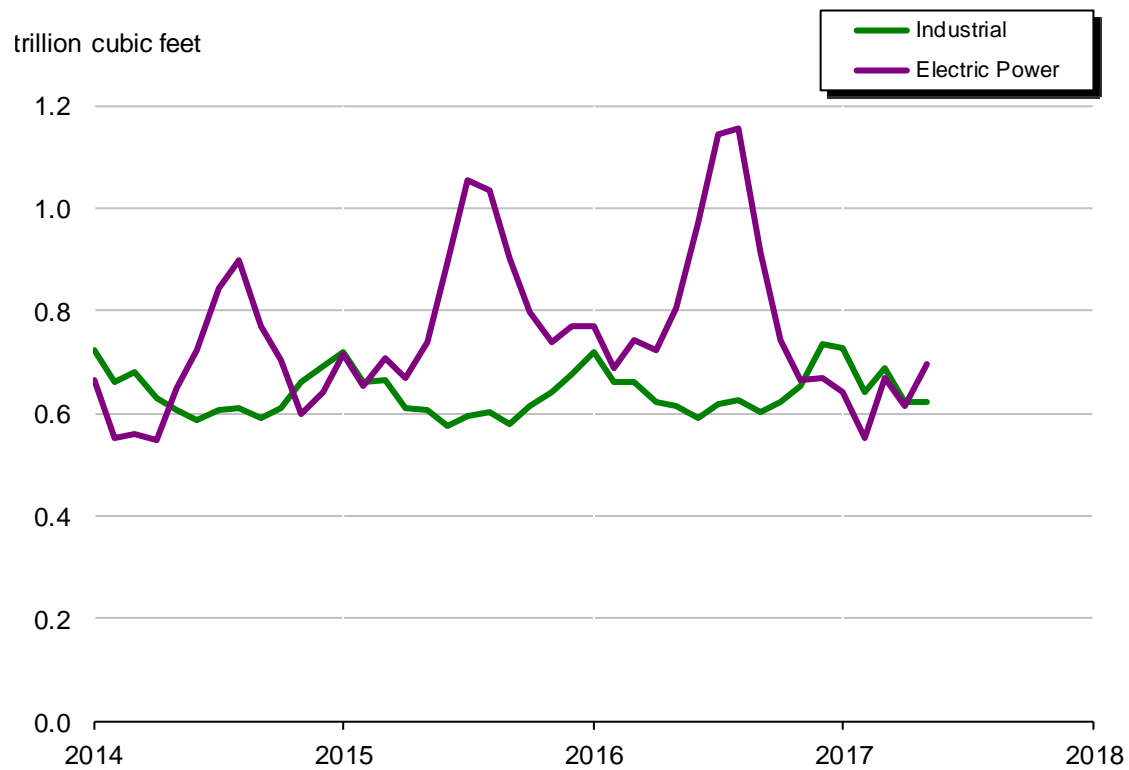
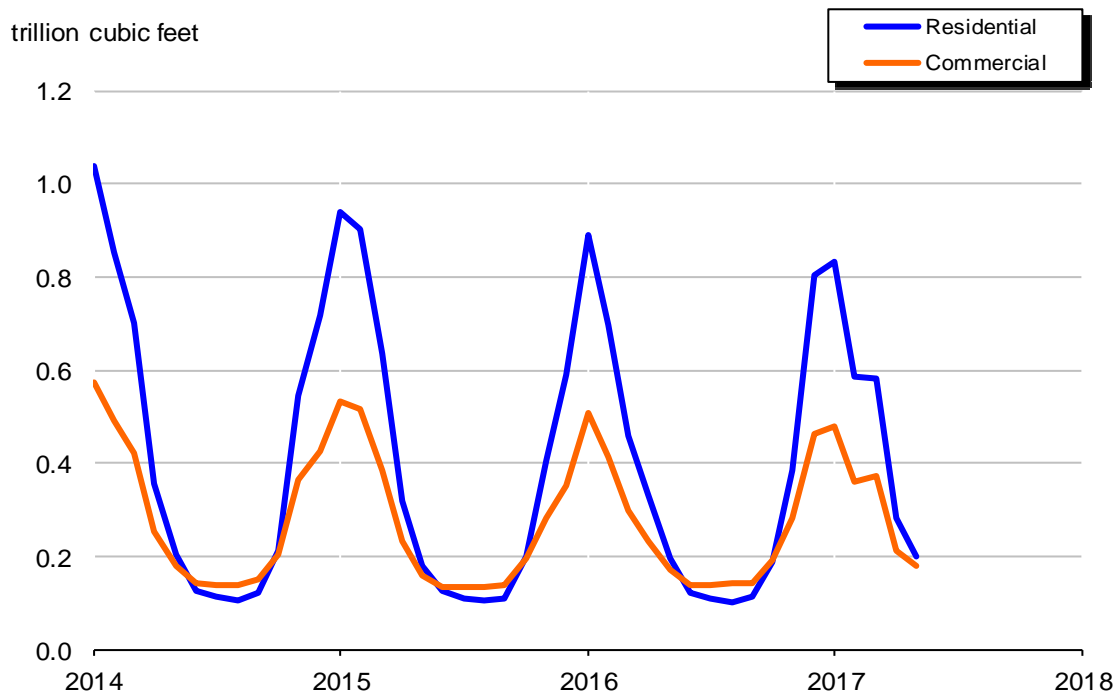
^E Estimated data.

Notes: 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. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Note 6, for definition of sectors.

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

Figure 2

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



Sources: 2014-2015: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-923, "Power Plant Operations Report"; EIA computations; and Natural Gas Annual 2015. January 2016 through current month: Form EIA-857 and Form EIA-923.

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

(dollars per thousand cubic feet, except where noted)

Year and Month	NGPL Composite Spot Price ^a	Natural Gas Spot Price ^b	Citygate Price	Delivered to Consumers						Electric Power Price ^d
				Residential		Commercial		Industrial		
				Price	% of Total ^c	Price	% of Total ^c	Price	% of Total ^c	
2012 Annual Average	10.98	2.75	4.73	10.65	95.8	8.10	65.2	3.88	16.2	3.54
2013 Annual Average	9.94	3.73	4.88	10.32	95.7	8.08	65.8	4.64	16.6	4.49
2014 Annual Average	9.56	4.37	5.71	10.97	95.5	8.90	65.8	5.62	15.9	5.19
2015										
January	5.08	2.99	4.48	9.50	95.7	8.14	70.9	4.87	15.0	4.29
February	5.70	2.87	4.57	9.08	95.6	7.81	71.0	4.71	15.4	4.99
March	5.52	2.83	4.36	9.28	95.4	7.84	69.9	4.43	15.6	3.71
April	5.58	2.61	3.93	10.44	95.4	8.02	64.8	3.94	14.9	3.23
May	5.25	2.85	4.24	12.73	95.4	8.13	61.2	3.56	15.4	3.28
June	4.78	2.78	4.44	15.07	95.5	8.52	57.9	3.74	14.9	3.24
July	4.73	2.84	4.65	16.28	95.7	8.49	56.9	3.73	14.9	3.23
August	4.42	2.77	4.59	16.89	95.4	8.45	55.6	3.77	14.6	3.22
September	4.89	2.66	4.56	16.40	95.9	8.42	55.8	3.63	14.8	3.19
October	4.95	2.34	4.00	12.60	95.5	7.78	59.5	3.52	14.9	3.03
November	4.72	2.09	3.68	10.02	96.0	7.39	63.9	3.26	15.1	2.78
December	4.23	1.93	3.75	9.27	96.1	7.22	67.6	3.45	15.2	2.71
Annual Average	4.97	2.62	4.26	10.38	95.7	7.91	65.9	3.91	15.1	3.37
2016										
January	3.69	2.28	3.40	R8.30	R96.1	R6.72	70.5	3.62	15.3	3.17
February	3.89	1.99	3.49	8.39	R95.8	6.83	69.5	3.63	15.4	2.83
March	4.48	1.73	3.49	9.21	95.6	7.05	66.8	3.04	15.3	2.33
April	4.65	1.92	3.22	R9.66	95.6	6.95	65.1	2.99	14.5	2.52
May	5.11	1.92	3.46	11.63	95.4	7.29	60.4	2.90	14.6	2.49
June	5.25	2.59	3.99	14.49	95.7	7.70	58.1	2.89	14.6	2.77
July	4.92	2.82	4.45	R16.59	95.9	8.10	57.0	3.57	14.3	3.07
August	4.94	2.82	4.37	17.65	95.8	R8.26	54.9	3.58	14.7	3.07
September	5.25	2.99	4.61	16.82	R96.0	8.28	56.2	3.73	14.6	3.19
October	6.05	2.98	4.19	R13.76	95.9	7.94	60.0	3.87	14.5	3.24
November	5.45	2.55	3.90	R10.77	96.0	R7.61	63.6	3.86	14.5	3.14
December	6.66	3.59	3.96	9.07	R96.0	7.25	68.2	4.31	14.7	4.16
Annual Average	5.04	2.52	3.73	R10.06	R95.8	7.25	64.9	3.51	14.8	2.99
2017										
January	6.77	3.30	4.22	9.38	96.0	7.58	70.4	4.90	15.0	4.32
February	7.25	2.85	4.10	10.05	95.9	7.89	69.0	4.62	15.1	3.74
March	5.91	2.88	3.84	9.91	95.7	7.68	67.8	4.02	15.0	3.52
April	6.25	3.10	4.18	11.38	95.2	8.04	65.0	R4.20	14.5	3.49
May	6.14	3.15	4.38	13.21	95.6	8.31	61.1	4.08	13.9	3.62
2017 5-Month YTD	6.44	3.06	4.11	10.23	95.8	7.82	67.7	4.38	14.7	3.74
2016 5-Month YTD	4.39	1.96	3.42	8.95	95.8	6.90	67.6	3.26	15.0	2.67
2015 5-Month YTD	5.42	2.83	4.40	9.65	95.6	7.96	68.9	4.33	15.2	3.88

^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.

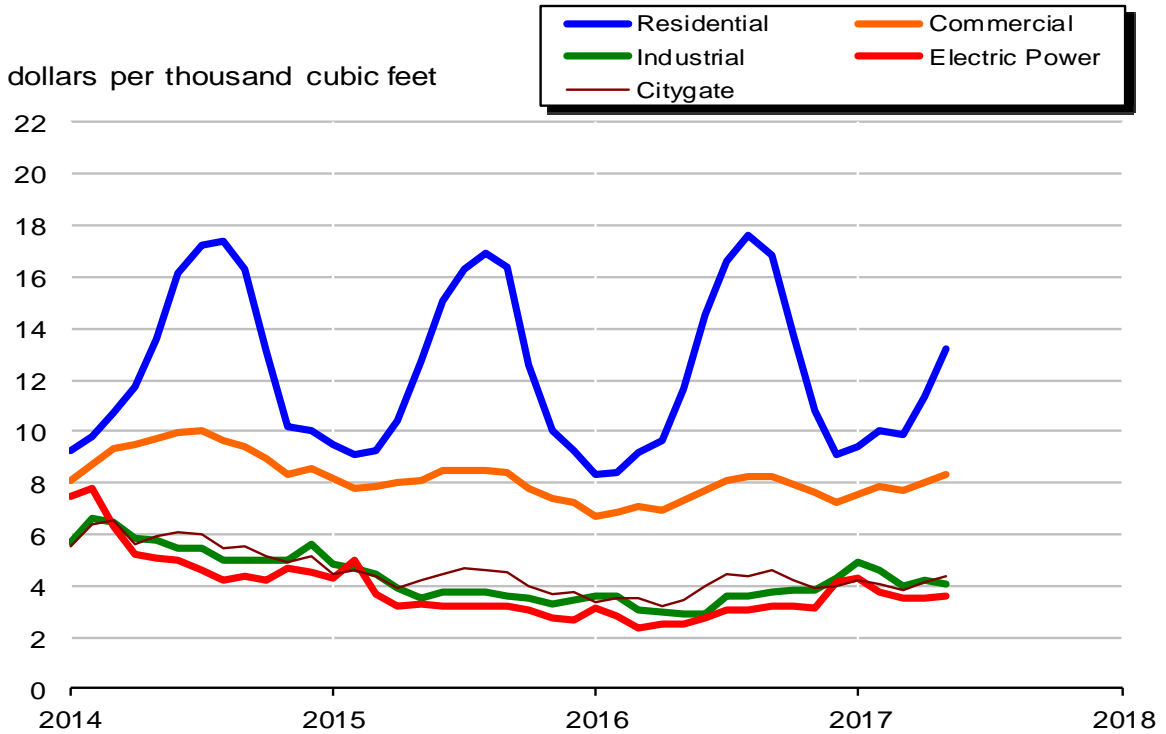
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^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: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Thompson Reuters; and EIA estimates.

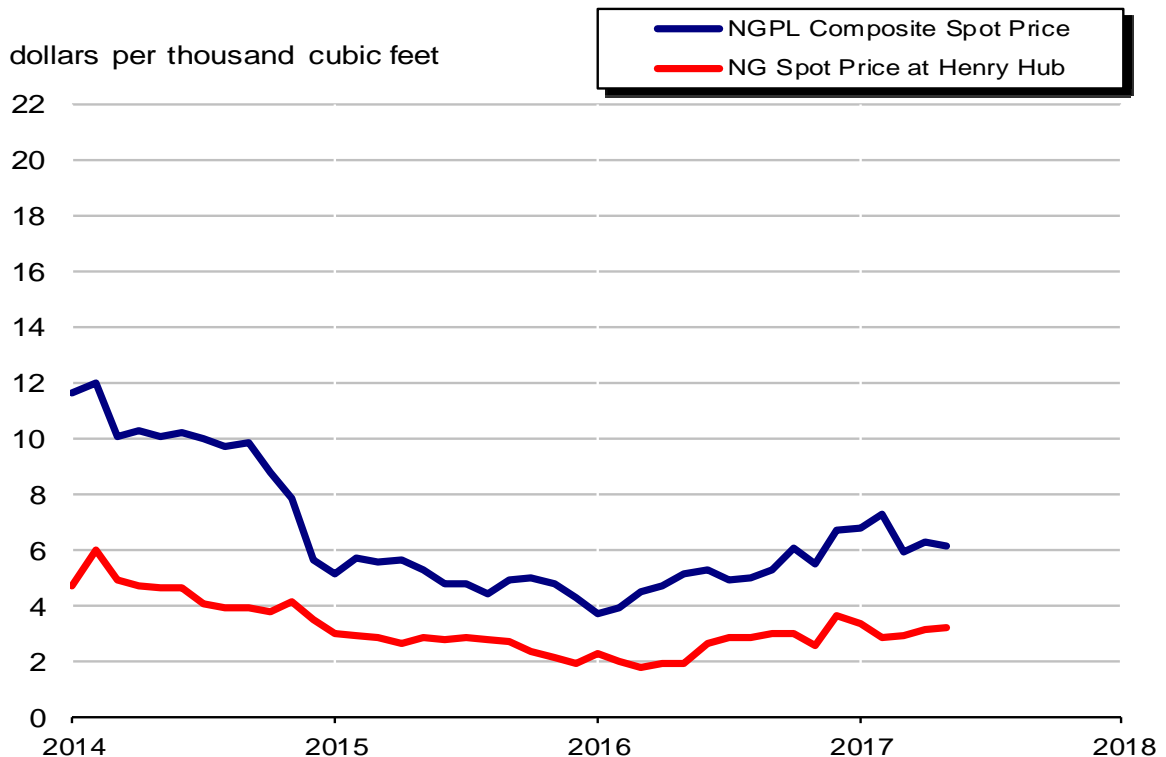
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2014-2017



Note: Prices are in nominal dollars.

Sources: 2014-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Thompson Reuters; and EIA estimates.

Figure 4. Spot prices of natural gas and natural gas plant liquids in the United States, 2014-2017



Note: Prices are in nominal dollars.

Sources: 2014-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*. January 2016 through current month: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"; Form EIA-910, "Monthly Natural Gas Marketer Survey"; Form EIA-923, "Power Plant Operations Report"; Form EIA-816; Bloomberg; Thompson Reuters; and EIA estimates.

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

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

	2017	2016	2015	2017			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	1,270,207	1,214,974	1,156,769	238,527	232,998	275,573	245,928
Mexico	396	340	395	78	79	83	74
Total Pipeline Imports	1,270,603	1,215,314	1,157,164	238,604	233,077	275,656	246,002
LNG							
By Truck							
Canada	440	465	119	220	186	8	8
By Vessel							
Nigeria	2,753	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	33,781	39,846	35,499	5,275	4,985	4,870	8,468
Yemen	0	0	7,441	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	36,975	40,311	43,059	5,494	5,171	4,878	8,477
CNG							
Canada	153	149	147	28	31	34	26
Total CNG Imports	153	149	147	28	31	34	26
Total Imports	1,307,731	1,255,774	1,200,370	244,126	238,279	280,567	254,504
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.79	1.82	3.44	2.59	2.53	2.57	2.81
Mexico	2.75	1.12	1.87	2.62	2.64	2.27	2.94
Total Pipeline Imports	2.79	1.82	3.44	2.59	2.53	2.57	2.81
LNG							
By Truck							
Canada	8.66	8.20	9.35	8.88	8.49	7.05	7.22
By Vessel							
Nigeria	5.82	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	4.98	4.36	9.07	3.65	3.56	4.34	6.39
Yemen	--	--	9.10	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	5.08	4.41	9.08	3.86	3.74	4.35	6.39
CNG							
Canada	4.55	2.48	6.52	1.86	1.76	1.91	6.07
Total CNG Imports	4.55	2.48	6.52	1.86	1.76	1.91	6.07
Total Imports	3.00	2.04	3.97	2.70	2.64	2.68	3.14
Net Imports - Volume	7,857	363,455	482,324	-9,747	R-8,973	8,724	-534

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
	January	Total	December	November	October	September	August
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	277,182	2,916,856	271,845	221,866	225,588	235,512	253,793
Mexico	83	917	64	83	83	82	90
Total Pipeline Imports	277,264	2,917,774	271,910	221,949	225,671	235,594	253,883
LNG							
By Truck							
Canada	18	924	16	41	58	72	84
By Vessel							
Nigeria	2,753	0	0	0	0	0	0
Norway	0	3,253	0	3,253	0	0	0
Trinidad/Tobago	10,183	84,190	8,838	5,779	5,696	2,810	7,998
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	12,955	88,367	8,854	9,073	5,753	2,882	8,082
CNG							
Canada	35	299	27	22	25	15	17
Total CNG Imports	35	299	27	22	25	15	17
Total Imports	290,254	3,006,439	280,791	231,044	231,449	238,491	261,983
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.40	2.18	3.31	2.41	2.50	2.42	2.29
Mexico	3.29	1.85	2.56	2.34	2.50	2.43	2.27
Total Pipeline Imports	3.40	2.18	3.31	2.41	2.50	2.42	2.29
LNG							
By Truck							
Canada	9.12	8.07	7.51	7.92	7.93	8.04	8.11
By Vessel							
Nigeria	5.82	--	--	--	--	--	--
Norway	--	3.12	--	3.12	--	--	--
Trinidad/Tobago	5.48	4.06	4.62	5.96	3.05	3.13	3.17
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	5.56	4.07	4.63	4.95	3.10	3.25	3.23
CNG							
Canada	10.64	1.97	3.24	0.97	0.72	1.22	1.20
Total CNG Imports	10.64	1.97	3.24	0.97	0.72	1.22	1.20
Total Imports	3.74	2.24	3.50	2.70	2.59	2.47	2.42
Net Imports - Volume	18,386	670,991	29,955	3,125	54,983	36,505	47,757

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
	July	June	May	April	March	February	January
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	259,132	234,145	243,017	236,451	232,095	241,948	261,462
Mexico	92	83	72	71	69	70	59
Total Pipeline Imports	259,224	234,229	243,088	236,522	232,164	242,019	261,521
LNG							
By Truck							
Canada	70	118	113	74	65	116	97
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Trinidad/Tobago	5,703	7,520	5,087	4,693	8,503	9,612	11,951
Yemen	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	5,773	7,638	5,200	4,767	8,568	9,728	12,048
CNG							
Canada	25	19	29	28	33	29	30
Total CNG Imports	25	19	29	28	33	29	30
Total Imports	265,022	241,885	248,317	241,317	240,764	251,775	273,600
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.26	1.76	1.44	1.51	1.55	2.12	2.42
Mexico	2.45	1.41	1.10	1.03	0.82	1.22	1.50
Total Pipeline Imports	2.26	1.76	1.44	1.51	1.55	2.12	2.42
LNG							
By Truck							
Canada	7.95	7.80	7.72	7.88	8.74	8.58	8.21
By Vessel							
Nigeria	--	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--
Trinidad/Tobago	3.15	3.11	3.36	3.23	3.25	5.08	5.45
Yemen	--	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	3.21	3.18	3.45	3.30	3.29	5.12	5.48
CNG							
Canada	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total CNG Imports	1.62	0.63	1.10	1.05	1.54	3.27	5.41
Total Imports	2.35	1.90	1.55	1.61	1.73	2.43	2.80
Net Imports - Volume	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
Imports							
Volume (million cubic feet)							
Pipeline							
Canada ^a	2,625,359	221,550	210,632	217,493	203,066	202,567	209,698
Mexico	933	64	72	83	83	82	80
Total Pipeline Imports	2,626,291	221,613	210,704	217,576	203,150	202,649	209,779
LNG							
By Truck							
Canada	437	59	45	43	45	44	41
By Vessel							
Nigeria	0	0	0	0	0	0	0
Norway	12,194	3,105	3,097	5,992	0	0	0
Trinidad/Tobago	71,439	2,453	4,373	2,653	5,609	11,161	7,133
Yemen	7,441	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total LNG Imports	91,511	5,618	7,515	8,689	5,654	11,205	7,173
CNG							
Canada	291	26	23	21	15	21	21
Total CNG Imports	291	26	23	21	15	21	21
Total Imports	2,718,094	227,257	218,242	226,286	208,818	213,875	216,973
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.84	2.13	2.19	2.37	2.49	2.51	2.44
Mexico	1.71	1.22	1.08	1.55	1.65	1.84	1.83
Total Pipeline Imports	2.84	2.13	2.19	2.37	2.49	2.51	2.44
LNG							
By Truck							
Canada	8.69	8.12	8.21	8.40	8.36	8.76	8.43
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
Yemen	9.10	--	--	--	--	--	--
Other	--	--	--	--	--	--	--
Total LNG Imports	7.37	4.02	4.20	12.38	6.03	3.45	4.53
CNG							
Canada	4.18	3.78	3.02	1.99	1.14	0.52	0.45
Total CNG Imports	4.18	3.78	3.02	1.99	1.14	0.52	0.45
Total Imports	2.99	2.28	2.40	3.23	2.75	2.74	2.66
Net Imports - Volume	934,581	65,503	62,503	67,768	46,245	68,991	73,153

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

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

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

^c Revised data.

^d Not applicable.

Note: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. Prices are in nominal dollars. 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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	430,703	338,923	338,018	63,982	80,532	99,489	87,890
Mexico	610,696	519,952	371,519	129,110	116,027	128,774	115,089
Total Pipeline Exports	1,041,400	858,875	709,537	193,092	196,559	228,263	202,979
LNG							
Exports							
By Vessel							
Argentina	13,327	6,310	0	3,192	10,135	0	0
Barbados	88	9	0	15	15	20	15
Brazil	3,676	5,263	0	3,676	0	0	0
Chile	11,796	6,230	0	0	5,894	2,951	2,950
China	17,243	0	0	3,514	0	0	10,338
Dominican Republic	2,934	0	0	0	0	2,934	0
Egypt	0	0	0	0	0	0	0
India	7,022	2,844	0	0	0	0	3,399
Italy	0	0	0	0	0	0	0
Japan	25,303	0	0	3,667	7,398	0	3,705
Jordan	18,420	0	0	3,453	0	6,655	2,945
Kuwait	16,803	3,610	0	3,281	6,784	3,360	3,378
Malta	867	0	0	0	0	0	0
Mexico	62,898	0	0	10,023	13,730	10,728	14,407
Netherlands	3,042	0	0	3,042	0	0	0
Pakistan	3,166	0	0	0	0	3,166	0
Poland	3,440	0	0	3,440	0	0	0
Portugal	8,759	3,700	0	3,625	0	0	1,692
South Korea	17,154	0	0	6,818	3,295	7,042	0
Spain	11,768	0	0	0	0	0	1,766
Taiwan	2,949	0	2,748	2,949	0	0	0
Thailand	3,113	0	0	0	0	3,113	0
Turkey	10,923	0	0	0	0	3,521	7,402
United Arab Emirates	13,408	3,391	0	10,062	3,347	0	0
By Truck							
Canada	3	2	28	0	0	3	0
Mexico	286	129	87	26	70	61	44
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	1,290	5,533	0	0	0	0
Egypt	0	0	0	0	0	0	0
India	0	547	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	258,388	33,324	8,396	60,782	50,669	43,553	52,042
CNG							
Canada	87	120	113	0	24	27	18
Total CNG Exports	87	120	113	0	24	27	18
Total Exports	1,299,874	892,320	718,046	253,874	247,251	271,843	255,038

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
	January	Total	December	November	October	September	August
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	98,811	771,094	97,178	74,544	43,471	61,499	55,012
Mexico	121,696	1,377,305	111,815	120,378	129,984	123,722	132,446
Total Pipeline Exports	220,508	2,148,399	208,993	194,922	173,455	185,222	187,458
LNG							
Exports							
By Vessel							
Argentina	0	16,661	0	0	0	0	2,190
Barbados	22	100	22	18	15	14	11
Brazil	0	9,196	0	0	0	0	3,933
Chile	0	29,405	0	2,940	0	0	9,518
China	3,391	17,221	6,747	7,341	0	0	0
Dominican Republic	0	2,945	0	0	0	0	2,945
Egypt	0	3,606	3,606	0	0	0	0
India	3,623	16,915	0	3,115	0	3,639	3,701
Italy	0	3,328	0	3,328	0	0	0
Japan	10,533	11,137	11,137	0	0	0	0
Jordan	5,368	9,870	0	0	2,942	3,362	0
Kuwait	0	7,068	0	0	0	3,458	0
Malta	867	0	0	0	0	0	0
Mexico	14,010	27,470	7,169	13,300	0	3,315	3,686
Netherlands	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0
Portugal	3,442	3,700	0	0	0	0	0
South Korea	0	10,166	10,166	0	0	0	0
Spain	10,002	2,930	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0
Turkey	0	8,762	2,936	2,886	0	2,941	0
United Arab Emirates	0	3,391	0	0	0	0	0
By Truck							
Canada	0	2	0	0	1	0	0
Mexico	85	375	42	48	42	35	30
Re-Exports							
By Vessel							
Argentina	0	612	0	0	0	0	612
Brazil	0	1,433	0	0	0	0	142
Egypt	0	0	0	0	0	0	0
India	0	547	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	51,342	186,841	41,825	32,976	3,000	16,764	26,768
CNG							
Canada	19	208	18	22	11	0	0
Total CNG Exports	19	208	18	22	11	0	0
Total Exports	271,868	2,335,448	250,836	227,919	176,466	201,986	214,226

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
	July	June	May	April	March	February	January
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	49,750	50,715	62,768	62,931	81,403	62,192	69,629
Mexico	123,173	115,836	115,606	104,857	103,413	97,234	98,841
Total Pipeline Exports	172,923	166,551	178,375	167,789	184,816	159,426	168,470
LNG							
Exports							
By Vessel							
Argentina	0	8,161	0	6,310	0	0	0
Barbados	8	2	1	3	2	2	0
Brazil	0	0	0	0	3,270	1,993	0
Chile	6,074	4,643	6,230	0	0	0	0
China	3,132	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0
India	0	3,617	0	0	2,844	0	0
Italy	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0
Jordan	3,566	0	0	0	0	0	0
Kuwait	0	0	3,610	0	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0
Portugal	0	0	0	3,700	0	0	0
South Korea	0	0	0	0	0	0	0
Spain	2,930	0	0	0	0	0	0
Taiwan	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	3,391	0	0
By Truck							
Canada	0	0	0	0	0	0	2
Mexico	28	22	33	23	24	24	25
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	1,290	0
Egypt	0	0	0	0	0	0	0
India	0	0	0	0	547	0	0
Turkey	0	0	0	0	0	0	0
Total LNG Exports	15,739	16,445	9,874	10,036	10,078	3,309	26
CNG							
Canada	20	18	25	28	21	22	25
Total CNG Exports	20	18	25	28	21	22	25
Total Exports	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
Exports							
Volume (million cubic feet)							
Pipeline							
Canada	700,647	58,603	61,260	57,430	59,695	40,986	39,995
Mexico	1,054,271	99,952	91,490	98,314	100,111	101,131	101,031
Total Pipeline Exports	1,754,918	158,555	152,750	155,744	159,806	142,117	141,027
LNG							
Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Barbados	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0
China	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	0	0	0
Egypt	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0
Italy	0	0	0	0	0	0	0
Japan	8,262	0	0	2,755	0	2,753	2,753
Jordan	0	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0
South Korea	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0
Taiwan	8,257	0	0	0	2,755	0	0
Thailand	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0
By Truck							
Canada	41	0	1	0	2	0	5
Mexico	195	27	21	14	11	10	13
Re-Exports							
By Vessel							
Argentina	0	0	0	0	0	0	0
Brazil	5,533	0	0	0	0	0	0
Egypt	2,947	0	2,947	0	0	0	0
India	0	0	0	0	0	0	0
Turkey	3,145	3,145	0	0	0	0	0
Total LNG Exports	28,381	3,172	2,969	2,769	2,767	2,763	2,771
CNG							
Canada	214	27	20	4	0	5	23
Total CNG Exports	214	27	20	4	0	5	23
Total Exports	1,783,512	161,754	155,739	158,517	162,573	144,885	143,820

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

See footnotes at end of table.

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

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

	2017 5-Month YTD	2016 5-Month YTD	2015 5-Month YTD	2017			
				May	April	March	February
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.30	2.21	3.61	3.16	3.19	3.01	3.21
Mexico	3.26	2.12	3.01	3.20	3.27	2.93	3.24
Total Pipeline Exports	3.27	2.15	3.30	3.19	3.24	2.97	3.23
LNG							
Exports							
By Vessel							
Argentina	4.81	4.16	--	4.77	4.82	--	--
Barbados	10.40	11.30	--	10.40	10.40	10.40	10.40
Brazil	4.63	3.72	--	4.63	--	--	--
Chile	6.69	4.72	--	--	6.65	6.26	7.18
China	4.81	--	--	4.62	--	--	4.92
Dominican Republic	5.59	--	--	--	--	5.59	--
Egypt	--	--	--	--	--	--	--
India	4.39	3.99	--	--	--	--	4.06
Italy	--	--	--	--	--	--	--
Japan	6.84	--	--	6.88	6.92	--	7.18
Jordan	4.82	--	--	3.76	--	4.42	4.06
Kuwait	4.36	3.27	--	4.77	4.19	3.14	5.50
Malta	4.70	--	--	--	--	--	--
Mexico	5.64	--	--	4.67	4.31	5.25	6.40
Netherlands	6.35	--	--	6.35	--	--	--
Pakistan	3.14	--	--	--	--	3.14	--
Poland	4.26	--	--	4.26	--	--	--
Portugal	6.88	3.58	--	6.35	--	--	7.18
South Korea	4.73	--	--	4.88	6.39	3.81	--
Spain	6.41	--	--	--	--	--	7.18
Taiwan	4.43	--	7.50	4.43	--	--	--
Thailand	3.14	--	--	--	--	3.14	--
Turkey	6.17	--	--	--	--	4.60	6.91
United Arab Emirates	3.87	4.18	--	3.89	3.80	--	--
By Truck							
Canada	8.39	7.41	12.54	--	--	8.39	--
Mexico	9.25	9.75	10.52	8.90	8.95	8.64	9.97
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	3.54	15.20	--	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	3.99	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	5.38	4.02	12.62	4.80	5.16	4.47	5.99
CNG							
Canada	6.29	3.28	7.42	--	3.35	3.32	7.73
Total CNG Exports	6.29	3.28	7.42	--	3.35	3.32	7.73
Total Exports	3.69	2.22	3.41	3.57	3.63	3.21	3.79

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
	January	Total	December	November	October	September	August
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.85	2.60	3.82	2.71	2.72	2.83	2.65
Mexico	3.66	2.64	3.51	2.75	3.16	3.06	2.92
Total Pipeline Exports	3.74	2.63	3.65	2.74	3.05	2.99	2.84
LNG							
Exports							
By Vessel							
Argentina	--	4.47	--	--	--	--	4.51
Barbados	10.40	10.12	10.00	10.00	10.00	10.00	10.00
Brazil	--	4.39	--	--	--	--	5.29
Chile	--	5.30	--	5.64	--	--	5.53
China	4.70	4.16	4.50	3.21	--	--	--
Dominican Republic	--	5.41	--	--	--	--	5.41
Egypt	--	6.46	6.46	--	--	--	--
India	4.70	4.92	--	5.74	--	5.00	5.01
Italy	--	6.32	--	6.32	--	--	--
Japan	6.65	3.76	3.76	--	--	--	--
Jordan	6.41	5.11	--	--	3.52	5.74	--
Kuwait	--	4.40	--	--	--	5.58	--
Malta	4.70	--	--	--	--	--	--
Mexico	7.15	4.56	4.14	4.64	--	5.53	4.23
Netherlands	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--
Portugal	7.29	3.58	--	--	--	--	--
South Korea	--	5.75	5.75	--	--	--	--
Spain	6.28	4.92	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--
Turkey	--	3.53	3.87	3.30	--	3.41	--
United Arab Emirates	--	4.18	--	--	--	--	--
By Truck							
Canada	--	7.50	--	--	7.70	--	--
Mexico	9.66	9.81	10.20	9.72	10.06	9.78	9.72
Re-Exports							
By Vessel							
Argentina	--	4.51	--	--	--	--	4.51
Brazil	--	3.64	--	--	--	--	4.57
Egypt	--	--	--	--	--	--	--
India	--	3.99	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	6.44	4.71	4.68	4.58	3.65	5.11	5.13
CNG							
Canada	12.97	3.30	4.72	2.55	2.53	--	--
Total CNG Exports	12.97	3.30	4.72	2.55	2.53	--	--
Total Exports	4.25	2.79	3.82	3.00	3.06	3.16	3.13

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						
	July	June	May	April	March	February	January
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	2.73	2.23	1.98	2.07	1.99	2.34	2.66
Mexico	2.80	2.46	2.06	2.03	1.88	2.20	2.45
Total Pipeline Exports	2.78	2.39	2.03	2.04	1.93	2.26	2.54
LNG							
Exports							
By Vessel							
Argentina	--	4.71	--	4.16	--	--	--
Barbados	10.00	10.00	10.00	10.00	15.19	10.00	--
Brazil	--	--	--	--	3.83	3.54	--
Chile	5.82	4.69	4.72	--	--	--	--
China	5.66	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--	--
Egypt	--	--	--	--	--	--	--
India	--	4.77	--	--	3.98	--	--
Italy	--	--	--	--	--	--	--
Japan	--	--	--	--	--	--	--
Jordan	5.81	--	--	--	--	--	--
Kuwait	--	--	3.27	--	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--
Portugal	--	--	--	3.58	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	4.92	--	--	--	--	--	--
Taiwan	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	4.18	--	--
By Truck							
Canada	--	--	--	--	--	--	7.41
Mexico	9.76	9.43	9.67	8.99	8.96	10.16	10.96
Re-Exports							
By Vessel							
Argentina	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	3.54	--
Egypt	--	--	--	--	--	--	--
India	--	--	--	--	3.98	--	--
Turkey	--	--	--	--	--	--	--
Total LNG Exports	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	3.02	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
Exports							
Average Price (dollars per thousand cubic feet)							
Pipeline							
Canada	3.15	2.30	2.50	2.76	2.97	2.97	2.84
Mexico	2.81	2.30	2.26	2.61	2.77	3.00	3.01
Total Pipeline Exports	2.95	2.30	2.36	2.66	2.84	2.99	2.96
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	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--
South Korea	--	--	--	--	--	--	--
Spain	--	--	--	--	--	--	--
Taiwan	7.49	--	--	--	7.16	--	--
Thailand	--	--	--	--	--	--	--
Turkey	--	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--
By Truck							
Canada	12.36	--	6.81	--	10.18	--	13.39
Mexico	10.44	10.90	10.59	10.48	9.81	9.94	9.96
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
CNG							
Canada	5.73	5.46	4.80	3.42	--	2.08	2.91
Total CNG Exports	5.73	5.46	4.80	3.42	--	2.08	2.91
Total Exports	3.07	2.57	2.63	2.73	2.92	3.09	3.06

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					
	June	May	April	March	February	January
Exports						
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	2.85	2.85	2.91	3.71	4.39	3.63
Mexico	2.94	2.86	2.77	3.03	3.10	3.38
Total Pipeline Exports	2.91	2.85	2.83	3.40	3.81	3.51
LNG						
Exports						
By Vessel						
Argentina	--	--	--	--	--	--
Barbados	--	--	--	--	--	--
Brazil	--	--	--	--	--	--
Chile	--	--	--	--	--	--
China	--	--	--	--	--	--
Dominican Republic	--	--	--	--	--	--
Egypt	--	--	--	--	--	--
India	--	--	--	--	--	--
Italy	--	--	--	--	--	--
Japan	--	--	--	--	--	--
Jordan	--	--	--	--	--	--
Kuwait	--	--	--	--	--	--
Malta	--	--	--	--	--	--
Mexico	--	--	--	--	--	--
Netherlands	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--
Poland	--	--	--	--	--	--
Portugal	--	--	--	--	--	--
South Korea	--	--	--	--	--	--
Spain	--	--	--	--	--	--
Taiwan	7.80	7.50	--	--	--	--
Thailand	--	--	--	--	--	--
Turkey	--	--	--	--	--	--
United Arab Emirates	--	--	--	--	--	--
By Truck						
Canada	12.01	12.14	11.88	12.77	12.77	13.27
Mexico	10.01	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	7.82	7.53	10.53	11.10	12.87	17.39
CNG						
Canada	2.44	2.37	3.35	10.08	10.53	11.89
Total CNG Exports	2.44	2.37	3.35	10.08	10.53	11.89
Total Exports	3.01	2.95	2.83	3.41	3.98	3.78

^R Revised data.

-- Not applicable.

Notes: In the case of missing import or export reports on Form FE-746R, "Import and Export of Natural Gas," EIA estimates the missing volumes using pipeline flows or other available information. LNG re-exports are shipments of LNG to foreign countries that were previously imported, offloaded into above-ground LNG storage tanks, and then subsequently reloaded onto tankers for delivery to other countries. Prices are in nominal dollars. LNG prices are a volume-weighted average of the prices reported by cargo. See the "LNG Monthly" (<https://energy.gov/fe/listings/lng-reports>) from the Office of Fossil Energy, U.S. Department of Energy, for more information on what is included in the individual LNG prices.

