



Independent Statistics & Analysis
U.S. Energy Information
Administration

Natural Gas Monthly

September 2018



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Preface

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

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

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

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

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Highlights

This issue of the *Natural Gas Monthly* (NGM) contains state and national-level estimates of natural gas volume and price data through July 2018.

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.

Revisions to Prior Data

This issue of the NGM contains a substantial number of revisions to 2016 and 2017 data, benchmarking to the data published in the [Natural Gas Annual 2017](#) and [Electric Power Annual 2016](#).

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, 2013-2018

(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
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 Total	32,915	28,772	1,707	27,065	59	935	-547	-268	27,244
2016									
January	R2,823	R2,435	R155	R2,280	5	105	741	R-40	3,092
February	R2,654	R2,311	R147	R2,163	5	89	411	R-16	R2,652
March	R2,825	R2,442	R155	R2,287	5	46	53	R-34	R2,356
April	R2,679	R2,362	R150	R2,211	5	63	-171	R-25	R2,084
May	R2,768	R2,412	R154	R2,259	5	60	-337	R-21	R1,966
June	R2,628	R2,312	R147	R2,165	5	59	-229	R1	R2,001
July	R2,721	R2,409	R153	R2,256	5	76	-139	R-11	R2,187
August	R2,723	R2,390	R152	R2,238	5	48	-130	R48	R2,208
September	R2,626	R2,297	R146	R2,151	5	37	-270	R25	R1,948
October	R2,720	2,365	151	2,214	5	55	R-316	R-32	R1,925
November	R2,678	R2,307	147	R2,161	5	3	39	R-48	R2,159
December	R2,747	R2,358	150	R2,207	5	30	688	R-63	R2,866
Total	R32,592	R28,400	R1,808	R26,592	57	671	R340	R-216	R27,444
2017									
January	R2,749	R2,355	R154	R2,202	5	20	R687	R-13	R2,901
February	R2,505	R2,146	R140	R2,005	5	*	R292	R28	R2,329
March	R2,812	R2,431	R159	R2,272	5	9	R281	R-39	R2,529
April	R2,703	R2,355	R154	R2,201	5	-9	R-236	R-34	R1,928
May	R2,787	R2,430	R159	R2,271	R5	-10	R-348	R-22	R1,897
June	R2,693	R2,370	R155	R2,215	R5	-14	R-287	R-8	R1,912
July	R2,764	R2,479	R162	R2,317	R6	2	R-155	R-37	2,133
August	R2,781	R2,478	R162	R2,316	R6	1	R-201	R-17	R2,105
September	R2,767	R2,434	159	R2,275	5	-21	R-323	R-14	1,923
October	R2,907	R2,550	R166	R2,384	R6	-37	R-254	R-62	R2,037
November	R2,884	R2,535	R165	R2,370	6	-45	R90	R-70	R2,351
December	R3,006	R2,635	R172	R2,463	R6	-22	R707	R-88	R3,066
Total	R33,357	R29,197	R1,906	R27,291	R66	-125	R254	R-375	R27,110
2018									
January	RE2,959	RE2,586	171	RE2,416	R6	3	896	R-2	R3,318
February	RE2,724	RE2,385	163	RE2,222	R6	-36	467	R8	R2,667
March	RE3,048	RE2,673	R188	RE2,485	R6	-18	285	*	R2,758
April	RE2,960	RE2,598	184	RE2,414	R5	-35	-32	R-15	R2,336
May	RE3,082	RE2,713	192	RE2,521	R5	-44	-423	R-16	2,043
June	RE2,957	RE2,643	187	RE2,455	R6	R-32	-348	R-30	R2,051
July	E3,108	E2,783	197	E2,586	5	-54	-186	-15	2,336
2018 7-Month YTD	E20,837	E18,381	1,281	E17,099	39	-216	658	-71	17,510
2017 7-Month YTD	19,012	16,565	1,081	15,483	37	-2	235	-125	15,629
2016 7-Month YTD	19,098	16,683	1,062	15,621	34	499	330	-146	16,337

^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 2013 through 2016 include underground storage and liquefied natural gas storage. Data for January 2017 forward include underground storage only. See Appendix A, Explanatory Note 5, for discussion of computation procedures.

^e Represents quantities lost and imbalances in data due to differences among data sources. Net imports and balancing item for 2014 and 2015 excludes net intransit deliveries. These net intransit deliveries were (in billion cubic feet): 74 for 2017; 70 for 2016; 57 for 2015; 27 for 2014; and 54 for 2013. 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.

* Volume is between -500 MMcf and 500 MMcf.

^E Estimated data.

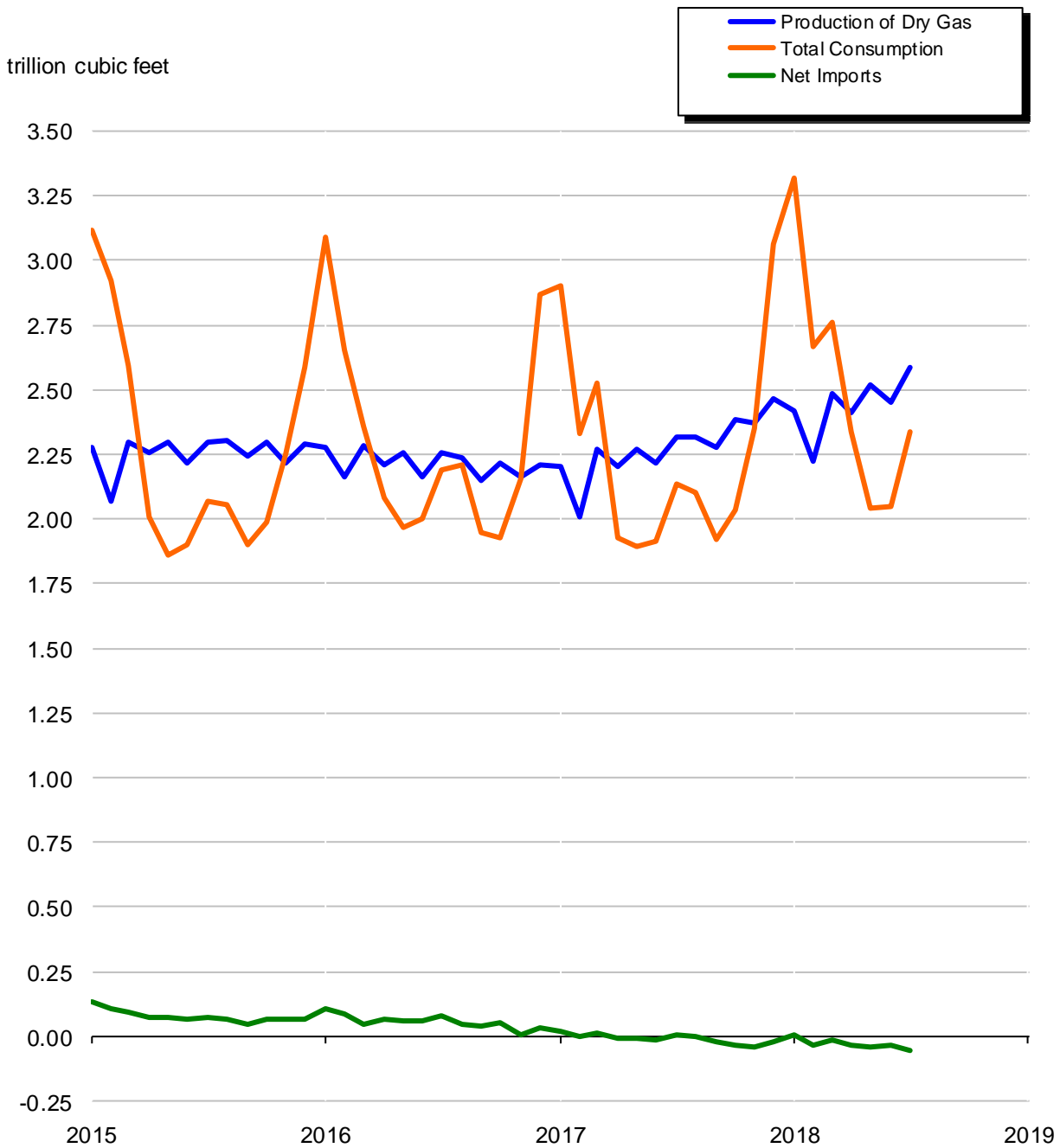
^{RE} Revised estimated data.