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

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2012-2017

(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
2012 Total	3,164,791	1,146,168	246,822	1,709,376	296,299	2,955,437	66,954	1,276,296	258,568	84,482
2013 Total	3,215,358	1,139,654	252,310	1,604,860	292,467	2,366,943	63,242	1,247,394	345,787	166,017
2014 Total	3,168,545	1,122,733	238,988	1,643,487	286,480	1,968,618	59,160	1,266,379	463,216	512,371
2015										
January	291,928	90,124	19,579	143,307	27,171	151,130	5,016	103,388	45,747	64,049
February	254,488	78,243	17,865	131,720	24,406	140,835	4,575	97,970	41,409	60,157
March	299,987	88,842	19,670	145,431	26,626	153,695	4,876	110,022	47,317	69,570
April	284,701	87,259	20,597	140,951	23,209	151,485	4,909	107,842	46,081	70,792
May	261,374	89,383	21,197	144,431	23,790	156,771	4,994	111,792	50,543	77,865
June	223,007	84,146	19,568	140,779	22,937	145,362	4,784	107,456	49,641	84,693
July	221,334	85,283	19,225	142,461	23,438	150,784	4,941	109,397	51,446	88,406
August	204,070	83,697	19,466	146,089	23,484	149,518	4,756	112,943	50,999	87,904
September	261,160	81,249	18,394	138,917	22,506	145,577	4,573	110,650	48,085	89,371
October	279,437	82,955	18,456	146,669	23,053	149,599	4,827	113,014	51,373	104,127
November	289,760	78,958	17,929	140,798	21,720	145,573	4,562	108,823	50,294	104,731
December	304,055	80,135	19,114	143,282	22,896	144,468	4,608	103,162	51,807	113,185
Total	3,175,301	1,010,274	231,060	1,704,836	285,236	1,784,797	57,421	1,296,458	584,743	1,014,848
2016										
January	298,809	£77,842	£18,737	£143,629	£22,543	£158,907	£4,521	£100,031	£50,146	£112,423
February	273,296	£71,967	£17,100	£134,325	£20,866	£153,090	£4,233	£99,889	£47,912	£116,401
March	295,244	£74,543	£18,166	£143,636	£22,110	£152,390	£4,426	£109,105	£51,852	£120,760
April	246,120	£70,831	£17,618	£139,949	£21,173	£154,885	£4,275	£106,844	£47,507	£118,944
May	269,204	£71,791	£18,074	£144,657	£21,621	£160,319	£4,461	£109,650	£51,206	£121,778
June	233,820	£67,340	£17,229	£136,813	£20,531	£150,242	£4,285	£105,916	£50,039	£115,207
July	239,444	£68,255	£17,568	£142,734	£21,010	£162,636	£4,312	£110,960	£52,714	£117,841
August	250,325	£67,204	£17,814	£146,011	£20,642	£159,759	£4,158	£111,397	£51,172	£132,639
September	249,270	£64,224	£17,174	£140,186	£19,871	£152,314	£4,094	£107,605	£48,297	£131,410
October	271,932	£65,950	£17,602	£145,883	£20,240	£154,845	£4,197	£109,664	£53,381	£126,902
November	293,970	£63,331	£16,966	£141,394	£19,654	£153,348	£4,166	£108,125	£53,006	£122,054
December	308,512	£63,639	£17,402	£144,060	£19,263	£156,866	£4,089	£107,806	£47,889	£130,496
Total	3,229,946	£826,917	£211,451	£1,703,277	£249,524	£1,869,601	£51,219	£1,286,992	£605,122	£1,466,854
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	£59,915	£16,571	£136,511	£18,215	£156,721	£3,953	£107,739	£55,345	£130,850
May	286,657	£61,119	£17,195	£139,316	£18,528	£164,255	£4,119	£111,809	£57,601	£134,791
2017 5-Month YTD	1,458,266	£308,268	£83,259	£691,544	£92,778	£784,174	£19,891	£531,121	£263,673	£651,676
2016 5-Month YTD	1,382,673	£366,974	£89,696	£706,197	£108,313	£779,591	£21,917	£525,519	£248,624	£590,305
2015 5-Month YTD	1,392,479	433,851	98,908	705,840	125,201	753,915	24,370	531,014	231,096	342,432

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	740,385	37,590	110,332	166,745	52,270	107,666	2,771,263
February	186,741	370,836	679,948	34,974	98,200	150,995	47,048	95,362	2,515,773
March	216,067	413,155	756,890	39,723	113,381	170,414	51,081	96,912	2,823,658
April	209,983	392,752	736,605	38,096	110,279	167,169	49,261	108,323	2,750,295
May	214,639	391,332	754,023	38,525	120,138	167,208	50,778	112,453	2,791,236
June	211,079	376,856	727,689	36,673	113,604	164,051	50,068	106,469	2,668,863
July	217,883	401,777	753,526	36,655	115,055	167,282	51,037	118,119	2,758,050
August	213,529	409,771	748,215	33,179	114,871	167,987	50,905	120,585	2,741,970
September	204,298	398,110	731,049	31,097	111,932	163,129	49,140	117,454	2,726,691
October	209,342	407,234	739,603	31,636	108,711	168,572	50,648	112,099	2,801,357
November	201,517	409,344	713,058	30,898	96,829	163,860	48,532	104,003	2,731,190
December	207,703	433,795	720,290	34,255	105,489	166,317	49,888	109,935	2,814,383
Total	2,499,599	4,812,983	8,801,282	423,300	1,318,822	1,983,731	600,656	1,309,380	32,894,727
2016									
January	£214,000	£447,447	£707,527	£34,199	£114,272	£155,930	£49,350	£108,752	£2,819,066
February	£201,258	£430,800	£664,972	£31,283	£108,093	£145,478	£46,199	£101,117	£2,668,278
March	£214,561	£452,601	£702,555	£33,192	£112,282	£156,116	£48,544	£111,315	£2,823,398
April	£203,524	£429,503	£680,919	£31,720	£110,827	£148,710	£46,788	£101,883	£2,682,021
May	£211,836	£441,974	£698,238	£31,762	£114,948	£148,721	£48,257	£110,027	£2,778,526
June	£202,081	£434,819	£675,064	£29,847	£104,295	£145,310	£45,823	£96,330	£2,634,991
July	£210,617	£443,676	£684,636	£30,500	£119,222	£136,600	£47,182	£99,929	£2,709,835
August	£211,218	£443,604	£684,429	£30,359	£119,208	£139,752	£46,706	£105,654	£2,742,050
September	£202,202	£419,040	£652,653	£29,003	£114,934	£145,418	£45,306	£96,905	£2,639,906
October	£206,225	£421,765	£668,817	£29,312	£118,134	£152,671	£46,582	£103,487	£2,717,589
November	£195,366	£437,277	£638,439	£27,790	£116,078	£145,935	£44,879	£101,770	£2,683,548
December	£195,424	£461,466	£640,971	£28,283	£122,817	£146,200	£45,661	£107,334	£2,748,177
Total	£2,468,312	£5,263,973	£8,099,218	£367,251	£1,375,108	£1,766,840	£561,276	£1,244,503	£32,647,385
2017									
January	£193,927	£461,677	£642,478	£27,708	£123,989	£141,236	£45,362	£105,934	£2,732,028
February	£179,163	£419,527	£593,768	£25,035	£112,378	£130,019	£40,643	£93,871	£2,508,070
March	RE207,995	RE459,647	RE648,931	RE27,670	RE126,645	RE144,709	£44,612	RE105,746	RE2,779,059
April	RE202,545	RE446,635	RE632,910	RE26,561	RE123,400	RE141,208	RE42,804	RE93,874	RE2,682,706
May	£207,434	£458,327	£666,020	£27,531	£133,363	£141,696	£44,245	£98,979	£2,772,985
2017 5-Month YTD	£991,063	£2,245,812	£3,184,107	£134,506	£619,774	£698,867	£217,666	£498,405	£13,474,848
2016 5-Month YTD	£1,045,179	£2,202,326	£3,454,211	£162,156	£560,422	£754,955	£239,137	£533,094	£13,771,290
2015 5-Month YTD	1,034,247	1,976,094	3,667,850	188,908	552,331	822,532	250,439	520,716	13,652,223

E Estimated data.

RE Revised estimated data.

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

Sources: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and its predecessor, "Monthly Natural Gas Production Report"; BSEE reports; PointLogic Energy; Ventyx; BENTEK Energy; industry reports; and EIA computations.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 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	90,124	19,579	143,307	27,171	150,559	5,016	99,904	34,890	64,049
February	27,510	78,243	17,865	131,720	24,406	140,258	4,575	94,642	32,891	60,157
March	30,523	88,842	19,670	145,431	26,626	152,988	4,876	105,697	37,313	69,570
April	29,759	87,259	20,597	140,951	23,209	150,812	4,909	103,230	37,433	70,792
May	29,124	89,383	21,197	144,431	23,790	156,076	4,994	106,836	40,751	77,865
June	26,000	84,146	19,568	140,779	22,937	144,605	4,784	102,625	40,074	84,693
July	26,682	85,283	19,225	142,461	23,438	150,102	4,941	104,033	40,622	88,406
August	25,176	83,697	19,466	146,089	23,484	148,908	4,756	107,577	39,931	87,904
September	27,601	81,249	18,394	138,917	22,506	144,978	4,573	106,601	38,665	89,371
October	29,190	82,955	18,456	146,669	23,053	148,924	4,827	109,119	43,503	104,127
November	29,589	78,958	17,929	140,798	21,720	144,929	4,562	104,888	41,842	104,731
December	30,941	80,135	19,114	143,282	22,896	143,661	4,608	99,659	43,589	113,185
Total	343,534	1,010,274	231,060	1,704,836	285,236	1,776,800	57,421	1,244,811	471,504	1,014,848
2016										
January	30,686	£77,842	£18,737	£143,629	£22,543	£158,192	£4,521	£95,640	£41,822	£112,423
February	28,434	£71,967	£17,100	£134,325	£20,866	£152,401	£4,233	£95,504	£39,959	£116,401
March	29,893	£74,543	£18,166	£143,636	£22,110	£151,705	£4,426	£104,315	£43,245	£120,760
April	26,259	£70,831	£17,618	£139,949	£21,173	£154,188	£4,275	£102,153	£39,621	£118,944
May	27,071	£71,791	£18,074	£144,657	£21,621	£159,598	£4,461	£104,836	£42,706	£121,778
June	24,882	£67,340	£17,229	£136,813	£20,531	£149,566	£4,285	£101,266	£41,733	£115,207
July	25,025	£68,255	£17,568	£142,734	£21,010	£161,904	£4,312	£106,089	£43,963	£117,841
August	24,918	£67,204	£17,814	£146,011	£20,642	£159,040	£4,158	£106,507	£42,677	£132,639
September	30,524	£64,224	£17,174	£140,186	£19,871	£151,629	£4,094	£102,881	£40,280	£131,410
October	28,546	£65,950	£17,602	£145,883	£20,240	£154,148	£4,197	£104,850	£44,519	£126,902
November	35,778	£63,331	£16,966	£141,394	£19,654	£152,658	£4,166	£103,379	£44,207	£122,054
December	31,612	£63,639	£17,402	£144,060	£19,263	£156,160	£4,089	£103,073	£39,940	£130,496
Total	343,629	£826,917	£211,451	£1,703,277	£249,524	£1,861,187	£51,219	£1,230,493	£504,672	£1,466,854
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	£59,915	£16,571	£136,511	£18,215	£156,016	£3,953	£103,009	£46,158	£130,850
May	30,390	£61,119	£17,195	£139,316	£18,528	£163,516	£4,119	£106,900	£48,039	£134,791
2017 5-Month YTD	151,274	£308,268	£83,259	£691,544	£92,778	£780,645	£19,891	£507,805	£219,903	£651,676
2016 5-Month YTD	142,343	£366,974	£89,696	£706,197	£108,313	£776,083	£21,917	£502,448	£207,352	£590,305
2015 5-Month YTD	148,354	433,851	98,908	705,840	125,201	750,693	24,370	510,309	183,277	342,432

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	653,831	37,590	110,332	151,386	51,853	105,441	2,391,305
February	186,741	370,836	613,311	34,974	98,200	136,015	46,684	93,580	2,192,608
March	216,067	413,155	676,440	39,723	113,381	152,906	50,775	95,228	2,439,210
April	209,983	392,752	664,552	38,096	110,279	151,289	48,883	106,587	2,391,372
May	214,639	391,332	673,495	38,525	120,138	150,822	50,389	110,517	2,444,303
June	211,079	376,856	657,094	36,673	113,604	148,664	49,620	104,646	2,368,447
July	217,883	401,777	673,240	36,655	115,055	151,190	50,555	116,251	2,447,799
August	213,529	409,771	666,179	33,179	114,871	152,340	50,406	118,791	2,446,056
September	204,298	398,110	659,888	31,097	111,932	147,335	48,631	115,877	2,390,024
October	209,342	407,234	660,433	31,636	108,711	152,643	50,133	110,458	2,441,416
November	201,517	409,344	634,462	30,898	96,829	148,584	48,052	102,500	2,362,132
December	207,703	433,795	647,606	34,255	105,489	150,540	49,384	108,420	2,438,262
Total	2,499,599	4,812,983	7,880,530	423,300	1,318,822	1,793,716	595,365	1,288,296	28,752,935
2016									
January	£214,000	£447,447	£610,242	£34,199	£114,272	£141,444	£48,916	£107,175	£2,423,731
February	£201,258	£430,800	£573,538	£31,283	£108,093	£131,963	£45,792	£99,650	£2,303,567
March	£214,561	£452,601	£605,954	£33,192	£112,282	£141,613	£48,116	£109,700	£2,430,818
April	£203,524	£429,503	£587,292	£31,720	£110,827	£134,894	£46,377	£100,406	£2,339,556
May	£211,836	£441,974	£602,230	£31,762	£114,948	£134,905	£47,832	£108,432	£2,410,513
June	£202,081	£434,819	£582,243	£29,847	£104,295	£131,810	£45,419	£94,933	£2,304,300
July	£210,617	£443,676	£590,498	£30,500	£119,222	£123,910	£46,767	£98,480	£2,372,371
August	£211,218	£443,604	£590,320	£30,359	£119,208	£126,769	£46,295	£104,122	£2,393,504
September	£202,202	£419,040	£562,913	£29,003	£114,934	£131,908	£44,908	£95,499	£2,302,681
October	£206,225	£421,765	£576,854	£29,312	£118,134	£138,487	£46,172	£101,987	£2,351,775
November	£195,366	£437,277	£550,653	£27,790	£116,078	£132,378	£44,484	£100,295	£2,307,907
December	£195,424	£461,466	£552,837	£28,283	£122,817	£132,618	£45,259	£105,777	£2,354,215
Total	£2,468,312	£5,263,973	£6,985,576	£367,251	£1,375,108	£1,602,701	£556,337	£1,226,458	£28,294,939
2017									
January	£193,927	£461,677	£554,138	£27,708	£123,989	£128,115	£44,963	£104,398	£2,344,796
February	£179,163	£419,527	£512,125	£25,035	£112,378	£117,940	£40,286	£92,510	£2,152,834
March	RE207,995	RE459,647	RE559,703	RE27,670	RE126,645	RE131,265	£44,219	RE104,213	RE2,383,162
April	RE202,545	RE446,635	RE545,885	RE26,561	RE123,400	RE128,089	RE42,427	RE92,513	RE2,309,625
May	£207,434	£458,327	£574,442	£27,531	£133,363	£128,532	£43,856	£97,544	£2,394,943
2017 5-Month YTD	£991,063	£2,245,812	£2,746,292	£134,506	£619,774	£633,942	£215,751	£491,179	£11,585,360
2016 5-Month YTD	£1,045,179	£2,202,326	£2,979,257	£162,156	£560,422	£684,820	£237,033	£525,364	£11,908,186
2015 5-Month YTD	1,034,247	1,976,094	3,281,628	188,908	552,331	742,419	248,584	511,353	11,858,799

E Estimated data.

RE Revised estimated data.

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

Sources: 2012-2015: Energy Information Administration (EIA), *Natural Gas Annual 2015*, and Bureau of Safety and Environmental Enforcement (BSEE) reports. January 2016 through current month: Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and its predecessor, "Monthly Natural Gas Production Report"; BSEE reports; PointLogic Energy; Ventyx; BENTEK Energy; industry reports; and EIA computations.

Table 8. Underground natural gas storage – all operators, 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	4,361	2,415	6,776	490	25.5	70	795	725
February	4,360	1,674	6,034	474	39.5	62	803	742
March	4,361	1,480	5,841	623	72.6	182	376	193
April	4,360	1,802	6,162	736	69.0	405	84	-321
May	4,363	2,296	6,659	748	48.3	542	44	-497
June	4,367	2,656	7,023	650	32.4	430	68	-362
July	4,372	2,933	7,305	533	22.2	379	96	-283
August	4,364	3,250	7,614	482	17.4	394	85	-309
September	4,365	3,622	7,987	435	13.7	435	63	-372
October	4,365	3,951	8,316	363	10.1	401	70	-331
November	4,368	3,935	8,303	508	14.8	201	214	12
December	4,363	3,675	8,038	534	17.0	138	403	264
Total	--	--	--	--	--	3,639	3,101	-538
2016								
January	4,361	2,947	7,307	532	22.0	66	795	729
February	4,361	2,543	6,904	869	51.9	111	515	403
March	4,352	2,495	6,847	1,015	68.6	215	272	57
April	4,355	2,654	7,009	852	47.3	294	130	-164
May	4,357	2,975	7,332	679	29.5	402	75	-327
June	4,360	3,194	7,554	539	20.3	316	94	-222
July	4,360	3,327	7,686	394	13.4	283	150	-133
August	4,360	3,450	7,810	200	6.1	285	162	-124
September	4,360	3,714	8,073	91	2.5	351	88	-262
October	4,362	4,021	8,383	71	1.8	387	78	-308
November	4,364	3,985	8,348	50	1.3	178	213	35
December	4,371	3,305	7,675	-370	-10.1	87	763	676
Total	--	--	--	--	--	2,977	3,335	359
2017								
January	4,370	2,631	7,001	-316	-10.7	101	776	675
February	4,369	2,346	6,715	-197	-7.7	131	416	285
March	4,370	2,072	6,441	-423	-17.0	167	443	275
April	4,371	2,300	6,671	-353	-13.3	341	111	-230
May	4,377	2,636	7,012	-339	-11.4	423	82	-341

^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; and 2015- 9,231. Total storage capacity of existing fields includes both active and inactive fields.

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

^c Total as of December 31.

^r Revised data.

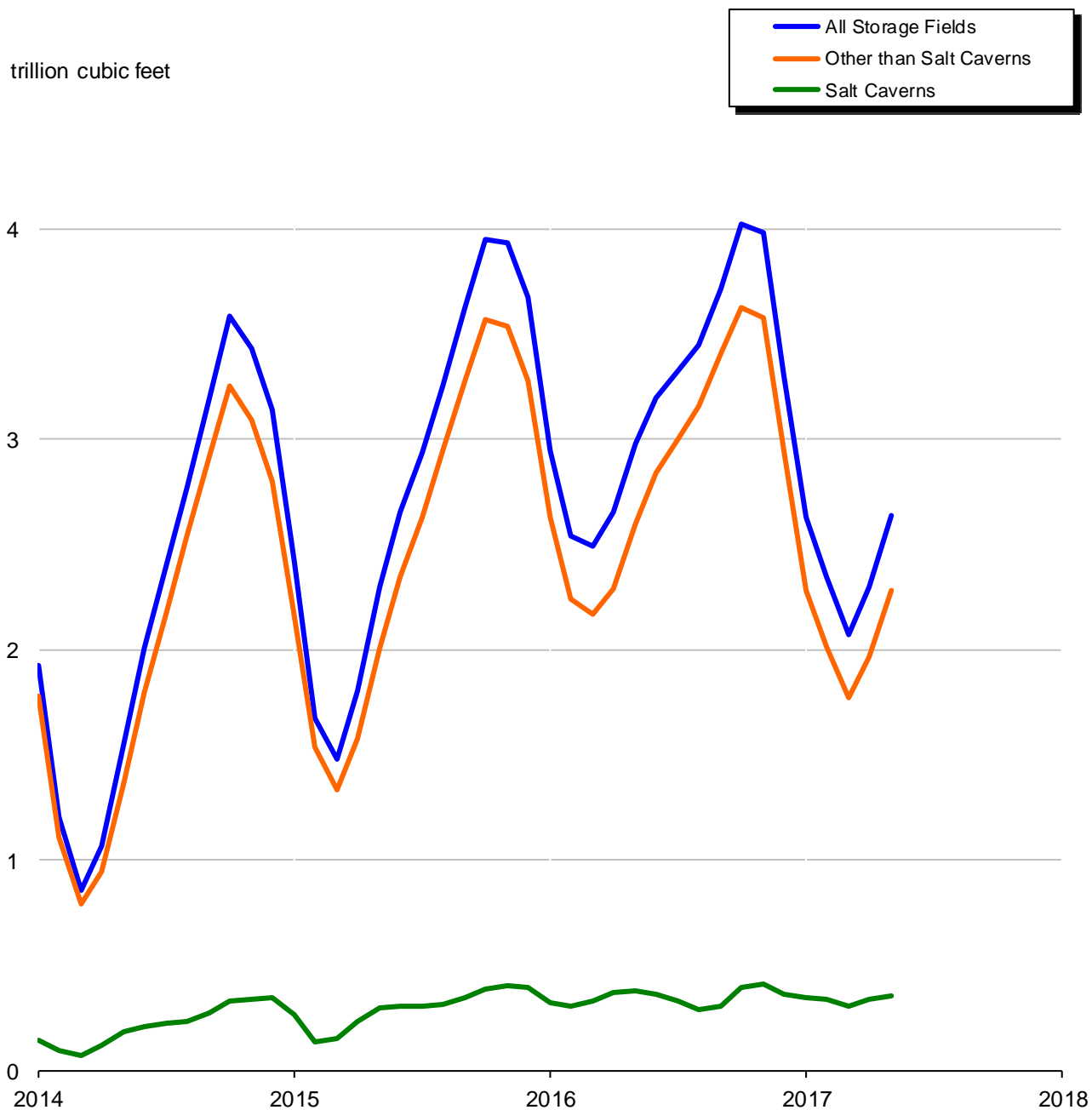
– Not applicable.

Notes: Data for 2012 through 2014 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013. Change in Working Gas from Same Period, Previous Year, includes data for Alaska, which had no working gas recorded for periods prior to January 2013.

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

Figure 5. 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	4,360	1,802	6,162	736	69.0	405	84	-321
May	4,363	2,296	6,659	748	48.3	542	44	-497
June	4,367	2,656	7,023	650	32.4	430	68	-362
July	4,372	2,933	7,305	533	22.2	379	96	-283
August	4,364	3,250	7,614	482	17.4	394	85	-309
September	4,365	3,622	7,987	435	13.7	435	63	-372
October	4,365	3,951	8,316	363	10.1	401	70	-331
Total	--	--	--	--	--	2,986	511	-2,475
2016 Heating Season								
November	4,368	3,935	8,303	508	14.8	201	214	12
December	4,363	3,675	8,038	534	17.0	138	403	264
January	4,361	2,947	7,307	532	22.0	66	795	729
February	4,361	2,543	6,904	869	51.9	111	515	403
March	4,352	2,495	6,847	1,015	68.6	215	272	57
Total	--	--	--	--	--	732	2,197	1,465
2016 Refill Season								
April	4,355	2,654	7,009	852	47.3	294	130	-164
May	4,357	2,975	7,332	679	29.5	402	75	-327
June	4,360	3,194	7,554	539	20.3	316	94	-222
July	4,360	3,327	7,686	394	13.4	283	150	-133
August	4,360	3,450	7,810	200	6.1	285	162	-124
September	4,360	3,714	8,073	91	2.5	351	88	-262
October	4,362	4,021	8,383	71	1.8	387	78	-308
Total	--	--	--	--	--	2,319	778	-1,541
2017 Heating Season								
November	4,364	3,985	8,348	50	1.3	178	213	35
December	4,371	3,305	7,675	-370	-10.1	87	763	676
January	4,370	2,631	7,001	-316	-10.7	101	776	675
February	4,369	2,346	6,715	-197	-7.7	131	416	285
March	4,370	2,072	6,441	-423	-17.0	167	443	275
Total	--	--	--	--	--	664	2,611	1,946
2017 Refill Season								
April	4,371	2,300	6,671	-353	-13.3	341	111	-230
May	4,377	2,636	7,012	-339	-11.4	423	82	-341

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

^R Revised data.

– Not applicable.

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

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

Table 10. Underground natural gas storage – salt cavern storage fields, 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	179	260	439	117	82.2	24	105	81
February	179	135	314	40	42.6	15	140	125
March	178	147	325	79	115.5	58	46	-12
April	178	230	407	110	92.3	95	13	-82
May	180	292	472	113	63.3	82	17	-65
June	182	307	488	98	46.9	44	29	-15
July	182	305	487	79	35.0	37	38	1
August	182	309	491	80	35.0	36	32	-4
September	182	341	523	70	25.9	55	24	-31
October	182	384	566	53	16.1	67	24	-43
November	182	398	579	62	18.6	50	37	-13
December	182	395	577	55	16.0	44	46	2
Total	--	--	--	--	--	607	551	-56
2016								
January	181	320	501	60	23.2	29	105	76
February	181	303	485	168	124.4	42	58	16
March	182	331	513	184	125.2	67	39	-28
April	183	367	550	138	60.0	66	27	-38
May	183	377	560	84	28.9	46	36	-10
June	183	357	541	51	16.5	26	45	19
July	183	328	511	22	7.4	32	62	29
August	184	290	474	-19	-6.1	33	69	37
September	185	304	489	-37	-10.9	52	37	-14
October	185	392	577	8	2.1	115	26	-89
November	186	411	598	14	3.4	47	28	-20
December	186	357	544	-38	-9.6	38	92	53
Total	--	--	--	--	--	593	625	32
2017								
January	186	347	533	26	8.2	57	68	11
February	186	336	522	33	10.9	37	47	10
March	187	301	487	-30	-9.2	43	79	36
April	188	335	523	-32	-8.8	68	32	-36
May	188	351	539	-25	-6.7	58	42	-16
2017 5-Month YTD	--	--	--	--	--	264	268	5
2016 5-Month YTD	--	--	--	--	--	249	265	16
2015 5-Month YTD	--	--	--	--	--	273	321	48

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

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

Table 11. Underground natural gas storage – storage fields other than salt caverns, 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	233	85
April	4,172	2,286	6,459	714	45.4	229	103	-126
May	4,174	2,598	6,772	594	29.6	357	40	-317
June	4,176	2,837	7,013	488	20.8	291	49	-241
July	4,176	2,999	7,175	371	14.1	251	88	-163
August	4,177	3,159	7,336	219	7.4	253	92	-160
September	4,175	3,410	7,584	128	3.9	299	51	-248
October	4,177	3,629	7,806	63	1.8	271	52	-220
November	4,177	3,574	7,751	36	1.0	131	185	55
December	4,185	2,947	7,132	-332	-10.1	48	671	623
Total	--	--	--	--	--	2,384	2,710	326
2017								
January	4,184	2,284	6,468	-342	-13.0	44	707	664
February	4,183	2,010	6,193	-230	-10.3	94	369	275
March	4,183	1,771	5,954	-393	-18.2	124	364	239
April	4,183	1,965	6,148	-321	-14.0	273	79	194
May	4,189	2,284	6,473	-314	-12.1	365	40	-325
2017 5-Month YTD	--	--	--	--	--	900	1,559	659
2016 5-Month YTD	--	--	--	--	--	840	1,521	681
2015 5-Month YTD	--	--	--	--	--	987	1,781	794

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

^b Total as of December 31.

^R Revised data.

-- Not applicable.

Notes: Data for 2012 through 2014 are final. All other data are preliminary unless otherwise noted. See Appendix A, Explanatory Note 5, for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Alaska added to U.S. totals as of January 2013.

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

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

State	2017					2016	
	May	April	March	February	January	Total	December
Alabama	169	-1,292	1,420	-1,005	-254	1,019	3,462
Alaska ^a	-1,525	-1,076	1,572	1,409	2,213	-8,322	1,789
Arkansas	-595	-272	772	66	418	-1,688	739
California	-23,443	-16,166	-17,257	4,304	50,405	39,603	43,736
Colorado	-4,519	-1,374	1,199	4,859	10,983	-4,606	11,693
Illinois	-17,012	4,438	35,264	42,917	59,371	5,282	53,639
Indiana	-1,664	-501	2,040	3,067	5,972	3,478	4,712
Iowa	-1,579	1,288	5,165	8,052	15,571	6,414	22,217
Kansas	-14,016	-10,252	5,246	2,192	18,823	8,377	21,467
Kentucky	-8,818	-12,511	5,772	7,787	16,622	9,205	16,756
Louisiana	-19,430	-21,998	23,900	11,892	22,369	39,572	42,587
Maryland	-3,128	-280	3,170	2,048	3,915	2,916	2,604
Michigan	-55,198	-39,909	63,573	47,176	108,702	57,601	108,495
Minnesota	-63	36	342	450	321	38	44
Mississippi	-3,259	-8,395	6,585	1,802	10,041	27,135	24,501
Missouri	0	*	100	-20	163	-156	365
Montana	-4,160	R-2,002	1,137	4,042	7,075	-7,364	8,305
Nebraska	-1,017	-979	-287	1,408	2,844	785	2,171
New Mexico	-1,257	-1,704	-2,779	1,321	4,466	669	4,345
New York	-7,272	-5,894	17,047	12,369	20,857	19,233	20,132
Ohio	-18,721	-5,818	27,859	22,619	36,350	17,390	41,276
Oklahoma	-13,581	-4,742	-5,893	3,193	35,389	12,705	31,565
Oregon	-3,170	-336	-2,364	606	4,500	2,390	5,032
Pennsylvania	-51,111	-33,170	70,898	54,306	82,560	76,435	70,114
Tennessee	-32	-29	-5	14	31	-66	71
Texas	-37,200	-30,805	1,147	6,329	78,122	R38,656	65,863
Utah	-7,294	-2,628	-518	5,334	11,889	-1,208	12,286
Virginia	-513	-310	689	685	180	189	212
Washington	-5,577	-2,596	1,556	4,022	6,908	-2,216	3,465
West Virginia	-33,816	-30,225	27,754	29,885	49,846	22,486	44,091
Wyoming	-1,936	-632	234	1,737	8,000	-7,349	8,555
Regions							
East Region	-114,561	-75,698	147,418	121,912	193,707	138,650	178,428
South Central Region	-87,911	-77,757	33,177	24,469	164,908	R125,776	190,184
Midwest Region	-84,366	-47,188	112,250	109,443	206,754	81,797	206,299
Mountain Region	-20,183	R-9,318	-1,014	18,701	45,258	-19,074	47,355
Pacific Region	-32,191	-19,098	-18,066	8,931	61,813	39,778	52,233
Total Lower 48 States	-339,211	R-229,059	273,766	283,456	672,439	R366,926	674,499
U.S. Total	-340,736	R-230,135	275,338	284,865	674,653	R358,604	676,287

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	November	October	September	August	July	June	May
Alabama	-2,161	-5,368	-597	2,250	3,115	1,486	-1,536
Alaska ^a	872	139	-1,321	-1,997	-1,976	-1,468	-1,957
Arkansas	-107	-152	-318	-564	-517	-724	-801
California	1,937	-8,590	-3,383	4,248	769	-7,766	-16,700
Colorado	-1,452	-7,324	-5,111	-3,745	-4,892	-5,512	-5,498
Illinois	623	-37,807	-41,363	-33,535	-28,440	-32,072	-26,284
Indiana	-1,533	-2,257	-2,199	-1,850	-1,850	-2,226	-2,905
Iowa	5,150	-18,715	-18,041	-14,078	-1,925	-2,856	-2,349
Kansas	876	-5,573	-8,157	-2,098	-7,378	-4,701	-13,272
Kentucky	51	-4,545	-4,548	-128	-2,707	-2,776	-8,262
Louisiana	-3,970	-51,370	-11,031	18,506	16,049	-2,585	-11,540
Maryland	893	133	-150	-1,397	-1,133	-3,022	-1,671
Michigan	17,034	-27,683	-54,745	-36,754	-35,799	-52,688	-65,480
Minnesota	14	-104	-197	-228	-205	-174	-76
Mississippi	1,560	-24,918	-3,355	2,651	7,130	1,758	-6,684
Missouri	-210	-405	-290	*	0	0	0
Montana	2,401	-782	-2,191	-3,465	-3,260	-4,908	-5,202
Nebraska	721	-1,221	-1,132	-90	-151	-16	-1,099
New Mexico	-1,195	-1,530	75	167	659	-391	-1,615
New York	4,697	-7,006	-12,209	-3,017	-3,467	-6,284	-11,257
Ohio	14,460	-10,323	-22,602	-23,658	-25,774	-26,258	-21,537
Oklahoma	-5,705	-11,783	-2,082	1,055	-3,398	-3,069	-15,348
Oregon	406	-1,086	-266	-16	-887	-511	-1,218
Pennsylvania	10,492	-16,859	-43,300	-18,752	-21,094	-36,463	-32,012
Tennessee	-14	-34	2	2	3	-38	-27
Texas	-17,919	-50,646	112	^R 21,348	18,530	7,624	-29,546
Utah	-466	-1,542	-3,455	-2,871	-2,671	-4,887	-7,374
Virginia	-211	-163	-185	-504	73	-46	-242
Washington	448	-109	-3,266	-2,091	-788	-1,834	-4,392
West Virginia	10,717	-7,057	-15,425	-22,388	-29,279	-25,941	-27,290
Wyoming	-3,105	-3,717	-1,656	-769	-1,773	-3,980	-3,858
Regions							
East Region	41,048	-41,275	-93,871	-69,715	-80,674	-98,014	-94,008
South Central Region	-27,426	-149,809	-25,428	^R 43,149	33,529	-212	-78,727
Midwest Region	21,114	-91,550	-121,381	-86,571	-70,923	-92,831	-105,382
Mountain Region	-3,096	-16,117	-13,469	-10,773	-12,088	-19,694	-24,646
Pacific Region	2,790	-9,785	-6,916	2,142	-906	-10,112	-22,310
Total Lower 48 States	34,431	-308,536	-261,066	^R-121,769	-131,061	-220,862	-325,073
U.S. Total	35,302	-308,397	-262,387	^R-123,765	-133,038	-222,330	-327,030

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016				Total	2015	
	April	March	February	January		December	November
Alabama	-3,383	-323	-713	4,787	-3,817	-249	-1,217
Alaska ^a	-1,441	-451	-459	-50	782	140	197
Arkansas	-444	438	328	434	-1,046	-127	-283
California	-17,261	-4,805	7,203	40,217	-2,698	44,087	5,699
Colorado	1,334	3,688	2,412	9,800	-5,930	9,420	1,802
Illinois	4,551	26,092	50,274	69,604	-10,603	45,715	-1,164
Indiana	527	1,694	5,259	6,106	-4,411	1,569	-1,236
Iowa	2,150	4,762	10,674	19,427	-4,955	16,556	4,637
Kansas	-7,171	-4,070	11,913	26,541	-11,154	11,377	7,836
Kentucky	-16,117	2,150	9,656	19,675	-17,554	7,953	-1,730
Louisiana	-20,296	-14,011	21,175	56,058	-88,237	8,860	-15,244
Maryland	716	-342	2,294	3,991	-1,304	517	490
Michigan	-13,874	30,025	80,654	108,415	-87,722	30,889	3,499
Minnesota	7	515	127	315	-78	10	-149
Mississippi	-6,394	-12,187	6,944	36,129	-27,879	-723	-4,892
Missouri	0	119	-168	433	-586	28	-212
Montana	-3,943	-770	2,057	4,394	-3,197	3,620	2,456
Nebraska	-630	-103	549	1,788	-786	979	212
New Mexico	-1,170	-1,658	1,413	1,568	-19,897	-616	-2,132
New York	-1,560	2,483	14,571	22,150	-15,923	2,020	7
Ohio	-5,040	17,603	32,160	47,082	-33,025	19,441	7,717
Oklahoma	-9,402	-5,923	10,070	26,725	-32,397	8,250	3,951
Oregon	-1,027	-362	481	1,845	474	2,338	1,139
Pennsylvania	-5,601	20,011	62,426	87,473	-41,111	11,466	-6,135
Tennessee	-17	-32	-6	25	-453	-54	-102
Texas	-38,115	-19,445	24,128	56,721	-91,530	6,424	-2,086
Utah	-814	-1,928	3,685	8,830	-8,073	6,185	3,131
Virginia	-508	135	17	1,612	-468	48	-270
Washington	-2,918	1,935	5,854	1,480	4,545	2,710	3,788
West Virginia	-14,238	11,571	35,666	62,059	-28,151	23,857	2,855
Wyoming	-2,386	-139	2,448	3,031	-1,237	1,646	-255
Regions							
East Region	-26,232	51,461	147,134	224,367	-119,981	57,349	4,664
South Central Region	-85,205	-55,521	73,846	207,396	-256,060	33,813	-11,936
Midwest Region	-22,774	65,327	156,470	224,000	-126,362	102,665	3,543
Mountain Region	-7,610	-910	12,562	29,411	-39,121	21,235	5,213
Pacific Region	-21,206	-3,232	13,538	43,542	2,322	49,135	10,625
Total Lower 48 States	-163,027	57,125	403,550	728,716	-539,203	264,197	12,109
U.S. Total	-164,468	56,674	403,091	728,666	-538,421	264,337	12,306

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015						
	October	September	August	July	June	May	April
Alabama	-415	-2,416	1,057	-971	-734	-5,684	-6,159
Alaska ^a	-52	92	-108	-171	-78	-71	219
Arkansas	-212	-141	-403	-437	-357	-411	91
California	-18,709	-6,577	1,758	-8,522	-10,336	-25,451	-16,467
Colorado	-4,141	-5,250	-5,181	-5,048	-6,817	-5,045	1,888
Illinois	-36,756	-37,238	-34,172	-32,685	-29,520	-28,714	1,105
Indiana	-2,047	-3,878	-3,494	-2,687	-2,942	-2,903	-294
Iowa	-14,124	-16,136	-13,614	-2,563	-6,962	-5,355	541
Kansas	-5,912	-14,045	-9,249	-16,737	-11,868	-13,935	-2,777
Kentucky	-9,465	-7,783	-6,294	-5,729	-5,537	-9,947	-14,941
Louisiana	-40,257	-33,722	-20,717	-17,892	-16,431	-36,612	-45,037
Maryland	-262	-372	-2,786	-2,440	-2,577	-2,522	-254
Michigan	-60,050	-75,170	-81,284	-74,938	-82,493	-82,150	-42,975
Minnesota	-262	-219	-202	-176	-37	6	6
Mississippi	-14,206	-16,234	-4,313	-1,700	-11,013	-21,243	-30,471
Missouri	-268	-581	0	0	*	0	0
Montana	-1,050	-2,101	-3,445	-3,385	-3,128	-2,545	-1,350
Nebraska	-1,193	-1,296	-965	-77	-1,343	-1,121	-417
New Mexico	-2,258	-1,275	-1,429	-1,726	-1,306	-2,874	-2,771
New York	-6,129	-8,376	-8,289	-9,553	-15,297	-12,852	-4,764
Ohio	-11,308	-22,886	-27,651	-25,160	-26,651	-31,413	-14,797
Oklahoma	-13,483	-8,189	-6,183	-8,740	-17,758	-30,908	-22,563
Oregon	-1,330	-1,482	-685	2	-374	-2,416	116
Pennsylvania	-31,589	-38,785	-35,179	-24,593	-51,105	-62,659	-27,319
Tennessee	-93	-64	-59	-60	-49	-53	-48
Texas	-41,913	-35,276	-6,397	-1,462	-23,854	-64,583	-68,034
Utah	-1,402	-4,323	-3,183	-5,792	-5,110	-6,367	-512
Virginia	-545	-623	-508	-87	-509	-600	793
Washington	-792	-2,976	-4,747	278	122	-4,285	-1,199
West Virginia	-9,191	-22,829	-30,326	-28,865	-25,786	-33,369	-23,204
Wyoming	-1,419	-1,866	-1,115	-1,186	-1,715	-1,151	308
Regions							
East Region	-59,024	-93,873	-104,740	-90,699	-121,926	-143,415	-69,546
South Central Region	-116,399	-110,024	-46,205	-47,939	-82,015	-173,376	-174,950
Midwest Region	-123,064	-141,069	-139,118	-118,838	-127,539	-129,116	-56,605
Mountain Region	-11,462	-16,112	-15,317	-17,214	-19,419	-19,103	-2,853
Pacific Region	-20,831	-11,035	-3,674	-8,243	-10,588	-32,152	-17,550
Total Lower 48 States	-330,780	-372,112	-309,054	-282,933	-361,486	-497,162	-321,505
U.S. Total	-330,832	-372,021	-309,162	-283,104	-361,564	-497,234	-321,286

See footnotes at end of table.

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

State	2015		
	March	February	January
Alabama	-243	8,440	4,774
Alaska ^a	235	185	194
Arkansas	234	567	431
California	-4,345	-2,750	38,916
Colorado	920	5,579	5,942
Illinois	21,193	58,104	63,529
Indiana	2,709	5,238	5,552
Iowa	6,384	11,129	14,550
Kansas	-721	26,416	18,461
Kentucky	2,284	20,181	13,454
Louisiana	-1,990	73,436	57,369
Maryland	970	4,876	3,057
Michigan	61,590	176,480	138,879
Minnesota	351	255	337
Mississippi	371	40,415	36,131
Missouri	-976	1,273	151
Montana	-172	3,314	4,588
Nebraska	669	1,778	1,989
New Mexico	-2,404	-1,237	131
New York	12,169	17,191	17,951
Ohio	19,170	37,546	42,969
Oklahoma	1,625	31,015	30,588
Oregon	-732	688	3,212
Pennsylvania	48,329	92,652	83,807
Tennessee	-10	96	42
Texas	4,146	75,241	66,265
Utah	-197	3,249	6,246
Virginia	-1,256	1,821	1,268
Washington	2,520	4,712	4,416
West Virginia	19,424	41,243	58,043
Wyoming	1,217	2,397	1,901
Regions			
East Region	98,805	195,328	207,094
South Central Region	3,421	255,529	214,020
Midwest Region	93,527	272,757	236,494
Mountain Region	34	15,081	20,797
Pacific Region	-2,557	2,649	46,544
Total Lower 48 States	193,230	741,344	724,949
U.S. Total	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 500,000 cubic feet.