Notes: Data for 2013 through 2016 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: 2013-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*. January 2018 through current month: Form EIA-914, "Monthly Crude Oil and 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, 2015-2018



Sources: 2015-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*. January 2018 through current month: Form EIA-914, "Monthly Crude Oil and 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, 2013-2018

(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		
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 Total	1,576	678	4,613	3,202	7,522	9,613	39	24,989	27,244	1,037
2016										
January	R133	R78	879	503	R721	R774	R4	R2,881	3,092	1,038
February	R126	R67	690	R414	R663	R690	3	R2,460	R2,652	1,038
March	R133	R59	455	298	R663	R745	R4	R2,164	R2,356	1,037
April	R128	R52	328	233	620	R719	3	R1,904	R2,084	1,037
May	R131	49	194	171	R613	R804	R4	1,786	R1,966	1,034
June	R126	R50	123	138	590	R970	3	1,825	R2,001	1,034
July	R131	55	106	R135	616	R1,140	4	R2,001	R2,187	1,034
August	R130	R55	100	140	R628	R1,151	4	R2,023	R2,208	1,037
September	R125	R48	110	142	604	915	R3	1,774	R1,948	1,037
October	R129	48	187	191	R623	R744	4	R1,749	R1,925	1,036
November	R126	R54	380	R281	654	R662	R3	R1,980	R2,159	1,037
December	R128	R73	794	R463	R734	R671	4	R2,665	R2,866	1,039
Total	R1,545	R687	R4,347	R3,110	R7,729	R9,985	42	R25,212	R27,444	1,037
2017										
January	R126	R78	R831	R479	R735	647	4	R2,696	R2,901	1,039
February	R115	R63	R579	R359	R650	559	R4	R2,152	R2,329	1,038
March	R130	R68	R580	R372	R697	679	4	R2,331	R2,529	1,037
April	R126	R51	R279	R212	R632	624	4	R1,751	R1,928	1,036
May	R130	R50	R199	R178	R629	706	4	R1,717	R1,897	1,035
June	R127	R50	124	138	R615	854	4	R1,735	R1,912	1,035
July	R133	R56	107	134	R624	1,074	4	R1,943	2,133	1,035
August	R133	R56	104	R137	R638	1,034	4	R1,916	R2,105	1,035
September	R130	R51	115	R145	R616	862	4	R1,742	1,923	1,036
October	R137	R54	R205	201	R657	780	4	R1,847	R2,037	1,035
November	R136	R63	R468	R322	R696	663	4	R2,153	R2,351	1,037
December	R141	R83	R822	R487	R761	768	4	R2,842	R3,066	1,039
Total	R1,564	R722	R4,412	R3,164	R7,949	9,250	R49	R24,824	R27,110	R1,036
2018										
January	RE139	RE88	R975	R548	770	795	E4	R3,091	R3,318	1,038
February	RE128	RE71	687	420	R689	670	E3	R2,468	R2,667	1,037
March	RE143	RE73	R656	R414	R726	743	E4	R2,542	R2,758	1,037
April	RE139	RE62	439	299	R685	708	E4	R2,135	R2,336	1,035
May	RE145	RE54	168	162	R659	851	E4	R1,843	2,043	1,034
June	RE142	RE55	119	141	R637	955	E4	R1,855	R2,051	1,035
July	E149	E62	105	135	652	1,229	E4	2,125	2,336	1,035
2018 7-Month YTD	E985	E466	3,148	2,118	4,819	5,950	E25	16,059	17,510	1,036
2017 7-Month YTD	888	416	2,700	1,872	4,581	5,143	28	14,325	15,629	1,037
2016 7-Month YTD	908	409	2,775	1,892	4,486	5,842	24	15,020	16,337	1,036

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

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

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

^R Revised data.

^E Estimated data.

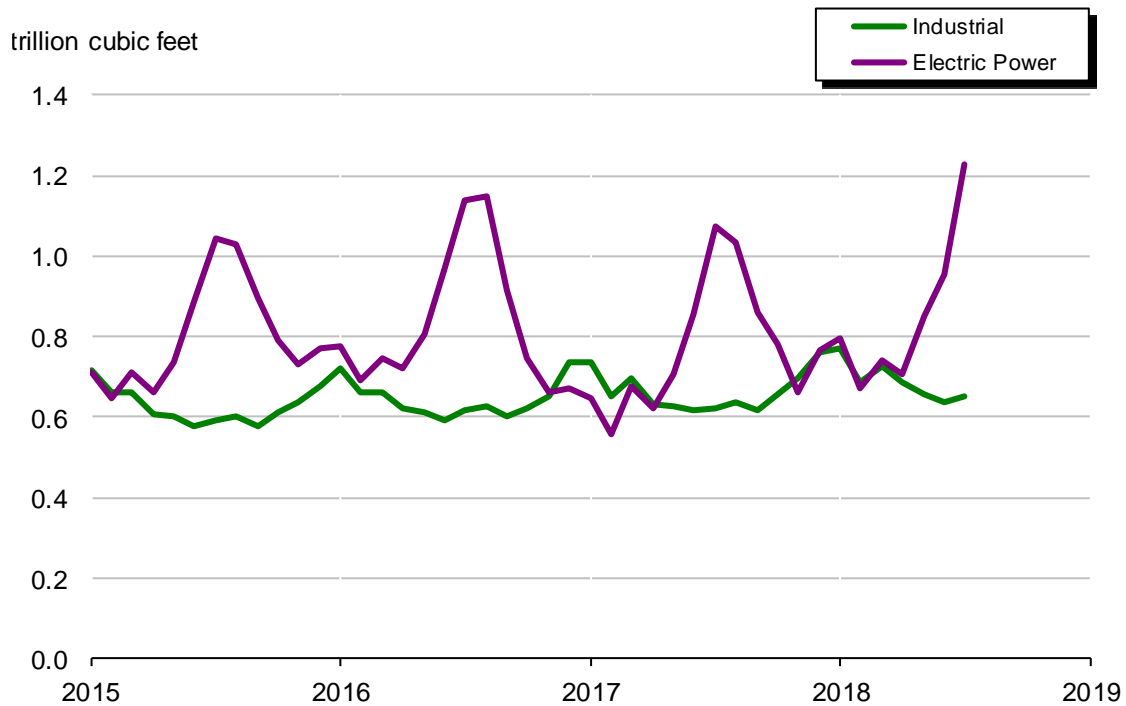
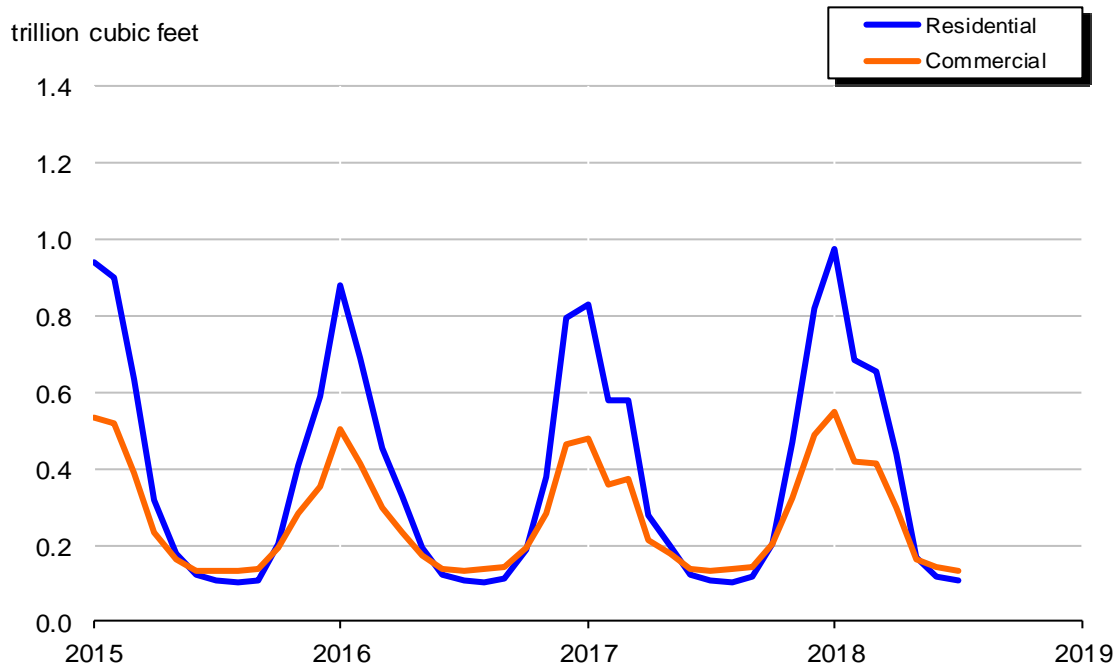
^{RE} Revised estimated data.

Notes: Data for 2013 through 2016 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: 2013-2017: U.S. 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 2017*. January 2018 through current month: Form EIA-914, "Monthly Crude Oil and Lease Condensate, and 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, 2015-2018



Sources: 2015-2017: U.S. 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 2017. January 2018 through current month: Form EIA-857 and Form EIA-923.

Table 3. Selected national average natural gas prices, 2013-2018

(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	
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 Annual Average	4.97	2.62	4.26	10.38	95.6	7.91	65.7	3.93	14.8	3.38
2016										
January	3.69	2.28	3.39	8.28	96.0	6.75	70.4	3.62	15.4	3.18
February	3.89	1.99	3.48	8.36	95.8	6.86	69.4	3.58	15.8	2.83
March	4.48	1.73	3.49	9.19	95.6	7.08	66.7	3.02	15.5	2.33
April	4.65	1.92	3.22	9.65	95.6	6.98	65.0	3.00	14.6	2.52
May	5.11	1.92	3.44	11.62	95.4	7.32	60.2	2.90	14.7	2.49
June	5.25	2.59	3.84	14.43	95.7	7.72	58.0	2.89	14.7	2.77
July	4.92	2.82	4.42	16.56	95.9	8.14	56.9	3.57	14.3	3.07
August	4.94	2.82	4.33	17.60	95.8	8.30	54.7	3.59	14.7	3.07
September	5.25	2.99	4.60	16.78	96.0	8.28	56.2	3.74	14.6	3.18
October	6.05	2.98	4.19	13.74	95.9	7.96	59.9	3.87	14.5	3.23
November	5.45	2.55	3.90	10.77	96.0	7.67	63.5	3.86	14.6	3.14
December	6.66	3.59	3.96	9.06	96.0	7.27	68.2	4.27	15.0	4.15
Annual Average	5.04	2.52	3.71	10.05	95.8	7.28	64.8	3.51	14.9	2.99
2017										
January	6.78	3.30	4.21	9.32	95.9	7.58	70.5	4.87	15.0	4.33
February	7.24	2.85	4.13	10.01	95.8	7.89	69.0	4.56	14.9	3.74
March	5.91	2.88	3.84	9.86	95.7	7.68	67.7	3.94	14.9	3.52
April	6.25	3.10	4.20	11.34	95.2	8.04	65.0	4.13	14.5	3.50
May	6.14	3.15	4.42	13.26	95.5	8.31	60.8	4.03	13.9	3.61
June	5.73	2.97	4.82	16.06	94.4	8.75	58.2	4.06	14.5	3.41
July	6.27	2.98	4.73	17.86	95.8	8.81	57.2	3.93	14.6	3.32
August	7.01	2.90	4.61	18.22	95.6	8.76	55.9	3.79	14.2	3.27
September	7.80	2.98	4.52	16.92	96.1	8.52	56.2	3.84	13.7	3.31
October	7.84	2.88	4.03	13.36	96.4	7.97	61.5	3.79	14.2	3.27
November	8.03	3.01	3.97	10.15	96.0	7.51	65.8	3.85	14.5	3.50
December	7.82	2.82	4.00	9.29	96.5	7.42	69.1	4.21	15.0	3.81
Annual Average	6.92	2.99	4.16	10.91	95.9	7.88	65.4	4.10	14.5	3.52
2018										
January	7.91	3.87	4.29	8.92	96.1	7.43	71.2	4.49	14.9	5.35
February	7.43	2.67	3.99	9.64	96.0	7.83	69.0	4.86	14.6	3.74
March	7.17	2.69	3.71	9.78	95.9	7.74	68.4	4.02	15.0	3.32
April	7.49	2.80	3.64	10.08	95.6	7.67	65.2	3.91	14.8	3.25
May	8.40	2.80	4.14	13.67	94.8	8.47	59.7	3.81	13.8	3.15
June	8.57	2.97	4.46	16.51	95.7	8.59	57.7	3.78	13.8	3.21
July	8.99	2.83	4.67	17.88	95.8	8.92	56.1	3.77	13.6	3.42
2018 7-Month YTD	8.02	2.93	4.03	10.31	95.8	7.84	66.5	4.11	14.4	3.61
2017 7-Month YTD	6.31	3.04	4.20	10.77	95.7	7.94	66.2	4.23	14.6	3.60
2016 7-Month YTD	4.59	2.17	3.50	9.48	95.8	7.06	66.0	3.24	15.0	2.76

^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.