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

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

Table 13. Activities of underground natural gas storage operators, by state, May 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	23,883	34,333	-1,218	-4.9	2,704	2,873
Alaska ^a	5	83,592	67,915	14,197	30,010	44,207	1,370	4.8	2,116	591
Arkansas	2	21,853	12,178	12,880	1,752	14,632	778	79.8	627	33
California	14	603,808	373,236	230,605	241,029	471,635	-33,583	-12.2	26,615	3,172
Colorado	11	139,486	68,174	62,866	30,041	92,907	954	3.3	6,590	2,071
Illinois	28	1,004,710	303,613	703,372	78,951	782,323	-6,450	-7.6	20,596	3,585
Indiana	21	111,721	33,674	77,212	14,155	91,367	-1,802	-11.3	1,715	51
Iowa	4	288,210	90,313	197,897	23,159	221,056	-248	-1.1	1,905	326
Kansas	16	282,986	122,982	164,059	85,093	249,152	3,471	4.3	15,776	1,760
Kentucky	23	221,723	107,572	112,936	79,289	192,225	-10,856	-12.0	9,245	427
Louisiana	19	743,373	453,502	281,669	320,894	602,563	-29,136	-8.3	39,004	19,574
Maryland	1	64,000	18,300	45,677	6,754	52,431	-3,654	-35.1	3,132	4
Michigan	44	1,071,608	685,709	386,921	405,561	792,482	-42,339	-9.5	57,076	1,878
Minnesota	1	7,000	2,000	4,848	1,001	5,849	-237	-19.1	63	0
Mississippi	12	334,792	204,713	115,991	135,421	251,412	-16,293	-10.7	15,071	11,812
Missouri	1	13,845	6,000	7,845	6,123	13,968	104	1.7	0	0
Montana	4	376,225	197,477	178,501	21,019	199,519	-2,336	-10.0	4,247	87
Nebraska	1	34,850	12,653	22,197	7,573	29,770	-2,341	-23.6	1,120	103
New Mexico	2	89,100	59,738	29,362	44,856	74,218	-2,178	-4.6	1,800	544
New York	26	245,779	126,871	114,659	51,689	166,347	-29,996	-36.7	9,414	2,142
Ohio	24	575,794	230,840	342,918	86,047	428,965	-9,178	-9.6	19,543	822
Oklahoma	13	376,528	196,675	179,696	139,113	318,809	-19,530	-12.3	15,716	2,135
Oregon	7	29,565	15,935	11,186	13,989	25,175	-1,958	-12.3	3,170	0
Pennsylvania	49	760,619	426,361	336,809	182,486	519,295	-67,690	-27.1	57,233	6,122
Tennessee	2	2,400	1,800	878	1,238	2,116	21	1.7	34	2
Texas	36	854,759	550,137	297,444	405,485	702,929	-62,886	-13.4	57,430	20,230
Utah	3	124,509	54,942	69,508	33,453	102,961	-3,208	-8.8	7,385	91
Virginia	2	9,500	5,400	4,100	4,283	8,383	95	2.3	1,258	745
Washington	1	46,900	24,600	22,300	15,029	37,329	-92	-0.6	5,680	103
West Virginia	31	530,837	261,335	270,167	116,404	386,571	1,603	1.4	34,354	538
Wyoming	9	157,744	73,705	67,557	29,760	97,316	-442	-1.5	2,100	164
Regions										
East Region	133	2,186,529	1,069,107	1,114,330	447,663	1,561,993	-108,819	-19.6	124,933	10,373
South Central Region	100	2,657,891	1,573,337	1,062,188	1,111,642	2,173,830	-124,814	-10.1	146,328	58,417
Midwest Region	124	2,721,215	1,230,680	1,491,907	609,476	2,101,384	-61,808	-9.2	90,635	6,269
Mountain Region	30	921,914	466,689	429,990	166,701	596,691	-9,550	-5.4	23,242	3,060
Pacific Region	22	680,273	413,771	264,091	270,048	534,139	-35,633	-11.7	35,465	3,275
Total Lower 48 States	409	9,167,823	4,753,584	4,362,508	2,605,529	6,968,037	-340,625	-11.6	420,604	81,394
U.S. Total	414	9,251,415	4,821,500	4,376,705	2,635,539	7,012,244	-339,254	-11.4	422,720	81,984

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

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

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

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

State	2017	2016	2015	2017			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	NA	18,453	23,282	NA	NA	3,238	3,289
Alaska	10,838	8,410	9,485	984	1,473	2,667	2,523
Arizona	NA	21,617	18,921	1,786	2,364	3,714	NA
Arkansas	13,332	15,596	23,183	896	1,098	2,771	3,179
California	NA	205,110	190,237	27,080	29,519	40,350	53,637
Colorado	65,388	71,003	66,756	6,370	8,987	12,021	14,910
Connecticut	29,870	28,707	35,942	2,271	3,592	7,982	7,326
Delaware	5,944	6,396	8,318	347	606	1,674	1,384
District of Columbia	NA	7,208	9,419	473	562	1,621	NA
Florida	7,669	9,164	8,407	1,044	1,369	1,604	1,724
Georgia	54,248	67,208	75,023	4,953	5,731	12,905	12,462
Hawaii	254	244	263	44	49	52	52
Idaho	15,615	12,410	11,886	1,098	1,987	2,630	3,773
Illinois	212,003	227,968	262,349	16,978	23,302	52,121	47,520
Indiana	68,437	75,312	89,869	5,336	7,079	17,164	15,357
Iowa	34,940	36,833	40,859	2,472	4,106	8,177	8,502
Kansas	30,017	32,303	35,512	1,860	3,210	6,245	7,008
Kentucky	23,009	28,470	34,193	1,381	2,041	5,670	5,619
Louisiana	14,497	19,506	23,502	1,507	1,798	2,845	3,153
Maine	1,674	1,596	1,777	139	240	431	408
Maryland	42,313	46,853	57,804	3,004	3,395	10,988	10,924
Massachusetts	71,487	69,050	87,785	5,995	8,735	20,438	16,656
Michigan	170,124	179,400	207,745	14,040	19,350	44,047	39,390
Minnesota	70,718	71,322	74,397	5,100	8,401	16,843	16,691
Mississippi	9,455	NA	15,544	750	798	2,216	2,173
Missouri	49,151	54,091	64,959	3,390	4,587	10,510	11,344
Montana	12,089	10,042	10,198	914	1,629	2,262	3,017
Nebraska	20,373	19,489	21,883	1,592	2,419	4,245	5,128
Nevada	23,708	21,758	18,984	1,994	2,755	4,336	6,167
New Hampshire	4,416	4,235	5,393	352	498	1,235	1,042
New Jersey	130,145	132,558	169,118	9,519	15,232	34,249	31,185
New Mexico	16,887	18,812	18,177	1,433	2,075	3,001	4,251
New York	254,932	251,903	309,554	20,784	31,157	68,611	60,832
North Carolina	30,908	39,500	44,336	1,515	2,298	8,121	7,080
North Dakota	6,281	5,741	6,506	348	739	1,480	1,581
Ohio	139,727	157,507	199,812	9,861	13,811	36,946	32,795
Oklahoma	26,712	29,183	37,541	1,818	2,649	4,598	6,247
Oregon	26,921	19,634	18,942	2,142	3,757	5,123	6,390
Pennsylvania	130,444	135,282	162,986	9,758	14,171	34,347	31,514
Rhode Island	10,939	10,587	13,664	823	1,229	3,224	2,609
South Carolina	12,944	17,035	18,931	667	1,138	3,318	2,976
South Dakota	6,848	6,929	7,167	508	797	1,585	1,477
Tennessee	30,624	39,067	48,433	1,802	2,457	7,163	7,505
Texas	NA	106,926	142,863	7,755	9,391	15,962	22,929
Utah	34,289	35,050	29,380	2,834	4,878	5,592	7,281
Vermont	2,178	2,050	2,618	191	318	582	518
Virginia	41,770	48,192	60,764	2,489	3,579	10,989	10,147
Washington	50,344	38,344	36,182	4,008	6,966	10,334	12,341
West Virginia	12,740	14,784	17,623	755	1,363	3,467	3,098
Wisconsin	73,436	74,886	83,466	5,933	8,391	18,555	17,155
Wyoming	7,681	6,378	6,219	805	1,036	1,553	1,868
Total	2,480,397	2,572,055	2,968,156	200,890	280,604	581,801	583,515

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
	January	Total	December	November	October	September	August
Alabama	4,925	28,980	4,979	1,826	893	633	659
Alaska	3,191	17,781	2,970	2,314	1,711	828	534
Arizona	6,674	34,815	4,941	2,295	1,421	1,134	1,021
Arkansas	5,388	26,132	5,723	1,761	706	587	529
California	NA	409,429	66,085	37,269	22,105	19,803	18,507
Colorado	23,100	122,273	22,187	11,580	5,970	3,231	2,751
Connecticut	8,700	47,856	8,119	4,606	2,050	1,000	933
Delaware	1,933	10,020	1,775	824	292	171	160
District of Columbia	2,120	11,658	2,185	964	345	207	216
Florida	1,928	R15,742	R1,632	R1,113	R843	R747	R702
Georgia	18,196	117,092	19,653	10,235	4,850	3,821	3,854
Hawaii	58	571	52	47	45	49	45
Idaho	6,127	24,561	5,819	2,626	1,437	681	492
Illinois	72,082	384,290	76,626	32,672	14,594	7,759	7,419
Indiana	23,502	R126,270	R26,258	R11,452	R4,336	R2,369	R2,238
Iowa	11,684	60,664	12,573	4,563	1,996	1,317	1,042
Kansas	11,693	R56,010	12,424	4,929	1,598	1,182	1,030
Kentucky	8,298	46,286	9,482	3,929	1,305	778	780
Louisiana	5,195	33,472	5,143	2,119	1,480	1,303	1,330
Maine	457	R2,633	R452	231	R138	58	R45
Maryland	14,002	76,147	13,865	6,773	2,638	1,421	1,339
Massachusetts	19,663	115,739	19,827	10,970	5,604	2,520	2,356
Michigan	53,296	300,843	55,042	28,110	15,262	6,804	5,010
Minnesota	23,684	119,491	22,005	10,006	5,645	2,641	2,537
Mississippi	3,519	NA	3,772	1,348	624	571	553
Missouri	19,320	92,157	21,067	7,285	2,607	1,663	1,739
Montana	4,268	19,815	4,120	2,195	1,434	655	420
Nebraska	6,989	32,644	6,839	2,344	1,019	698	657
Nevada	8,457	38,271	6,637	2,832	1,772	1,359	1,183
New Hampshire	1,288	7,084	1,289	723	239	158	133
New Jersey	39,961	219,410	37,077	19,022	9,042	4,785	4,501
New Mexico	6,126	32,662	5,918	3,074	1,217	937	776
New York	73,548	419,700	67,377	38,700	18,644	9,617	9,441
North Carolina	11,894	65,037	13,017	6,352	1,732	1,096	1,054
North Dakota	2,133	10,155	2,160	875	635	220	177
Ohio	46,315	256,158	46,063	23,488	10,407	4,734	4,832
Oklahoma	11,400	51,819	11,843	3,903	1,774	1,334	1,214
Oregon	9,510	38,865	8,606	4,096	2,719	1,091	610
Pennsylvania	40,654	223,477	39,761	21,335	9,168	4,331	4,094
Rhode Island	3,054	17,700	3,153	1,804	932	370	242
South Carolina	4,844	27,754	5,410	2,633	733	504	487
South Dakota	2,482	11,787	2,541	908	526	242	212
Tennessee	11,697	62,836	13,220	4,681	1,503	1,088	974
Texas	NA	175,286	29,021	9,101	6,502	5,346	5,374
Utah	13,705	63,797	13,113	6,350	2,973	1,778	1,363
Vermont	568	3,396	534	313	143	84	74
Virginia	14,567	77,191	13,321	6,535	2,887	1,452	1,346
Washington	16,695	76,179	15,993	7,828	5,538	2,548	1,779
West Virginia	4,057	23,559	4,146	2,299	896	366	326
Wisconsin	23,402	124,213	24,126	10,265	5,535	2,379	2,103
Wyoming	2,420	11,675	2,366	1,109	707	343	253
Total	833,587	R4,391,507	R802,304	R384,609	R189,171	R110,792	R101,445

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	689	849	997	1,678	2,811	5,627	7,340
Alaska	479	534	864	1,233	1,886	2,068	2,359
Arizona	1,072	1,314	1,750	2,402	3,064	5,763	8,638
Arkansas	564	665	902	1,457	2,654	4,770	5,813
California	19,421	21,129	24,628	28,039	39,564	43,489	69,390
Colorado	2,597	2,956	6,531	10,396	14,346	17,334	22,396
Connecticut	1,075	1,365	2,385	4,229	5,562	7,947	8,584
Delaware	171	231	475	823	1,135	1,879	2,084
District of Columbia	246	287	501	791	1,107	2,285	2,524
Florida	R720	R821	R996	R1,256	R1,742	R2,399	2,772
Georgia	3,670	3,801	4,678	6,530	9,664	19,992	26,344
Hawaii	45	45	44	51	49	47	52
Idaho	518	580	881	1,290	2,532	3,241	4,466
Illinois	7,782	9,472	15,751	30,185	41,109	62,368	78,554
Indiana	R2,053	R2,253	R4,786	R9,433	R11,771	R21,582	R27,740
Iowa	1,167	1,173	2,228	4,620	6,723	10,123	13,139
Kansas	1,118	1,426	R2,159	R2,692	5,285	8,935	13,233
Kentucky	725	817	1,509	2,673	4,737	8,694	10,856
Louisiana	1,270	1,321	1,579	2,028	2,782	5,204	7,912
Maine	R51	R62	R141	R264	R341	401	450
Maryland	1,479	1,778	3,331	5,405	7,528	13,550	17,039
Massachusetts	2,519	2,893	5,800	10,379	14,183	18,657	20,032
Michigan	5,503	5,714	12,468	27,877	33,887	48,719	56,448
Minnesota	2,343	2,991	4,321	10,032	12,742	20,031	24,196
Mississippi	567	NA	815	NA	1,730	3,307	5,159
Missouri	1,763	1,942	2,934	5,008	8,781	15,238	22,130
Montana	415	534	969	1,336	2,084	2,377	3,276
Nebraska	704	894	1,354	2,295	3,457	5,397	6,986
Nevada	1,243	1,486	1,952	2,449	3,452	5,542	8,364
New Hampshire	134	173	307	626	831	1,136	1,334
New Jersey	5,901	6,524	10,990	18,208	24,355	35,568	43,438
New Mexico	841	1,087	1,549	2,184	3,349	4,976	6,754
New York	10,979	13,039	22,528	37,670	48,649	67,663	75,393
North Carolina	1,055	1,231	1,670	3,327	5,172	13,015	16,316
North Dakota	164	183	378	778	1,086	1,524	1,975
Ohio	4,251	4,876	10,529	21,466	26,937	44,213	54,362
Oklahoma	1,160	1,409	1,811	2,441	4,745	7,832	12,354
Oregon	1,005	1,104	1,518	2,197	4,431	4,802	6,686
Pennsylvania	4,264	5,242	9,866	17,384	23,082	38,618	46,333
Rhode Island	276	335	767	1,541	1,991	2,872	3,416
South Carolina	450	502	723	1,408	2,293	5,713	6,899
South Dakota	198	232	529	983	1,317	1,785	2,314
Tennessee	1,070	1,234	1,772	3,312	5,827	12,089	16,067
Texas	5,948	7,068	7,366	11,575	16,582	30,037	41,366
Utah	1,710	1,460	2,988	4,442	6,215	9,011	12,393
Vermont	89	109	196	357	380	541	576
Virginia	1,403	2,054	3,072	5,427	8,183	14,331	17,179
Washington	1,853	2,296	3,165	4,151	8,883	9,250	12,895
West Virginia	367	375	735	1,808	2,668	4,221	5,352
Wisconsin	2,338	2,581	5,006	11,130	14,251	19,744	24,754
Wyoming	228	290	754	953	1,270	1,490	1,912
Total	R107,654	R123,478	R195,951	R331,164	R459,199	R697,398	R888,342

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
Alabama	32,709	3,492	2,079	956	710	705	720
Alaska	18,574	2,683	2,317	1,429	1,040	531	499
Arizona	34,507	6,665	3,133	1,345	1,080	978	1,065
Arkansas	32,998	4,259	2,357	794	585	556	598
California	401,172	73,056	44,392	19,235	17,032	17,399	18,932
Colorado	122,364	22,545	16,187	5,800	2,924	2,403	2,633
Connecticut	50,975	4,749	3,846	2,101	948	970	1,089
Delaware	11,260	1,049	772	406	168	178	175
District of Columbia	13,494	1,456	994	567	276	262	264
Florida	15,044	1,425	1,204	1,070	626	628	824
Georgia	118,025	11,963	10,264	5,883	3,800	3,751	3,663
Hawaii	572	47	44	44	41	43	45
Idaho	23,482	4,842	3,704	1,017	652	367	494
Illinois	400,876	50,976	36,127	18,138	8,118	7,790	7,959
Indiana	133,045	16,792	11,707	5,768	2,419	2,008	2,172
Iowa	62,739	9,058	5,499	2,408	1,280	1,052	1,189
Kansas	57,408	8,784	5,493	2,143	1,569	1,418	1,132
Kentucky	49,426	5,853	4,167	1,640	885	889	899
Louisiana	36,046	3,679	2,331	1,503	1,326	1,178	1,266
Maine	2,700	315	246	145	48	48	49
Maryland	82,858	8,376	6,235	3,881	1,542	1,580	1,657
Massachusetts	126,662	12,658	9,466	5,833	2,486	2,463	2,641
Michigan	312,098	35,475	28,390	16,422	6,006	5,872	5,572
Minnesota	117,586	17,835	10,603	5,140	2,331	2,553	2,292
Mississippi	23,248	2,448	1,833	833	728	589	620
Missouri	95,503	12,940	7,731	3,096	1,646	1,729	1,595
Montana	18,796	3,263	2,636	1,042	494	379	382
Nebraska	34,663	5,620	2,921	1,081	683	695	809
Nevada	37,029	7,344	4,218	1,449	1,228	1,189	1,120
New Hampshire	7,842	884	680	251	153	146	151
New Jersey	237,104	22,176	16,145	8,928	4,507	4,589	5,481
New Mexico	33,130	6,207	3,759	1,247	829	840	808
New York	452,148	44,300	33,879	20,673	10,201	10,144	10,330
North Carolina	64,523	6,836	6,169	2,737	1,092	1,214	1,016
North Dakota	10,552	1,698	1,060	509	199	209	168
Ohio	285,306	30,726	22,078	12,188	4,677	4,717	5,012
Oklahoma	59,387	9,335	5,700	1,814	1,240	1,227	1,204
Oregon	37,257	6,962	5,748	1,772	1,195	825	844
Pennsylvania	235,635	24,488	18,219	11,556	4,796	4,062	4,148
Rhode Island	20,042	1,952	1,632	1,063	391	404	437
South Carolina	27,417	3,019	2,374	1,032	549	513	502
South Dakota	11,751	2,016	1,174	478	228	219	190
Tennessee	67,301	7,707	4,810	1,967	1,155	995	1,033
Texas	211,370	28,032	11,027	6,334	5,401	4,874	6,479
Utah	58,562	12,346	8,345	2,015	1,329	1,555	1,634
Vermont	3,833	402	294	168	81	74	89
Virginia	85,464	8,151	6,455	3,540	1,903	1,475	1,526
Washington	71,952	12,477	11,223	4,202	2,615	1,638	1,701
West Virginia	24,807	2,449	2,120	1,235	385	337	243
Wisconsin	126,854	16,449	11,077	6,091	2,502	2,310	2,478
Wyoming	11,576	2,277	1,489	437	300	199	244
Total	4,609,670	590,535	406,355	201,405	108,401	102,770	108,073

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	June	May	April	March	February	January
Alabama	765	1,111	1,694	3,858	8,542	8,077
Alaska	589	883	1,473	2,174	2,212	2,743
Arizona	1,320	1,820	2,191	3,200	4,275	7,435
Arkansas	666	941	1,631	4,838	7,706	8,067
California	20,889	27,358	29,622	32,140	40,902	60,216
Colorado	3,115	7,343	8,503	12,871	16,449	21,591
Connecticut	1,330	2,112	4,766	8,749	10,279	10,035
Delaware	194	289	754	2,076	2,533	2,665
District of Columbia	256	456	866	2,046	2,886	3,166
Florida	859	924	1,217	1,364	2,443	2,459
Georgia	3,679	4,354	5,538	12,196	26,722	26,213
Hawaii	46	46	54	51	52	60
Idaho	521	900	1,736	2,203	2,701	4,346
Illinois	9,419	13,194	26,783	54,278	85,540	82,554
Indiana	2,309	3,713	8,643	18,560	29,649	29,303
Iowa	1,394	2,157	4,112	7,953	13,543	13,094
Kansas	1,357	1,823	2,487	7,202	11,373	12,628
Kentucky	900	1,217	2,309	7,078	12,025	11,564
Louisiana	1,260	1,642	1,842	4,242	7,405	8,372
Maine	71	95	224	404	529	526
Maryland	1,783	2,200	4,975	12,967	19,141	18,521
Massachusetts	3,330	4,364	10,124	20,986	26,240	26,072
Michigan	6,616	10,476	22,109	42,465	68,402	64,293
Minnesota	2,435	3,958	8,177	15,010	23,783	23,468
Mississippi	652	718	1,060	3,058	4,909	5,799
Missouri	1,807	2,514	6,206	15,779	20,729	19,731
Montana	401	903	1,448	1,947	2,604	3,296
Nebraska	971	1,343	2,137	4,219	6,971	7,214
Nevada	1,497	1,901	2,366	3,384	4,287	7,046
New Hampshire	186	244	596	1,197	1,665	1,691
New Jersey	6,160	8,995	21,273	41,241	50,550	47,059
New Mexico	1,262	1,572	1,919	3,422	5,014	6,249
New York	13,068	18,250	36,469	74,728	91,104	89,003
North Carolina	1,123	1,308	2,814	7,387	17,363	15,464
North Dakota	205	447	720	1,277	2,055	2,006
Ohio	6,095	9,819	22,267	47,720	61,207	58,799
Oklahoma	1,327	1,936	2,647	6,954	12,791	13,212
Oregon	968	1,703	3,258	3,543	4,187	6,251
Pennsylvania	5,380	7,625	17,156	37,960	51,850	48,396
Rhode Island	498	577	1,426	3,296	4,154	4,211
South Carolina	496	687	1,066	3,183	7,065	6,930
South Dakota	278	508	783	1,358	2,162	2,357
Tennessee	1,201	1,606	3,087	9,120	18,019	16,601
Texas	6,360	6,857	10,986	34,512	36,889	53,619
Utah	1,958	3,129	4,515	5,112	6,449	10,176
Vermont	107	156	367	610	760	725
Virginia	1,649	2,226	4,750	13,596	20,861	19,331
Washington	1,916	3,105	5,975	7,229	8,084	11,788
West Virginia	416	668	1,631	4,563	5,640	5,121
Wisconsin	2,481	4,550	9,496	16,213	27,502	25,705
Wyoming	410	731	888	1,177	1,457	1,966
Total	123,975	177,453	319,134	632,699	901,656	937,215

^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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	NA	12,285	14,101	NA	NA	2,332	2,130
Alaska	9,135	7,546	9,427	1,002	1,311	2,229	2,053
Arizona	15,212	15,236	14,472	2,290	2,542	2,951	3,414
Arkansas	NA	21,826	25,572	NA	3,023	4,374	4,501
California	104,826	101,731	100,722	16,080	17,095	19,777	22,196
Colorado	28,221	30,429	28,848	3,095	4,077	5,262	6,262
Connecticut	27,918	26,447	30,908	2,782	3,888	7,156	6,449
Delaware	6,523	6,402	6,825	717	747	1,685	1,497
District of Columbia	7,121	8,241	9,610	933	1,005	1,695	1,512
Florida	27,025	27,912	28,584	4,777	5,152	5,684	5,299
Georgia	23,363	28,584	31,706	2,603	2,827	5,435	5,207
Hawaii	844	785	820	157	164	173	164
Idaho	10,188	8,409	8,020	944	1,329	1,738	2,454
Illinois	112,164	114,209	129,991	12,879	13,523	25,916	24,483
Indiana	38,344	40,820	48,542	3,575	4,422	9,273	8,358
Iowa	25,761	26,358	28,856	2,322	3,333	5,900	6,107
Kansas	15,446	16,280	16,371	1,540	2,243	3,110	3,252
Kentucky	16,369	18,884	22,122	1,504	1,673	3,915	3,848
Louisiana	12,766	14,208	14,458	2,126	2,160	2,718	2,436
Maine	5,012	4,901	5,967	472	712	1,310	1,184
Maryland	35,476	36,814	41,206	4,092	4,182	9,098	7,919
Massachusetts	54,239	52,293	63,100	5,477	6,961	14,836	12,447
Michigan	90,426	93,304	107,312	8,970	11,447	22,291	21,159
Minnesota	54,963	53,543	56,338	4,896	7,534	12,420	13,013
Mississippi	7,994	9,109	10,668	1,107	1,001	1,786	1,713
Missouri	NA	31,625	37,408	2,785	3,319	6,388	NA
Montana	12,484	10,596	10,218	1,102	1,721	2,491	3,046
Nebraska	15,925	14,321	16,460	1,566	2,214	3,301	3,989
Nevada	15,783	15,023	13,891	2,169	2,573	3,061	3,493
New Hampshire	5,286	5,031	6,366	446	592	1,509	1,222
New Jersey	NA	80,431	101,722	7,843	9,544	21,049	18,731
New Mexico	11,352	12,127	11,835	1,275	1,715	1,952	2,471
New York	160,858	157,255	182,384	18,316	21,667	41,604	36,941
North Carolina	24,681	29,371	30,566	2,956	2,955	6,129	5,111
North Dakota	7,131	6,497	7,397	496	903	1,667	1,725
Ohio	79,403	87,231	109,562	7,052	8,294	20,490	18,409
Oklahoma	19,433	20,263	24,324	1,954	2,422	3,537	4,423
Oregon	17,333	13,072	12,716	1,664	2,452	3,299	4,087
Pennsylvania	79,931	81,828	95,128	7,427	9,279	20,680	19,185
Rhode Island	6,666	6,578	8,145	550	769	1,932	1,529
South Carolina	10,461	12,138	12,420	1,520	1,501	2,505	2,125
South Dakota	5,739	5,708	5,960	504	696	1,321	1,242
Tennessee	23,197	27,838	31,723	2,641	2,574	5,373	5,281
Texas	NA	81,410	93,300	11,439	12,319	14,777	NA
Utah	20,396	20,955	17,797	1,908	3,089	3,331	4,490
Vermont	3,005	NA	2,948	336	379	782	685
Virginia	32,102	35,808	40,265	3,619	4,160	7,851	7,147
Washington	31,383	24,588	24,027	3,459	4,724	6,357	7,402
West Virginia	10,727	11,857	13,358	1,183	1,508	2,647	2,438
Wisconsin	48,032	49,033	55,623	4,471	6,280	11,180	10,810
Wyoming	8,134	6,737	6,618	944	1,119	1,718	1,922
Total	1,600,353	1,626,816	1,826,706	178,283	212,430	369,995	361,096

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
	January	Total	December	November	October	September	August
Alabama	3,049	23,711	3,336	2,290	1,515	1,036	1,053
Alaska	2,540	15,948	2,277	1,985	1,403	864	642
Arizona	4,015	30,725	3,630	2,643	1,985	1,792	1,759
Arkansas	6,273	45,267	6,208	4,004	3,056	2,639	2,571
California	29,678	235,267	28,663	22,150	17,177	16,573	17,531
Colorado	9,526	54,176	9,058	5,136	2,751	1,815	1,503
Connecticut	7,643	51,828	7,325	4,997	3,279	2,543	2,541
Delaware	1,877	12,832	1,939	1,309	898	620	588
District of Columbia	1,976	15,240	1,958	1,536	875	657	681
Florida	6,113	61,039	5,757	5,137	4,604	4,452	4,189
Georgia	7,290	51,896	7,729	4,656	2,608	2,113	2,083
Hawaii	185	1,926	170	165	162	171	163
Idaho	3,722	17,316	3,221	1,632	1,245	798	701
Illinois	35,362	209,624	34,525	17,156	12,531	8,174	7,896
Indiana	12,716	R74,400	R13,339	R6,390	R4,343	R2,729	R2,502
Iowa	8,099	48,628	8,277	4,136	2,937	1,790	1,806
Kansas	5,302	31,546	5,369	2,432	1,786	1,402	1,429
Kentucky	5,429	34,104	6,038	3,045	1,720	1,187	1,137
Louisiana	3,326	30,340	3,542	2,572	2,192	1,964	2,071
Maine	1,334	8,735	R1,327	776	R536	299	R287
Maryland	10,185	69,367	9,575	6,787	4,106	3,179	2,896
Massachusetts	14,517	99,142	14,636	9,770	6,940	4,187	3,980
Michigan	26,560	161,569	25,089	13,434	8,386	5,464	5,284
Minnesota	17,100	93,812	14,977	8,140	5,463	2,987	2,877
Mississippi	2,387	18,341	2,400	1,632	1,111	1,001	985
Missouri	10,356	59,444	10,500	5,711	3,079	2,067	2,211
Montana	4,122	21,711	4,021	2,279	1,585	951	756
Nebraska	4,856	26,475	4,802	2,296	1,236	937	913
Nevada	4,488	30,730	3,952	2,606	2,126	1,813	1,701
New Hampshire	1,517	8,766	1,530	918	376	241	209
New Jersey	NA	157,393	24,251	12,040	8,115	7,542	8,440
New Mexico	3,939	25,745	4,108	3,440	1,583	1,208	1,086
New York	42,331	310,064	40,704	27,805	21,085	15,423	16,633
North Carolina	7,530	56,592	7,565	5,369	3,403	2,826	2,826
North Dakota	2,339	12,023	2,387	1,051	810	363	305
Ohio	25,158	152,943	24,229	14,644	8,588	4,917	4,931
Oklahoma	7,097	38,626	6,979	3,002	1,991	1,684	1,646
Oregon	5,831	26,132	4,930	2,458	1,901	1,045	679
Pennsylvania	23,360	148,756	23,834	14,846	8,847	5,067	4,814
Rhode Island	1,887	10,869	1,864	1,031	578	236	169
South Carolina	2,810	24,191	2,895	2,470	1,619	1,309	1,325
South Dakota	1,975	10,510	1,982	970	594	351	300
Tennessee	7,329	52,082	8,391	4,929	2,663	2,141	2,052
Texas	NA	NA	20,140	13,071	10,754	10,095	10,092
Utah	7,579	38,760	6,977	4,188	1,955	1,347	1,028
Vermont	822	NA	834	567	489	348	350
Virginia	9,325	67,366	8,352	7,385	4,444	2,936	2,664
Washington	9,440	51,139	8,615	4,767	3,790	2,494	2,176
West Virginia	2,950	22,390	3,109	2,051	1,336	994	1,001
Wisconsin	15,292	87,802	14,479	7,348	4,834	3,110	3,029
Wyoming	2,431	12,641	2,136	1,185	801	522	442
Total	478,549	R3,123,367	R463,930	R282,337	R192,191	R142,405	R140,935

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	1,015	1,180	1,244	1,497	1,825	3,106	4,613
Alaska	566	664	825	1,195	1,664	1,752	2,110
Arizona	1,771	1,910	2,165	2,460	2,770	3,398	4,443
Arkansas	2,433	2,529	2,837	3,099	4,174	5,497	6,220
California	15,553	15,889	16,362	17,097	20,403	21,311	26,558
Colorado	1,647	1,838	3,121	4,598	6,179	7,263	9,269
Connecticut	2,521	2,175	2,917	3,862	5,272	7,021	7,376
Delaware	540	535	695	934	1,113	1,658	2,003
District of Columbia	670	623	854	1,190	1,264	2,405	2,528
Florida	4,538	4,450	4,774	5,164	5,543	6,001	6,429
Georgia	2,045	2,078	2,465	3,237	4,427	7,996	10,458
Hawaii	155	154	151	162	157	155	159
Idaho	657	653	851	993	1,706	2,077	2,782
Illinois	7,882	7,251	10,496	15,803	21,382	30,584	35,945
Indiana	R2,095	R2,183	R3,288	R5,180	R6,513	R11,450	R14,389
Iowa	1,738	1,586	2,110	3,493	4,879	7,054	8,822
Kansas	1,371	1,476	1,777	1,906	2,653	4,212	5,732
Kentucky	1,069	1,023	1,545	1,827	3,238	5,517	6,758
Louisiana	1,882	1,909	2,219	2,247	2,364	2,921	4,457
Maine	R292	R319	R483	R809	R1,044	R1,198	1,367
Maryland	2,823	3,188	4,081	5,411	6,392	9,509	11,422
Massachusetts	3,715	3,621	5,404	8,350	10,080	13,214	15,244
Michigan	5,093	5,515	8,703	14,623	18,781	24,800	26,396
Minnesota	2,709	3,116	4,634	7,387	10,400	14,300	16,822
Mississippi	930	1,173	1,207	1,032	1,453	2,237	3,179
Missouri	2,128	2,122	2,782	3,376	5,431	8,887	11,150
Montana	745	778	1,158	1,488	2,272	2,434	3,244
Nebraska	942	1,029	1,243	1,783	2,518	3,775	5,001
Nevada	1,748	1,760	2,155	2,390	2,766	3,365	4,348
New Hampshire	206	255	398	738	991	1,320	1,584
New Jersey	8,390	8,184	9,176	11,773	15,436	20,511	23,535
New Mexico	1,041	1,152	1,288	1,607	2,265	2,902	4,065
New York	16,016	15,142	17,114	23,655	29,003	40,326	47,157
North Carolina	2,617	2,615	2,915	3,791	4,335	8,013	10,316
North Dakota	308	302	430	1,044	1,211	1,659	2,153
Ohio	4,220	4,182	6,674	12,115	14,966	23,559	29,917
Oklahoma	1,495	1,565	2,092	2,215	3,442	5,075	7,439
Oregon	1,026	1,020	1,285	1,752	2,849	3,087	4,099
Pennsylvania	4,553	4,967	7,146	11,041	13,699	22,320	27,622
Rhode Island	176	237	555	988	1,261	1,767	2,006
South Carolina	1,157	1,279	1,422	1,885	1,881	3,039	3,910
South Dakota	301	304	485	826	1,061	1,405	1,931
Tennessee	2,035	2,032	2,652	2,983	4,369	7,608	10,226
Texas	10,294	NA	10,611	13,184	14,740	19,038	23,837
Utah	1,235	1,075	2,010	2,773	3,970	5,319	6,883
Vermont	345	306	286	NA	516	714	899
Virginia	2,646	3,132	3,556	5,145	6,289	9,234	11,584
Washington	2,268	2,441	2,828	3,094	5,496	5,807	7,362
West Virginia	1,059	984	1,208	1,633	2,302	3,018	3,696
Wisconsin	2,838	3,132	4,532	7,133	9,172	13,078	15,118
Wyoming	413	406	810	1,043	1,403	1,539	1,941
Total	R135,912	R138,840	R172,019	R233,538	R299,321	R415,435	R506,503

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
Alabama	24,915	2,398	2,348	1,534	1,190	1,136	1,106
Alaska	18,472	2,469	2,028	1,393	1,202	717	662
Arizona	30,528	4,130	3,014	1,918	1,708	1,650	1,758
Arkansas	47,651	4,918	4,033	3,163	2,654	2,517	2,388
California	235,787	29,483	26,091	16,134	15,078	16,351	15,782
Colorado	54,004	9,189	6,639	2,795	1,647	1,409	1,522
Connecticut	52,453	4,915	4,024	3,080	2,515	2,451	2,321
Delaware	11,731	1,234	1,117	852	453	429	393
District of Columbia	17,113	1,611	1,563	1,230	798	770	712
Florida	62,754	5,584	5,144	4,936	4,382	4,589	4,671
Georgia	53,712	5,192	4,701	3,163	2,420	2,275	2,161
Hawaii	1,908	167	148	152	153	156	159
Idaho	16,708	2,812	2,140	1,102	718	603	627
Illinois	215,218	24,423	18,019	12,469	7,827	7,840	7,358
Indiana	77,526	8,323	6,374	4,687	2,765	2,171	2,356
Iowa	49,269	6,378	4,268	3,109	1,752	1,499	1,600
Kansas	30,959	4,058	2,487	2,132	1,610	1,796	1,428
Kentucky	35,435	3,735	3,061	1,788	1,208	1,205	1,192
Louisiana	29,805	2,872	2,697	2,213	2,141	1,839	1,745
Maine	10,072	1,006	816	597	435	428	417
Maryland	70,199	6,638	5,903	4,720	2,962	2,986	2,943
Massachusetts	105,397	10,010	9,181	7,315	3,981	3,877	3,892
Michigan	168,360	17,807	13,062	9,169	5,182	5,372	5,034
Minnesota	93,004	12,435	8,304	5,158	2,760	2,884	2,516
Mississippi	19,697	1,800	1,741	1,302	1,167	1,045	960
Missouri	61,388	7,357	5,298	3,331	2,112	2,161	1,881
Montana	19,364	3,082	2,486	1,149	682	577	590
Nebraska	29,464	4,117	2,718	1,616	964	1,044	1,264
Nevada	29,873	4,045	3,114	1,977	1,674	1,722	1,610
New Hampshire	9,630	1,050	850	389	240	233	229
New Jersey	163,223	13,604	11,164	8,406	7,123	7,173	7,475
New Mexico	25,038	4,115	3,137	1,608	1,053	1,068	980
New York	311,203	28,986	24,516	19,000	14,007	14,826	14,458
North Carolina	55,114	4,403	5,334	4,116	2,889	2,452	2,487
North Dakota	12,317	1,799	1,208	664	320	310	307
Ohio	166,602	16,202	12,682	9,078	4,465	4,716	4,679
Oklahoma	41,977	5,631	3,757	2,030	1,599	1,565	1,530
Oregon	25,797	4,191	3,351	1,510	1,184	923	942
Pennsylvania	152,079	14,838	12,872	9,859	5,196	4,641	4,390
Rhode Island	12,016	1,132	1,030	638	247	253	262
South Carolina	23,494	1,873	2,099	1,795	1,356	1,365	1,301
South Dakota	10,434	1,546	1,114	565	312	310	305
Tennessee	53,041	5,191	4,634	3,032	2,225	2,057	2,039
Texas	177,594	19,098	13,847	10,634	9,727	9,512	10,752
Utah	35,772	6,958	4,785	1,491	1,003	1,170	1,181
Vermont	5,918	583	554	520	334	316	340
Virginia	69,107	6,201	6,155	4,889	3,592	2,646	2,716
Washington	49,967	7,685	6,044	3,220	2,521	1,995	2,068
West Virginia	22,598	2,014	1,928	1,551	1,110	853	984
Wisconsin	90,175	10,348	7,772	4,983	2,866	2,963	2,781
Wyoming	12,937	2,395	1,637	604	503	298	422
Total	3,198,797	352,031	282,990	194,764	138,010	135,142	133,678

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	June	May	April	March	February	January
Alabama	1,103	1,405	1,432	2,127	4,665	4,471
Alaska	574	1,147	1,548	2,268	1,992	2,473
Arizona	1,878	2,203	2,422	2,785	3,082	3,980
Arkansas	2,405	2,654	3,183	5,328	7,068	7,338
California	16,147	19,132	18,079	18,893	19,598	25,020
Colorado	1,954	3,510	3,872	5,458	7,069	8,940
Connecticut	2,239	2,611	4,444	7,321	8,272	8,259
Delaware	429	422	770	1,504	2,097	2,031
District of Columbia	821	725	1,010	2,184	2,648	3,043
Florida	4,863	4,762	5,286	5,629	6,332	6,575
Georgia	2,093	2,624	3,296	5,476	10,128	10,181
Hawaii	154	151	168	165	157	179
Idaho	685	850	1,235	1,477	1,770	2,687
Illinois	7,293	9,179	15,102	27,346	39,507	38,856
Indiana	2,308	2,725	5,093	9,951	15,388	15,385
Iowa	1,807	2,113	3,165	5,812	9,123	8,643
Kansas	1,076	1,439	1,588	3,180	4,868	5,296
Kentucky	1,125	1,202	1,739	4,345	7,562	7,275
Louisiana	1,840	2,037	2,001	2,514	3,680	4,226
Maine	407	389	833	1,405	1,665	1,676
Maryland	2,840	2,956	4,954	9,783	11,814	11,699
Massachusetts	4,042	4,417	7,679	14,537	18,252	18,214
Michigan	5,423	7,299	13,744	23,965	31,717	30,587
Minnesota	2,609	3,970	6,599	11,399	17,900	16,471
Mississippi	1,013	1,066	1,129	2,144	3,003	3,327
Missouri	1,840	2,368	4,330	8,620	11,594	10,496
Montana	579	981	1,394	2,045	2,568	3,229
Nebraska	1,281	1,460	1,957	3,127	4,904	5,012
Nevada	1,839	2,119	2,411	2,642	2,902	3,817
New Hampshire	274	308	673	1,455	1,955	1,975
New Jersey	6,556	7,304	15,286	22,572	28,279	28,280
New Mexico	1,240	1,356	1,488	2,093	3,063	3,836
New York	13,026	15,674	22,349	41,823	50,725	51,813
North Carolina	2,867	2,488	3,421	5,408	10,110	9,139
North Dakota	313	580	833	1,491	2,229	2,264
Ohio	5,217	6,476	12,865	24,200	33,326	32,696
Oklahoma	1,541	1,940	2,349	4,767	7,445	7,823
Oregon	981	1,551	2,209	2,391	2,791	3,774
Pennsylvania	5,154	5,766	10,552	21,189	29,766	27,856
Rhode Island	309	385	872	1,949	2,477	2,463
South Carolina	1,285	1,500	1,568	2,129	3,650	3,572
South Dakota	323	498	672	1,103	1,771	1,916
Tennessee	2,141	2,453	2,928	5,637	10,805	9,900
Texas	10,723	10,314	12,752	20,618	21,963	27,654
Utah	1,387	2,168	3,027	3,004	3,979	5,620
Vermont	323	204	370	675	810	889
Virginia	2,644	2,813	4,015	8,607	12,727	12,102
Washington	2,407	2,942	4,172	4,779	5,305	6,829
West Virginia	798	1,107	1,707	3,122	3,798	3,624
Wisconsin	2,840	3,791	6,601	11,827	16,777	16,627
Wyoming	461	919	986	1,196	1,603	1,913
Total	135,477	160,452	232,156	385,467	516,680	531,951

^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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	81,346	83,811	79,877	16,030	15,566	17,067	15,193
Alaska	1,284	1,404	2,179	221	237	281	259
Arizona	8,795	8,701	8,945	1,571	1,593	1,761	1,793
Arkansas	35,900	34,907	38,270	6,949	6,668	7,114	7,110
California	305,469	309,688	312,564	62,090	60,091	62,688	56,613
Colorado	38,532	37,415	36,344	6,480	6,888	7,565	7,647
Connecticut	11,080	11,172	12,540	1,753	1,845	2,629	2,213
Delaware	NA	13,113	14,501	2,316	NA	2,353	2,657
District of Columbia	0	0	0	0	0	0	0
Florida	43,772	44,940	41,841	8,344	8,287	9,164	8,160
Georgia	64,711	66,874	66,737	12,577	11,956	13,984	12,526
Hawaii	225	221	166	46	42	47	42
Idaho	15,920	15,124	12,504	2,741	2,819	3,183	3,276
Illinois	112,045	116,024	122,046	19,242	19,816	23,439	22,641
Indiana	159,233	167,327	169,885	27,859	29,610	33,772	31,544
Iowa	93,988	76,559	77,778	18,141	18,120	19,988	18,125
Kansas	47,510	47,562	45,709	8,440	8,971	9,738	9,017
Kentucky	50,090	51,949	53,115	9,143	9,072	10,486	9,904
Louisiana	NA	431,120	391,483	88,664	87,407	89,796	82,009
Maine	7,384	NA	9,901	1,171	1,375	1,595	1,534
Maryland	6,534	6,688	6,565	1,197	1,019	1,540	1,280
Massachusetts	23,204	22,326	24,195	3,129	4,122	5,428	4,995
Michigan	78,796	80,741	83,708	12,465	13,101	17,606	16,457
Minnesota	72,314	73,759	72,098	12,793	13,663	14,831	14,655
Mississippi	54,408	49,408	50,574	10,846	10,796	11,140	10,396
Missouri	NA	29,657	30,740	4,727	5,024	5,926	NA
Montana	7,517	NA	8,854	1,089	1,261	1,628	1,620
Nebraska	36,595	32,725	35,463	6,880	7,022	7,358	7,608
Nevada	8,007	7,621	7,543	1,469	1,525	1,673	1,519
New Hampshire	3,710	NA	3,927	651	733	781	782
New Jersey	NA	25,115	25,957	4,358	NA	NA	4,997
New Mexico	NA	6,980	7,888	1,309	NA	NA	1,243
New York	36,610	36,702	41,420	5,589	6,469	8,343	7,634
North Carolina	44,579	46,891	46,319	8,317	8,294	9,643	8,674
North Dakota	14,288	12,599	13,710	2,885	2,938	3,089	2,402
Ohio	126,418	127,036	133,554	21,430	22,640	26,995	26,065
Oklahoma	85,344	83,375	80,135	16,732	17,206	17,894	15,546
Oregon	25,152	23,636	24,002	4,643	4,675	5,092	4,978
Pennsylvania	93,806	92,887	110,983	16,557	16,851	20,727	18,755
Rhode Island	NA	3,709	3,863	666	799	716	NA
South Carolina	37,658	37,191	35,184	7,336	7,140	7,985	7,162
South Dakota	19,491	18,956	18,943	3,595	3,777	3,809	4,066
Tennessee	57,554	52,302	51,511	10,957	10,600	11,878	11,608
Texas	NA	677,529	660,513	133,509	130,659	140,415	131,076
Utah	17,707	17,189	16,386	3,248	3,481	3,390	3,810
Vermont	957	986	891	158	167	215	196
Virginia	NA	37,864	36,316	7,687	7,825	NA	7,032
Washington	34,262	33,419	32,581	6,039	6,250	6,991	6,836
West Virginia	14,951	12,709	12,189	2,743	2,567	3,225	3,013
Wisconsin	67,840	65,065	64,724	10,957	11,632	14,930	13,681
Wyoming	22,329	20,837	19,887	4,142	4,341	4,675	4,363
Total	3,302,568	3,274,489	3,257,008	621,882	623,109	689,297	641,334

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
	January	Total	December	November	October	September	August	
Alabama	17,491	189,066	16,700	15,247	14,849	13,993	14,623	
Alaska	286	4,268	466	493	538	436	261	
Arizona	2,078	19,762	1,914	1,647	1,664	1,576	1,384	
Arkansas	8,059	80,896	7,842	6,984	6,496	6,142	6,469	
California	63,988	772,366	66,309	62,744	63,617	68,647	72,567	
Colorado	9,951	81,068	9,511	7,271	6,154	5,217	5,298	
Connecticut	2,640	24,743	2,724	2,256	1,779	1,695	1,766	
Delaware	2,888	NA	2,777	NA	2,742	2,659	2,573	
District of Columbia	0	0	0	0	0	0	0	
Florida	9,817	103,528	9,128	8,608	8,357	8,142	8,409	
Georgia	13,668	152,916	13,563	12,720	12,805	11,364	11,760	
Hawaii	48	542	42	41	43	44	56	
Idaho	3,901	34,782	3,790	3,173	3,119	2,661	2,253	
Illinois	26,907	NA	27,278	22,336	20,481	18,672	17,648	
Indiana	36,448	370,734	37,397	28,273	24,643	27,073	27,950	
Iowa	19,614	187,987	20,033	18,342	16,267	14,106	14,383	
Kansas	11,343	114,795	11,764	9,145	8,448	7,741	11,262	
Kentucky	11,485	115,334	11,102	10,040	9,012	8,211	8,590	
Louisiana	NA	1,039,701	93,159	87,364	84,902	83,892	86,726	
Maine	1,709	NA	1,460	1,350	1,634	1,522	1,530	
Maryland	1,497	NA	NA	1,124	1,256	978	1,183	
Massachusetts	5,531	44,896	5,115	4,138	3,271	2,450	2,376	
Michigan	19,166	173,140	18,529	14,628	13,284	12,206	11,525	
Minnesota	16,372	161,967	15,909	13,695	11,955	10,822	12,027	
Mississippi	11,231	116,053	10,723	9,927	8,328	8,686	9,565	
Missouri	NA	NA	6,789	5,300	NA	4,666	4,336	
Montana	1,920	NA	1,927	2,209	NA	NA	NA	
Nebraska	7,728	87,938	8,105	8,026	7,797	7,380	8,856	
Nevada	1,820	NA	NA	1,523	1,635	NA	NA	
New Hampshire	763	NA	728	685	616	586	551	
New Jersey	5,436	63,578	5,587	4,674	5,614	5,377	5,733	
New Mexico	1,547	16,165	1,529	1,398	1,325	1,237	1,214	
New York	8,576	81,684	8,814	7,179	6,491	5,650	5,897	
North Carolina	9,650	105,636	9,641	8,950	8,636	7,710	8,381	
North Dakota	2,973	31,340	2,625	3,068	3,185	2,853	2,040	
Ohio	29,288	277,927	27,932	23,646	21,566	19,514	19,074	
Oklahoma	17,966	192,349	17,580	15,453	14,985	13,805	15,640	
Oregon	5,764	54,533	5,387	4,489	4,645	4,219	4,095	
Pennsylvania	20,916	209,336	20,384	19,228	17,129	14,675	16,036	
Rhode Island	806	8,474	734	677	694	742	662	
South Carolina	8,036	87,105	7,864	7,759	7,074	6,780	6,820	
South Dakota	4,244	44,559	4,107	3,952	3,564	3,535	3,660	
Tennessee	12,512	122,540	12,126	10,505	9,963	9,315	9,598	
Texas	NA	NA	156,777	142,307	139,331	139,062	NA	
Utah	3,779	38,568	3,460	3,201	3,130	2,995	2,735	
Vermont	222	2,172	217	199	185	153	140	
Virginia	7,740	89,149	7,677	7,555	6,462	7,536	7,461	
Washington	8,145	79,274	7,906	6,688	7,137	6,413	5,965	
West Virginia	3,403	33,710	3,519	3,406	3,159	2,847	2,706	
Wisconsin	16,639	143,209	15,836	12,337	11,267	9,824	9,963	
Wyoming	4,809	51,372	5,032	4,803	4,522	3,904	4,187	
Total	726,945	7,719,088	732,985	653,337	622,196	603,137	626,828	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	14,695	15,147	16,613	15,753	16,568	16,396	18,481
Alaska	307	363	261	183	237	243	479
Arizona	1,335	1,542	1,591	1,577	1,709	1,793	2,031
Arkansas	6,029	6,028	6,420	6,512	6,968	7,081	7,925
California	66,296	62,499	63,054	61,348	62,467	58,716	64,102
Colorado	5,168	5,034	6,193	6,680	7,599	7,760	9,184
Connecticut	1,718	1,633	1,747	1,958	2,083	2,566	2,817
Delaware	2,691	2,333	2,643	2,464	2,666	2,517	2,821
District of Columbia	0	0	0	0	0	0	0
Florida	8,293	7,650	8,617	9,093	9,148	8,667	9,416
Georgia	11,890	11,941	12,721	12,435	13,481	13,859	14,377
Hawaii	54	41	47	42	41	44	47
Idaho	2,525	2,137	2,463	2,494	3,186	3,335	3,647
Illinois	NA	NA	18,796	20,311	23,292	25,696	27,930
Indiana	29,030	29,040	31,227	31,464	33,813	34,110	36,713
Iowa	14,264	14,033	14,229	13,908	15,725	15,766	16,930
Kansas	10,236	8,637	8,540	8,657	9,567	9,884	10,916
Kentucky	8,181	8,249	9,181	9,458	10,363	10,922	12,025
Louisiana	87,948	84,591	87,285	85,108	87,558	81,450	89,718
Maine	1,511	NA	NA	NA	NA	NA	NA
Maryland	1,196	1,042	1,179	1,239	1,519	1,428	1,322
Massachusetts	2,431	2,790	3,111	4,072	4,478	5,187	5,478
Michigan	10,796	11,431	12,111	14,685	16,587	18,218	19,140
Minnesota	12,140	11,660	12,443	13,275	15,479	15,288	17,274
Mississippi	9,583	9,833	9,766	9,641	9,093	10,101	10,807
Missouri	4,489	4,421	4,993	4,977	5,597	7,176	6,914
Montana	NA	NA	1,723	NA	NA	1,918	2,136
Nebraska	8,163	6,885	6,557	6,363	6,496	6,311	6,998
Nevada	NA	1,433	1,483	1,518	1,562	1,448	1,609
New Hampshire	558	NA	NA	NA	NA	NA	826
New Jersey	6,005	5,472	4,533	5,007	4,351	4,929	6,294
New Mexico	1,257	1,225	1,302	1,234	1,443	1,454	1,547
New York	5,510	5,441	5,215	7,067	7,901	8,332	8,187
North Carolina	7,751	7,678	8,450	8,646	9,211	10,069	10,515
North Dakota	2,197	2,773	2,800	2,094	2,668	2,278	2,759
Ohio	19,309	19,851	21,570	23,038	25,038	27,438	29,952
Oklahoma	15,809	15,702	17,335	16,366	16,456	15,430	17,788
Oregon	4,016	4,047	4,334	4,365	4,815	4,718	5,404
Pennsylvania	14,622	14,377	15,523	17,350	18,968	20,231	20,816
Rhode Island	605	652	691	728	760	799	730
South Carolina	6,691	6,927	7,360	7,376	7,449	7,198	7,808
South Dakota	3,400	3,385	3,479	3,644	3,785	3,932	4,116
Tennessee	9,264	9,467	9,340	9,521	10,126	11,145	12,169
Texas	NA	130,406	130,670	128,883	139,966	133,542	144,468
Utah	2,822	3,036	3,073	3,569	3,376	3,600	3,571
Vermont	140	151	167	192	204	204	220
Virginia	7,398	7,196	7,382	7,181	7,482	7,185	8,633
Washington	6,014	5,732	5,760	6,305	6,605	6,792	7,958
West Virginia	2,832	2,530	2,205	2,306	2,677	2,718	2,804
Wisconsin	9,224	9,691	10,100	11,833	12,944	14,219	15,970
Wyoming	4,158	3,930	4,045	3,943	4,285	4,147	4,416
Total	616,097	590,019	612,485	619,606	662,043	660,547	719,808

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
Alabama	186,954	15,730	15,157	15,350	14,954	15,369	15,841
Alaska	4,864	422	381	369	345	402	390
Arizona	20,402	2,029	1,882	1,604	1,446	1,487	1,498
Arkansas	85,287	7,301	7,201	6,903	6,342	6,455	6,434
California	777,104	66,909	63,511	64,415	65,899	71,454	69,807
Colorado	78,694	8,998	7,697	5,866	4,823	5,029	5,033
Connecticut	25,612	2,194	2,010	1,883	1,712	1,804	1,736
Delaware	33,126	3,040	2,682	2,590	2,448	2,636	2,668
District of Columbia	0	0	0	0	0	0	0
Florida	96,124	8,855	7,706	7,928	7,320	7,298	7,605
Georgia	157,936	13,423	13,324	13,742	12,274	12,720	13,006
Hawaii	442	36	36	43	37	41	38
Idaho	31,664	3,399	3,311	3,028	2,561	2,412	2,091
Illinois	265,900	24,502	23,724	20,369	18,722	18,717	19,614
Indiana	372,537	33,407	29,891	28,801	26,669	28,121	28,246
Iowa	178,772	15,802	15,136	15,213	13,428	13,991	13,797
Kansas	111,016	11,367	9,144	8,368	7,999	9,938	10,113
Kentucky	115,956	9,951	9,766	8,847	8,471	8,798	8,438
Louisiana	948,918	85,177	81,583	79,536	77,834	80,573	77,087
Maine	20,972	1,526	1,510	1,670	1,590	1,555	1,591
Maryland	14,765	1,312	1,277	1,252	1,140	927	1,123
Massachusetts	44,554	4,043	4,042	3,051	2,574	2,215	2,265
Michigan	171,196	15,555	14,100	13,319	11,478	11,210	11,139
Minnesota	157,400	15,545	13,674	13,346	11,362	10,324	10,333
Mississippi	121,866	10,513	10,323	11,293	9,900	9,648	9,720
Missouri	65,691	6,158	5,560	4,912	4,551	4,399	4,742
Montana	21,152	2,102	1,939	1,812	1,654	1,901	1,391
Nebraska	85,604	7,161	7,848	7,320	6,508	7,106	7,738
Nevada	17,724	1,467	1,507	1,463	1,470	1,463	1,425
New Hampshire	8,386	743	709	619	605	566	606
New Jersey	55,368	4,211	4,575	4,156	4,079	4,039	4,218
New Mexico	17,937	1,571	1,613	1,476	1,345	1,434	1,379
New York	83,055	6,684	6,657	6,256	5,594	5,803	5,278
North Carolina	105,103	9,050	8,912	9,045	7,975	8,155	7,855
North Dakota	31,660	2,377	2,951	2,948	2,706	2,519	1,999
Ohio	276,004	23,373	22,474	20,128	18,521	19,080	19,463
Oklahoma	184,627	17,940	17,208	15,900	14,979	13,433	12,256
Oregon	54,931	5,261	4,834	4,377	4,087	4,163	4,014
Pennsylvania	241,287	20,844	19,346	19,056	17,342	17,482	18,103
Rhode Island	8,624	742	669	675	686	673	650
South Carolina	84,405	7,892	7,360	7,255	6,632	6,762	6,658
South Dakota	44,094	3,872	3,815	3,422	3,438	3,534	3,499
Tennessee	114,673	9,842	9,275	9,189	8,715	8,767	8,573
Texas	1,599,279	144,705	137,006	131,492	127,538	135,406	133,141
Utah	37,189	3,568	3,083	2,933	2,724	2,755	2,744
Vermont	2,040	188	178	188	150	153	156
Virginia	86,817	7,186	7,338	7,260	6,752	7,360	7,286
Washington	76,600	7,527	6,991	6,754	6,029	5,638	5,375
West Virginia	25,901	2,430	2,061	1,893	1,717	1,877	1,787
Wisconsin	136,709	12,901	12,329	10,777	9,133	9,153	8,853
Wyoming	47,667	4,626	4,196	3,906	3,644	3,765	3,826
Total	7,534,589	675,456	639,499	613,999	579,903	600,508	592,628

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	June	May	April	March	February	January
Alabama	14,675	15,522	14,200	15,980	16,318	17,857
Alaska	376	397	395	439	450	497
Arizona	1,512	1,644	1,659	1,831	1,695	2,115
Arkansas	6,380	6,771	7,029	7,921	8,062	8,486
California	62,545	63,541	63,109	62,086	57,365	66,464
Colorado	4,904	6,015	6,100	7,182	8,094	8,953
Connecticut	1,733	1,816	2,082	2,936	2,728	2,978
Delaware	2,560	2,819	3,037	3,171	2,494	2,980
District of Columbia	0	0	0	0	0	0
Florida	7,572	8,064	7,994	8,562	8,416	8,804
Georgia	12,710	13,089	12,115	13,537	13,192	14,803
Hawaii	44	31	32	37	28	38
Idaho ^a	2,359	2,598	2,322	2,419	2,558	2,607
Illinois	18,206	19,770	20,616	24,665	27,785	29,210
Indiana	27,518	29,593	29,054	36,014	37,319	37,904
Iowa	13,627	14,433	13,906	15,493	16,578	17,368
Kansas	8,377	7,763	8,285	8,435	10,152	11,073
Kentucky	8,571	8,729	9,650	11,399	11,377	11,960
Louisiana	75,647	79,939	76,095	76,843	74,907	83,698
Maine	1,629	1,718	1,953	2,186	1,843	2,201
Maryland	1,168	1,141	1,135	1,351	1,353	1,584
Massachusetts	2,169	2,808	4,049	5,321	6,187	5,830
Michigan	10,687	11,570	14,382	17,712	19,139	20,906
Minnesota	10,718	11,132	13,355	15,419	15,370	16,822
Mississippi	9,896	9,645	9,620	9,986	10,330	10,994
Missouri	4,629	4,657	5,116	6,733	7,055	7,179
Montana	1,500	1,613	1,612	1,729	1,796	2,105
Nebraska	6,459	6,797	6,626	6,395	7,715	7,930
Nevada	1,386	1,438	1,558	1,546	1,376	1,625
New Hampshire	611	598	764	930	812	823
New Jersey	4,134	4,154	4,589	5,316	5,557	6,341
New Mexico	1,230	1,550	1,597	1,643	1,523	1,575
New York	5,363	5,775	7,332	9,508	9,426	9,378
North Carolina	7,794	8,132	8,546	9,856	9,375	10,411
North Dakota	2,452	2,835	2,510	2,940	2,687	2,736
Ohio	19,413	20,431	22,803	28,217	30,802	31,300
Oklahoma	12,777	15,918	15,178	15,925	15,213	17,901
Oregon	4,194	4,411	4,784	4,824	4,648	5,335
Pennsylvania	18,132	19,273	20,078	24,188	23,656	23,787
Rhode Island	666	701	848	760	826	728
South Carolina	6,661	6,852	7,080	7,602	6,083	7,567
South Dakota	3,571	3,524	3,706	3,722	3,967	4,025
Tennessee	8,800	8,581	9,194	10,716	11,509	11,512
Texas	129,478	134,316	129,221	132,504	124,812	139,660
Utah	2,994	3,073	3,092	3,152	3,483	3,586
Vermont	137	134	158	207	176	217
Virginia	7,320	7,646	7,711	6,605	6,805	7,550
Washington	5,703	6,000	6,193	6,880	6,255	7,253
West Virginia	1,948	1,905	2,282	2,716	2,713	2,572
Wisconsin	8,839	9,392	10,427	13,617	15,341	15,947
Wyoming	3,817	3,673	3,919	4,092	3,733	4,470
Total	575,588	603,928	609,100	663,251	661,083	719,645

^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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	139,056	153,900	154,813	30,762	29,599	30,229	22,970
Alaska	6,132	9,036	12,471	859	960	1,294	976
Arizona	55,458	80,838	56,014	18,958	14,145	7,550	5,346
Arkansas	41,825	50,016	48,693	11,710	10,484	9,547	6,362
California	182,999	223,236	266,977	35,019	27,565	32,709	36,916
Colorado	34,596	37,775	29,178	7,183	7,343	6,140	5,661
Connecticut	40,563	50,754	44,363	6,658	7,129	8,124	8,279
Delaware	13,924	16,996	16,896	4,209	2,306	3,394	2,097
District of Columbia	--	--	--	--	--	--	--
Florida	435,733	464,285	442,171	108,093	92,091	88,623	71,285
Georgia	136,150	147,436	131,014	29,897	24,055	26,609	27,229
Hawaii	--	--	--	--	--	--	--
Idaho	8,432	9,081	6,924	1,310	1,441	1,735	1,536
Illinois	33,449	48,567	27,309	8,305	4,653	8,467	6,213
Indiana	49,248	62,203	56,001	6,931	8,499	12,870	9,760
Iowa	7,118	7,833	5,524	1,595	1,667	1,417	906
Kansas	6,046	4,913	4,769	1,566	1,700	1,289	600
Kentucky	17,735	24,737	17,685	4,323	4,336	4,750	1,869
Louisiana	99,628	136,382	120,462	24,258	21,508	21,645	16,448
Maine	W	8,284	6,642	W	W	W	W
Maryland	16,655	15,238	11,034	3,395	3,772	4,687	2,716
Massachusetts	70,725	57,105	48,115	14,369	14,727	14,894	12,824
Michigan	74,321	97,796	66,691	15,628	13,406	18,453	11,625
Minnesota	19,163	27,849	17,147	3,538	3,334	4,257	3,078
Mississippi	125,164	141,359	130,183	29,297	24,478	28,521	18,076
Missouri	13,306	16,268	W	3,192	2,286	3,215	2,085
Montana	1,801	W	W	352	359	369	302
Nebraska	W	1,119	W	W	W	W	W
Nevada	68,777	79,850	70,661	14,558	11,948	12,922	13,168
New Hampshire	8,808	10,709	16,425	1,776	3,572	1,464	893
New Jersey	89,056	117,192	103,798	19,017	16,692	22,311	14,037
New Mexico	27,253	31,484	28,510	6,054	4,537	5,244	4,969
New York	150,106	169,568	172,349	29,629	26,293	34,603	27,617
North Carolina	107,652	122,208	104,246	21,506	18,053	24,324	21,817
North Dakota	W	W	W	W	517	538	504
Ohio	70,304	84,881	87,315	14,985	11,330	15,458	13,768
Oklahoma	70,449	98,333	94,296	17,865	16,318	12,121	10,375
Oregon	26,108	33,360	34,296	2,289	2,696	3,648	6,185
Pennsylvania	148,987	174,451	156,159	27,869	25,348	32,350	30,087
Rhode Island	16,545	17,408	15,251	3,614	3,378	3,346	2,964
South Carolina	49,901	44,513	42,018	12,569	11,110	9,774	8,753
South Dakota	W	2,846	W	W	W	W	321
Tennessee	27,450	30,978	26,886	3,286	6,053	8,415	4,911
Texas	469,770	597,502	616,316	111,205	98,684	94,308	77,504
Utah	14,335	23,625	19,213	2,458	2,166	2,239	2,636
Vermont	5	3	15	2	*	2	1
Virginia	116,147	101,352	88,409	23,632	19,876	26,635	22,805
Washington	29,538	29,395	22,648	4,131	5,248	5,404	5,229
West Virginia	W	4,275	3,078	532	279	W	W
Wisconsin	32,368	53,207	38,871	5,955	5,929	8,181	5,385
Wyoming	W	W	W	W	W	W	W
Total	3,167,532	3,726,866	3,481,276	697,125	613,895	667,123	550,276

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
	January	Total	December	November	October	September	August
Alabama	25,496	415,162	30,859	30,500	31,962	40,587	43,505
Alaska	2,044	22,236	1,753	1,763	1,732	1,952	2,200
Arizona	9,459	255,593	9,577	12,145	20,806	28,593	36,059
Arkansas	3,723	136,368	7,172	10,868	9,109	9,207	16,405
California	50,791	671,152	52,512	51,615	62,951	64,501	79,709
Colorado	8,269	95,419	7,245	5,669	5,848	6,793	10,126
Connecticut	10,373	122,240	9,470	9,797	9,514	9,817	12,137
Delaware	1,919	53,926	2,262	3,572	5,346	5,237	7,089
District of Columbia	--	--	--	--	--	--	--
Florida	75,640	1,180,649	76,560	76,861	96,936	108,803	120,587
Georgia	28,361	379,202	25,859	23,972	26,061	31,785	41,363
Hawaii	--	--	--	--	--	--	--
Idaho	2,410	23,971	1,766	834	1,366	2,671	3,698
Illinois	5,811	146,175	8,363	8,308	11,710	12,872	20,063
Indiana	11,188	158,414	13,562	13,587	11,299	11,936	16,077
Iowa	1,533	20,233	713	575	942	1,249	3,628
Kansas	891	20,324	931	1,262	1,356	2,735	2,847
Kentucky	2,457	66,907	5,420	4,211	4,730	5,454	7,597
Louisiana	15,770	330,642	18,790	19,777	22,889	28,503	31,968
Maine	W	22,408	815	1,122	1,770	1,834	3,562
Maryland	2,084	49,059	822	570	3,308	5,414	10,307
Massachusetts	13,910	160,044	10,717	8,180	9,495	14,211	21,417
Michigan	15,208	243,612	15,356	16,947	16,857	17,992	31,130
Minnesota	4,957	65,606	2,906	3,268	3,282	3,332	10,302
Mississippi	24,792	367,456	27,475	21,372	27,273	36,326	37,854
Missouri	2,529	51,135	3,601	2,189	3,153	4,845	6,815
Montana	418	7,306	W	W	W	618	1,051
Nebraska	W	6,358	196	674	469	291	1,119
Nevada	16,181	209,610	15,951	15,667	15,257	17,112	21,887
New Hampshire	1,104	33,841	2,200	3,078	2,362	3,909	4,582
New Jersey	16,998	327,628	21,684	19,960	27,481	30,078	41,217
New Mexico	6,449	82,929	6,174	5,270	7,211	7,250	8,608
New York	31,964	477,867	33,326	28,853	32,503	45,082	64,329
North Carolina	21,952	293,669	21,708	23,813	18,622	24,204	30,092
North Dakota	671	9,347	W	607	691	828	1,315
Ohio	14,763	211,732	15,615	15,568	14,289	18,191	23,086
Oklahoma	13,769	274,388	16,442	20,889	18,559	25,575	29,527
Oregon	11,290	107,069	12,339	7,788	7,767	13,139	14,263
Pennsylvania	33,332	500,656	38,553	38,967	39,512	47,277	57,598
Rhode Island	3,244	46,974	2,844	2,903	2,968	4,439	5,686
South Carolina	7,695	133,130	7,370	13,620	10,992	13,848	14,771
South Dakota	552	7,574	272	512	473	556	1,139
Tennessee	4,785	87,680	7,931	3,688	6,423	8,879	10,415
Texas	88,069	1,538,663	90,872	96,452	111,658	144,557	174,935
Utah	4,836	58,008	4,215	3,313	4,019	4,423	6,023
Vermont	2	14	2	2	2	3	3
Virginia	23,199	292,826	20,812	20,785	18,007	27,967	38,099
Washington	9,526	85,403	7,455	4,674	5,017	10,717	12,266
West Virginia	W	10,311	164	386	1,662	1,150	686
Wisconsin	6,919	120,764	6,991	6,628	5,218	8,027	15,103
Wyoming	114	1,844	W	W	W	W	W
Total	639,113	9,983,526	668,757	663,538	741,360	914,908	1,154,593

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						
	July	June	May	April	March	February	January
Alabama	44,566	39,282	33,335	26,636	30,764	29,216	33,949
Alaska	2,044	1,756	1,755	1,645	1,745	1,810	2,080
Arizona	36,512	31,063	20,260	18,623	14,134	12,550	15,271
Arkansas	16,341	17,250	12,184	10,509	12,760	5,899	8,663
California	73,374	63,255	40,618	37,567	37,493	47,121	60,436
Colorado	11,675	10,289	7,741	8,614	7,331	6,294	7,795
Connecticut	11,476	9,275	10,263	11,348	8,938	9,698	10,507
Delaware	7,425	6,001	3,953	4,602	3,856	2,385	2,200
District of Columbia	--	--	--	--	--	--	--
Florida	122,353	114,263	106,961	100,187	90,908	79,470	86,759
Georgia	43,098	39,628	33,268	30,528	29,405	25,637	28,597
Hawaii	--	--	--	--	--	--	--
Idaho	2,549	2,006	1,407	628	1,760	2,412	2,873
Illinois	23,039	13,253	9,676	9,615	12,110	8,898	8,269
Indiana	15,793	13,958	13,693	9,428	13,879	11,811	13,392
Iowa	3,162	2,131	2,456	801	1,453	1,485	1,639
Kansas	3,163	3,117	1,685	1,104	947	510	667
Kentucky	8,026	6,732	4,992	4,493	6,026	3,711	5,514
Louisiana	38,721	33,611	30,795	25,600	27,286	24,777	27,924
Maine	3,252	1,770	1,920	1,409	607	1,896	2,451
Maryland	9,671	3,730	3,879	3,569	4,203	2,295	1,292
Massachusetts	21,351	17,569	15,482	11,546	10,627	9,811	9,641
Michigan	26,034	21,500	22,478	23,125	18,916	16,885	16,392
Minnesota	8,556	6,111	6,207	5,853	5,173	5,230	5,386
Mississippi	39,659	36,139	31,831	22,528	26,509	29,688	30,803
Missouri	7,273	6,992	4,019	4,780	2,543	2,547	2,379
Montana	885	670	W	W	553	578	636
Nebraska	1,100	1,389	318	463	150	101	87
Nevada	22,567	21,319	17,106	14,939	15,241	14,624	17,941
New Hampshire	4,147	2,854	3,009	3,609	749	1,145	2,196
New Jersey	39,592	30,423	24,014	23,970	24,419	21,012	23,777
New Mexico	9,227	7,704	6,387	6,358	6,092	5,806	6,840
New York	59,588	44,619	39,743	33,273	32,185	30,295	34,071
North Carolina	29,132	23,889	21,936	23,986	28,153	24,825	23,308
North Dakota	1,155	898	688	W	664	726	729
Ohio	22,704	17,398	11,353	16,437	18,110	19,207	19,773
Oklahoma	33,632	31,430	22,843	20,250	17,666	16,020	21,555
Oregon	10,464	7,950	3,346	3,089	7,255	9,330	10,340
Pennsylvania	57,177	47,121	35,691	33,444	36,647	33,433	35,235
Rhode Island	5,963	4,761	5,004	2,937	4,496	2,530	2,442
South Carolina	15,788	12,229	10,143	6,915	9,925	7,877	9,654
South Dakota	1,031	745	605	687	528	570	455
Tennessee	10,109	9,257	6,235	5,147	6,915	6,325	6,355
Texas	171,002	151,685	132,544	117,577	119,869	105,021	122,491
Utah	6,322	6,069	5,071	5,259	4,411	4,107	4,778
Vermont	1	--	2	*	1	--	*
Virginia	36,703	29,100	21,704	13,489	20,289	22,753	23,118
Washington	9,735	6,145	5,028	2,787	4,468	7,351	9,761
West Virginia	680	1,309	1,666	1,100	1,074	226	208
Wisconsin	14,065	11,524	9,688	9,693	13,267	10,324	10,235
Wyoming	W	W	W	W	W	W	W
Total	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
Alabama	397,961	33,249	31,034	31,534	33,356	37,742	39,373
Alaska	27,722	2,336	2,164	2,096	1,863	2,116	2,365
Arizona	249,477	17,515	17,672	24,561	31,091	38,244	33,842
Arkansas	108,755	6,754	5,434	4,130	8,552	12,523	12,805
California	816,787	63,111	59,484	84,917	89,295	91,733	86,319
Colorado	92,757	8,346	9,658	8,172	9,582	10,114	9,620
Connecticut	119,305	11,119	9,814	10,291	10,504	12,188	11,619
Delaware	44,725	2,190	2,330	3,068	4,903	5,119	5,710
District of Columbia	--	--	--	--	--	--	--
Florida	1,160,140	89,587	91,782	100,028	105,993	113,372	111,305
Georgia	354,090	25,887	27,527	29,598	30,621	35,927	39,940
Hawaii	--	--	--	--	--	--	--
Idaho	27,790	2,840	2,240	2,500	2,930	3,645	3,230
Illinois	83,570	7,753	7,008	6,560	8,788	7,957	11,120
Indiana	127,365	13,305	11,439	8,711	7,942	10,138	10,486
Iowa	17,518	1,623	530	918	1,750	2,364	3,063
Kansas	16,614	804	W	W	1,662	2,353	3,425
Kentucky	52,015	3,312	5,312	6,074	4,867	4,798	6,310
Louisiana	342,742	31,279	29,353	29,252	27,504	33,927	36,977
Maine	17,447	1,427	1,813	2,483	1,538	1,839	1,132
Maryland	39,632	2,457	3,188	2,959	4,162	4,947	6,571
Massachusetts	156,492	9,618	8,375	13,391	16,586	23,001	22,583
Michigan	174,770	16,664	14,519	15,441	14,817	14,732	17,544
Minnesota	54,054	5,725	3,113	3,400	6,416	6,314	7,274
Mississippi	331,496	25,574	25,741	23,923	26,810	32,206	34,848
Missouri	40,109	2,899	2,409	1,850	3,641	5,682	6,523
Montana	7,847	777	666	714	770	803	918
Nebraska	4,634	137	160	W	505	890	1,257
Nevada	207,145	18,135	15,282	18,088	20,109	22,904	20,722
New Hampshire	42,673	2,706	3,795	3,375	3,922	4,622	4,211
New Jersey	290,843	23,354	24,504	24,677	29,675	29,355	30,618
New Mexico	77,947	6,933	5,581	6,330	6,895	8,798	8,114
New York	475,658	31,355	33,652	39,937	49,022	54,763	54,290
North Carolina	268,925	22,474	22,200	19,195	23,579	24,881	25,946
North Dakota	3,671	W	W	W	433	492	497
Ohio	210,460	17,199	15,918	13,838	17,928	19,618	20,417
Oklahoma	254,706	23,024	20,482	16,289	20,143	27,950	30,396
Oregon	113,988	11,609	11,382	10,746	11,754	11,616	12,013
Pennsylvania	439,248	35,621	36,071	38,145	39,738	47,480	47,934
Rhode Island	50,110	3,081	4,334	3,864	3,507	7,037	6,902
South Carolina	135,239	11,601	13,955	12,777	11,768	13,664	14,943
South Dakota	7,083	656	521	396	519	943	1,216
Tennessee	69,830	6,156	5,458	4,574	6,133	6,002	7,594
Texas	1,646,330	123,103	110,207	131,222	151,139	185,654	181,401
Utah	55,797	5,002	4,575	4,387	5,171	6,238	5,768
Vermont	19	1	1	*	1	*	*
Virginia	243,116	22,839	16,558	11,752	22,109	26,163	29,071
Washington	97,300	9,481	10,383	11,239	10,914	10,802	12,265
West Virginia	13,277	522	765	1,541	1,742	1,873	2,142
Wisconsin	101,211	9,879	7,700	7,455	9,104	8,982	11,015
Wyoming	706	W	W	W	W	W	W
Total	9,671,095	771,355	737,310	797,631	901,839	1,034,595	1,053,747

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					
	June	May	April	March	February	January
Alabama	36,860	32,480	24,780	30,436	31,501	35,616
Alaska	2,311	1,781	2,907	2,470	2,367	2,945
Arizona	30,537	13,238	13,368	9,409	8,635	11,365
Arkansas	9,865	7,343	8,745	10,498	12,257	9,850
California	74,951	51,799	52,877	53,804	46,614	61,882
Colorado	8,089	5,015	5,970	6,214	5,508	6,471
Connecticut	9,406	8,748	8,839	8,474	7,570	10,731
Delaware	4,509	4,886	5,269	2,110	1,594	3,037
District of Columbia	--	--	--	--	--	--
Florida	105,902	101,485	98,620	86,390	74,272	81,404
Georgia	33,576	27,974	22,117	25,712	25,962	29,248
Hawaii	--	--	--	--	--	--
Idaho	3,481	2,082	1,276	857	438	2,272
Illinois	7,075	4,727	5,221	5,789	5,612	5,960
Indiana	9,343	9,238	9,110	12,997	13,294	11,362
Iowa	1,746	875	728	1,257	1,309	1,354
Kansas	1,970	1,189	1,027	1,124	947	483
Kentucky	3,656	3,415	3,307	3,123	5,559	2,282
Louisiana	33,989	27,800	24,960	23,525	22,235	21,942
Maine	573	745	947	1,787	1,294	1,871
Maryland	4,315	4,383	2,652	1,497	1,389	1,114
Massachusetts	14,822	15,056	11,249	7,951	6,635	7,223
Michigan	14,362	12,526	10,626	14,651	14,668	14,221
Minnesota	4,664	2,150	4,395	4,687	3,496	2,419
Mississippi	32,210	26,239	20,086	26,796	30,519	26,543
Missouri	4,316	1,856	2,444	W	2,992	2,715
Montana	705	482	498	535	W	557
Nebraska	686	201	242	164	W	185
Nevada	21,244	15,320	15,970	13,336	13,116	12,919
New Hampshire	3,618	3,865	3,308	3,393	2,236	3,622
New Jersey	24,861	24,474	18,160	22,976	18,435	19,752
New Mexico	6,787	4,441	5,744	6,183	5,514	6,628
New York	40,290	38,846	29,269	39,410	29,469	35,355
North Carolina	26,406	23,825	19,201	19,153	20,073	21,994
North Dakota	W	W	W	W	W	W
Ohio	18,226	15,180	13,132	19,948	19,594	19,461
Oklahoma	22,126	17,107	16,903	18,885	20,710	20,692
Oregon	10,573	8,295	8,202	6,047	3,597	8,155
Pennsylvania	38,101	31,222	31,691	34,488	26,179	32,578
Rhode Island	6,135	5,728	2,475	3,176	1,716	2,157
South Carolina	14,514	9,903	9,540	8,308	7,075	7,192
South Dakota	769	572	332	W	495	516
Tennessee	7,026	6,508	4,485	4,226	6,914	4,753
Texas	147,288	124,315	118,966	128,933	115,697	128,404
Utah	5,443	4,572	3,905	3,298	3,411	4,026
Vermont	1	6	*	1	2	5
Virginia	26,215	22,115	12,719	18,261	17,633	17,681
Washington	9,569	6,016	4,616	4,762	2,245	5,010
West Virginia	1,614	1,213	806	362	436	260
Wisconsin	8,205	7,133	6,523	8,768	8,652	7,795
Wyoming	W	W	W	W	W	W
Total	893,343	738,628	668,471	709,358	650,586	714,235

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

-- Not applicable.

^w Withheld.

* Volume is less than 500,000 cubic feet.

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

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

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

(million cubic feet)

State	2017	2016	2015	2017			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	NA	268,567	272,247	NA	NA	52,906	43,619
Alaska	27,395	26,400	33,566	3,067	3,982	6,472	5,812
Arizona	NA	127,339	99,359	24,832	20,864	16,204	NA
Arkansas	NA	122,360	135,733	NA	21,276	23,810	21,156
California	NA	847,268	877,579	141,868	135,817	157,123	170,805
Colorado	166,904	176,768	161,278	23,162	27,329	31,022	34,511
Connecticut	109,440	117,101	123,761	13,465	16,456	25,893	24,268
Delaware	NA	42,907	46,540	7,589	NA	9,106	7,634
District of Columbia	NA	15,894	19,399	1,489	1,648	3,399	NA
Florida	514,346	546,404	521,137	122,289	106,928	105,105	86,496
Georgia	279,022	310,631	304,979	50,142	R44,678	59,047	57,526
Hawaii	1,324	1,253	1,249	248	255	272	258
Idaho	50,231	45,094	39,403	6,109	7,591	9,303	11,052
Illinois	469,868	506,929	541,883	57,446	61,335	109,986	100,895
Indiana	315,304	345,678	364,335	43,709	49,618	73,088	65,027
Iowa	161,819	147,592	153,027	24,533	27,228	35,484	33,642
Kansas	99,027	101,066	102,368	13,408	16,126	20,384	19,879
Kentucky	107,224	124,054	127,134	16,354	17,125	24,827	21,245
Louisiana	NA	601,241	549,930	116,560	112,878	117,010	104,051
Maine	19,680	NA	24,288	2,954	R3,381	R4,657	R4,052
Maryland	101,098	105,701	116,718	11,714	12,392	26,338	22,861
Massachusetts	220,019	201,142	223,527	29,046	34,617	55,671	46,990
Michigan	413,891	451,430	465,660	51,149	57,349	102,444	88,673
Minnesota	217,190	226,497	220,008	26,334	32,938	48,357	47,443
Mississippi	197,058	NA	207,003	42,007	37,080	43,671	32,364
Missouri	NA	131,669	145,946	14,104	15,228	26,050	NA
Montana	33,891	NA	31,764	3,457	4,970	6,750	7,985
Nebraska	75,242	67,679	74,693	10,747	R12,101	R15,552	R16,913
Nevada	116,771	124,601	111,529	20,292	18,900	22,094	24,438
New Hampshire	22,254	NA	32,143	3,232	5,401	4,997	3,946
New Jersey	NA	355,401	400,694	40,760	NA	NA	68,971
New Mexico	NA	69,484	66,481	10,087	NA	NA	12,949
New York	604,372	617,197	707,405	74,700	85,957	153,544	133,369
North Carolina	207,881	238,011	225,524	34,307	31,613	48,230	42,694
North Dakota	30,237	28,144	28,658	4,035	5,098	6,774	6,212
Ohio	416,107	456,831	530,475	53,380	56,126	99,941	91,084
Oklahoma	202,177	231,347	236,512	38,418	38,643	38,200	36,636
Oregon	95,598	89,784	90,032	10,755	13,597	17,179	21,656
Pennsylvania	453,367	484,618	525,437	61,652	65,688	108,145	99,578
Rhode Island	NA	38,322	40,964	5,661	6,183	9,227	NA
South Carolina	110,984	110,888	108,572	22,097	20,893	23,586	21,020
South Dakota	34,478	34,438	34,132	5,121	R5,710	R7,289	7,106
Tennessee	138,938	150,242	158,655	18,709	21,707	32,851	29,326
Texas	NA	1,465,048	1,514,914	264,341	251,473	265,896	NA
Utah	86,858	96,940	82,895	10,473	13,640	14,579	18,241
Vermont	6,147	NA	6,473	686	864	1,582	1,400
Virginia	NA	223,326	225,849	37,448	35,461	NA	47,151
Washington	145,771	125,971	115,661	17,687	23,237	29,136	31,854
West Virginia	39,910	43,628	46,252	5,215	5,719	R9,794	R8,592
Wisconsin	221,744	242,246	242,744	27,330	32,246	52,859	47,044
Wyoming	38,545	34,587	32,925	5,991	6,586	R8,002	R8,190
Total	10,568,770	11,216,443	11,549,438	1,701,859	R1,733,599	2,311,895	2,139,544

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
	January	Total	December	November	October	September	August	
Alabama	51,000	657,303	55,914	49,901	49,258	56,287	59,879	
Alaska	8,062	60,244	7,467	6,557	5,385	4,082	3,638	
Arizona	22,454	343,385	20,288	18,949	26,102	33,314	40,449	
Arkansas	23,446	R288,700	26,948	R23,620	R19,371	R18,578	25,978	
California	NA	2,106,564	215,161	175,318	167,442	171,064	189,906	
Colorado	50,880	353,314	48,034	29,688	20,757	17,089	19,711	
Connecticut	29,358	246,701	27,640	21,659	16,623	15,057	17,380	
Delaware	8,616	NA	8,753	NA	9,278	8,687	10,410	
District of Columbia	4,180	27,910	4,226	2,580	1,303	945	981	
Florida	93,529	R1,361,266	R93,107	R91,749	R110,771	R122,173	R133,917	
Georgia	67,628	702,401	66,916	51,691	46,436	49,191	59,172	
Hawaii	291	3,043	263	253	250	264	264	
Idaho	16,176	100,808	14,611	8,280	7,184	6,826	7,159	
Illinois	140,205	NA	146,835	80,513	59,358	47,517	53,068	
Indiana	83,862	R729,893	R90,565	R59,710	R44,629	R44,115	R48,776	
Iowa	40,932	317,537	41,599	27,618	22,144	18,464	20,861	
Kansas	29,231	R222,692	30,489	17,770	13,190	13,061	16,569	
Kentucky	27,673	262,674	32,047	21,229	16,771	15,634	18,108	
Louisiana	NA	1,434,219	120,640	111,838	111,469	115,667	122,101	
Maine	R4,636	NA	R4,054	3,479	R4,077	3,713	R5,424	
Maryland	27,793	NA	NA	15,278	11,332	11,015	15,749	
Massachusetts	53,695	420,697	50,370	33,129	25,385	23,440	30,203	
Michigan	114,276	879,667	114,061	73,164	53,835	42,511	52,993	
Minnesota	62,118	440,943	55,804	35,116	26,351	19,788	27,749	
Mississippi	41,936	NA	44,377	34,286	37,342	46,592	48,964	
Missouri	NA	NA	41,967	20,497	NA	13,253	15,112	
Montana	10,729	NA	R10,554	R7,082	NA	NA	NA	
Nebraska	R19,929	153,475	19,947	13,346	10,525	9,311	11,550	
Nevada	31,047	NA	NA	22,726	20,892	NA	NA	
New Hampshire	4,679	NA	5,754	5,411	3,599	4,901	5,482	
New Jersey	NA	768,264	88,622	55,717	50,275	47,803	59,913	
New Mexico	18,078	157,692	17,744	13,198	11,353	10,648	11,701	
New York	156,802	1,293,686	150,602	102,906	79,105	76,142	96,682	
North Carolina	51,038	521,061	51,943	44,497	32,404	35,849	42,365	
North Dakota	8,117	62,865	R7,719	5,600	5,321	4,264	3,838	
Ohio	115,576	899,290	113,891	77,396	54,902	47,406	51,975	
Oklahoma	50,280	557,708	52,893	43,295	37,357	42,447	48,076	
Oregon	32,412	226,798	31,279	18,846	17,048	19,511	19,664	
Pennsylvania	118,303	1,082,675	122,572	94,415	74,697	71,389	82,582	
Rhode Island	9,000	84,118	8,604	6,423	5,182	5,796	6,769	
South Carolina	23,389	272,222	23,544	26,486	20,423	22,445	23,406	
South Dakota	9,253	74,430	8,903	6,342	5,157	4,683	5,311	
Tennessee	36,346	325,351	41,691	23,825	20,575	21,445	23,062	
Texas	NA	NA	297,242	261,348	268,677	299,478	NA	
Utah	29,925	199,436	27,791	17,077	12,104	10,568	11,175	
Vermont	1,614	NA	1,587	1,082	819	588	567	
Virginia	54,852	526,788	50,183	42,281	31,822	39,911	49,592	
Washington	43,856	292,561	40,019	24,006	21,532	22,220	22,236	
West Virginia	R10,590	89,981	10,939	8,144	7,053	5,358	4,721	
Wisconsin	62,266	476,137	61,446	36,591	26,868	23,355	30,213	
Wyoming	9,776	R77,563	R9,641	R7,178	R6,127	R4,912	R5,234	
Total	2,681,873	R25,258,666	R2,671,638	R1,987,366	R1,748,581	R1,774,786	R2,027,464	

See footnotes at end of table.