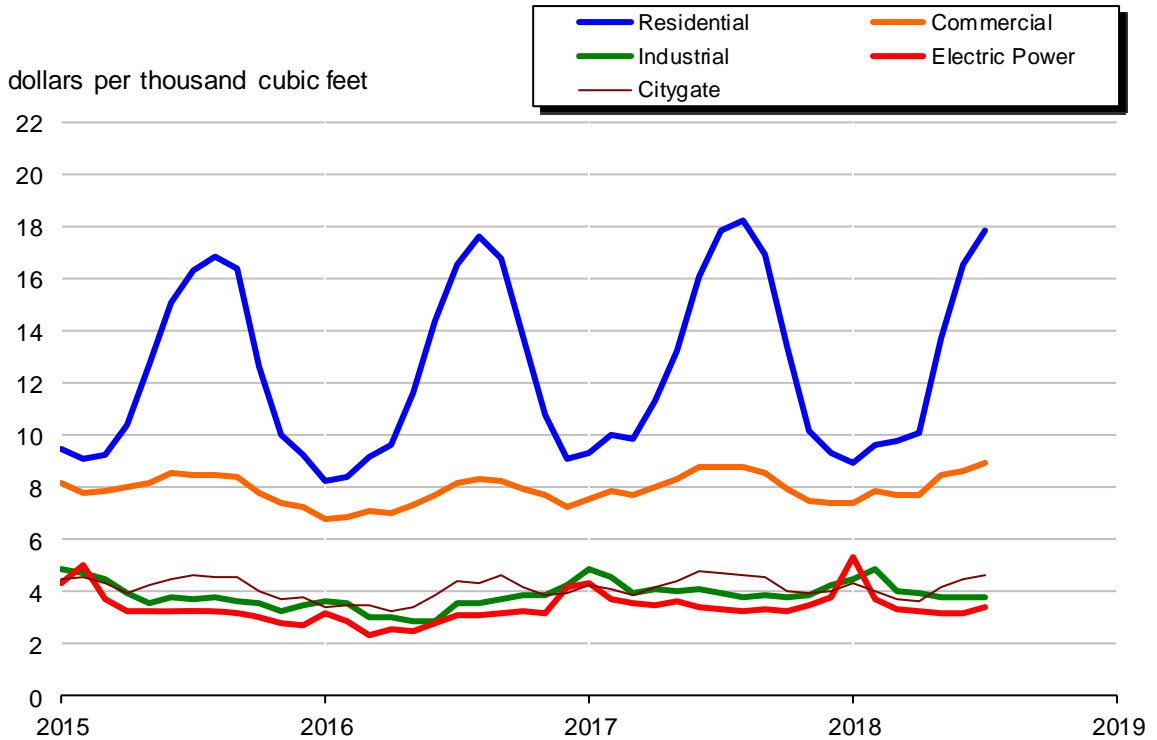
^d The electric power sector comprises electricity-only and combined-heat-and-power plants within the NAICS 22 category whose primary business is to sell electricity, or electricity and heat, to the public. Data include nonregulated members of the electric power sector.

^R Revised data.

Notes: Prices are in nominal dollars. Data for 2013 through 2016 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: 2013-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*. January 2018 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.

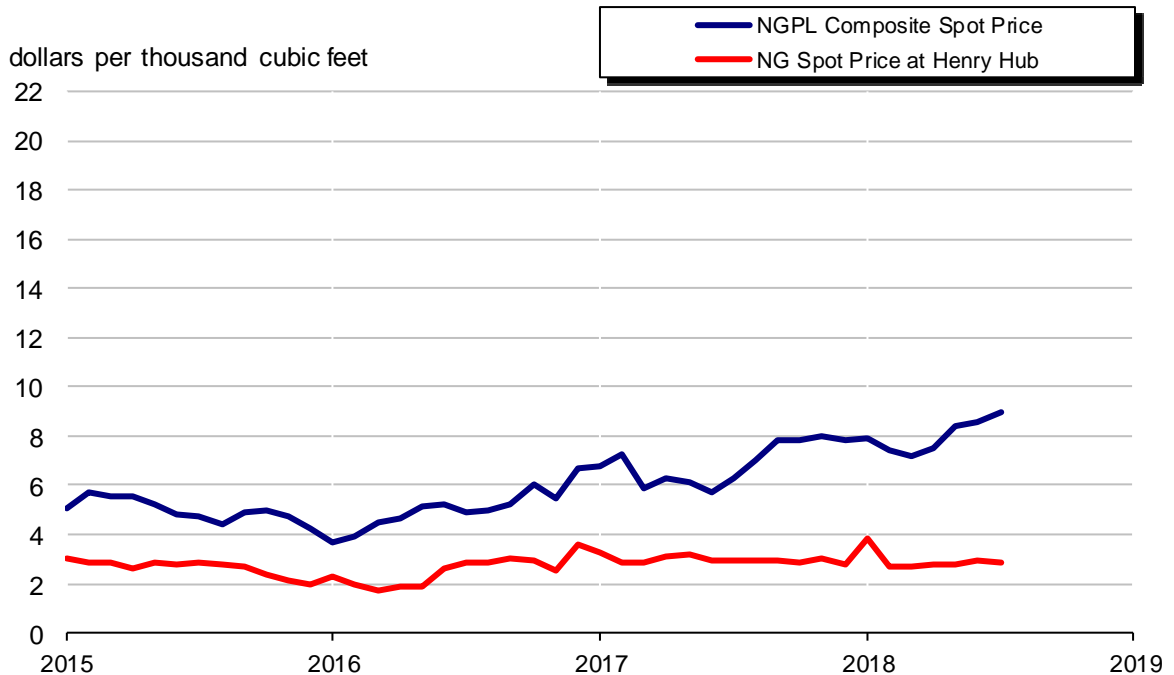
Figure 3. Average citygate and consumer prices of natural gas in the United States, 2015-2018



Note: Prices are in nominal dollars.

Sources: 2015-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*. January 2018 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, 2015-2018



Note: Prices are in nominal dollars.