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

(million cubic feet) – continued

State	2016						
	July	June	May	April	March	February	January
Alabama	61,004	56,493	52,226	45,585	51,989	54,364	64,403
Alaska	3,397	3,318	3,707	4,257	5,533	5,874	7,029
Arizona	40,916	36,028	25,972	25,247	21,868	23,678	30,575
Arkansas	25,370	26,475	22,346	21,580	26,559	23,250	28,625
California	176,235	164,171	146,108	145,566	161,492	172,051	222,051
Colorado	21,121	20,147	23,617	30,317	35,484	38,677	48,673
Connecticut	16,791	14,450	17,313	21,402	21,860	27,237	29,289
Delaware	10,827	9,101	7,766	8,823	8,771	8,440	9,107
District of Columbia	999	983	1,430	2,074	2,466	4,776	5,148
Florida	135,935	127,210	121,375	115,719	107,360	96,555	105,395
Georgia	60,816	57,546	53,234	52,837	57,089	67,585	79,886
Hawaii	255	240	243	256	248	247	259
Idaho	6,264	5,389	5,617	5,420	9,198	11,078	13,782
Illinois	NA	NA	54,757	75,944	97,925	127,574	150,729
Indiana	48,979	47,441	53,002	55,507	65,979	78,955	92,236
Iowa	20,333	18,925	21,026	22,823	28,782	34,429	40,532
Kansas	15,890	14,657	14,163	14,361	18,452	23,541	30,549
Kentucky	18,006	16,824	17,231	18,454	24,366	28,846	35,157
Louisiana	129,827	121,437	121,883	114,988	119,996	114,357	130,017
Maine	5,106	NA	NA	NA	NA	NA	NA
Maryland	15,193	9,761	12,492	15,646	19,664	26,802	31,097
Massachusetts	30,090	26,938	29,865	34,421	39,445	46,939	50,473
Michigan	47,473	44,200	55,803	80,347	88,209	108,657	118,415
Minnesota	25,754	23,884	27,611	36,552	43,798	54,853	63,683
Mississippi	50,747	NA	43,626	NA	38,789	45,335	49,951
Missouri	15,665	15,487	14,738	18,145	22,356	33,852	42,578
Montana	NA	NA	4,414	NA	NA	7,307	9,292
Nebraska	10,915	10,202	9,477	10,910	12,626	15,590	19,075
Nevada	NA	26,088	22,788	21,360	23,087	25,038	32,328
New Hampshire	5,053	NA	NA	NA	NA	NA	5,947
New Jersey	59,911	50,622	48,734	58,979	68,583	82,039	97,065
New Mexico	12,382	11,183	10,541	11,400	13,166	15,153	19,224
New York	92,474	78,577	84,948	102,021	118,106	146,947	165,176
North Carolina	40,568	35,425	34,982	39,758	46,879	55,929	60,463
North Dakota	3,825	4,155	4,296	4,417	5,628	6,186	7,617
Ohio	50,536	46,353	50,174	73,089	85,084	114,448	134,036
Oklahoma	52,144	50,148	44,126	41,309	42,348	44,391	59,174
Oregon	16,529	14,136	10,499	11,420	19,367	21,953	26,546
Pennsylvania	80,657	71,743	68,263	79,252	92,430	114,634	130,040
Rhode Island	7,030	5,993	7,025	6,203	8,516	7,975	8,602
South Carolina	24,089	20,940	19,652	17,586	21,550	23,829	28,273
South Dakota	4,930	4,666	5,098	6,141	6,691	7,692	8,816
Tennessee	22,501	22,010	20,020	20,972	27,247	37,176	44,827
Texas	NA	NA	281,584	271,540	291,489	287,939	332,495
Utah	12,116	11,664	13,165	16,067	17,998	22,060	27,650
Vermont	576	566	652	NA	1,101	1,459	1,695
Virginia	48,172	41,502	35,734	31,264	42,267	53,524	60,537
Washington	19,919	16,658	16,826	16,382	25,498	29,243	38,022
West Virginia	4,939	5,199	5,815	6,848	8,721	10,183	12,061
Wisconsin	28,478	26,941	29,338	39,801	49,645	57,375	66,088
Wyoming	5,082	4,802	5,766	6,095	7,065	7,291	8,370
Total	2,005,487	1,826,900	1,789,486	1,908,792	2,166,499	2,462,722	2,888,944

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
Alabama	642,961	54,905	50,654	49,410	50,245	54,988	57,075
Alaska	69,642	7,912	6,892	5,288	4,451	3,768	3,915
Arizona	337,347	30,546	25,902	29,635	35,525	42,566	38,370
Arkansas	274,727	23,235	19,028	14,993	18,137	22,054	22,228
California	2,247,961	234,012	194,884	186,153	188,710	198,391	192,293
Colorado	348,183	49,108	40,211	22,665	19,007	18,985	18,838
Connecticut	248,366	22,980	19,695	17,358	15,681	17,414	16,767
Delaware	100,842	7,513	6,900	6,916	7,972	8,362	8,947
District of Columbia	31,502	3,143	2,631	1,872	1,147	1,108	1,051
Florida	1,334,385	105,479	105,863	113,989	118,347	125,914	124,432
Georgia	684,971	56,568	55,916	52,489	49,214	54,775	58,873
Hawaii	2,922	250	227	239	232	239	242
Idaho	99,811	13,907	11,409	7,662	6,873	7,042	6,456
Illinois	966,018	107,693	84,914	57,574	43,492	42,342	46,090
Indiana	710,564	71,835	59,417	47,975	39,803	42,445	43,269
Iowa	308,324	32,862	25,435	21,652	18,212	18,908	19,651
Kansas	216,014	25,014	18,027	13,375	12,842	15,507	16,099
Kentucky	252,877	22,855	22,310	18,353	15,435	15,694	16,842
Louisiana	1,357,572	123,012	115,968	112,509	108,810	117,522	117,081
Maine	51,191	4,275	4,385	4,894	3,611	3,870	3,189
Maryland	207,716	18,805	16,625	12,834	9,828	10,463	12,316
Massachusetts	433,907	36,397	31,129	29,657	25,693	31,624	31,449
Michigan	826,917	85,543	70,111	54,392	37,523	37,227	39,331
Minnesota	422,112	51,546	35,699	27,050	22,875	22,081	22,421
Mississippi	496,388	40,342	39,644	37,359	38,613	43,495	46,155
Missouri	262,812	29,364	21,008	13,199	11,960	13,981	14,752
Montana	67,159	9,224	7,727	4,718	3,600	3,660	3,282
Nebraska	154,420	17,040	13,653	10,155	8,664	9,740	11,073
Nevada	292,860	31,083	24,211	23,070	24,570	27,370	24,970
New Hampshire	68,609	5,390	6,040	4,641	4,926	5,573	5,203
New Jersey	746,777	63,365	56,408	46,188	45,403	45,176	47,812
New Mexico	154,224	18,841	14,104	10,676	10,137	12,154	11,297
New York	1,326,168	111,673	99,041	86,215	79,161	85,884	84,705
North Carolina	493,801	42,774	42,625	35,105	35,545	36,713	37,315
North Dakota	58,201	6,170	5,478	4,432	3,657	3,529	2,971
Ohio	938,930	87,546	73,198	55,280	45,637	48,179	49,618
Oklahoma	541,224	55,974	47,190	36,076	38,004	44,220	45,431
Oregon	232,158	28,039	25,331	18,420	18,235	17,542	17,829
Pennsylvania	1,068,687	95,829	86,544	78,652	67,108	73,702	74,612
Rhode Island	90,891	6,915	7,674	6,249	4,840	8,375	8,259
South Carolina	270,601	24,390	25,792	22,864	20,308	22,307	23,409
South Dakota	73,362	8,090	6,624	4,860	4,497	5,007	5,209
Tennessee	305,092	28,917	24,198	18,784	18,247	17,841	19,261
Texas	3,639,217	315,333	272,469	280,076	294,187	335,841	332,168
Utah	187,605	27,899	20,811	10,851	10,250	11,742	11,351
Vermont	11,814	1,173	1,028	876	566	544	587
Virginia	484,734	44,396	36,526	27,460	34,375	37,663	40,618
Washington	296,358	37,216	34,685	25,461	22,122	20,118	21,456
West Virginia	86,593	7,416	6,876	6,220	4,954	4,941	5,157
Wisconsin	455,096	49,589	38,889	29,319	23,616	23,421	25,140
Wyoming	72,916	9,340	7,384	5,006	4,538	4,349	4,606
Total	25,053,530	2,392,722	2,069,390	1,811,143	1,731,389	1,876,359	1,891,471

See footnotes at end of table.

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

(million cubic feet) – continued

State	2015					
	June	May	April	March	February	January
Alabama	53,437	50,554	42,142	52,437	61,057	66,057
Alaska	3,850	4,209	6,324	7,352	7,022	8,659
Arizona	35,446	19,112	19,839	17,432	17,874	25,102
Arkansas	19,318	17,712	20,592	28,589	35,096	33,744
California	175,938	163,283	165,093	168,376	165,790	215,036
Colorado	18,092	21,914	24,475	31,756	37,147	45,986
Connecticut	14,710	15,290	20,133	27,483	28,851	32,004
Delaware	7,692	8,416	9,831	8,862	8,719	10,713
District of Columbia	1,150	1,257	1,949	4,306	5,602	6,285
Florida	119,224	115,263	113,144	101,972	91,489	99,269
Georgia	52,157	48,145	43,166	57,023	76,097	80,548
Hawaii	244	228	254	252	237	278
Idaho	7,059	6,443	6,583	6,971	7,480	11,926
Illinois	42,029	46,909	67,759	112,117	158,479	156,620
Indiana	41,485	45,278	51,908	77,530	95,657	93,962
Iowa	18,577	19,581	21,913	30,517	40,554	40,462
Kansas	12,782	12,215	13,388	19,942	27,342	29,481
Kentucky	14,254	14,566	17,009	25,949	36,526	33,084
Louisiana	112,740	111,422	104,903	107,129	108,232	118,244
Maine	2,680	2,947	3,956	5,781	5,330	6,273
Maryland	10,128	10,703	13,739	25,620	33,717	32,940
Massachusetts	24,430	26,713	33,166	48,863	57,377	57,408
Michigan	37,128	41,913	60,901	98,836	133,963	130,049
Minnesota	20,431	21,217	32,533	46,520	60,554	59,185
Mississippi	43,778	37,675	31,901	41,991	48,766	46,670
Missouri	12,603	11,404	18,106	33,925	42,379	40,131
Montana	3,185	3,979	4,952	6,256	7,389	9,188
Nebraska	9,402	9,805	10,966	13,910	19,668	20,344
Nevada	26,056	20,870	22,395	21,001	21,764	25,499
New Hampshire	4,694	5,020	5,348	6,982	6,674	8,119
New Jersey	41,731	44,949	59,327	92,127	102,840	101,451
New Mexico	10,533	8,933	10,762	13,356	15,127	18,302
New York	72,085	78,894	95,756	165,819	181,039	185,897
North Carolina	38,201	35,765	33,993	41,817	56,931	57,019
North Dakota	3,307	4,064	4,298	5,925	7,170	7,202
Ohio	48,997	51,954	71,113	120,132	144,972	142,304
Oklahoma	37,815	36,946	37,119	46,576	56,199	59,672
Oregon	16,730	15,976	18,469	16,821	15,236	23,530
Pennsylvania	66,802	63,923	79,513	117,862	131,484	132,655
Rhode Island	7,616	7,400	5,628	9,189	9,181	9,567
South Carolina	22,960	18,946	19,258	21,226	23,878	25,264
South Dakota	4,942	5,102	5,493	6,329	8,394	8,814
Tennessee	19,189	19,168	19,714	29,720	47,266	42,787
Texas	294,230	276,196	272,306	316,962	299,718	349,733
Utah	11,805	12,967	14,563	14,589	17,343	23,432
Vermont	569	500	895	1,493	1,748	1,836
Virginia	37,847	34,819	29,214	47,088	58,044	56,684
Washington	19,639	18,108	21,000	23,696	21,931	30,926
West Virginia	4,777	4,894	6,427	10,765	12,588	11,578
Wisconsin	22,377	24,878	33,060	50,438	68,283	66,086
Wyoming	4,767	5,383	5,822	6,510	6,824	8,387
Total	1,731,619	1,683,806	1,832,097	2,394,119	2,733,026	2,906,390

^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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	3.93	3.09	4.04	3.92	3.65	3.58	4.23
Alaska	NA	6.64	6.90	6.02	6.96	7.42	7.54
Arizona	4.42	3.86	4.63	3.75	3.98	4.95	4.71
Arkansas	4.54	3.90	4.66	5.73	5.83	4.35	4.37
California	3.53	2.52	3.29	3.38	3.31	3.15	3.59
Colorado	3.84	3.16	4.15	3.98	3.66	3.65	3.91
Connecticut	4.39	3.33	4.14	5.85	4.97	3.53	4.45
Delaware	NA	4.34	5.30	7.65	NA	4.26	4.62
District of Columbia	--	--	--	--	--	--	--
Florida	NA	3.72	5.17	NA	NA	NA	NA
Georgia	4.28	3.28	3.80	4.22	4.29	3.72	4.43
Hawaii	16.28	12.99	18.43	16.46	16.05	17.38	16.20
Idaho	NA	3.33	4.31	2.85	NA	3.31	3.14
Illinois	3.87	3.10	3.90	3.48	4.15	4.06	3.56
Indiana	3.88	3.30	4.13	4.28	4.25	3.72	3.89
Iowa	NA	3.63	4.51	NA	NA	4.08	4.16
Kansas	4.34	3.59	4.60	5.86	4.91	3.99	4.08
Kentucky	NA	3.19	4.19	NA	4.46	NA	4.19
Louisiana	NA	3.34	3.64	3.08	3.12	3.31	3.66
Maine	6.47	7.02	9.95	5.00	5.36	5.53	7.58
Maryland	4.64	3.68	4.90	6.23	6.06	4.05	4.69
Massachusetts	4.69	4.00	5.83	6.38	5.46	4.06	4.53
Michigan	3.68	3.63	4.42	3.43	3.78	3.48	3.71
Minnesota	4.03	3.46	4.67	3.80	3.51	3.77	4.23
Mississippi	4.41	NA	4.24	4.59	3.97	3.88	4.20
Missouri	NA	3.69	4.55	5.86	5.15	NA	4.37
Montana	3.39	3.03	4.24	3.61	3.47	3.54	3.56
Nebraska	NA	3.68	4.68	NA	NA	NA	NA
Nevada	4.31	3.34	4.44	4.13	4.40	4.01	4.34
New Hampshire	NA	5.50	8.57	5.50	4.64	4.37	NA
New Jersey	4.43	3.89	5.05	4.56	4.26	4.32	4.48
New Mexico	NA	2.66	3.58	3.43	3.31	NA	3.83
New York	3.90	2.94	3.85	5.61	4.20	3.33	3.72
North Carolina	3.92	3.03	3.90	5.28	4.91	3.36	3.72
North Dakota	4.31	3.56	4.68	3.99	4.11	3.88	4.53
Ohio	NA	3.31	4.70	NA	NA	NA	4.41
Oklahoma	4.45	3.65	4.61	5.44	4.64	4.22	4.26
Oregon	NA	3.90	4.81	4.56	3.90	NA	NA
Pennsylvania	4.29	3.33	4.31	5.41	5.12	4.06	4.20
Rhode Island	2.20	2.20	3.52	2.36	2.30	2.20	2.18
South Carolina	NA	3.31	4.11	4.38	4.49	3.96	4.40
South Dakota	4.13	3.29	4.15	3.77	3.90	3.79	4.38
Tennessee	4.15	3.13	4.25	4.18	4.36	3.91	4.16
Texas	4.96	3.62	4.35	4.57	4.43	4.85	5.14
Utah	5.47	5.60	6.34	4.79	4.78	5.94	5.97
Vermont	NA	5.71	6.80	4.69	5.26	4.98	5.69
Virginia	NA	3.56	4.79	NA	5.59	3.98	4.07
Washington	NA	NA	4.77	4.26	3.64	NA	NA
West Virginia	3.71	3.26	4.02	4.87	4.26	3.32	3.68
Wisconsin	4.22	3.67	4.79	4.24	4.08	3.82	4.39
Wyoming	NA	3.47	4.87	NA	3.71	3.88	4.23
Total	4.11	3.42	4.40	4.38	4.18	3.84	4.10

See footnotes at end of table.

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

State	2017						2016
	January	Total	December	November	October	September	August
Alabama	4.13	3.44	3.78	3.85	4.20	3.89	3.89
Alaska	NA	6.75	7.29	6.82	7.10	6.32	6.19
Arizona	4.37	4.07	4.74	4.91	4.09	3.92	3.86
Arkansas	4.17	4.29	3.83	4.37	6.02	5.69	6.22
California	3.87	2.96	3.64	3.30	3.51	3.56	3.29
Colorado	3.92	3.56	3.61	3.88	4.73	5.27	4.81
Connecticut	4.45	3.57	3.90	3.31	3.13	4.29	4.20
Delaware	4.34	4.91	4.28	4.17	6.15	8.20	8.50
District of Columbia	--	--	--	--	--	--	--
Florida	NA	NA	NA	NA	NA	4.13	3.87
Georgia	4.69	3.67	4.08	4.09	4.34	4.24	4.01
Hawaii	15.34	13.81	14.75	12.93	15.07	14.06	13.33
Idaho	3.17	NA	3.16	3.29	3.18	3.29	2.69
Illinois	3.95	NA	3.63	3.38	4.25	5.19	4.66
Indiana	3.81	3.60	3.81	3.60	4.24	4.77	4.89
Iowa	4.55	NA	4.07	4.16	4.34	4.76	NA
Kansas	4.22	4.08	3.74	4.40	6.60	6.84	5.55
Kentucky	NA	3.35	3.77	3.53	3.63	3.45	3.26
Louisiana	NA	NA	NA	4.23	3.98	4.07	3.85
Maine	7.36	6.41	6.22	6.25	4.24	5.33	4.67
Maryland	4.43	NA	3.96	4.20	5.42	NA	NA
Massachusetts	4.66	4.49	4.61	4.16	5.36	8.26	6.95
Michigan	3.84	NA	3.54	3.65	3.53	NA	3.08
Minnesota	4.30	3.71	4.05	4.17	3.71	4.38	4.28
Mississippi	5.02	NA	4.77	4.14	4.17	3.90	3.79
Missouri	4.21	4.22	3.96	4.31	6.21	6.64	6.96
Montana	3.14	3.04	2.87	3.17	3.33	3.45	3.34
Nebraska	4.36	NA	3.67	3.99	NA	3.65	3.90
Nevada	4.46	NA	NA	3.70	4.10	4.45	4.76
New Hampshire	NA	NA	5.32	4.60	3.80	5.34	NA
New Jersey	4.52	3.93	4.14	3.94	3.75	4.02	3.75
New Mexico	3.93	NA	NA	3.22	3.62	3.47	3.39
New York	3.94	3.57	3.85	3.40	3.57	6.47	6.94
North Carolina	3.87	3.44	3.72	3.33	4.43	4.76	4.83
North Dakota	4.58	3.88	4.10	4.64	4.51	4.52	4.19
Ohio	4.02	3.27	3.62	3.43	3.09	2.38	2.53
Oklahoma	4.46	3.98	4.04	4.00	5.03	5.29	5.39
Oregon	3.59	4.15	3.77	4.03	4.40	5.96	5.33
Pennsylvania	4.08	3.73	3.72	4.13	3.98	5.92	5.57
Rhode Island	2.12	2.12	1.99	1.96	1.96	2.01	2.03
South Carolina	NA	3.64	4.44	3.66	4.01	3.94	3.75
South Dakota	4.35	3.65	3.92	4.25	4.20	4.73	4.82
Tennessee	4.24	3.42	3.73	3.90	4.26	3.99	3.64
Texas	5.28	4.09	5.36	5.10	4.93	4.16	4.00
Utah	5.37	5.15	5.35	5.00	4.82	3.86	3.24
Vermont	NA	5.13	5.11	4.74	4.08	4.21	4.22
Virginia	3.90	4.00	3.74	3.87	5.37	6.50	7.04
Washington	NA	NA	3.58	4.14	NA	NA	4.35
West Virginia	3.63	3.47	3.30	3.45	3.73	5.14	5.08
Wisconsin	4.46	3.91	3.88	4.24	4.36	5.18	4.80
Wyoming	4.27	3.53	4.00	3.48	3.76	3.46	3.38
Total	4.22	3.73	3.96	3.90	4.19	4.61	4.37

See footnotes at end of table.

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

State	2016						
	July	June	May	April	March	February	January
Alabama	3.89	3.34	2.99	2.90	3.00	3.18	3.22
Alaska	6.12	6.03	6.21	6.37	6.45	6.85	6.93
Arizona	4.05	3.31	2.77	3.03	4.85	4.60	3.64
Arkansas	6.68	6.16	4.79	4.60	4.53	3.76	3.43
California	3.34	2.52	2.49	2.25	2.30	2.65	2.72
Colorado	5.16	4.22	3.25	2.78	3.43	3.23	3.09
Connecticut	4.69	4.58	3.85	3.20	3.09	3.45	3.27
Delaware	8.77	8.53	6.24	5.03	4.70	3.84	3.81
District of Columbia	--	--	--	--	--	--	--
Florida	3.69	3.46	3.50	3.37	3.83	3.95	3.86
Georgia	4.32	3.44	3.37	3.19	3.21	3.25	3.35
Hawaii	13.54	17.26	16.20	14.19	13.19	10.52	10.93
Idaho	NA	NA	3.22	2.79	3.67	3.47	3.20
Illinois	4.25	NA	3.10	3.39	3.33	2.79	3.12
Indiana	5.21	4.35	3.25	2.91	3.45	3.25	3.42
Iowa	4.64	4.16	3.43	3.41	3.83	3.62	3.65
Kansas	5.33	5.64	4.57	4.41	3.56	3.41	3.38
Kentucky	3.47	2.85	2.93	2.97	3.26	3.26	3.24
Louisiana	4.00	3.16	2.99	3.03	3.32	3.49	3.51
Maine	5.29	5.37	3.81	3.58	7.53	8.85	7.79
Maryland	8.80	7.14	4.57	3.89	4.34	3.52	3.30
Massachusetts	7.49	5.90	4.86	3.94	3.40	4.30	3.93
Michigan	3.21	2.74	2.87	2.91	3.90	3.84	3.80
Minnesota	3.88	3.49	2.98	2.94	3.77	3.65	3.43
Mississippi	4.04	3.46	3.19	3.36	NA	3.85	3.28
Missouri	7.08	5.58	5.21	4.50	3.86	3.45	3.34
Montana	3.12	2.50	2.28	2.42	3.03	3.43	3.23
Nebraska	4.44	3.17	3.00	3.14	4.16	3.80	3.65
Nevada	4.50	3.74	3.19	3.16	3.18	3.56	3.38
New Hampshire	6.79	5.79	3.87	2.72	3.57	7.03	7.02
New Jersey	3.92	3.91	3.80	3.81	3.98	3.94	3.84
New Mexico	3.50	2.89	2.43	2.23	2.75	2.80	2.72
New York	6.69	5.52	4.26	3.03	2.84	2.92	2.62
North Carolina	5.28	4.38	3.71	3.21	3.10	2.87	2.98
North Dakota	4.36	2.83	2.71	2.97	3.65	3.84	3.76
Ohio	2.69	2.46	2.61	2.41	3.09	3.55	3.60
Oklahoma	5.51	4.77	3.83	3.73	3.58	3.69	3.62
Oregon	5.85	5.18	4.65	4.15	3.63	3.96	3.71
Pennsylvania	6.55	6.36	4.35	3.28	3.98	3.18	3.04
Rhode Island	2.06	2.05	2.09	2.14	2.22	2.24	2.23
South Carolina	3.87	3.43	3.08	3.37	3.41	3.27	3.42
South Dakota	4.47	3.06	2.28	2.47	3.40	3.49	3.65
Tennessee	3.88	3.19	3.02	2.97	3.09	3.14	3.21
Texas	3.94	3.41	3.20	3.20	3.60	3.87	3.79
Utah	3.37	3.58	4.60	4.63	6.06	6.05	5.61
Vermont	4.01	4.24	4.96	4.85	6.93	5.98	5.52
Virginia	6.25	6.42	4.38	3.92	3.72	3.31	3.40
Washington	4.56	3.57	3.85	3.43	NA	3.63	3.21
West Virginia	5.59	4.62	3.43	3.22	3.27	3.38	3.14
Wisconsin	5.08	4.12	3.67	3.16	3.73	3.92	3.67
Wyoming	3.19	2.56	3.07	3.10	3.47	3.75	3.62
Total	4.45	3.99	3.46	3.22	3.49	3.49	3.40

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
Alabama	3.91	3.27	3.61	3.83	3.81	4.04	3.94
Alaska	6.57	6.53	6.56	6.11	5.90	5.80	5.60
Arizona	4.38	3.65	4.42	4.25	4.48	4.53	4.55
Arkansas	4.77	4.00	4.16	5.63	5.58	6.92	7.11
California	3.27	3.02	3.08	3.32	3.42	3.55	3.56
Colorado	3.98	3.07	3.24	4.60	5.60	5.59	5.33
Connecticut	4.07	3.80	3.36	3.58	4.59	4.45	4.58
Delaware	5.87	4.98	5.14	6.54	10.35	10.03	10.56
District of Columbia	--	--	--	--	--	--	--
Florida	4.75	4.65	3.92	4.17	4.53	4.44	4.87
Georgia	3.83	3.51	3.37	3.80	4.14	4.16	4.16
Hawaii	18.11	14.81	14.92	14.59	15.38	17.72	22.97
Idaho	3.95	3.34	3.52	3.75	3.67	4.50	4.65
Illinois	3.82	3.43	3.17	3.61	4.91	4.75	5.12
Indiana	4.03	3.52	3.62	3.68	4.58	4.82	4.57
Iowa	4.29	3.79	3.81	3.58	4.62	4.61	4.54
Kansas	4.59	3.55	3.94	5.53	6.43	5.66	5.39
Kentucky	3.96	3.85	3.21	3.41	3.34	3.41	3.44
Louisiana	3.32	2.95	2.62	2.95	3.08	3.28	3.48
Maine	8.76	8.01	7.52	4.38	5.52	5.39	9.76
Maryland	5.01	5.19	4.26	4.07	7.19	8.89	7.53
Massachusetts	5.72	5.42	4.42	4.62	7.59	7.15	7.30
Michigan	4.23	3.95	3.87	3.65	3.60	3.82	3.82
Minnesota	4.39	3.65	4.06	3.51	4.49	4.52	4.68
Mississippi	4.05	4.29	3.02	3.68	3.64	3.82	3.81
Missouri	4.64	3.48	3.86	5.33	6.73	7.26	7.35
Montana	3.71	3.25	2.87	3.28	3.10	3.36	3.43
Nebraska	4.32	3.23	3.83	4.04	4.68	4.16	4.11
Nevada	4.06	3.15	3.57	4.40	4.38	4.64	4.53
New Hampshire	7.64	6.40	4.34	3.59	5.90	7.17	7.87
New Jersey	4.87	4.27	4.30	4.37	5.00	4.84	4.70
New Mexico	3.32	2.76	2.80	3.34	3.57	3.74	3.64
New York	4.15	3.56	3.54	4.57	7.12	7.07	7.01
North Carolina	3.81	3.10	2.79	3.88	4.43	4.68	4.64
North Dakota	4.46	3.94	4.16	4.58	5.00	4.32	3.56
Ohio	4.49	3.75	3.45	3.02	2.34	3.04	3.24
Oklahoma	4.59	3.86	4.22	5.28	5.45	5.43	5.17
Oregon	4.65	3.72	3.92	5.15	5.19	5.84	6.30
Pennsylvania	4.38	4.10	4.24	3.79	6.30	6.22	5.85
Rhode Island	3.14	2.21	2.22	2.24	2.31	2.41	2.52
South Carolina	3.90	3.48	3.20	3.56	4.01	3.96	3.97
South Dakota	4.16	4.01	4.19	4.60	4.72	4.44	4.11
Tennessee	4.06	3.45	3.49	3.80	4.03	4.00	4.12
Texas	4.19	4.37	3.90	4.17	3.73	3.86	3.94
Utah	5.70	5.96	4.84	5.49	4.18	3.96	4.34
Vermont	6.33	5.93	5.08	4.59	5.96	6.34	6.39
Virginia	4.87	4.36	4.07	4.75	5.61	7.36	7.00
Washington	4.42	3.46	3.51	4.25	5.08	5.84	5.29
West Virginia	4.00	3.63	3.57	3.60	4.77	4.72	5.37
Wisconsin	4.71	3.96	4.21	4.25	5.61	5.95	5.68
Wyoming	4.36	3.89	3.88	4.09	3.89	3.50	3.06
Total	4.26	3.75	3.68	4.00	4.56	4.59	4.65

See footnotes at end of table.

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

State	2015					
	June	May	April	March	February	January
Alabama	3.96	3.84	4.08	4.12	3.89	4.18
Alaska	5.61	5.80	6.22	6.86	7.21	7.43
Arizona	4.29	3.81	3.95	5.45	5.08	4.52
Arkansas	6.56	5.52	6.31	4.87	4.27	4.48
California	3.42	2.96	3.13	3.27	3.30	3.58
Colorado	5.20	4.22	4.11	4.45	4.24	3.92
Connecticut	4.58	4.49	3.28	3.89	4.50	4.26
Delaware	10.05	9.71	6.31	4.89	5.29	4.62
District of Columbia	--	--	--	--	--	--
Florida	5.12	3.85	5.24	6.30	5.25	5.33
Georgia	4.23	3.93	4.04	3.81	3.56	3.89
Hawaii	25.54	22.92	19.95	18.30	17.90	13.58
Idaho	3.99	3.81	3.42	4.86	4.66	4.27
Illinois	4.09	3.95	3.54	3.81	4.06	3.87
Indiana	4.61	4.26	3.55	4.23	4.09	4.23
Iowa	3.63	4.32	4.12	4.69	4.26	4.81
Kansas	6.04	5.72	3.64	4.35	4.25	5.27
Kentucky	3.97	3.78	3.75	4.24	4.04	4.48
Louisiana	3.22	3.04	3.08	3.69	3.86	4.15
Maine	7.37	7.25	6.30	9.28	11.79	10.83
Maryland	6.67	5.94	4.14	4.40	5.60	4.61
Massachusetts	6.25	6.74	3.93	4.96	7.43	5.44
Michigan	3.92	3.71	3.84	4.38	4.55	4.63
Minnesota	4.29	3.66	3.83	5.36	4.69	4.72
Mississippi	3.83	3.64	3.46	6.03	3.63	4.37
Missouri	6.97	6.51	5.47	4.50	4.24	4.41
Montana	3.24	3.56	3.44	4.54	4.34	4.53
Nebraska	3.65	4.71	3.93	4.87	4.29	5.19
Nevada	4.15	3.89	3.95	4.70	4.79	4.49
New Hampshire	9.74	5.52	4.46	6.46	10.71	10.03
New Jersey	4.78	4.73	4.48	5.09	5.64	4.66
New Mexico	3.55	3.17	3.56	3.77	3.56	3.62
New York	6.26	5.72	2.94	3.19	4.43	3.84
North Carolina	4.62	4.46	4.05	3.71	3.87	3.90
North Dakota	3.59	3.46	4.08	4.85	4.77	5.03
Ohio	3.98	4.21	4.51	4.79	4.78	4.83
Oklahoma	4.82	4.23	4.34	4.46	4.44	5.21
Oregon	5.36	5.37	4.68	4.83	4.84	4.67
Pennsylvania	5.60	6.65	4.51	4.28	4.10	4.30
Rhode Island	2.66	2.83	3.09	3.59	3.63	3.61
South Carolina	4.07	4.09	4.11	4.11	4.02	4.23
South Dakota	3.81	3.01	3.21	4.02	4.46	4.57
Tennessee	4.14	4.60	3.95	4.32	4.17	4.30
Texas	3.71	3.58	3.74	4.17	4.31	4.93
Utah	3.99	5.69	5.99	6.40	6.81	6.35
Vermont	7.22	8.35	6.55	6.62	6.84	6.59
Virginia	6.62	6.69	4.52	4.01	5.33	4.56
Washington	5.24	5.10	4.19	4.96	4.89	4.79
West Virginia	4.49	4.06	3.62	3.99	4.04	4.13
Wisconsin	5.79	4.47	4.10	4.98	4.76	5.01
Wyoming	3.55	4.32	4.31	4.67	4.95	5.52
Total	4.44	4.24	3.93	4.36	4.57	4.48

-- 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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	14.92	12.40	12.89	20.85	16.46	14.71	14.63
Alaska	9.78	9.22	9.79	11.02	10.24	9.59	9.63
Arizona	NA	14.27	17.13	18.01	16.66	15.18	NA
Arkansas	12.11	10.06	10.79	15.90	14.24	12.72	12.00
California	12.85	11.19	11.41	13.04	12.58	12.48	12.73
Colorado	7.58	6.52	8.24	9.18	8.04	7.93	7.45
Connecticut	13.13	11.59	11.64	16.63	13.82	12.31	13.19
Delaware	11.61	10.48	11.70	15.97	12.03	11.55	11.25
District of Columbia	12.20	10.29	11.56	16.99	12.85	12.22	11.43
Florida	19.55	17.39	17.35	22.59	20.13	19.77	18.71
Georgia	15.13	12.36	12.37	23.49	18.10	14.49	14.36
Hawaii	38.04	36.07	39.72	39.21	38.06	38.69	37.91
Idaho	7.59	8.38	8.84	8.28	7.98	8.04	7.50
Illinois	NA	6.72	7.37	NA	10.13	7.88	8.32
Indiana	8.59	6.91	8.63	11.62	11.61	7.70	8.59
Iowa	8.15	NA	7.69	10.89	8.99	7.75	8.02
Kansas	NA	8.53	9.69	NA	13.06	10.18	10.00
Kentucky	10.91	8.57	9.77	18.15	13.76	10.43	10.92
Louisiana	12.63	9.94	9.61	15.30	13.94	13.06	12.64
Maine	13.52	13.05	17.49	14.97	12.87	13.03	13.70
Maryland	NA	10.40	11.04	NA	NA	11.15	12.59
Massachusetts	13.17	12.00	13.31	13.73	13.31	13.00	13.21
Michigan	8.04	7.69	8.62	9.83	9.16	7.72	7.92
Minnesota	8.16	7.39	8.77	9.75	8.48	7.67	8.11
Mississippi	11.29	9.08	8.64	15.39	13.24	10.90	10.94
Missouri	9.92	9.11	10.14	15.45	12.33	10.48	9.23
Montana	7.21	6.89	8.27	8.07	7.50	7.37	7.28
Nebraska	8.04	6.91	8.31	10.38	8.72	7.88	7.94
Nevada	7.70	10.05	11.64	10.63	8.99	7.76	7.10
New Hampshire	13.12	12.83	15.98	14.31	12.22	12.75	13.60
New Jersey	8.52	7.57	7.76	9.68	8.33	8.67	8.23
New Mexico	8.14	6.84	8.01	10.17	8.85	7.91	7.94
New York	10.91	9.90	10.13	14.34	11.01	10.72	10.96
North Carolina	NA	10.07	10.14	19.51	NA	NA	13.88
North Dakota	NA	6.16	7.76	NA	7.61	6.48	6.81
Ohio	NA	7.21	8.23	NA	10.32	7.78	NA
Oklahoma	9.35	8.11	8.61	15.90	13.16	10.28	8.77
Oregon	10.26	12.20	12.18	12.41	11.15	10.83	10.04
Pennsylvania	NA	9.19	10.54	13.22	11.71	10.35	10.35
Rhode Island	13.00	12.90	13.41	15.11	13.18	12.79	12.72
South Carolina	14.40	10.95	10.59	22.19	17.57	11.90	15.19
South Dakota	7.56	6.74	7.94	9.13	7.79	7.52	7.87
Tennessee	9.62	7.90	8.70	14.26	11.05	9.69	9.36
Texas	11.68	9.15	8.88	17.34	15.82	12.36	10.76
Utah	8.74	8.88	9.85	8.36	9.15	9.18	8.79
Vermont	12.78	13.04	13.55	14.90	12.83	12.42	12.37
Virginia	NA	9.77	10.53	NA	14.09	NA	12.27
Washington	10.26	9.68	12.03	12.05	10.68	10.26	10.06
West Virginia	8.69	8.72	10.06	11.59	9.57	8.48	8.41
Wisconsin	NA	7.49	8.25	NA	9.04	7.50	7.57
Wyoming	8.34	7.74	9.02	10.06	9.31	8.50	8.08
Total	10.23	8.95	9.65	13.21	11.38	9.91	10.05

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
	January	Total	December	November	October	September	August	
Alabama	13.43	14.05	14.27	19.09	21.22	21.13	21.26	
Alaska	9.46	9.81	9.51	9.73	10.07	11.36	12.66	
Arizona	12.57	15.19	12.63	15.60	18.61	20.69	22.29	
Arkansas	10.56	11.35	10.83	17.74	18.42	19.07	18.86	
California	13.17	11.91	13.16	12.40	13.39	13.34	12.90	
Colorado	6.87	7.38	6.48	7.42	9.75	12.12	14.28	
Connecticut	12.39	12.91	11.73	13.28	16.63	22.18	24.07	
Delaware	10.85	11.88	11.53	13.74	19.78	22.48	24.20	
District of Columbia	11.44	11.38	11.10	13.87	13.09	19.45	20.11	
Florida	18.03	R19.84	R18.62	R22.96	R25.86	R25.11	R26.13	
Georgia	12.82	NA	12.31	16.53	25.30	NA	25.99	
Hawaii	36.66	36.40	37.48	34.09	37.47	35.35	34.86	
Idaho	7.20	8.11	7.19	7.34	8.21	9.46	10.13	
Illinois	7.51	7.88	6.75	8.71	12.17	16.73	17.33	
Indiana	7.63	7.88	R6.38	R8.44	R11.87	R17.57	18.38	
Iowa	7.66	NA	6.93	10.22	NA	16.31	17.63	
Kansas	8.64	9.85	8.61	9.38	18.32	19.93	21.71	
Kentucky	9.27	10.12	8.63	11.42	19.41	22.87	24.40	
Louisiana	11.19	11.56	11.23	15.24	16.56	16.17	16.97	
Maine	13.71	13.84	12.89	13.32	15.77	21.35	R22.82	
Maryland	11.65	11.71	11.00	13.43	17.66	20.58	21.29	
Massachusetts	13.00	12.57	13.27	13.38	13.82	15.10	15.35	
Michigan	7.54	8.17	7.32	7.95	9.34	12.80	14.59	
Minnesota	8.10	7.98	7.28	7.95	9.47	13.15	13.32	
Mississippi	10.27	10.23	9.01	13.66	16.14	15.44	16.26	
Missouri	8.27	10.93	9.07	15.24	21.68	23.99	26.38	
Montana	6.73	7.26	6.72	7.35	7.91	10.04	11.09	
Nebraska	7.39	7.98	7.03	10.04	13.26	15.67	16.07	
Nevada	6.96	10.23	7.57	9.70	11.49	13.81	14.42	
New Hampshire	13.26	NA	NA	14.97	19.46	24.66	24.61	
New Jersey	8.42	8.32	8.50	9.11	10.38	11.90	12.27	
New Mexico	7.66	8.04	7.60	10.06	12.57	14.34	15.18	
New York	9.80	10.83	9.59	10.91	14.83	17.32	17.86	
North Carolina	11.81	NA	10.62	11.90	18.56	NA	NA	
North Dakota	5.94	7.21	5.69	6.97	8.50	16.30	20.07	
Ohio	7.19	9.13	7.91	10.14	18.80	26.09	27.29	
Oklahoma	7.12	10.58	8.38	18.87	24.83	26.11	29.01	
Oregon	9.30	NA	9.58	NA	12.12	14.69	17.04	
Pennsylvania	NA	10.13	9.16	10.56	13.51	18.78	19.38	
Rhode Island	12.58	13.80	13.03	14.27	17.92	20.26	20.37	
South Carolina	13.63	12.68	11.67	13.61	22.25	25.36	25.66	
South Dakota	6.94	7.62	6.76	9.62	10.49	13.40	14.20	
Tennessee	8.62	NA	8.75	12.14	NA	17.53	18.91	
Texas	9.67	NA	10.73	18.47	20.14	21.01	22.75	
Utah	8.40	9.12	8.99	9.90	9.23	10.12	10.75	
Vermont	12.69	14.15	13.13	14.31	18.75	22.57	23.02	
Virginia	10.60	11.10	10.42	12.99	16.38	21.29	21.37	
Washington	9.77	NA	9.69	10.65	11.11	13.41	15.55	
West Virginia	8.21	9.26	8.22	8.92	11.65	16.69	18.41	
Wisconsin	8.06	8.08	7.41	8.26	9.20	14.30	15.05	
Wyoming	7.50	NA	7.31	8.76	10.24	15.66	16.52	
Total	9.38	R10.06	9.07	R10.77	R13.76	16.82	17.65	

See footnotes at end of table.

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

State	2016						
	July	June	May	April	March	February	January
Alabama	20.57	19.30	17.16	14.45	12.15	11.26	12.14
Alaska	12.98	12.14	10.41	9.63	9.09	8.99	8.87
Arizona	21.49	19.48	17.44	16.54	18.06	13.83	11.99
Arkansas	17.01	15.57	13.88	11.01	10.44	9.16	9.65
California	11.97	11.37	11.52	10.50	10.60	11.53	11.46
Colorado	14.02	12.51	7.09	6.87	6.71	6.48	6.10
Connecticut	21.75	19.19	15.03	12.87	11.74	10.67	10.34
Delaware	21.34	17.54	13.44	11.47	10.24	9.71	10.09
District of Columbia	18.38	15.35	12.56	10.55	10.72	9.53	9.96
Florida	R25.52	R22.76	R21.17	R19.78	R17.43	R14.92	16.92
Georgia	25.97	24.64	20.07	16.27	12.90	10.90	10.74
Hawaii	34.76	42.55	39.90	36.85	36.99	33.65	33.36
Idaho	9.85	9.77	9.18	8.91	8.76	8.20	7.97
Illinois	16.50	12.62	10.49	7.53	7.08	6.30	5.84
Indiana	R18.80	R16.40	R10.04	7.73	R8.03	R6.38	R5.99
Iowa	16.05	13.28	8.74	NA	7.33	6.52	6.52
Kansas	20.10	18.90	13.40	11.06	9.41	7.89	7.26
Kentucky	23.01	20.11	14.80	10.30	8.73	7.60	7.83
Louisiana	16.27	14.16	13.40	11.33	10.51	8.70	9.43
Maine	21.90	18.01	13.48	12.57	12.99	13.08	R13.21
Maryland	20.13	16.04	12.63	11.48	11.02	9.44	9.93
Massachusetts	14.55	12.84	12.46	12.02	11.70	12.08	11.99
Michigan	13.45	12.96	9.61	7.81	7.79	7.58	7.26
Minnesota	13.45	11.67	9.83	7.59	7.63	7.10	7.02
Mississippi	15.93	14.15	13.16	10.94	9.17	8.09	8.57
Missouri	24.82	19.70	15.58	11.31	9.30	8.12	7.98
Montana	10.30	8.34	7.18	6.75	7.00	6.88	6.80
Nebraska	14.98	12.33	9.22	7.60	6.99	6.49	6.43
Nevada	14.63	12.99	11.92	11.25	10.84	9.75	9.12
New Hampshire	23.02	18.19	13.97	12.22	11.76	12.70	14.05
New Jersey	11.49	10.78	9.49	8.99	8.24	6.86	6.55
New Mexico	13.85	11.38	8.73	7.48	7.06	6.44	6.35
New York	16.65	14.69	10.98	9.87	9.63	9.43	10.28
North Carolina	22.54	19.64	16.44	13.13	12.63	9.07	8.77
North Dakota	20.52	19.22	9.53	6.91	6.31	5.61	5.50
Ohio	25.47	19.24	11.70	8.02	7.14	6.43	6.46
Oklahoma	24.73	19.82	16.74	10.97	8.93	6.82	6.54
Oregon	NA	16.31	15.69	14.17	12.40	12.29	10.63
Pennsylvania	18.24	15.54	11.32	9.86	9.46	8.60	8.70
Rhode Island	19.20	16.89	14.49	13.42	12.64	12.35	12.73
South Carolina	26.97	24.19	18.70	15.24	13.53	9.79	9.07
South Dakota	13.53	11.38	7.76	6.89	7.16	6.61	6.31
Tennessee	17.06	14.76	12.45	9.50	7.86	7.25	7.38
Texas	19.33	NA	16.33	11.63	10.02	7.79	7.77
Utah	10.67	9.81	8.89	8.96	9.50	8.79	8.58
Vermont	21.11	18.40	14.26	13.30	12.66	12.53	13.24
Virginia	19.95	15.54	12.71	10.65	10.21	8.78	9.47
Washington	NA	NA	9.90	9.45	9.96	10.22	9.18
West Virginia	17.03	15.58	11.73	9.36	8.82	8.31	8.31
Wisconsin	14.32	10.57	8.64	7.58	7.40	7.25	7.46
Wyoming	NA	11.00	8.49	8.23	7.60	7.61	7.32
Total	R16.59	14.49	11.63	R9.66	9.21	8.39	R8.30

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
Alabama	14.13	14.48	17.89	19.36	20.73	20.86	20.60
Alaska	9.64	8.76	8.86	9.40	9.81	11.41	11.66
Arizona	17.04	12.75	14.57	20.78	23.02	24.02	23.60
Arkansas	11.58	10.48	13.97	17.62	18.98	19.43	17.76
California	11.39	11.38	10.31	11.54	11.92	11.86	11.69
Colorado	8.27	6.48	6.92	9.31	13.17	13.68	14.38
Connecticut	12.50	11.84	12.53	15.33	21.54	19.36	18.26
Delaware	12.62	11.09	14.03	18.50	23.22	23.75	21.80
District of Columbia	11.98	10.25	12.06	15.52	17.40	17.38	16.93
Florida	19.55	19.43	21.87	23.71	24.76	24.94	24.67
Georgia	14.62	13.97	14.73	19.81	24.96	24.03	24.71
Hawaii	40.08	38.28	38.53	37.46	36.41	37.50	45.21
Idaho	8.59	7.87	7.71	8.90	9.53	10.93	10.69
Illinois	7.97	6.30	7.13	9.70	15.39	16.41	15.13
Indiana	8.92	6.93	7.34	9.29	15.25	17.74	17.99
Iowa	8.51	7.31	8.43	13.18	16.44	17.39	15.71
Kansas	10.17	7.79	7.97	14.33	19.63	20.74	19.33
Kentucky	10.87	9.35	10.99	16.11	21.00	22.21	23.11
Louisiana	10.91	10.90	13.82	15.07	15.86	16.50	15.46
Maine	16.79	13.17	12.75	15.03	21.77	22.85	20.77
Maryland	12.03	13.09	12.69	13.48	19.36	19.04	18.40
Massachusetts	13.02	12.69	11.18	10.75	13.26	13.82	13.29
Michigan	8.81	7.57	7.91	8.96	13.26	13.57	13.69
Minnesota	8.79	7.12	7.67	9.27	12.68	12.93	13.22
Mississippi	9.70	9.70	12.11	13.94	15.36	15.79	14.84
Missouri	11.60	9.51	13.97	20.52	23.90	25.52	24.26
Montana	8.26	6.85	7.39	9.07	11.11	11.86	11.75
Nebraska	8.86	6.83	9.43	13.81	15.57	15.66	14.76
Nevada	11.82	8.96	10.80	14.95	16.14	16.41	16.72
New Hampshire	16.18	15.06	14.11	17.88	22.91	22.68	19.23
New Jersey	8.32	7.80	9.03	10.24	12.30	12.42	11.96
New Mexico	8.63	6.76	8.27	13.08	14.85	14.92	14.55
New York	11.20	11.43	12.26	14.24	17.50	17.30	17.09
North Carolina	11.57	12.87	12.15	14.61	21.77	21.94	21.14
North Dakota	8.15	5.60	6.56	9.57	16.93	19.37	21.03
Ohio	9.51	7.40	9.68	15.37	24.33	25.48	23.85
Oklahoma	10.24	7.34	14.37	23.34	25.17	26.60	23.07
Oregon	12.43	10.84	12.69	13.54	14.45	17.09	16.20
Pennsylvania	11.04	9.82	10.53	12.23	18.26	18.56	17.76
Rhode Island	14.24	13.49	15.48	19.04	21.00	20.94	19.74
South Carolina	12.65	15.36	14.91	16.37	23.95	22.77	24.65
South Dakota	8.30	6.63	8.04	10.43	14.36	14.99	14.53
Tennessee	9.62	9.22	11.74	14.40	17.34	19.64	17.59
Texas	10.62	9.31	15.49	19.18	20.90	21.08	18.26
Utah	9.72	8.75	9.22	10.85	10.89	10.84	10.69
Vermont	14.56	13.84	14.89	18.41	23.16	23.04	21.69
Virginia	11.64	12.14	11.77	15.88	19.54	21.20	20.34
Washington	11.80	9.74	9.87	13.00	14.48	17.17	16.98
West Virginia	10.48	8.86	9.62	12.22	17.56	19.08	19.83
Wisconsin	8.54	7.46	7.98	8.51	12.94	14.20	13.41
Wyoming	9.33	7.05	8.44	12.66	15.66	16.07	15.70
Total	10.38	9.27	10.02	12.60	16.40	16.89	16.28

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					
	June	May	April	March	February	January
Alabama	19.61	17.89	15.37	12.15	12.21	12.80
Alaska	11.29	10.87	10.03	9.68	9.64	9.51
Arizona	21.54	19.21	18.94	18.94	18.88	14.36
Arkansas	16.16	13.91	11.66	9.99	10.90	10.65
California	11.73	11.35	10.93	11.29	11.53	11.68
Colorado	11.28	9.25	8.07	8.50	7.97	8.05
Connecticut	17.41	14.40	12.54	11.00	11.10	11.67
Delaware	20.74	16.05	12.74	11.27	11.33	11.23
District of Columbia	16.63	14.34	12.16	11.94	10.50	11.34
Florida	22.91	21.53	19.02	16.40	16.15	16.83
Georgia	23.63	19.84	15.91	12.21	11.05	11.66
Hawaii	48.71	45.31	40.85	39.78	38.87	35.07
Idaho	10.08	9.21	8.86	9.12	8.79	8.64
Illinois	13.63	11.47	8.42	7.45	6.46	7.30
Indiana	17.88	13.44	10.66	9.24	7.55	8.13
Iowa	13.02	10.07	8.50	7.75	7.14	7.52
Kansas	17.65	14.49	13.64	9.74	8.59	9.20
Kentucky	21.52	17.11	12.94	8.96	8.92	9.48
Louisiana	14.98	13.55	11.26	8.83	9.21	9.34
Maine	17.13	16.58	17.33	17.52	17.45	17.91
Maryland	18.32	16.78	11.48	10.71	10.10	11.18
Massachusetts	12.18	12.74	12.71	12.44	13.59	14.51
Michigan	12.54	10.54	8.89	8.37	8.39	8.61
Minnesota	13.46	10.59	8.85	9.45	8.23	8.56
Mississippi	14.40	12.92	10.53	8.23	8.25	8.14
Missouri	20.79	17.02	12.66	9.26	9.63	9.45
Montana	10.06	8.48	8.25	8.06	8.21	8.39
Nebraska	12.18	10.32	9.15	7.91	7.89	8.31
Nevada	15.51	14.34	13.30	11.84	11.40	10.42
New Hampshire	16.48	15.12	15.10	15.33	16.20	17.43
New Jersey	11.35	9.56	7.33	7.49	7.82	7.81
New Mexico	11.79	9.92	8.92	7.56	7.37	8.05
New York	16.26	12.68	10.19	9.34	9.79	10.51
North Carolina	20.97	17.62	14.25	10.08	8.93	10.05
North Dakota	17.34	10.19	8.59	7.52	7.02	7.85
Ohio	19.97	13.50	9.15	7.76	7.54	7.91
Oklahoma	19.17	15.76	12.21	7.52	8.07	7.83
Oregon	15.54	14.00	11.78	13.23	12.37	11.18
Pennsylvania	15.77	13.63	10.81	10.03	10.31	10.53
Rhode Island	17.85	15.79	13.88	13.07	12.93	13.23
South Carolina	24.58	21.23	16.92	10.67	8.83	10.20
South Dakota	12.35	9.18	8.46	8.04	7.58	7.71
Tennessee	16.13	14.17	10.41	7.57	8.47	8.72
Texas	16.56	15.76	11.59	7.93	7.94	8.63
Utah	9.90	9.54	9.98	9.99	10.40	9.44
Vermont	19.41	15.81	13.73	13.09	13.00	13.79
Virginia	19.54	15.69	11.62	10.17	9.31	10.81
Washington	16.72	14.22	12.22	12.05	11.82	11.45
West Virginia	17.05	12.88	10.93	9.90	9.79	9.80
Wisconsin	13.24	9.38	6.93	8.38	8.11	8.60
Wyoming	11.34	9.65	9.49	8.78	8.98	8.77
Total	15.07	12.73	10.44	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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	11.87	10.14	11.00	13.00	12.57	11.72	11.61
Alaska	8.74	7.89	8.29	8.83	8.70	8.74	8.69
Arizona	8.56	9.17	11.10	8.85	8.99	8.84	8.23
Arkansas	8.24	7.10	8.63	8.96	8.73	8.42	8.29
California	9.28	7.90	8.28	8.71	8.84	9.50	9.37
Colorado	6.87	5.94	7.72	7.27	6.97	7.09	6.91
Connecticut	NA	NA	8.23	NA	9.26	8.34	9.53
Delaware	10.00	8.92	10.36	11.18	10.15	10.00	9.85
District of Columbia	11.11	9.80	11.30	12.15	11.60	11.58	11.16
Florida	11.50	10.47	10.87	11.63	11.48	11.56	11.67
Georgia	8.61	7.11	8.32	9.65	9.11	8.44	8.68
Hawaii	29.11	26.63	31.23	29.16	29.15	29.62	29.34
Idaho	6.65	7.34	7.81	7.11	7.15	6.93	6.60
Illinois	7.66	6.24	6.84	10.04	9.17	7.27	7.62
Indiana	7.59	5.92	7.76	9.04	9.60	6.87	7.72
Iowa	6.54	5.50	6.38	7.82	6.88	6.15	6.44
Kansas	NA	7.56	8.80	NA	10.23	9.36	9.21
Kentucky	8.79	6.98	8.47	11.35	10.36	8.67	8.86
Louisiana	NA	7.69	8.27	8.95	8.80	NA	NA
Maine	11.12	10.82	15.78	10.93	10.69	10.82	11.34
Maryland	NA	8.37	9.57	NA	NA	9.29	10.05
Massachusetts	NA	9.33	11.53	NA	NA	NA	9.92
Michigan	6.89	6.60	7.52	7.88	7.28	6.77	6.83
Minnesota	NA	6.23	7.68	7.03	NA	6.36	6.93
Mississippi	9.23	7.81	7.88	9.29	9.01	8.98	9.41
Missouri	7.77	7.30	8.78	9.00	8.35	8.12	7.53
Montana	7.10	6.81	8.27	7.81	7.26	7.20	7.23
Nebraska	6.36	5.32	6.84	6.61	5.95	6.31	6.62
Nevada	5.21	7.37	8.94	5.85	5.38	5.14	5.02
New Hampshire	11.02	10.48	13.99	11.49	10.15	10.63	11.68
New Jersey	8.98	7.48	8.55	8.84	7.83	8.95	8.97
New Mexico	6.21	5.22	6.23	6.46	5.99	6.00	6.41
New York	NA	6.39	7.20	6.81	NA	7.04	7.43
North Carolina	NA	7.29	7.80	10.62	10.11	NA	9.97
North Dakota	5.89	5.12	6.93	6.51	5.66	5.66	6.30
Ohio	NA	5.34	6.36	6.87	6.26	NA	6.18
Oklahoma	7.36	6.27	7.28	11.55	9.68	8.01	6.96
Oregon	8.71	9.80	10.39	9.51	9.18	9.03	8.57
Pennsylvania	NA	7.63	9.37	10.22	NA	9.18	8.62
Rhode Island	10.50	10.48	11.39	12.02	10.63	10.42	10.45
South Carolina	9.60	8.04	8.34	8.72	9.46	8.66	10.25
South Dakota	6.02	5.22	6.43	6.31	5.87	5.81	6.48
Tennessee	8.63	7.11	8.22	9.20	8.83	8.57	8.62
Texas	NA	6.08	6.77	NA	7.76	7.32	7.65
Utah	7.37	7.50	8.33	6.51	7.47	7.71	7.48
Vermont	7.58	6.76	8.90	6.94	7.57	7.35	7.61
Virginia	NA	6.96	8.08	NA	8.08	NA	8.81
Washington	NA	7.91	10.19	NA	8.20	8.14	8.15
West Virginia	7.39	7.52	9.06	8.49	7.91	7.26	7.20
Wisconsin	6.67	6.25	7.06	6.06	6.93	6.37	6.47
Wyoming	6.88	6.38	7.76	7.13	7.10	6.96	6.97
Total	7.82	6.90	7.96	8.31	8.04	7.68	7.89

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
	January	Total	December	November	October	September	August
Alabama	11.38	NA	11.25	NA	11.95	11.82	11.88
Alaska	8.78	8.34	8.75	8.68	8.85	8.76	8.78
Arizona	8.19	8.80	8.00	8.19	8.49	8.61	8.62
Arkansas	7.74	NA	NA	NA	7.00	6.87	7.28
California	9.64	8.44	9.98	9.29	9.09	9.17	8.76
Colorado	6.56	6.44	6.19	6.63	8.03	8.45	9.30
Connecticut	8.62	NA	7.93	8.61	10.00	10.65	11.75
Delaware	9.68	9.58	9.88	10.37	11.42	11.86	12.11
District of Columbia	9.92	10.29	10.26	12.08	9.76	11.67	12.32
Florida	11.19	10.58	11.04	10.77	10.79	10.72	10.49
Georgia	8.10	7.66	7.32	8.50	8.99	9.22	9.27
Hawaii	28.33	27.02	27.61	25.04	27.71	27.32	25.57
Idaho	6.34	7.10	6.48	6.48	6.97	7.67	7.62
Illinois	6.93	NA	6.44	8.08	9.03	12.30	NA
Indiana	7.07	6.51	6.70	7.34	7.29	6.55	10.00
Iowa	6.45	NA	5.95	6.47	6.85	NA	8.13
Kansas	8.41	8.36	7.60	8.48	11.26	13.52	13.72
Kentucky	7.76	7.85	7.45	8.89	10.76	11.27	11.97
Louisiana	NA	NA	8.90	8.30	8.55	8.37	8.35
Maine	11.54	10.74	10.73	10.33	10.57	11.27	10.83
Maryland	9.62	9.06	8.96	10.21	11.04	11.95	11.65
Massachusetts	9.77	9.47	10.06	9.97	9.53	9.72	9.79
Michigan	6.62	6.86	6.57	6.92	7.56	9.00	9.22
Minnesota	7.08	6.42	6.29	6.26	6.71	7.86	7.77
Mississippi	9.34	7.85	8.15	8.62	8.15	7.60	7.53
Missouri	7.24	7.91	7.72	9.22	9.61	9.89	10.48
Montana	6.70	7.09	6.69	7.25	7.62	8.95	9.08
Nebraska	6.30	5.47	5.81	5.89	5.79	5.95	6.02
Nevada	5.09	6.84	5.37	5.78	6.24	6.87	6.89
New Hampshire	11.26	11.36	11.91	11.98	13.58	16.21	16.40
New Jersey	9.58	7.94	8.61	9.24	8.79	8.74	8.72
New Mexico	6.18	5.76	6.13	6.68	6.94	7.44	7.25
New York	6.78	6.09	6.43	5.62	5.57	5.27	5.26
North Carolina	8.79	NA	8.38	8.07	7.98	8.21	NA
North Dakota	5.73	5.45	5.43	5.60	5.82	6.74	7.30
Ohio	6.07	5.79	5.73	6.07	7.23	7.30	8.13
Oklahoma	6.01	NA	6.88	NA	14.50	14.80	15.07
Oregon	8.22	NA	8.16	9.57	9.57	10.28	10.75
Pennsylvania	8.35	8.09	7.88	8.24	9.09	10.94	10.76
Rhode Island	10.02	11.16	10.27	11.48	14.53	16.35	15.78
South Carolina	10.47	8.45	9.51	9.05	9.06	8.59	8.52
South Dakota	5.82	5.65	5.73	5.98	6.31	7.17	7.91
Tennessee	8.40	NA	8.21	9.04	NA	9.07	9.49
Texas	7.54	6.87	7.58	8.22	8.49	8.13	8.24
Utah	7.29	7.43	7.65	7.50	6.71	6.84	7.10
Vermont	8.07	6.63	7.48	7.07	6.19	6.33	5.59
Virginia	7.87	7.38	7.75	7.73	7.89	8.84	8.57
Washington	7.96	NA	7.87	8.31	8.49	9.14	9.54
West Virginia	7.15	7.76	7.11	7.52	8.73	10.01	10.29
Wisconsin	7.05	6.29	6.50	6.48	5.87	6.56	6.55
Wyoming	6.56	6.52	6.51	6.74	6.83	7.11	6.80
Total	7.58	7.25	7.25	7.61	7.94	8.28	8.26

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						
	July	June	May	April	March	February	January
Alabama	11.74	11.31	10.62	10.63	10.20	9.85	9.97
Alaska	9.07	8.41	8.00	7.90	7.87	7.87	7.88
Arizona	8.72	8.70	8.78	9.07	9.74	9.32	8.94
Arkansas	7.02	7.35	7.23	6.97	7.23	6.86	7.28
California	8.08	7.44	7.35	7.19	8.18	8.49	8.04
Colorado	8.39	7.65	6.16	5.98	5.94	5.97	5.81
Connecticut	11.16	11.82	9.87	9.37	7.93	7.29	NA
Delaware	11.51	10.87	10.03	9.33	8.79	8.58	8.75
District of Columbia	12.12	11.31	10.24	10.24	10.21	9.30	9.50
Florida	10.46	10.40	10.18	10.27	10.48	10.61	10.69
Georgia	9.05	8.44	8.11	7.89	7.33	6.98	6.58
Hawaii	25.24	32.82	30.04	28.09	27.26	23.66	24.18
Idaho	7.70	7.79	7.69	7.80	7.59	7.20	7.08
Illinois	12.25	10.92	9.47	6.99	6.50	5.88	5.54
Indiana	¤11.05	¤9.49	¤7.16	6.37	¤6.99	¤5.63	¤5.30
Iowa	7.81	7.11	5.81	5.54	5.80	5.40	5.35
Kansas	12.86	12.41	10.11	8.34	8.91	7.22	6.72
Kentucky	10.99	10.72	9.14	7.96	7.07	6.36	6.70
Louisiana	NA	7.26	7.33	7.19	7.77	7.77	8.10
Maine	¤10.47	10.04	9.54	¤10.25	10.79	¤11.19	¤11.38
Maryland	11.50	9.79	8.22	8.32	8.82	8.14	8.37
Massachusetts	9.34	8.48	9.21	9.44	9.13	9.49	9.33
Michigan	8.71	8.17	7.04	6.54	6.54	6.61	6.54
Minnesota	7.88	7.06	6.38	6.15	6.41	6.23	6.13
Mississippi	7.65	7.08	7.56	8.09	7.87	7.59	7.98
Missouri	10.40	9.41	8.56	7.93	7.23	6.96	7.10
Montana	8.59	7.74	6.93	6.64	6.92	6.87	6.76
Nebraska	5.32	5.08	4.73	5.00	5.39	5.47	5.42
Nevada	7.22	7.08	7.04	7.25	7.59	7.48	7.34
New Hampshire	16.48	13.28	11.22	9.96	9.55	10.47	11.46
New Jersey	8.68	7.72	7.15	6.80	7.50	7.66	7.76
New Mexico	6.94	6.14	5.54	5.33	5.27	5.09	5.14
New York	5.54	5.72	5.98	6.16	6.39	6.58	6.57
North Carolina	8.79	8.54	8.04	7.80	8.56	6.99	6.65
North Dakota	7.01	6.69	5.37	4.62	5.21	5.16	5.20
Ohio	7.56	6.96	6.10	5.30	5.27	5.25	5.26
Oklahoma	13.84	12.34	10.91	8.11	6.80	5.43	5.40
Oregon	NA	12.20	11.58	10.38	9.85	9.72	9.05
Pennsylvania	10.99	10.56	8.85	8.06	8.16	7.31	7.14
Rhode Island	15.43	13.58	11.51	10.79	10.32	10.10	10.37
South Carolina	8.74	7.82	7.46	8.39	8.39	8.16	7.83
South Dakota	6.99	6.47	5.08	4.95	5.60	5.36	5.05
Tennessee	8.68	8.28	7.60	7.59	7.01	7.00	6.93
Texas	7.50	6.70	6.82	6.12	6.15	5.83	5.97
Utah	7.01	6.84	6.77	7.37	7.91	7.55	7.46
Vermont	5.87	5.51	6.71	6.60	6.22	7.00	7.14
Virginia	8.36	7.81	7.32	6.72	7.26	6.75	6.95
Washington	9.06	NA	7.82	7.73	7.76	8.35	7.82
West Virginia	10.16	9.80	9.02	7.90	7.58	7.31	7.25
Wisconsin	6.98	5.26	5.30	5.98	6.07	6.36	6.59
Wyoming	6.90	7.01	6.45	6.46	6.47	6.35	6.26
Total	8.10	7.70	7.29	6.95	7.05	6.83	¤6.72

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
Alabama	11.26	10.95	11.70	11.63	11.99	12.17	12.13
Alaska	8.01	7.54	7.59	7.86	7.21	8.23	8.14
Arizona	10.53	9.17	9.36	10.15	10.41	10.53	10.68
Arkansas	8.43	7.43	8.01	7.86	8.44	8.64	8.25
California	8.04	8.29	7.25	7.75	7.90	7.93	7.74
Colorado	7.47	6.10	6.40	7.73	9.17	9.33	9.41
Connecticut	8.60	8.22	8.51	9.57	10.58	9.56	9.33
Delaware	10.70	9.15	10.82	12.54	13.93	13.86	13.35
District of Columbia	11.07	9.59	10.81	11.19	11.02	10.71	10.68
Florida	10.92	11.05	10.83	10.74	11.27	11.02	10.86
Georgia	8.58	7.88	9.81	8.74	9.47	9.16	9.20
Hawaii	31.17	28.72	28.13	27.06	28.60	30.45	36.02
Idaho	7.59	7.10	6.91	7.63	7.98	8.10	8.39
Illinois	7.29	6.03	6.66	8.26	12.57	12.77	11.61
Indiana	7.61	6.19	6.07	6.21	8.06	10.80	10.94
Iowa	6.50	5.70	6.43	6.50	8.10	8.91	8.42
Kansas	8.87	7.11	7.28	9.43	12.52	12.03	12.47
Kentucky	8.75	7.69	8.58	9.37	10.49	11.27	11.91
Louisiana	8.07	8.01	7.80	7.77	7.74	7.85	7.87
Maine	14.16	11.11	10.30	8.48	11.27	12.08	11.96
Maryland	9.80	10.23	9.37	9.78	10.88	11.37	10.76
Massachusetts	10.81	9.99	8.56	7.35	8.52	8.99	8.93
Michigan	7.51	6.61	6.85	7.48	9.06	9.19	9.33
Minnesota	7.31	6.12	6.21	6.44	7.74	8.05	8.19
Mississippi	7.86	7.76	8.02	7.85	7.88	7.71	7.82
Missouri	9.14	7.87	9.85	11.05	10.74	11.89	11.91
Montana	8.13	6.85	7.32	8.54	9.73	9.81	9.79
Nebraska	6.40	5.23	5.55	5.78	6.29	6.11	5.90
Nevada	8.66	7.37	7.82	8.58	9.10	9.07	9.45
New Hampshire	13.63	12.39	11.15	12.30	14.76	14.78	13.74
New Jersey	8.50	8.22	8.64	8.08	8.21	8.76	8.64
New Mexico	6.32	5.28	6.09	7.67	7.65	7.65	7.52
New York	6.86	6.78	6.32	6.24	5.96	5.72	6.05
North Carolina	8.27	9.83	8.40	7.96	9.38	9.04	9.26
North Dakota	6.62	5.17	5.61	6.11	7.82	8.76	8.63
Ohio	6.39	5.33	5.81	6.55	7.71	7.73	7.85
Oklahoma	8.12	6.07	10.65	14.04	14.68	15.00	13.46
Oregon	10.09	9.36	8.64	10.49	10.43	11.45	11.07
Pennsylvania	9.32	8.07	8.21	8.80	11.00	11.14	12.00
Rhode Island	11.99	10.97	12.89	15.76	17.13	17.02	16.64
South Carolina	8.49	10.21	8.47	8.08	8.40	8.16	8.45
South Dakota	6.22	5.38	5.37	5.78	7.20	7.28	7.36
Tennessee	8.46	8.32	8.71	8.92	9.36	9.85	9.34
Texas	6.95	6.56	7.29	7.71	7.75	7.67	7.54
Utah	7.97	7.53	7.33	7.33	7.29	7.30	7.26
Vermont	7.89	7.37	6.65	6.20	6.97	6.91	6.10
Virginia	8.13	7.94	7.59	8.04	8.93	8.60	8.57
Washington	9.77	8.08	8.33	10.28	10.55	11.44	11.40
West Virginia	9.14	7.64	7.93	9.95	11.47	11.89	11.48
Wisconsin	6.78	6.25	6.47	5.49	6.32	6.58	6.56
Wyoming	7.43	6.22	6.67	7.18	7.84	7.58	7.77
Total	7.91	7.22	7.39	7.78	8.42	8.45	8.49

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					
	June	May	April	March	February	January
Alabama	12.07	11.76	11.78	10.69	10.81	10.95
Alaska	8.62	7.85	8.03	8.14	8.43	8.70
Arizona	10.84	10.76	10.85	11.41	11.76	10.73
Arkansas	8.36	8.30	8.13	8.40	8.93	8.87
California	7.72	7.03	7.89	8.70	8.58	8.96
Colorado	8.39	7.63	8.18	7.87	7.45	7.68
Connecticut	10.13	9.47	8.57	7.61	7.86	8.60
Delaware	12.71	11.90	10.60	10.26	10.11	10.19
District of Columbia	11.24	11.80	11.78	11.94	10.36	11.16
Florida	11.03	10.56	10.62	10.73	11.07	11.19
Georgia	9.10	8.69	8.68	8.02	8.15	8.44
Hawaii	38.76	36.86	32.56	31.08	30.83	25.72
Idaho	7.97	7.91	7.92	7.93	7.77	7.71
Illinois	11.56	10.12	7.69	6.82	6.15	6.83
Indiana	11.19	10.32	8.89	8.53	6.87	7.49
Iowa	7.30	6.48	6.23	6.44	6.22	6.55
Kansas	12.49	10.84	10.24	9.02	8.01	8.72
Kentucky	11.47	10.90	10.01	7.96	8.18	8.28
Louisiana	7.83	7.65	7.76	8.07	8.55	8.76
Maine	11.22	13.00	15.39	15.90	16.03	16.45
Maryland	11.50	11.27	9.33	9.22	9.38	9.83
Massachusetts	8.34	10.24	11.21	10.58	11.99	12.70
Michigan	8.92	7.92	7.27	7.35	7.52	7.69
Minnesota	8.88	7.35	7.55	8.35	7.17	7.88
Mississippi	7.86	7.86	8.00	7.66	7.88	8.04
Missouri	11.17	10.38	9.34	8.18	8.70	8.84
Montana	9.16	8.28	8.24	8.04	8.25	8.45
Nebraska	5.39	5.42	6.24	6.52	6.94	7.65
Nevada	9.64	9.64	9.24	8.94	8.82	8.60
New Hampshire	12.55	12.26	12.85	13.46	14.33	15.54
New Jersey	8.33	7.84	7.31	8.55	8.74	9.05
New Mexico	6.77	6.89	6.16	5.78	5.92	6.63
New York	6.80	6.65	7.24	7.11	7.18	7.52
North Carolina	9.08	8.85	8.27	7.17	7.27	8.28
North Dakota	8.26	6.58	6.55	6.76	6.78	7.41
Ohio	7.53	7.03	6.41	6.22	6.21	6.45
Oklahoma	12.61	11.23	9.20	6.60	7.01	6.95
Oregon	11.27	11.09	10.00	10.74	10.45	10.07
Pennsylvania	11.18	10.65	9.79	9.12	9.27	9.27
Rhode Island	15.41	13.02	11.73	11.13	11.11	11.23
South Carolina	8.50	8.06	8.38	7.86	8.15	8.96
South Dakota	6.91	6.46	6.36	6.54	6.32	6.48
Tennessee	9.02	9.04	8.68	7.33	8.21	8.58
Texas	6.57	6.89	6.66	6.41	6.54	7.25
Utah	7.38	7.48	8.18	8.51	8.77	8.23
Vermont	6.78	8.53	9.02	8.88	8.94	8.93
Virginia	9.14	9.08	8.19	7.64	7.66	8.59
Washington	11.05	10.64	10.16	10.12	10.14	10.11
West Virginia	12.44	10.70	9.54	8.97	8.88	8.87
Wisconsin	6.88	5.65	5.21	7.20	7.42	7.53
Wyoming	7.92	7.69	7.61	7.87	8.06	7.59
Total	8.52	8.13	8.02	7.84	7.81	8.14

^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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	4.50	3.36	4.44	4.28	4.31	4.11	4.67
Alaska	6.90	5.49	6.91	6.68	6.81	6.96	6.99
Arizona	6.16	5.98	7.09	6.34	6.20	5.98	6.07
Arkansas	6.68	5.72	7.52	6.53	6.81	6.63	6.70
California	7.78	6.46	6.64	7.11	7.25	7.77	8.03
Colorado	5.43	4.49	5.90	5.64	5.17	5.59	5.47
Connecticut	NA	6.16	6.65	6.45	NA	NA	7.99
Delaware	9.27	8.15	9.96	9.80	9.06	9.56	9.10
District of Columbia	--	--	--	--	--	--	--
Florida	6.22	5.89	6.76	6.07	5.96	6.49	6.44
Georgia	4.79	3.68	4.76	4.70	4.68	4.24	4.95
Hawaii	17.38	14.81	19.30	17.75	17.06	17.41	17.83
Idaho	4.58	5.45	6.03	4.48	4.61	4.56	4.63
Illinois	6.15	NA	5.63	6.73	6.32	5.88	6.16
Indiana	6.04	4.54	7.25	6.29	7.00	5.67	6.05
Iowa	NA	NA	5.53	5.13	4.89	NA	5.04
Kansas	5.10	3.92	4.92	4.66	4.58	4.85	6.45
Kentucky	4.49	3.44	4.98	4.48	4.36	4.11	4.62
Louisiana	NA	2.69	3.44	NA	4.69	NA	NA
Maine	8.95	8.13	12.95	6.61	9.28	9.27	9.35
Maryland	NA	8.31	9.37	NA	NA	8.68	10.00
Massachusetts	NA	8.11	10.35	NA	8.86	8.74	9.02
Michigan	6.00	5.77	6.81	6.48	6.16	5.94	6.05
Minnesota	4.56	3.96	5.43	4.12	4.28	4.31	4.73
Mississippi	NA	4.28	5.33	5.10	NA	NA	NA
Missouri	NA	5.81	7.77	6.28	NA	6.99	NA
Montana	6.23	5.68	7.38	6.17	5.67	6.43	6.52
Nebraska	NA	4.00	4.85	4.30	4.30	NA	5.20
Nevada	4.53	6.45	8.37	5.14	4.60	4.46	4.37
New Hampshire	9.42	8.52	12.02	7.98	8.88	9.13	10.27
New Jersey	NA	6.80	8.22	7.67	7.43	NA	NA
New Mexico	NA	3.73	4.77	NA	4.11	NA	NA
New York	7.27	6.16	7.15	7.10	7.74	7.39	7.35
North Carolina	6.47	5.40	6.76	6.09	6.37	6.37	6.68
North Dakota	3.09	2.22	3.49	2.80	2.87	2.65	3.43
Ohio	NA	NA	5.33	NA	NA	NA	5.10
Oklahoma	6.57	6.95	7.26	7.65	8.79	7.30	6.45
Oregon	NA	5.64	6.53	NA	5.41	5.56	5.52
Pennsylvania	NA	NA	8.53	NA	8.78	8.11	8.01
Rhode Island	8.39	8.60	9.15	8.55	8.67	8.39	8.35
South Carolina	5.10	4.10	5.02	4.78	4.71	4.54	5.22
South Dakota	5.22	4.51	5.58	5.30	4.66	5.09	5.43
Tennessee	5.36	4.27	5.54	4.95	5.02	5.13	5.71
Texas	3.36	2.19	3.03	3.37	3.34	2.81	3.44
Utah	5.74	5.87	6.50	5.14	5.70	5.87	5.97
Vermont	5.42	5.07	5.73	4.78	5.04	5.34	5.67
Virginia	4.84	4.10	5.39	4.79	4.63	4.44	5.33
Washington	7.41	7.39	9.35	7.52	7.52	7.36	7.59
West Virginia	NA	NA	3.41	NA	1.99	2.17	2.37
Wisconsin	5.67	5.21	6.16	4.68	5.82	5.33	5.54
Wyoming	NA	3.77	5.71	3.96	4.24	4.37	4.52
Total	4.38	3.26	4.33	4.08	4.20	4.02	4.62

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	2017						2016
	January	Total	December	November	October	September	August
Alabama	5.08	NA	NA	4.32	4.24	NA	3.81
Alaska	6.99	5.06	5.21	4.83	4.53	4.45	5.64
Arizona	6.21	5.75	5.89	5.77	5.56	5.51	6.02
Arkansas	6.73	5.75	6.61	6.32	5.13	5.12	5.96
California	8.45	6.90	8.58	7.59	7.38	7.47	7.02
Colorado	5.35	NA	4.79	5.17	NA	NA	7.03
Connecticut	7.25	6.09	6.09	5.63	5.98	6.08	6.17
Delaware	8.93	NA	9.10	NA	NA	11.94	10.31
District of Columbia	--	--	--	--	--	--	--
Florida	6.11	5.71	5.54	5.71	6.07	5.29	5.71
Georgia	5.41	4.01	4.76	4.28	4.33	4.42	4.25
Hawaii	16.90	15.70	16.57	16.80	15.85	15.65	16.03
Idaho	4.56	5.19	4.51	4.61	4.62	5.40	5.46
Illinois	6.13	NA	5.16	5.76	5.66	NA	7.08
Indiana	5.80	4.87	5.15	5.23	4.91	5.72	5.93
Iowa	5.05	NA	4.97	4.51	4.76	4.78	4.18
Kansas	6.27	3.64	5.21	4.49	3.59	3.65	3.51
Kentucky	4.87	3.67	4.38	4.17	4.05	3.87	3.59
Louisiana	4.45	NA	NA	NA	3.50	3.33	3.15
Maine	9.33	7.69	9.45	8.83	5.99	6.13	5.99
Maryland	9.67	8.87	9.04	9.55	10.78	10.05	12.61
Massachusetts	8.80	7.94	9.03	8.76	7.46	6.51	6.80
Michigan	5.82	NA	5.71	5.62	6.20	NA	6.06
Minnesota	5.01	4.09	4.54	4.25	4.19	4.11	4.09
Mississippi	5.67	4.38	4.74	4.85	4.63	4.54	4.52
Missouri	7.45	6.02	6.68	6.42	5.79	5.87	6.09
Montana	6.17	5.65	5.76	5.54	5.45	5.67	6.32
Nebraska	4.69	3.95	4.42	4.17	3.92	3.99	3.89
Nevada	4.35	5.89	4.59	5.06	5.20	5.87	5.79
New Hampshire	10.13	8.59	10.11	9.06	7.58	8.06	8.21
New Jersey	NA	NA	7.94	7.89	7.00	7.57	NA
New Mexico	4.96	4.17	4.85	4.28	4.71	4.53	4.27
New York	6.81	5.97	6.17	5.71	5.58	5.30	5.75
North Carolina	6.69	5.39	6.07	5.42	5.23	5.23	5.16
North Dakota	3.93	2.57	3.38	2.80	2.86	2.82	3.68
Ohio	5.34	NA	5.14	5.66	6.30	6.67	6.71
Oklahoma	5.53	NA	6.11	9.58	8.10	8.82	NA
Oregon	5.37	5.73	5.50	5.82	5.74	5.65	5.72
Pennsylvania	7.88	NA	7.72	8.32	8.43	8.62	5.77
Rhode Island	8.06	8.70	8.00	8.83	9.01	9.16	9.22
South Carolina	6.20	4.46	5.63	5.06	4.75	4.63	4.50
South Dakota	5.36	4.78	4.78	4.94	5.09	6.12	6.01
Tennessee	5.86	4.40	5.27	4.76	4.67	4.46	4.31
Texas	3.84	2.65	3.35	2.94	3.22	3.16	3.01
Utah	6.02	5.51	5.88	5.17	4.96	4.93	5.00
Vermont	6.02	5.20	5.68	5.20	5.13	5.14	5.31
Virginia	5.11	4.16	4.51	4.20	4.15	4.20	4.28
Washington	7.19	7.39	7.30	7.17	7.12	7.26	7.69
West Virginia	2.14	NA	2.22	2.12	2.21	2.06	2.00
Wisconsin	6.31	5.03	5.64	5.33	4.63	4.60	4.28
Wyoming	NA	3.96	4.58	4.64	4.27	3.93	3.93
Total	4.90	3.51	4.31	3.86	3.87	3.73	3.58