Sources: 2015-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*. January 2018 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, 2016-2018

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

	2018 7-Month YTD	2017 7-Month YTD	2016 7-Month YTD	2018				
				July	June	May	April	March
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	1,723,490	1,751,202	1,708,251	242,492	226,624	226,355	240,552	267,653
Mexico	2,513	554	515	960	240	190	68	119
Total Pipeline Imports	1,726,003	1,751,756	1,708,766	243,452	226,863	226,545	240,620	267,773
LNG								
By Truck								
Canada	947	866	653	226	216	224	196	54
By Vessel								
France	2,768	0	0	0	0	0	0	2,768
Nigeria	0	2,753	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	37,338	44,181	53,069	5,376	2,688	2,429	2,934	3,650
United Kingdom	3,119	0	0	0	0	0	0	0
Total LNG Imports	44,172	47,800	53,722	5,602	2,904	2,653	3,131	6,473
CNG								
Canada	222	209	193	28	28	27	39	42
Total CNG Imports	222	209	193	28	28	27	39	42
Total Imports	1,770,398	1,799,765	1,762,681	249,082	229,796	229,226	243,789	274,287
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.36	2.69	1.88	2.02	1.77	1.64	2.11	2.17
Mexico	4.21	2.74	1.41	5.32	2.63	2.22	2.10	2.65
Total Pipeline Imports	2.37	2.69	1.88	2.03	1.77	1.64	2.11	2.17
LNG								
By Truck								
Canada	8.22	8.75	8.10	8.32	8.18	8.27	8.30	7.94
By Vessel								
France	8.35	--	--	--	--	--	--	8.35
Nigeria	--	5.82	--	--	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	5.34	4.58	4.05	3.53	4.33	4.27	4.33	6.08
United Kingdom	13.26	--	--	--	--	--	--	--
Total LNG Imports	6.15	4.73	4.10	3.72	4.62	4.61	4.57	7.07
CNG								
Canada	4.29	3.72	2.19	1.31	1.01	1.19	2.69	2.14
Total CNG Imports	4.29	3.72	2.19	1.31	1.01	1.19	2.69	2.14
Total Imports	2.62	2.87	2.07	2.15	1.86	1.73	2.20	2.45
Net Imports - Volume	-215,733	-1,756	498,666	-53,909	R-31,514	-44,069	-35,463	-17,692

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

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

	2018						2017	
	February	January	Total	December	November	October	September	August
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	233,056	286,758	2,962,689	266,192	237,197	241,425	226,738	239,935
Mexico	805	130	1,346	504	76	81	68	63
Total Pipeline Imports	233,861	286,889	2,964,035	266,696	237,273	241,506	226,806	239,997
LNG								
By Truck								
Canada	21	10	1,569	8	165	120	183	226
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	5,992	3,239	0	0	0	0
Norway	0	0	0	0	0	0	0	0
Trinidad/Tobago	6,750	13,511	70,450	7,617	6,213	2,337	2,467	7,636
United Kingdom	0	3,119	0	0	0	0	0	0
Total LNG Imports	6,771	16,640	78,011	10,864	6,378	2,457	2,650	7,862
CNG								
Canada	29	28	345	31	30	22	25	28
Total CNG Imports	29	28	345	31	30	22	25	28
Total Imports	240,661	303,557	3,042,391	277,590	243,681	243,985	229,482	247,888
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.75	3.78	2.55	2.94	2.40	1.98	2.05	2.24
Mexico	4.38	3.38	2.93	3.42	2.44	2.43	2.64	2.31
Total Pipeline Imports	2.76	3.78	2.55	2.94	2.40	1.98	2.05	2.24
LNG								
By Truck								
Canada	7.17	7.94	8.63	8.19	8.12	8.33	8.66	8.69
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	6.52	7.11	--	--	--	--
Norway	--	--	--	--	--	--	--	--
Trinidad/Tobago	5.95	6.18	4.32	4.88	3.47	4.20	3.74	3.19
United Kingdom	--	13.26	--	--	--	--	--	--
Total LNG Imports	5.95	7.51	4.58	5.55	3.59	4.41	4.08	3.34
CNG								
Canada	12.03	10.87	2.95	4.31	1.17	1.06	0.82	0.97
Total CNG Imports	12.03	10.87	2.95	4.31	1.17	1.06	0.82	0.97
Total Imports	3.01	4.40	2.60	3.26	2.52	2.05	2.12	2.38
Net Imports - Volume	-35,614	2,528	-125,466	-21,834	-44,673	-37,374	-20,798	969

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

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

	July	June	May	April	March	February	2017 January	2016 Total
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	245,212	234,061	238,753	232,998	275,573	246,020	278,584	2,916,856
Mexico	80	78	78	79	83	74	83	917
Total Pipeline Imports	245,292	234,140	238,831	233,077	275,656	246,094	278,666	2,917,774
LNG								
By Truck								
Canada	215	212	220	186	8	8	18	924
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	2,753	0
Norway	0	0	0	0	0	0	0	3,253
Trinidad/Tobago	4,974	5,425	5,275	4,985	4,870	8,468	10,183	84,190
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	5,189	5,637	5,494	5,171	4,878	8,477	12,955	88,367
CNG								
Canada	27	29	28	31	34	26	35	299
Total CNG Imports	27	29	28	31	34	26	35	299
Total Imports	250,508	239,805	244,353	238,279	280,567	254,597	291,656	3,006,439
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.31	2.51	2.59	2.53	2.57	2.81	3.41	2.18
Mexico	2.62	2.77	2.62	2.64	2.27	2.94	3.29	1.85
Total Pipeline Imports	2.31	2.51	2.59	2.53	2.57	2.81	3.41	2.18
LNG								
By Truck								
Canada	8.78	8.91	8.88	8.49	7.05	7.22	9.12	8.07
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	5.82	--
Norway	--	--	--	--	--	--	--	3.12
Trinidad/Tobago	3.21	3.37	3.65	3.56	4.34	6.39	5.48	4.06
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	3.44	3.58	3.86	3.74	4.35	6.39	5.56	4.07
CNG								
Canada	1.19	1.64	1.86	1.76	1.91	6.07	10.64	1.97
Total CNG Imports	1.19	1.64	1.86	1.76	1.91	6.07	10.64	1.97
Total Imports	2.40	2.62	2.70	2.64	2.68	3.14	3.75	2.24
Net Imports - Volume	2,080	-13,517	-9,511	-8,973	8,724	-349	19,789	670,991