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						
	July	June	May	April	March	February	January
Alabama	3.98	3.34	2.97	3.22	3.21	3.66	3.65
Alaska	5.17	4.58	3.69	6.36	6.75	6.74	4.88
Arizona	5.76	4.93	5.59	5.72	5.86	6.17	6.46
Arkansas	5.35	5.46	5.29	5.35	5.85	5.86	5.96
California	6.40	5.89	5.93	5.79	6.77	7.01	6.66
Colorado	6.21	5.50	4.28	4.39	4.99	4.53	4.24
Connecticut	6.19	6.05	6.58	6.84	5.84	5.71	6.10
Delaware	8.99	8.77	8.62	7.85	8.29	7.98	8.14
District of Columbia	--	--	--	--	--	--	--
Florida	5.39	5.25	5.14	5.66	6.22	6.05	6.30
Georgia	4.14	3.54	3.50	3.45	3.46	3.95	4.02
Hawaii	16.51	16.92	15.05	14.45	13.73	14.45	16.17
Idaho	5.43	5.46	5.44	5.50	5.46	5.46	5.41
Illinois	NA	5.43	NA	4.89	4.69	4.50	4.24
Indiana	5.70	4.96	4.10	4.39	4.67	4.85	4.44
Iowa	4.49	4.28	3.92	4.28	4.68	NA	5.30
Kansas	3.44	3.27	3.34	3.40	4.24	6.18	6.67
Kentucky	3.89	2.91	3.26	2.87	3.38	3.71	3.86
Louisiana	3.37	2.47	2.55	2.48	2.39	2.92	3.06
Maine	5.58	5.55	5.78	8.46	8.51	8.52	8.46
Maryland	13.92	9.88	7.42	7.63	8.62	8.52	8.37
Massachusetts	6.76	6.59	7.79	8.04	7.98	8.36	8.21
Michigan	6.39	6.00	5.76	5.59	5.61	5.96	5.82
Minnesota	4.31	3.61	3.51	3.42	3.80	4.25	4.30
Mississippi	3.89	3.88	3.75	4.03	4.31	4.55	4.62
Missouri	6.70	5.78	5.29	5.77	5.84	6.02	5.80
Montana	4.84	6.18	4.82	5.40	5.52	6.27	5.88
Nebraska	3.60	3.29	3.20	3.69	4.23	4.23	4.32
Nevada	6.51	6.10	5.99	6.21	6.73	6.65	6.49
New Hampshire	8.24	7.14	7.48	7.90	7.98	8.96	9.60
New Jersey	NA	7.12	6.12	5.60	7.52	6.81	7.02
New Mexico	3.91	3.49	3.38	3.45	3.75	4.05	4.24
New York	5.61	5.60	5.77	5.93	6.25	6.29	6.28
North Carolina	5.11	5.05	5.07	5.29	5.66	5.57	5.30
North Dakota	2.98	2.09	1.91	2.09	2.10	2.83	2.43
Ohio	NA	NA	5.53	NA	4.20	4.29	4.46
Oklahoma	NA	NA	9.14	8.07	5.61	5.42	9.95
Oregon	5.58	6.81	5.40	5.50	5.84	5.78	5.61
Pennsylvania	9.13	NA	NA	6.72	7.21	6.81	7.07
Rhode Island	8.91	8.76	8.91	8.77	8.40	8.44	8.61
South Carolina	4.73	3.80	3.78	3.41	3.79	4.46	5.12
South Dakota	5.20	4.78	4.33	4.10	4.50	4.51	4.83
Tennessee	4.38	3.65	3.75	3.80	4.24	4.73	4.65
Texas	2.98	2.16	2.14	2.08	1.88	2.39	2.45
Utah	5.02	5.10	5.14	5.68	5.97	6.44	6.07
Vermont	5.61	4.97	5.13	4.93	4.96	5.17	5.14
Virginia	3.91	4.06	3.84	3.56	4.13	4.22	4.51
Washington	7.67	8.07	7.25	7.31	7.39	7.64	7.30
West Virginia	2.03	2.11	2.02	2.76	NA	2.35	2.17
Wisconsin	4.63	3.44	3.97	5.05	4.94	5.45	5.74
Wyoming	3.60	3.65	3.70	3.65	3.68	3.82	3.95
Total	3.57	2.89	2.90	2.99	3.04	3.63	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
Alabama	4.08	3.61	3.45	3.61	3.82	4.05	3.96
Alaska	6.86	6.84	6.77	6.85	6.83	6.82	6.78
Arizona	6.78	6.39	6.30	6.32	6.58	6.55	6.76
Arkansas	6.91	5.64	5.99	6.43	6.44	6.59	6.61
California	6.41	6.99	5.83	5.94	6.15	6.12	6.08
Colorado	5.74	4.52	5.20	6.03	6.22	6.65	7.39
Connecticut	6.35	6.58	5.85	5.75	6.58	5.64	5.86
Delaware	10.11	8.32	9.62	11.15	11.40	11.38	10.89
District of Columbia	--	--	--	--	--	--	--
Florida	6.43	6.10	6.22	6.30	6.09	6.04	6.70
Georgia	4.42	3.86	3.76	4.14	4.28	4.38	4.34
Hawaii	19.03	15.06	17.68	17.99	19.09	19.29	21.57
Idaho	5.83	5.40	4.93	5.77	5.93	6.09	6.10
Illinois	5.47	4.65	4.59	5.39	6.19	5.96	6.06
Indiana	6.36	4.79	4.42	4.27	5.21	5.85	6.29
Iowa	5.28	4.61	5.26	4.56	6.17	5.11	5.45
Kansas	4.24	5.61	4.62	4.18	3.90	3.95	4.00
Kentucky	4.45	3.65	3.51	3.86	3.94	4.13	4.43
Louisiana	3.31	2.98	2.74	3.14	3.29	3.47	3.44
Maine	8.95	8.50	8.20	4.56	4.72	4.81	4.68
Maryland	9.70	10.84	10.90	9.52	8.76	9.99	11.89
Massachusetts	9.22	8.90	7.31	5.51	6.26	6.91	6.66
Michigan	6.60	5.78	5.76	6.33	6.75	7.02	6.44
Minnesota	4.87	4.24	4.13	4.24	4.17	4.68	4.53
Mississippi	4.75	4.18	4.31	4.27	4.52	4.00	4.54
Missouri	7.58	6.91	6.97	7.17	7.96	7.29	7.88
Montana	6.53	5.54	6.16	5.87	7.00	5.93	6.41
Nebraska	4.56	4.79	4.08	4.12	4.27	4.33	4.27
Nevada	8.07	6.61	7.12	7.72	8.58	8.16	8.71
New Hampshire	10.33	9.87	7.53	5.48	5.10	6.05	6.14
New Jersey	8.09	7.52	7.09	7.34	8.31	8.75	8.19
New Mexico	4.62	4.26	4.60	4.69	4.70	4.60	4.53
New York	6.62	6.27	6.01	5.57	5.83	5.33	5.86
North Carolina	6.34	5.87	5.73	6.04	6.14	5.87	5.95
North Dakota	3.13	2.88	2.58	2.76	2.81	2.95	3.11
Ohio	5.35	4.65	4.74	5.61	6.64	6.09	5.40
Oklahoma	7.51	6.18	7.90	9.90	12.85	8.77	8.63
Oregon	6.28	5.50	5.58	6.41	6.38	6.39	6.30
Pennsylvania	8.59	7.62	8.47	8.93	10.37	10.35	10.06
Rhode Island	9.26	8.22	9.48	9.92	9.79	10.09	9.61
South Carolina	4.64	4.25	4.09	4.26	4.37	4.59	4.47
South Dakota	5.34	4.56	4.56	5.13	6.04	5.73	5.71
Tennessee	5.06	4.58	4.47	4.45	4.63	4.79	4.80
Texas	2.89	2.38	2.28	2.77	2.95	3.13	3.07
Utah	5.93	6.01	5.35	5.24	5.30	5.32	5.20
Vermont	5.50	5.81	5.42	5.58	4.65	4.53	5.90
Virginia	5.02	4.48	3.95	4.69	4.86	4.56	4.81
Washington	8.91	7.30	7.89	8.70	9.23	9.33	10.04
West Virginia	3.17	2.58	2.13	3.21	3.19	3.23	3.22
Wisconsin	5.65	5.43	5.37	4.69	4.56	4.91	4.54
Wyoming	5.07	4.01	4.63	4.56	4.75	4.75	4.63
Total	3.91	3.45	3.26	3.52	3.63	3.77	3.73

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					
	June	May	April	March	February	January
Alabama	4.08	3.69	4.13	4.69	4.95	4.66
Alaska	6.84	6.86	6.70	6.88	7.08	6.97
Arizona	6.86	6.54	6.96	7.15	7.51	7.25
Arkansas	6.09	6.41	6.84	7.70	7.90	7.88
California	6.29	5.51	6.45	6.89	6.77	7.68
Colorado	6.58	5.32	5.49	6.20	6.15	6.01
Connecticut	6.01	6.18	6.77	5.81	6.52	7.89
Delaware	9.09	9.78	9.56	10.20	10.25	9.91
District of Columbia	--	--	--	--	--	--
Florida	5.78	5.88	6.05	6.53	7.12	8.40
Georgia	4.41	4.14	4.22	5.02	4.98	5.34
Hawaii	20.94	19.68	19.40	18.66	18.33	20.25
Idaho	5.85	5.86	5.93	6.01	6.14	6.16
Illinois	5.94	5.66	5.75	5.74	5.13	6.02
Indiana	5.70	6.14	9.14	7.18	6.69	7.52
Iowa	4.77	4.76	4.47	5.67	5.63	6.40
Kansas	4.08	4.17	4.43	5.75	5.82	6.98
Kentucky	4.60	4.27	4.51	5.22	5.21	5.37
Louisiana	3.39	2.93	3.22	3.48	3.66	3.87
Maine	4.61	5.50	14.71	15.12	15.22	15.20
Maryland	12.71	10.17	8.08	8.81	9.64	10.06
Massachusetts	6.90	8.73	9.67	9.60	10.86	11.74
Michigan	6.78	6.59	6.21	6.70	6.98	7.06
Minnesota	4.62	4.19	4.55	5.82	5.83	5.89
Mississippi	4.36	4.46	4.75	5.75	5.49	6.16
Missouri	7.52	7.33	7.95	7.79	7.65	7.92
Montana	4.89	6.49	7.00	7.25	7.38	8.18
Nebraska	3.83	4.13	5.53	5.39	4.34	4.84
Nevada	9.18	9.06	8.71	8.32	8.27	7.94
New Hampshire	7.16	8.31	10.89	12.09	12.47	14.13
New Jersey	8.13	7.82	7.87	7.96	8.26	8.81
New Mexico	4.44	4.11	4.52	4.93	5.06	5.84
New York	6.00	6.54	7.21	7.21	7.05	7.43
North Carolina	5.83	5.67	6.11	6.69	7.52	7.06
North Dakota	2.90	2.81	3.01	3.77	3.86	3.92
Ohio	7.24	5.71	5.28	5.22	5.44	5.26
Oklahoma	8.96	6.31	9.41	6.57	7.40	7.62
Oregon	6.25	6.29	6.25	6.65	6.72	6.69
Pennsylvania	10.21	9.59	8.25	7.85	8.96	8.74
Rhode Island	9.38	9.75	9.20	9.00	9.01	9.12
South Carolina	4.56	4.19	4.36	4.96	5.99	5.77
South Dakota	5.14	5.50	5.42	5.31	5.52	6.04
Tennessee	4.87	4.83	4.99	5.69	5.75	6.18
Texas	3.04	2.82	2.88	3.00	3.10	3.37
Utah	5.72	5.94	6.50	6.72	6.74	6.65
Vermont	5.17	5.23	5.29	5.98	6.25	5.70
Virginia	5.08	5.33	5.15	5.32	5.28	5.76
Washington	9.45	9.21	9.55	8.91	9.40	9.63
West Virginia	3.18	3.16	3.29	3.49	3.37	3.79
Wisconsin	5.07	4.42	4.46	6.40	6.67	6.78
Wyoming	5.20	5.02	5.36	5.17	5.40	6.48
Total	3.74	3.56	3.94	4.43	4.71	4.87

^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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	W	W	W	W	W	W	W
Alaska	8.09	6.43	5.49	8.09	8.09	8.09	8.09
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	W	3.59	W	W	W	W
Colorado	W	W	W	W	W	W	W
Connecticut	W	4.25	6.68	W	W	W	5.84
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	W	3.59	4.02	4.38
Georgia	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	--	3.06	4.79	--	--	--	--
Illinois	W	W	W	W	W	W	W
Indiana	W	W	W	W	W	W	W
Iowa	3.96	2.45	4.01	2.84	2.85	4.71	4.85
Kansas	4.11	3.35	4.39	4.10	3.88	3.52	4.82
Kentucky	W	W	W	W	W	W	5.96
Louisiana	W	W	W	W	W	W	W
Maine	W	W	W	--	W	W	W
Maryland	4.22	3.09	W	3.37	3.40	4.90	4.25
Massachusetts	W	2.94	6.91	3.36	3.24	4.37	W
Michigan	3.37	2.34	3.58	3.44	3.45	3.16	3.18
Minnesota	3.72	W	W	3.60	3.40	3.35	3.49
Mississippi	W	W	W	W	W	W	W
Missouri	3.09	W	W	3.40	3.03	2.59	3.05
Montana	2.28	--	--	2.49	2.22	2.09	2.25
Nebraska	4.84	2.64	4.08	4.03	4.37	5.17	6.48
Nevada	3.82	2.61	3.49	3.49	3.74	3.60	3.80
New Hampshire	W	W	W	W	W	W	W
New Jersey	3.53	2.22	4.64	3.24	3.34	3.45	3.64
New Mexico	3.71	2.65	3.25	3.69	3.85	3.27	3.65
New York	4.21	2.75	5.10	3.29	3.39	4.26	4.54
North Carolina	W	W	W	W	W	W	W
North Dakota	5.22	2.15	2.77	4.37	4.42	5.52	4.80
Ohio	3.30	1.97	2.77	3.22	3.28	2.93	3.26
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	3.26	1.94	3.77	3.00	3.00	2.86	3.21
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	--	2.11	3.07	--	--	--	--
Tennessee	3.16	2.18	3.00	2.96	3.04	3.00	3.09
Texas	3.23	2.19	3.04	3.29	3.22	3.02	3.12
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	3.59	3.67	W	W
Washington	4.46	W	W	3.85	3.67	3.74	5.57
West Virginia	W	2.04	W	W	3.36	W	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	W	8.69	6.98	W	W	10.87	W
Total	3.74	2.67	3.88	3.62	3.49	3.52	3.74

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
	January	Total	December	November	October	September	August
Alabama	W	W	W	W	W	W	W
Alaska	8.09	6.65	7.21	6.91	6.86	6.52	6.49
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	W	3.22	4.05	3.27	3.43	3.59	3.45
Colorado	W	W	W	W	W	W	W
Connecticut	8.10	3.67	5.49	3.34	2.45	2.92	3.09
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.92	3.86	W	W	W	W	3.95
Georgia	W	3.08	W	3.15	3.59	3.59	3.33
Hawaii	--	--	--	--	--	--	--
Idaho	--	2.92	4.05	4.66	4.78	3.38	2.89
Illinois	W	2.88	W	W	3.18	3.29	3.07
Indiana	W	W	W	W	W	W	W
Iowa	5.12	2.81	3.83	3.02	3.00	3.00	2.94
Kansas	4.92	3.48	5.05	3.28	3.96	3.52	3.53
Kentucky	W	W	W	W	W	W	W
Louisiana	W	2.76	W	W	W	W	W
Maine	W	W	W	--	W	W	W
Maryland	5.50	2.97	4.98	3.67	2.75	2.47	2.97
Massachusetts	W	3.22	7.03	4.59	3.36	2.97	3.18
Michigan	3.63	2.81	3.93	2.77	3.19	3.32	3.12
Minnesota	4.49	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	3.43	W	W	W	W	W	W
Montana	2.36	--	--	--	--	--	--
Nebraska	5.61	3.31	4.75	3.17	3.54	3.70	3.48
Nevada	4.37	3.02	3.77	3.35	3.46	3.39	3.23
New Hampshire	W	W	W	W	W	W	W
New Jersey	4.06	2.20	4.01	2.45	1.86	1.70	1.92
New Mexico	4.02	3.07	4.21	3.06	3.30	3.43	3.30
New York	5.41	2.76	5.47	2.95	1.98	2.18	2.54
North Carolina	W	W	W	W	W	W	W
North Dakota	6.31	2.74	3.58	2.74	3.10	3.07	2.98
Ohio	3.84	2.36	3.41	2.32	2.30	2.59	2.55
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	4.12	1.95	3.52	2.10	1.29	1.51	1.68
Rhode Island	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	--	2.62	3.92	2.50	3.38	3.39	2.94
Tennessee	3.82	2.61	3.44	2.84	3.15	2.91	2.69
Texas	3.47	2.67	3.44	2.71	3.24	3.13	2.94
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W
Washington	4.95	W	W	W	W	W	W
West Virginia	W	W	5.87	2.83	1.69	1.97	W
Wisconsin	W	W	W	W	W	W	W
Wyoming	4.04	8.29	8.65	12.43	4,893.63	10.24	5.57
Total	4.32	2.99	4.16	3.14	3.24	3.19	3.07

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						
	July	June	May	April	March	February	January
Alabama	W	W	W	W	W	W	W
Alaska	6.81	7.10	6.43	6.47	6.34	6.43	6.47
Arizona	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W
California	3.48	2.98	W	2.47	2.59	2.85	3.08
Colorado	W	W	W	W	W	W	W
Connecticut	3.13	2.33	2.39	2.74	4.63	5.63	6.12
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.72	3.43	W	W	W	W	W
Georgia	3.30	3.03	2.44	2.40	2.23	W	W
Hawaii	--	--	--	--	--	--	--
Idaho	2.83	2.47	2.41	11.72	2.26	2.25	2.67
Illinois	3.05	W	2.25	2.24	2.31	W	W
Indiana	W	W	W	W	W	W	W
Iowa	2.83	2.63	2.10	2.61	2.23	2.57	2.96
Kansas	3.26	3.07	3.15	3.16	2.84	4.22	4.26
Kentucky	W	W	W	W	W	3.35	W
Louisiana	3.08	2.63	W	W	W	W	W
Maine	W	W	W	W	W	W	W
Maryland	2.94	3.01	2.50	2.40	2.69	5.64	3.59
Massachusetts	2.86	2.34	2.11	2.99	1.99	3.46	4.73
Michigan	3.04	2.75	2.28	2.31	2.14	2.37	2.66
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--
Nebraska	3.41	3.32	2.77	2.44	2.34	2.81	3.52
Nevada	3.38	2.57	2.54	2.40	2.30	2.78	2.98
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.09	2.13	1.95	1.76	1.62	2.83	3.02
New Mexico	3.31	2.87	2.47	2.69	2.56	2.57	2.91
New York	2.75	2.38	2.12	2.36	2.22	3.41	3.76
North Carolina	W	W	W	W	W	W	W
North Dakota	2.88	2.63	2.04	2.09	1.90	2.22	2.45
Ohio	2.80	2.32	2.03	2.01	1.63	2.00	2.20
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	1.86	1.90	1.65	1.61	1.43	2.33	2.70
Rhode Island	2.92	W	2.23	W	W	W	W
South Carolina	W	W	W	W	W	W	W
South Dakota	2.87	2.53	2.10	2.07	1.82	2.08	2.57
Tennessee	2.74	2.37	1.96	1.96	2.05	2.33	2.58
Texas	2.95	2.62	2.17	2.14	1.91	2.19	2.53
Utah	W	W	W	W	W	W	2.81
Vermont	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W
West Virginia	3.21	2.00	2.03	2.12	1.92	2.07	2.22
Wisconsin	W	W	W	W	W	W	W
Wyoming	--	17.60	12.15	5.88	4.39	7.69	13.31
Total	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
Alabama	3.06	W	W	2.78	3.07	3.13	3.25
Alaska	5.40	5.44	5.48	5.45	5.48	5.21	5.19
Arizona	3.43	W	W	W	W	3.47	3.54
Arkansas	W	W	W	W	W	W	W
California	3.39	2.95	2.94	3.18	3.29	3.52	3.53
Colorado	3.81	W	W	W	W	W	W
Connecticut	4.73	5.06	5.14	3.17	3.08	2.69	2.48
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	4.41	3.98	3.90	4.31	4.46	4.45	4.43
Georgia	3.27	W	2.64	2.85	3.31	3.36	3.40
Hawaii	--	--	--	--	--	--	--
Idaho	2.89	2.41	2.72	2.92	3.01	2.92	2.85
Illinois	W	W	W	W	3.12	W	W
Indiana	W	W	W	W	W	W	W
Iowa	3.23	2.60	5.06	2.89	2.98	3.12	3.06
Kansas	3.95	4.66	4.03	4.88	3.68	3.70	3.52
Kentucky	W	W	2.50	W	W	W	W
Louisiana	W	W	W	W	W	3.20	W
Maine	W	W	W	W	W	W	W
Maryland	4.06	3.13	3.11	3.05	3.18	4.07	3.73
Massachusetts	4.38	2.53	3.62	4.31	4.14	3.08	2.57
Michigan	3.21	2.17	2.56	2.91	3.32	3.40	3.30
Minnesota	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W
Montana	--	--	--	--	--	--	--
Nebraska	3.97	3.63	3.37	3.22	3.38	5.08	3.81
Nevada	3.34	3.00	2.85	3.24	3.30	3.38	3.43
New Hampshire	W	W	W	W	W	W	W
New Jersey	2.96	1.71	1.80	2.00	2.08	2.20	2.07
New Mexico	3.21	2.46	2.64	3.11	3.13	3.28	3.86
New York	3.51	2.96	2.69	2.60	2.51	2.61	2.56
North Carolina	W	W	W	W	W	W	W
North Dakota	2.89	2.07	2.08	2.67	3.09	3.03	2.87
Ohio	2.42	1.91	2.09	2.17	2.26	2.25	2.30
Oklahoma	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W
Pennsylvania	2.52	1.55	1.59	1.71	2.00	1.80	2.02
Rhode Island	W	W	3.50	3.74	2.78	2.42	2.40
South Carolina	W	W	W	W	W	W	W
South Dakota	3.31	2.25	2.92	2.90	3.31	4.23	3.78
Tennessee	2.74	2.33	2.31	2.47	2.61	2.71	2.74
Texas	2.88	2.23	2.30	2.66	2.88	3.01	3.03
Utah	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--
Virginia	3.55	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W
West Virginia	W	1.52	1.90	W	W	1.94	2.07
Wisconsin	W	W	W	W	W	W	W
Wyoming	5.18	7.01	4.13	5.08	4.46	6.95	5.28
Total	3.37	2.71	2.78	3.03	3.19	3.22	3.23

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					
	June	May	April	March	February	January
Alabama	3.17	3.26	W	W	W	W
Alaska	5.14	4.86	5.47	5.41	5.49	5.95
Arizona	3.47	3.73	W	W	W	W
Arkansas	W	W	W	W	W	W
California	3.51	3.44	3.34	3.50	3.73	3.91
Colorado	W	W	W	W	W	4.72
Connecticut	2.19	2.30	2.99	6.91	12.82	8.77
Delaware	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--
Florida	4.52	4.39	W	W	4.78	W
Georgia	3.38	3.57	3.28	3.42	W	W
Hawaii	--	--	--	--	--	--
Idaho	2.74	3.08	3.05	16.18	--	3.03
Illinois	3.04	W	W	W	4.81	W
Indiana	W	W	W	W	W	W
Iowa	3.07	3.18	2.98	3.43	4.70	4.98
Kansas	3.68	4.33	4.32	4.06	4.50	5.25
Kentucky	W	W	W	W	W	W
Louisiana	W	W	W	W	W	W
Maine	W	W	W	W	W	W
Maryland	3.09	3.25	2.58	W	W	6.65
Massachusetts	3.18	3.16	3.36	8.64	13.60	12.21
Michigan	3.18	3.25	3.24	3.57	4.11	3.61
Minnesota	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W
Missouri	W	W	W	W	W	W
Montana	--	--	--	--	--	--
Nebraska	3.59	4.01	3.63	4.02	4.90	4.48
Nevada	3.43	3.21	3.27	3.45	3.54	4.10
New Hampshire	W	W	W	W	W	W
New Jersey	2.34	2.32	2.43	3.67	9.88	5.80
New Mexico	3.61	3.26	3.03	3.09	3.11	3.71
New York	2.71	2.76	2.82	4.48	9.93	6.24
North Carolina	W	W	W	W	W	W
North Dakota	2.70	2.71	2.75	2.73	2.93	2.74
Ohio	2.20	2.38	2.23	2.75	3.31	2.92
Oklahoma	W	W	W	W	W	W
Oregon	W	W	2.66	2.85	3.12	3.24
Pennsylvania	1.83	2.01	2.02	3.06	8.29	4.28
Rhode Island	1.96	2.15	3.41	W	W	9.99
South Carolina	W	W	W	W	W	W
South Dakota	3.53	3.06	3.46	2.77	3.05	2.94
Tennessee	2.75	2.28	2.66	3.35	3.27	3.59
Texas	2.98	3.02	2.82	3.02	3.09	3.26
Utah	W	W	W	W	3.37	W
Vermont	--	--	--	--	--	--
Virginia	W	2.82	W	W	W	W
Washington	W	W	3.50	4.41	3.46	4.63
West Virginia	2.48	2.41	W	2.64	W	2.95
Wisconsin	W	W	W	W	W	W
Wyoming	4.77	3.80	15.03	5.54	9.15	5.89
Total	3.24	3.28	3.23	3.71	4.99	4.29

^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 5-Month YTD			2016 5-Month YTD			2015 5-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	NA	26.5	100.0	79.6	24.1	100.0	81.6	24.1
Alaska	100.0	99.0	100.0	100.0	98.9	100.0	100.0	97.7	100.0
Arizona	NA	83.6	14.2	100.0	84.6	14.2	100.0	85.3	15.9
Arkansas	100.0	NA	1.7	100.0	44.8	1.5	100.0	52.0	2.0
California	NA	55.5	4.4	95.0	53.6	4.2	94.6	51.9	4.2
Colorado	100.0	93.8	7.9	100.0	94.6	8.7	100.0	94.7	8.8
Connecticut	96.3	NA	NA	96.4	NA	49.4	96.5	78.3	47.8
Delaware	100.0	42.1	NA	100.0	44.2	0.3	100.0	52.6	0.4
District of Columbia	NA	20.1	0.0	74.0	21.1	--	73.7	22.9	0.0
Florida	90.7	29.5	3.6	92.9	31.3	3.4	97.7	31.9	3.4
Georgia	100.0	100.0	26.2	100.0	100.0	21.8	100.0	100.0	21.6
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	80.3	2.7	100.0	77.2	2.3	100.0	77.1	2.8
Illinois	NA	35.9	7.4	86.0	37.0	NA	86.1	39.4	8.2
Indiana	95.7	66.2	2.0	95.8	68.0	2.2	95.8	69.7	2.4
Iowa	100.0	71.2	NA	100.0	72.8	NA	100.0	73.1	3.9
Kansas	NA	NA	2.9	100.0	59.7	3.7	100.0	65.2	5.2
Kentucky	96.5	79.5	19.2	96.5	80.8	17.6	96.0	82.2	16.5
Louisiana	100.0	NA	NA	100.0	79.3	3.4	100.0	80.3	3.4
Maine	100.0	63.0	10.5	100.0	60.1	NA	100.0	57.8	4.5
Maryland	NA	NA	NA	73.9	28.5	9.3	72.8	30.4	12.0
Massachusetts	98.4	NA	NA	99.0	46.4	25.3	99.5	51.0	31.0
Michigan	93.2	58.7	8.0	92.7	58.5	8.1	92.8	59.7	9.8
Minnesota	100.0	NA	17.3	100.0	85.6	16.5	100.0	85.9	16.7
Mississippi	87.0	84.8	NA	NA	86.1	9.7	99.7	88.1	9.8
Missouri	100.0	NA	NA	100.0	75.4	13.3	100.0	74.9	15.9
Montana	99.4	53.5	2.2	99.6	51.4	NA	99.7	54.8	1.5
Nebraska	87.6	58.2	NA	87.8	60.6	7.5	88.2	59.3	8.5
Nevada	100.0	63.5	16.8	100.0	62.7	14.7	100.0	61.7	14.2
New Hampshire	100.0	55.8	6.9	100.0	55.6	NA	100.0	60.9	13.5
New Jersey	94.5	NA	NA	94.3	43.3	8.0	93.2	48.3	10.6
New Mexico	100.0	58.8	NA	100.0	59.8	6.0	100.0	60.7	5.3
New York	100.0	NA	7.1	100.0	100.0	6.9	100.0	100.0	7.3
North Carolina	100.0	NA	12.1	100.0	85.6	11.9	100.0	86.8	12.1
North Dakota	100.0	93.7	36.9	100.0	93.8	30.1	100.0	94.2	42.1
Ohio	NA	NA	NA	100.0	100.0	NA	100.0	100.0	2.7
Oklahoma	100.0	47.9	0.8	100.0	47.2	0.6	100.0	51.1	1.0
Oregon	100.0	94.9	NA	100.0	94.5	15.9	100.0	95.6	17.1
Pennsylvania	NA	NA	NA	87.3	39.0	NA	86.1	43.2	1.7
Rhode Island	100.0	52.8	NA	100.0	52.8	3.5	100.0	54.6	6.8
South Carolina	100.0	91.6	41.2	100.0	92.3	41.6	100.0	92.7	42.7
South Dakota	100.0	82.9	5.1	100.0	82.0	5.6	100.0	82.8	5.7
Tennessee	100.0	89.3	23.6	100.0	90.0	28.8	100.0	91.8	30.0
Texas	NA	NA	NA	99.8	73.3	40.6	99.8	75.3	40.2
Utah	100.0	76.1	4.4	100.0	79.0	6.1	100.0	79.4	7.6
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	90.0	55.1	10.8	89.7	58.0	12.5
Washington	100.0	NA	7.7	100.0	86.1	7.2	100.0	85.8	6.8
West Virginia	100.0	55.4	NA	100.0	57.0	NA	100.0	61.7	17.0
Wisconsin	100.0	74.8	17.4	100.0	74.7	17.3	100.0	75.8	19.4
Wyoming	71.4	50.4	NA	72.0	51.0	2.1	71.8	50.8	2.0
Total	95.8	67.7	14.7	95.8	67.6	15.0	95.6	68.9	15.2

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	25.4	100.0	NA	26.6	100.0	77.8	27.2
Alaska	100.0	98.0	100.0	100.0	98.8	100.0	100.0	99.1	100.0
Arizona	100.0	80.3	14.6	100.0	81.9	15.1	100.0	82.9	13.9
Arkansas	100.0	NA	1.4	100.0	35.8	1.3	100.0	43.1	2.0
California	95.2	55.1	3.7	94.7	54.0	3.8	94.6	54.0	4.5
Colorado	100.0	92.2	6.2	100.0	92.6	7.5	100.0	93.5	7.4
Connecticut	95.1	NA	49.4	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	90.8	28.5	3.5	90.2	29.4	3.9	90.0	30.1	3.4
Georgia	100.0	100.0	25.1	100.0	100.0	25.6	100.0	100.0	26.8
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	NA	26.3	3.8	82.9	30.0	5.0	86.4	38.2	8.6
Indiana	95.5	58.7	1.2	95.2	59.6	1.4	95.7	68.3	2.1
Iowa	100.0	61.1	2.0	100.0	64.9	2.4	100.0	71.5	NA
Kansas	NA	NA	3.2	100.0	51.5	3.9	100.0	55.9	4.7
Kentucky	96.7	70.6	18.2	95.4	73.6	18.7	96.8	79.4	20.8
Louisiana	100.0	78.0	NA	100.0	81.1	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	NA	NA	NA	NA	NA	NA	75.5	28.0	11.6
Massachusetts	98.0	NA	NA	98.2	NA	26.9	98.5	NA	26.4
Michigan	92.5	45.9	3.7	93.2	58.4	6.8	93.5	58.4	8.3
Minnesota	100.0	82.4	13.7	100.0	NA	15.6	100.0	91.9	17.1
Mississippi	100.0	80.6	8.6	43.4	81.8	NA	100.0	85.2	NA
Missouri	100.0	65.2	9.9	100.0	70.5	NA	100.0	72.6	12.5
Montana	99.4	49.3	1.4	99.4	50.5	2.0	99.4	51.4	1.6
Nebraska	86.9	49.2	5.3	88.1	56.0	6.9	87.6	59.5	NA
Nevada	100.0	52.0	12.5	100.0	56.9	15.7	100.0	62.5	16.3
New Hampshire	100.0	50.8	4.3	100.0	54.9	6.2	100.0	56.9	9.1
New Jersey	94.7	34.2	3.4	94.6	45.0	NA	94.6	48.4	NA
New Mexico	100.0	52.8	NA	100.0	53.6	NA	100.0	61.2	NA
New York	100.0	100.0	5.5	100.0	NA	6.4	100.0	100.0	7.4
North Carolina	100.0	77.8	9.4	100.0	78.0	11.9	100.0	NA	12.0
North Dakota	100.0	89.5	41.5	100.0	92.5	40.4	100.0	94.1	37.9
Ohio	NA	100.0	NA	100.0	100.0	NA	100.0	NA	NA
Oklahoma	100.0	34.8	0.4	100.0	38.5	0.3	100.0	44.8	0.6
Oregon	100.0	93.2	NA	100.0	93.9	15.7	100.0	94.8	17.0
Pennsylvania	87.9	31.2	NA	87.0	NA	0.9	88.1	38.9	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	90.0	40.8	100.0	89.9	41.3	100.0	91.7	40.8
South Dakota	100.0	77.9	2.8	100.0	79.5	3.9	100.0	82.8	5.5
Tennessee	100.0	82.3	22.5	100.0	86.6	23.0	100.0	89.3	24.1
Texas	99.8	NA	38.4	99.8	65.4	39.5	99.8	72.0	39.1
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	10.1	87.4	51.7	11.2	NA	NA	NA
Washington	100.0	NA	5.3	100.0	86.0	7.0	100.0	87.7	7.9
West Virginia	100.0	40.2	NA	100.0	44.7	12.7	100.0	59.3	8.8
Wisconsin	100.0	62.1	12.6	100.0	69.9	14.7	100.0	75.2	17.5
Wyoming	71.5	49.2	1.7	72.8	52.6	1.8	70.6	49.2	1.7
Total	95.6	61.1	13.9	95.2	65.0	14.5	95.7	67.8	15.0

See footnotes at end of table.

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

State	2017						2016		
	February			January			Total		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	81.8	26.7	100.0	80.5	26.6	100.0	NA	NA
Alaska	100.0	99.1	100.0	100.0	99.2	100.0	100.0	98.4	100.0
Arizona	NA	85.7	14.2	100.0	85.2	13.6	100.0	82.7	15.9
Arkansas	100.0	46.7	2.0	100.0	51.8	1.8	100.0	NA	1.5
California	95.1	57.0	5.0	NA	56.7	4.8	95.1	51.2	3.9
Colorado	100.0	94.2	9.0	100.0	94.6	8.9	100.0	94.1	NA
Connecticut	96.5	76.8	51.8	96.7	79.9	52.0	96.2	NA	49.4
Delaware	100.0	44.6	0.6	100.0	44.7	0.6	100.0	37.2	NA
District of Columbia	NA	23.1	0.0	71.1	21.9	0.0	74.1	20.0	0.0
Florida	90.2	30.1	4.0	92.3	29.5	3.2	92.2	29.9	3.3
Georgia	100.0	100.0	27.7	100.0	100.0	25.7	NA	100.0	22.5
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	85.4	37.0	8.4	86.4	39.4	9.8	86.7	NA	NA
Indiana	95.7	66.8	2.5	95.9	68.8	2.7	95.7	66.3	1.8
Iowa	100.0	73.3	3.5	100.0	74.7	4.5	100.0	NA	NA
Kansas	100.0	63.6	1.7	100.0	67.6	1.5	100.0	53.5	8.2
Kentucky	96.3	80.7	19.3	96.7	83.2	18.7	96.9	78.0	17.6
Louisiana	100.0	NA	NA	100.0	NA	NA	100.0	NA	NA
Maine	100.0	64.6	10.6	100.0	63.4	10.9	100.0	57.7	NA
Maryland	75.2	32.3	12.8	73.6	30.5	13.5	74.6	26.1	NA
Massachusetts	98.5	46.2	24.9	98.5	48.1	27.4	98.9	41.6	23.0
Michigan	93.0	59.7	9.0	93.3	62.8	10.7	92.8	55.3	NA
Minnesota	100.0	92.2	17.6	100.0	91.1	21.4	100.0	84.9	15.4
Mississippi	100.0	84.9	NA	100.0	87.7	9.7	NA	84.2	9.6
Missouri	100.0	NA	NA	100.0	79.0	NA	100.0	71.8	NA
Montana	99.3	55.5	2.7	99.4	55.9	2.7	99.6	47.7	NA
Nebraska	87.6	59.4	8.2	87.7	60.4	8.2	87.5	58.3	6.1
Nevada	100.0	69.3	20.0	100.0	69.1	18.7	100.0	58.5	NA
New Hampshire	100.0	56.3	7.2	100.0	57.0	7.4	100.0	53.7	NA
New Jersey	94.5	49.5	NA	94.4	NA	NA	94.3	37.3	NA
New Mexico	100.0	64.1	NA	100.0	57.7	5.6	100.0	54.2	9.2
New York	100.0	100.0	7.9	100.0	100.0	7.6	100.0	100.0	5.8
North Carolina	100.0	84.4	12.6	100.0	87.4	14.1	100.0	NA	10.9
North Dakota	100.0	94.1	27.4	100.0	94.5	35.6	100.0	92.8	30.3
Ohio	NA	100.0	2.6	100.0	100.0	2.3	100.0	100.0	NA
Oklahoma	100.0	52.3	1.1	100.0	53.4	1.4	100.0	NA	NA
Oregon	100.0	95.1	17.5	100.0	95.7	17.9	100.0	NA	15.3
Pennsylvania	87.4	39.7	1.6	NA	41.0	1.9	87.6	37.3	NA
Rhode Island	100.0	53.4	NA	100.0	54.6	4.0	100.0	52.8	3.3
South Carolina	100.0	92.0	42.9	100.0	92.9	40.5	100.0	91.6	41.2
South Dakota	100.0	83.6	6.6	100.0	85.0	6.6	100.0	80.5	4.5
Tennessee	100.0	91.0	23.8	100.0	91.6	24.4	100.0	NA	26.6
Texas	99.8	NA	38.7	NA	NA	NA	NA	NA	NA
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	NA	100.0
Virginia	89.5	53.6	10.8	89.3	59.9	13.5	90.3	52.3	10.3
Washington	100.0	88.0	8.5	100.0	89.5	9.0	NA	NA	6.3
West Virginia	100.0	59.3	10.3	100.0	60.6	9.0	100.0	50.8	NA
Wisconsin	100.0	76.8	18.6	100.0	79.0	21.5	100.0	70.9	16.0
Wyoming	71.0	49.5	2.0	71.7	51.3	NA	NA	52.3	1.8
Total	95.9	69.0	15.1	96.0	70.4	15.0	95.8	64.9	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	2016								
	December			November			October		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	76.2	NA	100.0	NA	24.6	100.0	69.7	25.3
Alaska	100.0	99.1	100.0	100.0	98.9	100.0	100.0	97.5	100.0
Arizona	100.0	83.6	14.1	100.0	80.4	15.2	100.0	78.2	18.5
Arkansas	100.0	NA	1.4	100.0	NA	1.9	100.0	25.8	1.5
California	95.4	54.1	4.1	95.7	52.2	4.5	95.0	49.7	4.3
Colorado	100.0	95.6	9.4	100.0	94.6	7.6	100.0	92.3	NA
Connecticut	96.4	77.6	52.9	95.9	75.7	49.6	95.1	72.7	47.9
Delaware	100.0	36.1	0.5	100.0	29.5	NA	100.0	22.8	NA
District of Columbia	79.3	27.0	0.0	70.3	17.4	0.0	69.9	16.0	0.0
Florida	90.4	29.3	3.3	89.4	29.6	3.4	91.5	29.2	3.1
Georgia	100.0	100.0	24.4	100.0	100.0	23.5	100.0	100.0	22.2
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	67.2	2.2
Illinois	88.2	40.1	9.7	88.1	33.7	5.6	87.1	28.9	4.1
Indiana	95.9	70.9	2.3	95.9	66.6	1.6	95.0	63.8	1.5
Iowa	100.0	74.0	4.2	100.0	69.2	5.8	100.0	65.9	4.3
Kansas	100.0	64.4	1.8	100.0	50.4	4.6	100.0	37.6	5.7
Kentucky	97.5	82.4	18.1	98.1	73.8	16.6	98.0	69.3	16.9
Louisiana	100.0	76.8	NA	100.0	75.0	NA	100.0	73.6	3.2
Maine	100.0	60.4	12.0	100.0	54.3	11.8	100.0	49.8	6.9
Maryland	78.3	31.6	NA	75.9	24.0	7.2	74.4	21.2	2.7
Massachusetts	98.7	46.4	23.5	98.7	38.9	19.7	98.6	31.5	19.3
Michigan	93.3	60.8	9.0	93.2	54.8	5.6	93.1	48.7	3.5
Minnesota	100.0	89.6	18.3	100.0	87.8	18.2	100.0	83.3	16.7
Mississippi	100.0	86.5	9.2	100.0	80.7	9.4	100.0	81.0	10.9
Missouri	100.0	75.6	13.9	100.0	64.1	10.5	100.0	61.3	NA
Montana	99.5	49.3	2.2	99.5	41.7	1.3	99.6	40.6	NA
Nebraska	86.0	56.9	6.4	85.2	47.5	5.6	88.1	57.0	5.2
Nevada	100.0	65.4	NA	100.0	55.7	13.6	100.0	50.0	11.9
New Hampshire	100.0	54.5	6.7	100.0	51.0	4.6	100.0	47.2	2.7
New Jersey	94.4	39.2	9.1	94.4	38.9	5.3	94.6	30.5	3.2
New Mexico	100.0	52.4	10.1	99.9	40.4	14.2	100.0	43.2	13.6
New York	100.0	100.0	5.9	100.0	100.0	4.6	100.0	100.0	4.6
North Carolina	100.0	85.6	12.3	100.0	83.3	10.6	100.0	77.7	9.2
North Dakota	100.0	94.2	26.9	100.0	92.8	34.9	100.0	90.7	38.0
Ohio	100.0	100.0	2.2	100.0	100.0	1.3	100.0	100.0	0.8
Oklahoma	100.0	38.0	0.7	100.0	NA	0.2	100.0	25.5	0.2
Oregon	100.0	95.6	16.9	100.0	94.3	16.0	100.0	94.2	14.8
Pennsylvania	88.0	40.3	1.6	88.9	38.2	0.8	88.1	33.0	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	41.4
South Dakota	100.0	83.3	6.7	100.0	80.8	6.7	100.0	76.4	3.1
Tennessee	100.0	89.6	24.6	100.0	85.0	24.0	100.0	NA	23.1
Texas	99.7	74.9	37.1	99.5	64.4	37.8	99.7	62.8	38.2
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	92.2	63.7	14.3	91.7	46.5	11.1	89.9	45.9	10.9
Washington	100.0	90.3	8.0	100.0	86.5	6.7	100.0	85.4	5.4
West Virginia	100.0	60.6	10.8	100.0	50.8	8.0	100.0	39.0	14.6
Wisconsin	100.0	77.5	19.7	100.0	70.1	17.0	100.0	61.9	14.9
Wyoming	74.6	58.6	2.1	74.0	53.4	1.6	77.6	55.8	1.5
Total	96.0	68.2	14.7	96.0	63.6	14.5	95.9	60.0	14.5

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	73.8	NA	100.0	72.1	24.5	100.0	72.5	24.2
Alaska	100.0	96.5	100.0	100.0	96.6	100.0	100.0	96.2	100.0
Arizona	100.0	79.5	19.8	100.0	79.6	14.3	100.0	80.6	18.5
Arkansas	100.0	28.4	1.6	100.0	26.9	1.1	100.0	26.4	1.2
California	94.8	47.0	3.1	94.4	43.3	3.2	94.9	47.4	3.3
Colorado	100.0	90.6	NA	100.0	89.1	4.3	100.0	90.9	4.6
Connecticut	95.6	71.8	48.8	95.6	69.6	49.8	96.0	71.0	50.0
Delaware	100.0	23.4	0.2	100.0	24.2	0.2	100.0	26.5	0.1
District of Columbia	68.7	13.6	0.0	69.4	14.8	0.0	70.2	15.3	--
Florida	92.4	28.0	3.2	92.5	29.6	3.2	92.5	27.0	3.1
Georgia	NA	100.0	21.0	100.0	100.0	23.9	100.0	100.0	22.9
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	22.1	NA	86.0	NA	2.2	85.7	22.0	NA
Indiana	95.6	56.3	1.0	95.6	50.9	1.0	95.1	53.9	0.9
Iowa	100.0	NA	3.0	100.0	49.1	2.6	100.0	53.8	2.2
Kansas	100.0	30.4	12.8	100.0	29.6	21.4	100.0	32.1	18.0
Kentucky	97.6	66.8	17.3	97.6	64.7	17.6	97.2	67.3	18.2
Louisiana	100.0	76.0	3.1	100.0	75.4	3.1	100.0	NA	2.9
Maine	100.0	53.7	5.1	100.0	46.7	5.7	100.0	49.9	5.6
Maryland	73.5	16.8	2.5	71.7	18.4	1.7	71.5	16.0	1.3
Massachusetts	98.7	24.2	19.5	98.6	23.7	18.4	98.6	27.3	20.6
Michigan	93.6	38.9	NA	92.1	32.8	2.5	92.7	38.4	2.3
Minnesota	100.0	74.3	12.4	100.0	73.8	12.1	100.0	71.9	11.2
Mississippi	100.0	80.3	10.9	100.0	81.2	9.0	100.0	79.6	8.8
Missouri	100.0	60.8	9.2	100.0	59.7	8.4	100.0	60.3	8.1
Montana	99.5	37.2	NA	99.5	37.6	NA	99.5	39.5	NA
Nebraska	88.0	54.1	5.1	90.0	55.8	4.5	88.6	55.9	4.4
Nevada	100.0	48.5	NA	100.0	47.4	NA	100.0	49.0	NA
New Hampshire	100.0	47.2	1.9	100.0	47.4	2.4	100.0	44.2	2.7
New Jersey	94.2	19.4	2.2	94.2	16.5	NA	94.2	22.4	NA
New Mexico	100.0	45.7	10.2	99.9	46.0	13.1	100.0	47.6	10.7
New York	100.0	100.0	4.2	100.0	100.0	4.0	100.0	100.0	5.3
North Carolina	100.0	76.5	10.1	100.0	NA	9.0	100.0	75.2	9.1
North Dakota	100.0	88.8	39.1	100.0	86.1	9.7	100.0	86.6	16.3
Ohio	100.0	100.0	0.7	100.0	100.0	0.7	100.0	100.0	NA
Oklahoma	100.0	27.5	0.4	100.0	26.9	NA	100.0	29.3	NA
Oregon	100.0	92.7	14.9	100.0	92.7	13.7	100.0	NA	13.4
Pennsylvania	88.1	27.2	0.4	87.8	28.0	0.4	87.6	26.8	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	42.1	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	2.4
Tennessee	100.0	79.1	24.6	100.0	77.7	26.8	100.0	79.8	25.6
Texas	99.8	62.5	40.0	99.8	61.3	NA	99.8	64.2	NA
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	87.8	37.3	8.5	87.5	42.8	7.8	87.7	39.9	9.3
Washington	100.0	81.4	5.0	100.0	78.5	4.5	100.0	81.1	4.3
West Virginia	100.0	29.7	13.7	100.0	27.0	11.8	100.0	29.0	10.6
Wisconsin	100.0	51.7	11.9	100.0	49.4	12.2	100.0	48.0	11.5
Wyoming	72.1	51.8	1.7	75.6	53.2	1.4	NA	52.4	1.5
Total	96.0	56.2	14.6	95.8	54.9	14.7	95.9	57.0	14.3

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								
	June			May			April		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	73.4	21.8	100.0	73.2	24.3	100.0	75.9	21.5
Alaska	100.0	97.0	100.0	100.0	98.0	100.0	100.0	98.5	100.0
Arizona	100.0	81.6	20.3	100.0	81.5	15.2	100.0	83.1	14.5
Arkansas	100.0	26.3	1.1	100.0	27.7	1.1	100.0	38.3	1.4
California	94.6	48.4	3.8	95.1	53.3	3.7	94.6	54.2	4.0
Colorado	100.0	91.4	5.3	100.0	93.3	7.1	100.0	93.6	7.1
Connecticut	95.3	71.1	44.5	95.4	73.2	46.4	96.2	75.9	47.1
Delaware	100.0	31.2	0.1	100.0	35.9	0.1	100.0	40.8	0.1
District of Columbia	70.3	15.8	--	70.6	17.0	--	71.8	18.7	--
Florida	92.1	28.3	3.5	91.1	30.3	3.2	90.6	30.4	3.2
Georgia	100.0	100.0	23.2	100.0	100.0	21.6	100.0	100.0	22.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	59.8	2.5	100.0	62.4	2.3	100.0	67.4	2.4
Illinois	86.3	23.8	NA	82.9	24.9	NA	84.7	32.6	5.4
Indiana	94.9	54.1	1.0	95.1	59.7	1.3	95.3	63.8	1.8
Iowa	100.0	57.3	2.4	100.0	62.0	3.5	100.0	69.7	3.4
Kansas	100.0	35.3	13.2	100.0	38.9	5.5	100.0	52.0	7.7
Kentucky	96.3	66.9	19.0	96.2	71.0	17.5	96.2	75.6	18.3
Louisiana	100.0	78.1	3.0	100.0	75.8	3.0	100.0	79.4	3.5
Maine	100.0	50.8	NA	100.0	56.6	NA	100.0	60.5	NA
Maryland	72.3	20.0	2.0	71.6	24.3	4.0	73.6	25.3	6.0
Massachusetts	98.5	28.7	20.8	98.7	36.9	21.5	98.9	43.5	24.7
Michigan	91.7	41.1	2.6	91.7	49.5	4.4	92.6	57.7	6.6
Minnesota	100.0	75.9	10.6	100.0	82.2	13.7	100.0	82.8	11.1
Mississippi	NA	79.9	8.8	100.0	80.2	8.3	NA	82.7	9.2
Missouri	100.0	62.1	8.8	100.0	63.6	8.7	100.0	70.9	12.1
Montana	99.5	44.0	NA	99.5	43.9	1.2	99.6	52.3	NA
Nebraska	87.7	56.6	5.7	85.3	56.4	6.2	86.0	58.4	6.3
Nevada	100.0	51.6	9.2	100.0	53.1	10.7	100.0	55.5	11.7
New Hampshire	100.0	46.5	NA	100.0	50.7	NA	100.0	53.4	NA
New Jersey	94.4	24.3	3.0	94.5	31.5	3.3	94.3	42.8	5.5
New Mexico	99.9	51.5	8.9	100.0	55.3	7.5	100.0	55.9	7.6
New York	100.0	100.0	5.0	100.0	100.0	5.6	100.0	100.0	5.5
North Carolina	100.0	77.3	9.2	100.0	77.9	9.5	100.0	81.0	10.7
North Dakota	100.0	85.0	37.8	100.0	90.4	39.8	100.0	92.7	22.9
Ohio	100.0	100.0	NA	100.0	100.0	0.9	100.0	100.0	NA
Oklahoma	100.0	31.9	NA	100.0	29.6	0.2	100.0	41.9	0.4
Oregon	100.0	92.9	13.5	100.0	93.3	13.6	100.0	93.5	14.9
Pennsylvania	87.1	27.1	NA	86.9	30.2	NA	87.3	35.0	0.9
Rhode Island	100.0	46.6	3.7	100.0	47.1	3.1	100.0	51.2	3.1
South Carolina	100.0	90.7	42.5	100.0	89.4	41.2	100.0	89.9	42.6
South Dakota	100.0	72.3	3.0	100.0	77.0	3.6	100.0	80.5	4.6
Tennessee	100.0	79.9	26.5	100.0	83.7	27.8	100.0	86.0	28.5
Texas	NA	NA	41.4	99.8	63.0	42.1	99.8	69.3	40.8
Utah	100.0	67.5	6.2	100.0	69.4	6.4	100.0	75.9	6.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	87.9	43.5	7.6	88.5	47.7	11.0	88.7	51.3	8.5
Washington	NA	NA	4.4	100.0	81.4	5.3	100.0	81.4	6.3
West Virginia	100.0	28.7	11.8	100.0	32.4	13.7	100.0	52.0	11.5
Wisconsin	100.0	57.5	13.0	100.0	58.7	12.1	100.0	72.1	15.1
Wyoming	72.6	45.8	1.5	73.2	52.5	1.9	71.9	50.6	2.2
Total	95.7	58.1	14.6	95.4	60.4	14.6	95.6	65.1	14.5

^R Revised data.

-- Not applicable.

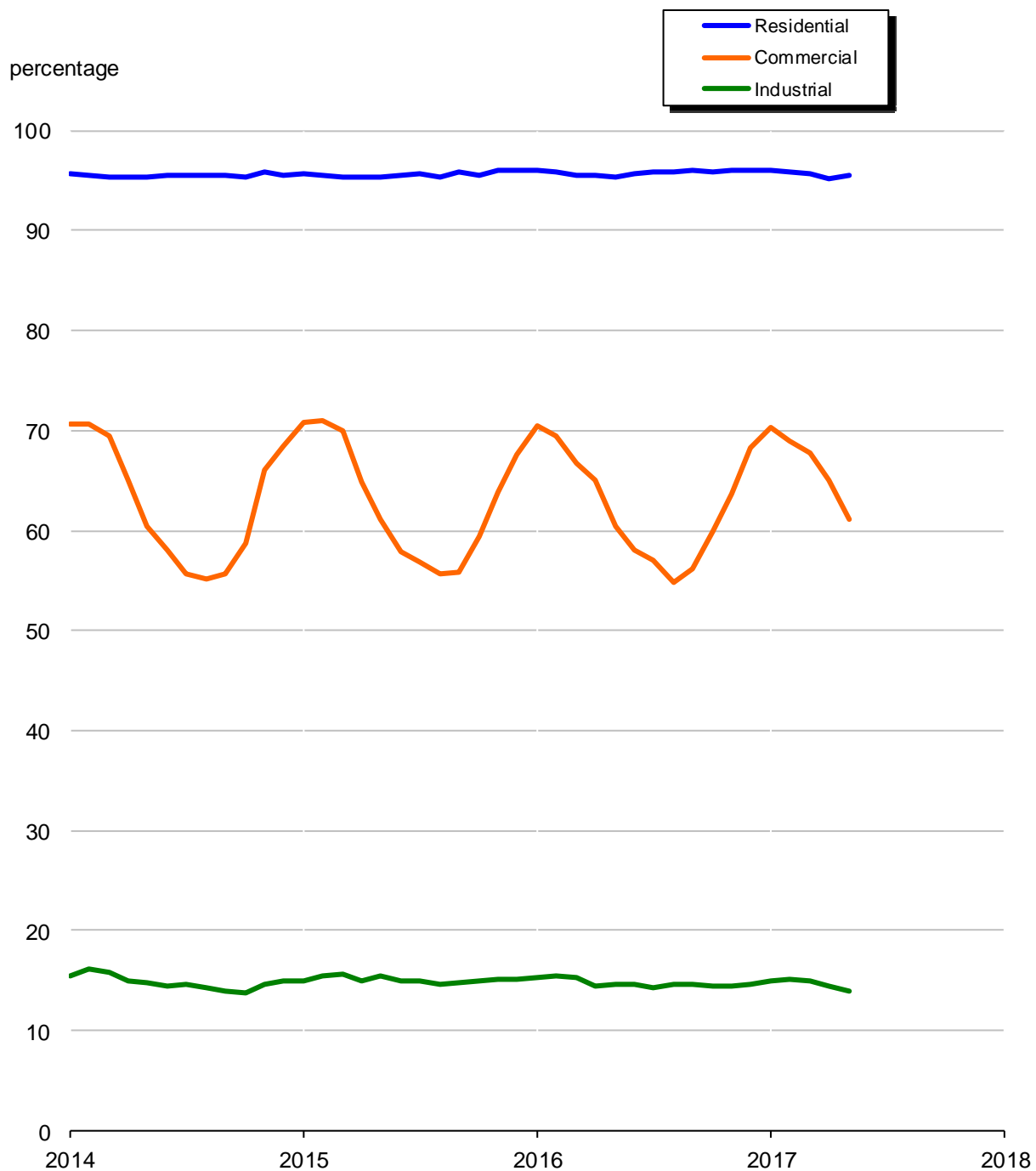
NA Not available.

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

Figure 6



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			
	5-Month YTD	5-Month YTD	5-Month YTD	May	April	March	February
Alabama	1,029	1,028	1,029	1,031	1,030	1,028	1,029
Alaska	998	1,001	1,001	995	994	996	1,000
Arizona	1,040	1,044	1,037	1,038	1,038	1,040	1,043
Arkansas	1,025	1,023	1,029	1,016	1,022	1,017	1,019
California	1,034	1,033	1,033	1,033	1,033	1,034	1,034
Colorado	1,062	1,057	1,050	1,065	1,063	1,062	1,060
Connecticut	1,026	1,026	1,028	1,025	1,025	1,026	1,026
Delaware	1,041	1,044	1,056	1,037	1,041	1,045	1,045
District of Columbia	1,045	1,045	1,045	1,034	1,035	1,047	1,049
Florida	1,024	1,021	1,024	1,024	1,023	1,023	1,025
Georgia	1,031	1,030	1,026	1,033	1,030	1,029	1,033
Hawaii	964	1,003	963	984	959	954	972
Idaho	1,038	1,037	1,031	1,044	1,051	1,037	1,036
Illinois	1,032	1,032	1,029	1,028	1,030	1,030	1,031
Indiana	1,040	1,035	1,031	1,042	1,036	1,034	1,034
Iowa	1,052	1,053	1,047	1,057	1,055	1,052	1,052
Kansas	1,039	1,034	1,036	1,035	1,041	1,037	1,036
Kentucky	1,038	1,026	1,022	1,028	1,030	1,035	1,035
Louisiana	1,034	1,031	1,035	1,022	1,023	1,022	1,022
Maine	1,035	1,029	1,030	1,022	1,026	1,036	1,049
Maryland	1,052	1,053	1,058	1,046	1,043	1,055	1,056
Massachusetts	1,031	1,030	1,032	1,030	1,029	1,031	1,031
Michigan	1,043	1,038	1,028	1,043	1,039	1,042	1,045
Minnesota	1,031	1,040	1,038	1,034	1,032	1,033	1,028
Mississippi	1,034	1,034	1,034	1,032	1,032	1,035	1,035
Missouri	1,022	1,024	1,021	1,021	1,022	1,021	1,022
Montana	1,031	1,028	1,025	1,026	1,032	1,036	1,034
Nebraska	1,056	1,051	1,053	1,063	1,061	1,058	1,060
Nevada	1,039	1,041	1,041	1,035	1,039	1,039	1,040
New Hampshire	1,031	1,032	1,034	1,029	1,028	1,032	1,036
New Jersey	1,041	1,042	1,048	1,037	1,038	1,043	1,042
New Mexico	1,043	1,048	1,037	1,042	1,040	1,042	1,043
New York	1,033	1,032	1,034	1,031	1,032	1,033	1,033
North Carolina	1,036	1,036	1,031	1,040	1,045	1,033	1,032
North Dakota	1,056	1,076	1,048	1,080	1,080	1,078	1,083
Ohio	1,071	1,071	1,065	1,068	1,069	1,072	1,071
Oklahoma	1,044	1,047	1,045	1,041	1,042	1,041	1,043
Oregon	1,044	1,036	1,034	1,079	1,076	1,035	1,035
Pennsylvania	1,039	1,044	1,051	1,038	1,038	1,040	1,040
Rhode Island	1,029	1,029	1,029	1,029	1,029	1,029	1,029
South Carolina	1,030	1,030	1,029	1,032	1,031	1,030	1,031
South Dakota	1,054	1,056	1,047	1,051	1,049	1,050	1,051
Tennessee	1,029	1,033	1,027	1,032	1,029	1,028	1,031
Texas	1,029	1,030	1,030	1,029	1,030	1,026	1,029
Utah	1,043	1,043	1,044	1,042	1,042	1,043	1,043
Vermont	1,032	1,029	1,028	1,024	1,025	1,033	1,036
Virginia	1,052	1,054	1,052	1,051	1,055	1,057	1,052
Washington	1,078	1,076	1,058	1,077	1,080	1,078	1,075
West Virginia	1,086	1,089	1,083	1,094	1,103	1,086	1,089
Wisconsin	1,036	1,040	1,040	1,036	1,034	1,035	1,038
Wyoming	1,065	1,071	1,053	1,052	1,051	1,055	1,066
Total	1,037	1,037	1,036	1,035	1,036	1,037	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	2017						2016
	January	Total	December	November	October	September	August
Alabama	1,028	1,030	1,030	1,030	1,031	1,032	1,031
Alaska	1,000	1,001	1,000	1,000	1,001	1,002	1,003
Arizona	1,042	1,037	1,039	1,034	1,031	1,034	1,035
Arkansas	1,018	1,025	1,019	1,021	1,018	1,020	1,022
California	1,036	1,035	1,034	1,032	1,033	1,037	1,038
Colorado	1,060	1,062	1,059	1,063	1,069	1,075	1,074
Connecticut	1,026	1,026	1,026	1,026	1,026	1,026	1,025
Delaware	1,047	1,042	1,047	1,045	1,046	1,046	1,043
District of Columbia	1,051	1,043	1,045	1,040	1,035	1,038	1,038
Florida	1,024	1,023	1,025	1,024	1,023	1,026	1,026
Georgia	1,030	1,030	1,031	1,030	1,032	1,032	1,029
Hawaii	955	981	954	947	952	945	947
Idaho	1,036	1,033	1,033	1,036	1,035	1,035	1,035
Illinois	1,033	1,032	1,033	1,031	1,029	1,028	1,030
Indiana	1,038	1,039	1,035	1,046	1,048	1,042	1,047
Iowa	1,052	1,055	1,056	1,059	1,059	1,059	1,061
Kansas	1,042	1,036	1,038	1,039	1,037	1,038	1,039
Kentucky	1,037	1,032	1,026	1,039	1,027	1,030	1,038
Louisiana	1,023	1,033	1,023	1,022	1,022	1,026	1,028
Maine	1,037	1,025	1,030	1,018	1,016	1,019	1,026
Maryland	1,054	1,051	1,050	1,045	1,042	1,046	1,051
Massachusetts	1,031	1,030	1,030	1,029	1,029	1,029	1,028
Michigan	1,045	1,041	1,044	1,048	1,047	1,047	1,052
Minnesota	1,028	1,039	1,033	1,033	1,037	1,038	1,036
Mississippi	1,034	1,032	1,033	1,037	1,032	1,034	1,031
Missouri	1,022	1,024	1,024	1,024	1,024	1,023	1,024
Montana	1,036	1,031	1,035	1,039	1,029	1,034	1,033
Nebraska	1,057	1,055	1,059	1,063	1,068	1,069	1,073
Nevada	1,041	1,041	1,041	1,038	1,039	1,044	1,045
New Hampshire	1,032	1,029	1,031	1,027	1,028	1,026	1,026
New Jersey	1,043	1,040	1,042	1,040	1,038	1,038	1,039
New Mexico	1,045	1,047	1,041	1,040	1,039	1,048	1,055
New York	1,033	1,032	1,033	1,031	1,030	1,030	1,029
North Carolina	1,033	1,035	1,032	1,034	1,039	1,037	1,035
North Dakota	1,076	1,061	1,092	1,075	1,072	1,061	1,090
Ohio	1,071	1,070	1,073	1,071	1,072	1,068	1,067
Oklahoma	1,046	1,050	1,053	1,050	1,050	1,053	1,051
Oregon	1,036	1,039	1,038	1,035	1,038	1,038	1,046
Pennsylvania	1,041	1,041	1,040	1,039	1,040	1,041	1,039
Rhode Island	1,029	1,029	1,028	1,028	1,030	1,029	1,028
South Carolina	1,030	1,030	1,031	1,029	1,031	1,030	1,030
South Dakota	1,055	1,055	1,052	1,052	1,053	1,056	1,057
Tennessee	1,032	1,028	1,033	1,035	1,028	1,026	1,025
Texas	1,027	1,031	1,029	1,028	1,030	1,034	1,035
Utah	1,043	1,042	1,043	1,042	1,041	1,041	1,042
Vermont	1,034	1,026	1,029	1,022	1,019	1,016	1,017
Virginia	1,057	1,053	1,054	1,055	1,052	1,053	1,054
Washington	1,076	1,080	1,080	1,083	1,081	1,076	1,085
West Virginia	1,084	1,088	1,085	1,083	1,083	1,103	1,109
Wisconsin	1,041	1,035	1,041	1,033	1,036	1,029	1,026
Wyoming	1,060	1,069	1,057	1,056	1,050	1,054	1,058
Total	1,039	1,037	1,039	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	2016						
	July	June	May	April	March	February	January
Alabama	1,029	1,026	1,028	1,028	1,030	1,025	1,029
Alaska	1,003	1,003	1,002	1,001	1,001	1,000	1,000
Arizona	1,031	1,031	1,037	1,042	1,050	1,047	1,046
Arkansas	1,021	1,020	1,018	1,019	1,017	1,015	1,019
California	1,035	1,042	1,021	1,035	1,034	1,036	1,038
Colorado	1,072	1,071	1,066	1,065	1,055	1,052	1,050
Connecticut	1,025	1,026	1,025	1,026	1,026	1,026	1,026
Delaware	1,044	1,042	1,042	1,044	1,043	1,050	1,055
District of Columbia	1,038	1,034	1,035	1,040	1,043	1,049	1,051
Florida	1,023	1,020	1,021	1,023	1,024	1,025	1,015
Georgia	1,028	1,027	1,030	1,028	1,030	1,030	1,029
Hawaii	967	1,050	1,018	992	1,003	1,004	998
Idaho	1,028	1,035	1,044	1,056	1,044	1,038	1,034
Illinois	1,029	1,027	1,032	1,032	1,030	1,031	1,031
Indiana	1,035	1,042	1,038	1,034	1,032	1,033	1,030
Iowa	1,057	1,058	1,057	1,053	1,052	1,052	1,053
Kansas	1,033	1,034	1,032	1,033	1,033	1,036	1,032
Kentucky	1,033	1,025	1,018	1,026	1,023	1,025	1,027
Louisiana	1,022	1,023	1,022	1,021	1,022	1,025	1,024
Maine	1,023	1,023	1,019	1,024	1,030	1,037	1,035
Maryland	1,052	1,046	1,047	1,048	1,050	1,055	1,061
Massachusetts	1,028	1,029	1,029	1,029	1,030	1,032	1,031
Michigan	1,044	1,041	1,038	1,040	1,036	1,038	1,040
Minnesota	1,034	1,044	1,042	1,041	1,039	1,035	1,043
Mississippi	1,022	1,030	1,036	1,033	1,039	1,032	1,031
Missouri	1,022	1,022	1,021	1,024	1,024	1,023	1,024
Montana	1,028	1,029	1,023	1,023	1,027	1,030	1,033
Nebraska	1,070	1,064	1,064	1,062	1,048	1,054	1,054
Nevada	1,044	1,038	1,039	1,042	1,037	1,042	1,043
New Hampshire	1,026	1,028	1,027	1,029	1,031	1,039	1,035
New Jersey	1,038	1,037	1,037	1,039	1,042	1,043	1,044
New Mexico	1,046	1,049	1,052	1,048	1,048	1,048	1,046
New York	1,029	1,030	1,029	1,033	1,033	1,034	1,033
North Carolina	1,033	1,034	1,038	1,038	1,037	1,034	1,034
North Dakota	1,089	1,070	1,091	1,108	1,099	1,095	1,095
Ohio	1,068	1,069	1,070	1,068	1,070	1,072	1,073
Oklahoma	1,049	1,046	1,047	1,044	1,048	1,047	1,049
Oregon	1,045	1,044	1,043	1,038	1,036	1,034	1,033
Pennsylvania	1,040	1,041	1,042	1,042	1,042	1,045	1,048
Rhode Island	1,028	1,028	1,029	1,034	1,025	1,027	1,032
South Carolina	1,029	1,029	1,030	1,031	1,029	1,031	1,031
South Dakota	1,060	1,058	1,054	1,052	1,053	1,058	1,060
Tennessee	1,025	1,024	1,031	1,031	1,034	1,035	1,035
Texas	1,031	1,027	1,029	1,032	1,030	1,028	1,029
Utah	1,042	1,040	1,041	1,042	1,041	1,043	1,046
Vermont	1,016	1,025	1,023	1,028	1,030	1,032	1,029
Virginia	1,054	1,052	1,054	1,052	1,056	1,055	1,055
Washington	1,085	1,080	1,078	1,078	1,077	1,075	1,070
West Virginia	1,108	1,118	1,096	1,096	1,096	1,096	1,092
Wisconsin	1,026	1,033	1,037	1,038	1,038	1,046	1,045
Wyoming	1,053	1,048	1,053	1,055	1,071	1,052	1,056
Total	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
Alabama	1,030	1,029	1,029	1,030	1,030	1,030	1,032
Alaska	1,001	1,000	1,001	1,001	1,001	1,002	1,002
Arizona	1,040	1,044	1,041	1,042	1,040	1,038	1,038
Arkansas	1,020	1,015	1,014	1,029	1,019	1,022	1,023
California	1,036	1,037	1,037	1,035	1,037	1,037	1,037
Colorado	1,060	1,051	1,060	1,069	1,076	1,069	1,073
Connecticut	1,027	1,026	1,027	1,028	1,026	1,026	1,027
Delaware	1,050	1,049	1,051	1,051	1,043	1,044	1,044
District of Columbia	1,044	1,044	1,039	1,045	1,035	1,036	1,037
Florida	1,024	1,023	1,023	1,023	1,024	1,024	1,026
Georgia	1,027	1,027	1,026	1,028	1,029	1,028	1,030
Hawaii	982	997	996	996	989	965	1,011
Idaho	1,030	1,041	1,035	1,033	1,024	1,028	1,034
Illinois	1,029	1,030	1,030	1,028	1,028	1,027	1,027
Indiana	1,027	1,033	1,034	1,039	1,041	1,044	1,043
Iowa	1,053	1,056	1,057	1,058	1,058	1,059	1,059
Kansas	1,036	1,031	1,035	1,037	1,039	1,042	1,040
Kentucky	1,023	1,024	1,021	1,024	1,020	1,015	1,024
Louisiana	1,025	1,023	1,022	1,023	1,023	1,024	1,028
Maine	1,027	1,027	1,025	1,026	1,019	1,018	1,020
Maryland	1,055	1,050	1,049	1,053	1,050	1,049	1,055
Massachusetts	1,029	1,030	1,029	1,028	1,027	1,028	1,029
Michigan	1,033	1,040	1,041	1,034	1,036	1,035	1,034
Minnesota	1,040	1,041	1,045	1,041	1,039	1,041	1,043
Mississippi	1,030	1,030	1,029	1,028	1,031	1,029	1,030
Missouri	1,012	1,023	1,024	1,025	1,026	1,026	1,026
Montana	1,026	1,034	1,034	1,032	1,032	1,033	1,031
Nebraska	1,057	1,053	1,055	1,060	1,068	1,071	1,068
Nevada	1,042	1,042	1,043	1,043	1,044	1,043	1,044
New Hampshire	1,030	1,030	1,029	1,029	1,028	1,028	1,027
New Jersey	1,045	1,044	1,044	1,041	1,041	1,042	1,043
New Mexico	1,038	1,046	1,042	1,048	1,040	1,049	1,038
New York	1,032	1,033	1,032	1,032	1,032	1,031	1,031
North Carolina	1,035	1,034	1,033	1,040	1,038	1,037	1,038
North Dakota	1,086	1,112	1,097	1,093	1,078	1,095	1,117
Ohio	1,068	1,077	1,077	1,071	1,071	1,068	1,069
Oklahoma	1,047	1,050	1,047	1,049	1,049	1,047	1,050
Oregon	1,036	1,036	1,035	1,036	1,038	1,039	1,039
Pennsylvania	1,047	1,046	1,046	1,045	1,044	1,044	1,044
Rhode Island	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
South Dakota	1,054	1,058	1,053	1,053	1,056	1,060	1,062
Tennessee	1,029	1,034	1,031	1,032	1,025	1,023	1,027
Texas	1,034	1,030	1,033	1,036	1,036	1,035	1,036
Utah	1,044	1,046	1,044	1,044	1,042	1,043	1,043
Vermont	1,025	1,027	1,027	1,030	1,020	1,019	1,022
Virginia	1,052	1,057	1,051	1,053	1,055	1,054	1,056
Washington	1,065	1,073	1,069	1,064	1,066	1,065	1,070
West Virginia	1,097	1,090	1,114	1,090	1,102	1,099	1,099
Wisconsin	1,042	1,044	1,043	1,045	1,034	1,040	1,036
Wyoming	1,060	1,054	1,046	1,040	1,041	1,044	1,042
Total	1,037	1,038	1,038	1,037	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	2015					
	June	May	April	March	February	January
Alabama	1,032	1,031	1,032	1,029	1,026	1,028
Alaska	1,002	1,001	1,002	1,001	1,000	1,000
Arizona	1,036	1,038	1,040	1,036	1,038	1,038
Arkansas	1,020	1,022	1,025	1,023	1,023	1,021
California	1,037	1,033	1,034	1,033	1,035	1,034
Colorado	1,070	1,059	1,059	1,051	1,044	1,046
Connecticut	1,027	1,049	1,026	1,029	1,026	1,017
Delaware	1,055	1,055	1,051	1,062	1,061	1,061
District of Columbia	1,040	1,044	1,044	1,046	1,047	1,045
Florida	1,026	1,026	1,024	1,024	1,025	1,024
Georgia	1,031	1,028	1,026	1,025	1,026	1,025
Hawaii	1,005	990	959	947	954	968
Idaho	1,010	1,000	1,023	1,030	1,037	1,047
Illinois	1,027	1,029	1,028	1,029	1,030	1,027
Indiana	1,043	1,037	1,039	1,031	1,029	1,028
Iowa	1,060	1,054	1,051	1,047	1,047	1,045
Kansas	1,039	1,044	1,036	1,035	1,034	1,033
Kentucky	1,021	1,023	1,016	1,015	1,018	1,023
Louisiana	1,027	1,028	1,029	1,029	1,031	1,030
Maine	1,020	1,022	1,025	1,030	1,035	1,033
Maryland	1,057	1,058	1,051	1,058	1,061	1,059
Massachusetts	1,027	1,027	1,029	1,030	1,035	1,035
Michigan	1,033	1,028	1,035	1,030	1,026	1,027
Minnesota	1,047	1,044	1,037	1,033	1,034	1,041
Mississippi	1,030	1,032	1,037	1,031	1,033	1,036
Missouri	1,026	1,024	1,026	1,025	1,020	1,017
Montana	1,030	1,019	1,021	1,028	1,029	1,028
Nebraska	1,063	1,061	1,057	1,053	1,054	1,052
Nevada	1,045	1,043	1,043	1,041	1,040	1,040
New Hampshire	1,028	1,028	1,029	1,033	1,041	1,037
New Jersey	1,043	1,043	1,043	1,050	1,050	1,050
New Mexico	1,039	1,038	1,034	1,034	1,038	1,038
New York	1,032	1,032	1,034	1,034	1,035	1,034
North Carolina	1,033	1,035	1,035	1,030	1,028	1,030
North Dakota	1,089	1,084	1,084	1,072	1,078	1,036
Ohio	1,068	1,072	1,073	1,062	1,062	1,065
Oklahoma	1,049	1,048	1,045	1,044	1,043	1,042
Oregon	1,042	1,039	1,035	1,032	1,031	1,031
Pennsylvania	1,046	1,050	1,049	1,049	1,054	1,053
Rhode Island	1,028	1,028	1,029	1,029	1,029	1,029
South Carolina	1,030	1,030	1,029	1,028	1,028	1,030
South Dakota	1,059	1,054	1,051	1,047	1,048	1,048
Tennessee	1,025	1,025	1,027	1,029	1,029	1,028
Texas	1,036	1,036	1,034	1,029	1,028	1,026
Utah	1,043	1,043	1,049	1,047	1,046	1,039
Vermont	1,021	1,021	1,024	1,027	1,035	1,026
Virginia	1,055	1,055	1,045	1,051	1,053	1,056
Washington	1,069	1,065	1,062	1,060	1,054	1,052
West Virginia	1,096	1,107	1,103	1,069	1,084	1,097
Wisconsin	1,040	1,038	1,039	1,040	1,044	1,042
Wyoming	1,045	1,045	1,043	1,042	1,041	1,043
Total	1,037	1,037	1,037	1,036	1,036	1,036

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

Source: Energy Information Administration (EIA): Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," and Form EIA-923, "Power Plant Operations Report."

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 submission by well operators on the monthly Form EIA-914, "Monthly Crude Oil, Lease Condensate and Natural Gas Production Report." For 2014, monthly production volumes are available for only those states/areas that were collected

individually on the EIA-914 survey (Louisiana, New Mexico, Oklahoma, Texas, Wyoming, and the Federal Offshore Gulf of Mexico) and Alaska. Starting in 2015, 10 states (Arkansas, California, Colorado, Kansas, Montana, North Dakota, Ohio, Pennsylvania, Utah, and West Virginia) were added to the EIA-914 data collection and are reported individually. The remaining states/areas (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) are grouped in the "Other States" category. The sum of individual states may not equal total U.S. volumes due to independent rounding. (See the [EIA-914 Methodology](#) for an explanation of the procedure for estimating state gross withdrawals from reported volumes.) Gross withdrawals for the state of Alaska are obtained from summary reports posted by the state of Alaska, Oil and Gas Conservation Commission.

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

Annual Data

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

Note 2. Natural Gas Plant Liquid (NGPL) Production

Monthly Data

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

Annual Data

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

Note 3. Supplemental Gaseous Fuels

Monthly Data

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

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

Annual Data

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

Note 4. Imports and Exports

Monthly and Annual Data – Imports

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

Note 5. Natural Gas Storage

Note that final monthly and annual storage levels, additions, and withdrawal data shown in Table 1 for 2012 through 2013 include both underground and liquefied natural gas (LNG) storage. Beginning in January 2013, U.S. totals include Alaska data. Prior to 2013, totals only included data from the lower 48 states. Beginning in November 2015, new region breakouts of the storage data shown in Tables 12 and 13 were introduced, replacing the Producing, East, and West region breakouts. The states included in each of the new regions are as follows:

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

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

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

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

Pacific Region: California, Oregon, and Washington.

Monthly Data

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

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

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

Annual Data

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

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

Note 6. Consumption

Monthly Data

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

Annual Data

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

Residential, Commercial, and Industrial Consumption

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

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

Vehicle Fuel Use

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

Electric Power Consumption

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

Pipeline and Distribution Use

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

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

Lease and Plant Fuel Consumption

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

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

Note 7. Balancing Item

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

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

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

Note 8. Average Price of Deliveries to Consumers

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

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

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

Monthly Data

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

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

The NGPL composite spot price is calculated as:

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

where:

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

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

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

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

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

Annual Data

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

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

Note 10. Heating Degree-Days

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

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

Note 11. Heat Content

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

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Appendix B Data Sources

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

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

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

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a state border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2016 for report year 2015 totaled approximately 2,036 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Appendix C

Statistical Considerations

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

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

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

Sample Design

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

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

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

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

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

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

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

Estimation Procedures

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

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

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

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

or (1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

$\sigma_e^2 = \sum_{i=1}^n \sigma_{0i}^2 / (n - 1)$, 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, May 2017

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	NA	NA	1.4	NA	0.18	0.19	0.15
Alaska	0.5	2.0	0.0	0.9	0.03	0.31	0.00
Arizona	1.3	3.7	3.8	1.9	0.20	0.15	0.12
Arkansas	4.8	NA	1.8	NA	0.51	0.34	0.64
California	2.3	1.6	0.7	0.8	0.21	0.27	0.22
Colorado	0.4	0.7	0.7	0.4	0.06	0.04	0.06
Connecticut	0.4	0.7	1.2	0.4	0.09	0.00	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	1.2	0.5	0.5	0.53	0.49	0.36
Georgia	0.0	0.0	2.3	0.0	0.00	0.09	0.32
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.6	1.0	0.0	0.2	0.02	0.01	0.00
Illinois	0.8	1.0	2.7	1.1	0.00	0.34	0.36
Indiana	1.9	0.9	0.6	0.5	0.20	0.07	0.42
Iowa	1.8	1.4	2.9	2.3	0.06	0.06	0.33
Kansas	1.8	1.1	1.9	1.4	0.77	0.63	0.24
Kentucky	1.6	1.1	1.0	0.8	0.19	0.10	0.27
Louisiana	2.2	1.9	1.0	1.0	0.26	0.17	NA
Maine	5.2	6.8	0.2	1.9	0.00	0.00	0.00
Maryland	0.7	1.0	2.5	NA	NA	NA	NA
Massachusetts	0.7	2.0	2.5	1.0	0.06	NA	1.21
Michigan	0.7	0.5	3.2	1.2	0.07	0.06	0.12
Minnesota	3.2	2.5	0.4	0.9	0.31	0.20	0.06
Mississippi	2.4	2.1	1.2	1.1	0.31	0.18	0.13
Missouri	1.8	0.6	2.4	1.2	0.10	0.08	0.15
Montana	0.9	0.7	0.0	0.3	0.10	0.14	0.00
Nebraska	2.8	0.7	1.6	1.2	0.08	0.12	0.41
Nevada	0.0	0.0	0.3	0.1	0.00	0.00	0.27
New Hampshire	0.0	0.0	6.4	2.9	0.00	0.00	0.00
New Jersey	0.0	0.0	0.5	0.1	0.00	0.00	0.28
New Mexico	1.5	1.1	4.9	1.7	0.11	0.07	NA
New York	0.0	0.0	1.3	0.0	0.06	0.03	0.35
North Carolina	0.6	0.5	0.3	0.2	0.11	0.12	0.06
North Dakota	1.7	2.2	3.3	2.6	0.00	0.20	0.00
Ohio	0.0	0.0	0.9	0.0	0.23	0.04	NA
Oklahoma	2.7	2.0	1.3	1.1	0.16	0.44	0.63
Oregon	0.0	0.0	1.2	0.7	0.00	0.00	NA
Pennsylvania	0.4	0.8	2.5	1.2	0.00	0.21	NA
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	1.6	2.1	1.3	1.0	0.58	0.12	0.16
South Dakota	2.6	1.8	0.8	0.7	0.15	0.12	0.07
Tennessee	1.1	1.0	1.3	1.0	0.15	0.07	0.09
Texas	1.3	1.1	0.8	0.7	0.19	NA	0.03
Utah	0.2	0.2	0.0	0.1	0.00	0.00	0.00
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.9	2.3	2.5	1.5	0.37	0.85	0.63
Washington	1.0	1.4	1.7	0.9	0.10	NA	0.08
West Virginia	7.0	1.2	1.5	NA	0.14	0.13	NA
Wisconsin	0.7	0.5	1.0	0.6	NA	0.04	0.06
Wyoming	0.8	0.6	2.7	1.9	0.05	0.01	0.02
Total	0.4	0.3	0.3	0.2	0.03	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.