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

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

	2016							2016
	December	November	October	September	August	July	June	May
Imports								
Volume (million cubic feet)								
Pipeline								
Canada ^a	271,845	221,866	225,588	235,512	253,793	259,132	234,145	243,017
Mexico	64	83	83	82	90	92	83	72
Total Pipeline Imports	271,910	221,949	225,671	235,594	253,883	259,224	234,229	243,088
LNG								
By Truck								
Canada	16	41	58	72	84	70	118	113
By Vessel								
France	0	0	0	0	0	0	0	0
Nigeria	0	0	0	0	0	0	0	0
Norway	0	3,253	0	0	0	0	0	0
Trinidad/Tobago	8,838	5,779	5,696	2,810	7,998	5,703	7,520	5,087
United Kingdom	0	0	0	0	0	0	0	0
Total LNG Imports	8,854	9,073	5,753	2,882	8,082	5,773	7,638	5,200
CNG								
Canada	27	22	25	15	17	25	19	29
Total CNG Imports	27	22	25	15	17	25	19	29
Total Imports	280,791	231,044	231,449	238,491	261,983	265,022	241,885	248,317
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.31	2.41	2.50	2.42	2.29	2.26	1.76	1.44
Mexico	2.56	2.34	2.50	2.43	2.27	2.45	1.41	1.10
Total Pipeline Imports	3.31	2.41	2.50	2.42	2.29	2.26	1.76	1.44
LNG								
By Truck								
Canada	7.51	7.92	7.93	8.04	8.11	7.95	7.80	7.72
By Vessel								
France	--	--	--	--	--	--	--	--
Nigeria	--	--	--	--	--	--	--	--
Norway	--	3.12	--	--	--	--	--	--
Trinidad/Tobago	4.62	5.96	3.05	3.13	3.17	3.15	3.11	3.36
United Kingdom	--	--	--	--	--	--	--	--
Total LNG Imports	4.63	4.95	3.10	3.25	3.23	3.21	3.18	3.45
CNG								
Canada	3.24	0.97	0.72	1.22	1.20	1.62	0.63	1.10
Total CNG Imports	3.24	0.97	0.72	1.22	1.20	1.62	0.63	1.10
Total Imports	3.50	2.70	2.59	2.47	2.42	2.35	1.90	1.55
Net Imports - Volume	29,955	3,125	54,983	36,505	47,757	76,339	58,872	60,043

See footnotes at end of table.

Table 4. U.S. natural gas imports, 2016-2018

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

	2016			
	April	March	February	January
Imports				
Volume (million cubic feet)				
Pipeline				
Canada ^a	236,451	232,095	241,948	261,462
Mexico	71	69	70	59
Total Pipeline Imports	236,522	232,164	242,019	261,521
LNG				
By Truck				
Canada	74	65	116	97
By Vessel				
France	0	0	0	0
Nigeria	0	0	0	0
Norway	0	0	0	0
Trinidad/Tobago	4,693	8,503	9,612	11,951
United Kingdom	0	0	0	0
Total LNG Imports	4,767	8,568	9,728	12,048
CNG				
Canada	28	33	29	30
Total CNG Imports	28	33	29	30
Total Imports	241,317	240,764	251,775	273,600
Average Price (dollars per thousand cubic feet)				
Pipeline				
Canada	1.51	1.55	2.12	2.42
Mexico	1.03	0.82	1.22	1.50
Total Pipeline Imports	1.51	1.55	2.12	2.42
LNG				
By Truck				
Canada	7.88	8.74	8.58	8.21
By Vessel				
France	--	--	--	--
Nigeria	--	--	--	--
Norway	--	--	--	--
Trinidad/Tobago	3.23	3.25	5.08	5.45
United Kingdom	--	--	--	--
Total LNG Imports	3.30	3.29	5.12	5.48
CNG				
Canada	1.05	1.54	3.27	5.41
Total CNG Imports	1.05	1.54	3.27	5.41
Total Imports	1.61	1.73	2.43	2.80
Net Imports - Volume	63,464	45,849	89,019	105,079

^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, 2016-2018

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

	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	449,250	557,063	439,388	57,537	\$51,603	40,340	62,894	68,112
Mexico	946,789	879,882	758,961	147,192	\$136,142	138,128	130,644	132,301
Total Pipeline Exports	1,396,039	1,436,946	1,198,349	204,730	\$187,745	178,468	193,538	200,413
LNG								
Exports								
By Vessel								
Argentina	16,881	16,276	14,471	2,939	0	5,392	5,217	3,333
Bahamas	76	0	0	11	14	11	8	16
Barbados	93	113	19	10	10	13	8	13
Brazil	20,220	7,317	5,263	12,540	0	1,153	3,255	3,272
Chile	30,558	18,708	16,947	6,525	5,865	0	4,987	6,994
China	72,568	24,462	3,132	10,644	2,926	10,416	17,509	10,739
Colombia	4,234	0	0	1,521	1,113	0	1,599	0
Dominican Republic	2,843	2,934	0	0	0	1,023	0	1,821
Egypt	6,554	3,464	0	0	0	0	0	0
India	37,437	10,435	6,461	5,918	6,717	7,118	3,254	10,834
Israel	3,270	0	0	0	0	3,270	0	0
Italy	0	3,120	0	0	0	0	0	0
Japan	57,722	28,986	0	13,438	9,820	12,782	10,967	0
Jordan	24,060	18,420	3,566	0	3,201	10,572	3,293	3,694
Kuwait	6,496	20,213	3,610	0	0	6,496	0	0
Lithuania	0	0	0	0	0	0	0	0
Malta	2,927	867	0	2,927	0	0	0	0
Mexico	126,499	102,093	0	21,237	26,591	13,512	11,074	28,877
Netherlands	3,253	3,042	0	0	0	0	3,253	0
Pakistan	12,956	3,166	0	0	0	3,222	3,258	3,108
Panama	3,518	0	0	0	0	2,077	0	1,442
Poland	0	3,440	0	0	0	0	0	0
Portugal	3,247	12,421	3,700	0	0	0	0	0
South Korea	124,452	38,824	0	14,040	13,994	17,735	17,996	11,079
Spain	3,230	11,984	2,930	3,230	0	0	0	0
Taiwan	13,307	2,949	0	3,234	3,268	0	0	0
Thailand	0	3,113	0	0	0	0	0	0
Turkey	6,992	10,923	0	0	0	0	0	0
United Arab Emirates	0	13,408	3,391	0	0	0	0	0
United Kingdom	6,267	3,410	0	0	0	0	0	6,267
By Truck								
Canada	16	3	2	0	0	0	1	0
Mexico	270	349	178	26	17	6	4	56
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	0	0	1,290	0	0	0	0	0
India	0	0	547	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Total LNG Exports	589,946	364,442	65,508	98,240	73,535	94,797	85,684	91,542
CNG								
Canada	146	134	158	22	29	30	29	24
Total CNG Exports	146	134	158	22	29	30	29	24
Total Exports	1,986,131	1,801,521	1,264,015	302,991	\$261,309	273,295	279,252	291,979

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

	2018						2017	
	February	January	Total	December	November	October	September	August
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	76,908	91,855	917,087	81,050	74,427	68,382	69,823	66,342
Mexico	125,684	136,698	1,543,056	135,756	133,807	132,778	125,724	135,108
Total Pipeline Exports	202,591	228,553	2,460,144	216,807	208,234	201,160	195,548	201,450
LNG								
Exports								
By Vessel								
Argentina	0	0	16,276	0	0	0	0	0
Bahamas	12	4	2	2	0	0	0	0
Barbados	20	20	200	19	20	17	14	16
Brazil	0	0	17,648	0	0	6,967	3,364	0
Chile	3,249	2,938	25,746	3,362	0	3,675	0	0
China	6,750	13,584	103,410	23,433	20,871	24,588	10,056	0
Colombia	0	0	0	0	0	0	0	0
Dominican Republic	0	0	8,691	0	2,835	0	2,922	0
Egypt	0	6,554	6,781	0	0	0	0	3,317
India	0	3,596	20,919	3,427	7,057	0	0	0
Israel	0	0	0	0	0	0	0	0
Italy	0	0	6,493	0	0	0	0	3,372
Japan	7,099	3,615	53,218	13,893	0	6,725	0	3,614
Jordan	3,300	0	36,321	7,135	0	3,373	0	7,393
Kuwait	0	0	20,213	0	0	0	0	0
Lithuania	0	0	6,844	0	0	0	3,414	3,431
Malta	0	0	867	0	0	0	0	0
Mexico	14,777	10,431	140,321	3,635	10,760	6,686	10,286	6,860
Netherlands	0	0	3,042	0	0	0	0	0
Pakistan	0	3,368	3,166	0	0	0	0	0
Panama	0	0	0	0	0	0	0	0
Poland	0	0	3,440	0	0	0	0	0
Portugal	0	3,247	19,523	0	3,702	0	0	3,399
South Korea	28,322	21,286	130,185	20,810	21,141	21,577	17,514	10,320
Spain	0	0	29,329	3,370	3,617	2,980	3,666	3,712
Taiwan	6,806	0	9,004	0	2,934	3,121	0	0
Thailand	0	0	3,113	0	0	0	0	0
Turkey	3,279	3,714	24,855	3,413	7,076	0	3,443	0
United Arab Emirates	0	0	13,408	0	0	0	0	0
United Kingdom	0	0	3,410	0	0	0	0	0
By Truck								
Canada	15	0	5	0	2	0	0	0
Mexico	56	105	691	105	86	65	53	33
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0	0
India	0	0	0	0	0	0	0	0
Mexico	0	0	422	0	0	422	0	0
Total LNG Exports	73,684	72,463	707,542	82,604	80,100	80,195	54,733	45,468
CNG								
Canada	0	13	171	13	20	4	0	1
Total CNG Exports	0	13	171	13	20	4	0	1
Total Exports	276,275	301,029	3,167,857	299,424	288,354	281,359	250,280	246,919

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

							2017	2016
	July	June	May	April	March	February	January	Total
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	59,760	66,725	63,949	80,532	99,489	87,798	98,811	771,094
Mexico	135,068	134,118	129,110	116,027	128,774	115,089	121,696	1,377,305
Total Pipeline Exports	194,828	200,844	193,058	196,559	228,263	202,887	220,508	2,148,399
LNG								
Exports								
By Vessel								
Argentina	0	2,949	3,192	10,135	0	0	0	16,661
Bahamas	0	0	0	0	0	0	0	0
Barbados	10	16	15	15	20	15	22	100
Brazil	3,642	0	3,676	0	0	0	0	9,196
Chile	3,256	3,657	0	5,894	2,951	2,950	0	29,405
China	7,218	0	3,514	0	0	10,338	3,391	17,221
Colombia	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	2,934	0	0	2,945
Egypt	3,464	0	0	0	0	0	0	3,606
India	0	3,413	0	0	0	3,399	3,623	16,915
Israel	0	0	0	0	0	0	0	0
Italy	0	3,120	0	0	0	0	0	3,328
Japan	0	3,683	3,667	7,398	0	3,705	10,533	11,137
Jordan	0	0	3,453	0	6,655	2,945	5,368	9,870
Kuwait	3,410	0	3,281	6,784	3,360	3,378	0	7,068
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	867	0
Mexico	14,432	24,763	10,023	13,730	10,728	14,407	14,010	27,470
Netherlands	0	0	3,042	0	0	0	0	0
Pakistan	0	0	0	0	3,166	0	0	0
Panama	0	0	0	0	0	0	0	0
Poland	0	0	3,440	0	0	0	0	0
Portugal	3,662	0	3,625	0	0	1,692	3,442	3,700
South Korea	14,238	7,431	6,818	3,295	7,042	0	0	10,166
Spain	217	0	0	0	0	1,766	10,002	2,930
Taiwan	0	0	2,949	0	0	0	0	0
Thailand	0	0	0	0	3,113	0	0	0
Turkey	0	0	0	0	3,521	7,402	0	8,762
United Arab Emirates	0	0	10,062	3,347	0	0	0	3,391
United Kingdom	0	3,410	0	0	0	0	0	0
By Truck								
Canada	0	0	0	0	3	0	0	2
Mexico	44	19	26	70	61	44	85	375
Re-Exports								
By Vessel								
Argentina	0	0	0	0	0	0	0	612
Brazil	0	0	0	0	0	0	0	1,433
India	0	0	0	0	0	0	0	547
Mexico	0	0	0	0	0	0	0	0
Total LNG Exports	53,592	52,462	60,782	50,669	43,553	52,042	51,342	186,841
CNG								
Canada	8	16	23	24	27	18	19	208
Total CNG Exports	8	16	23	24	27	18	19	208
Total Exports	248,428	253,322	253,864	247,251	271,843	254,946	271,868	2,335,448

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

								2016
	December	November	October	September	August	July	June	May
Exports								
Volume (million cubic feet)								
Pipeline								
Canada	97,178	74,544	43,471	61,499	55,012	49,750	50,715	62,768
Mexico	111,815	120,378	129,984	123,722	132,446	123,173	115,836	115,606
Total Pipeline Exports	208,993	194,922	173,455	185,222	187,458	172,923	166,551	178,375
LNG								
Exports								
By Vessel								
Argentina	0	0	0	0	2,190	0	8,161	0
Bahamas	0	0	0	0	0	0	0	0
Barbados	22	18	15	14	11	8	2	1
Brazil	0	0	0	0	3,933	0	0	0
Chile	0	2,940	0	0	9,518	6,074	4,643	6,230
China	6,747	7,341	0	0	0	3,132	0	0
Colombia	0	0	0	0	0	0	0	0
Dominican Republic	0	0	0	0	2,945	0	0	0
Egypt	3,606	0	0	0	0	0	0	0
India	0	3,115	0	3,639	3,701	0	3,617	0
Israel	0	0	0	0	0	0	0	0
Italy	0	3,328	0	0	0	0	0	0
Japan	11,137	0	0	0	0	0	0	0
Jordan	0	0	2,942	3,362	0	3,566	0	0
Kuwait	0	0	0	3,458	0	0	0	3,610
Lithuania	0	0	0	0	0	0	0	0
Malta	0	0	0	0	0	0	0	0
Mexico	7,169	13,300	0	3,315	3,686	0	0	0
Netherlands	0	0	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0	0	0
Panama	0	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0	0
South Korea	10,166	0	0	0	0	0	0	0
Spain	0	0	0	0	0	2,930	0	0
Taiwan	0	0	0	0	0	0	0	0
Thailand	0	0	0	0	0	0	0	0
Turkey	2,936	2,886	0	2,941	0	0	0	0
United Arab Emirates	0	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0	0
By Truck								
Canada	0	0	1	0	0	0	0	0
Mexico	42	48	42	35	30	28	22	33
Re-Exports								
By Vessel								
Argentina	0	0	0	0	612	0	0	0
Brazil	0	0	0	0	142	0	0	0
India	0	0	0	0	0	0	0	0
Mexico	0	0	0	0	0	0	0	0
Total LNG Exports	41,825	32,976	3,000	16,764	26,768	15,739	16,445	9,874
CNG								
Canada	18	22	11	0	0	20	18	25
Total CNG Exports	18	22	11	0	0	20	18	25
Total Exports	250,836	227,919	176,466	201,986	214,226	188,682	183,013	188,274

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

	2016			
	April	March	February	January
Exports				
Volume (million cubic feet)				
Pipeline				
Canada	62,931	81,403	62,192	69,629
Mexico	104,857	103,413	97,234	98,841
Total Pipeline Exports	167,789	184,816	159,426	168,470
LNG				
Exports				
By Vessel				
Argentina	6,310	0	0	0
Bahamas	0	0	0	0
Barbados	3	2	2	0
Brazil	0	3,270	1,993	0
Chile	0	0	0	0
China	0	0	0	0
Colombia	0	0	0	0
Dominican Republic	0	0	0	0
Egypt	0	0	0	0
India	0	2,844	0	0
Israel	0	0	0	0
Italy	0	0	0	0
Japan	0	0	0	0
Jordan	0	0	0	0
Kuwait	0	0	0	0
Lithuania	0	0	0	0
Malta	0	0	0	0
Mexico	0	0	0	0
Netherlands	0	0	0	0
Pakistan	0	0	0	0
Panama	0	0	0	0
Poland	0	0	0	0
Portugal	3,700	0	0	0
South Korea	0	0	0	0
Spain	0	0	0	0
Taiwan	0	0	0	0
Thailand	0	0	0	0
Turkey	0	0	0	0
United Arab Emirates	0	3,391	0	0
United Kingdom	0	0	0	0
By Truck				
Canada	0	0	0	2
Mexico	23	24	24	25
Re-Exports				
By Vessel				
Argentina	0	0	0	0
Brazil	0	0	1,290	0
India	0	547	0	0
Mexico	0	0	0	0
Total LNG Exports	10,036	10,078	3,309	26
CNG				
Canada	28	21	22	25
Total CNG Exports	28	21	22	25
Total Exports	177,853	194,915	162,757	168,521

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.11	3.22	2.27	2.83	2.75	2.63	2.90	2.63
Mexico	3.17	3.23	2.28	3.03	3.03	3.09	3.01	3.00
Total Pipeline Exports	3.15	3.23	2.28	2.97	2.96	2.99	2.97	2.87
LNG								
Exports								
By Vessel								
Argentina	5.63	4.64	4.47	6.91	--	4.59	5.56	6.28
Bahamas	10.39	--	--	10.39	10.39	10.39	10.39	10.39
Barbados	10.39	10.40	10.60	10.39	10.39	10.39	10.39	10.39
Brazil	6.25	4.43	3.72	5.90	--	6.48	6.33	7.46
Chile	4.38	6.12	5.10	6.77	3.44	--	4.76	3.15
China	4.37	4.48	5.66	3.53	6.56	4.31	3.67	4.20
Colombia	4.52	--	--	6.70	3.44	--	3.21	--
Dominican Republic	4.46	5.59	--	--	--	6.80	--	3.15
Egypt	3.27	6.26	--	--	--	--	--	--
India	4.71	4.48	4.42	6.83	3.44	3.37	6.33	5.22
Israel	6.48	--	--	--	--	6.48	--	--
Italy	--	4.38	--	--	--	--	--	--
Japan	6.31	6.86	--	6.86	6.34	7.11	4.95	--
Jordan	4.38	4.82	5.81	--	6.85	3.37	6.63	3.15
Kuwait	6.76	4.38	3.27	--	--	6.76	--	--
Lithuania	--	--	--	--	--	--	--	--
Malta	6.70	4.70	--	6.70	--	--	--	--
Mexico	4.50	5.13	--	4.06	4.58	5.47	3.98	4.32
Netherlands	6.33	6.35	--	--	--	--	6.33	--
Pakistan	5.60	3.14	--	--	--	6.63	6.33	6.28
Panama	5.30	--	--	--	--	6.80	--	3.15
Poland	--	4.26	--	--	--	--	--	--
Portugal	3.27	6.70	3.58	--	--	--	--	--
South Korea	4.39	4.18	--	3.58	3.44	3.84	3.66	3.15
Spain	6.70	6.41	4.92	6.70	--	--	--	--
Taiwan	6.25	4.43	--	6.70	6.56	--	--	--
Thailand	--	3.14	--	--	--	--	--	--
Turkey	3.77	6.16	--	--	--	--	--	--
United Arab Emirates	--	3.87	4.18	--	--	--	--	--
United Kingdom	5.89	3.87	--	--	--	--	--	5.89
By Truck								
Canada	13.40	8.39	7.41	--	--	--	7.79	--
Mexico	7.87	9.18	9.71	8.80	7.04	7.18	6.40	8.03
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	3.54	--	--	--	--	--
India	--	--	3.98	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Total LNG Exports	4.86	5.10	4.58	5.28	4.65	5.03	4.56	4.45
CNG								
Canada	4.01	5.20	3.30	2.88	2.63	2.75	4.29	3.48
Total CNG Exports	4.01	5.20	3.30	2.88	2.63	2.75	4.29	3.48
Total Exports	3.66	3.61	2.40	3.72	3.43	3.70	3.46	3.37

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

	2018				2017			
	February	January	Total	December	November	October	September	August
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.16	4.18	3.12	3.19	2.99	2.78	2.88	2.84
Mexico	3.41	3.64	3.26	3.34	3.29	3.28	3.29	3.27
Total Pipeline Exports	3.31	3.86	3.20	3.28	3.18	3.11	3.14	3.13
LNG								
Exports								
By Vessel								
Argentina	--	--	4.64	--	--	--	--	--
Bahamas	10.39	10.39	10.40	10.40	--	--	--	--
Barbados	10.39	10.39	10.40	10.40	10.40	10.40	10.40	10.40
Brazil	--	--	4.15	--	--	4.14	3.55	--
Chile	4.34	3.27	5.43	3.68	--	3.56	--	--
China	5.93	4.84	4.32	4.87	4.60	3.56	3.99	--
Colombia	--	--	--	--	--	--	--	--
Dominican Republic	--	--	4.15	--	3.30	--	3.55	--
Egypt	--	3.27	4.93	--	--	--	--	3.55
India	--	3.27	4.84	6.80	4.41	--	--	--
Israel	--	--	--	--	--	--	--	--
Italy	--	--	3.95	--	--	--	--	3.55
Japan	7.46	3.27	6.13	5.87	--	3.56	--	6.14
Jordan	4.34	--	4.40	3.68	--	5.45	--	3.55
Kuwait	--	--	4.38	--	--	--	--	--
Lithuania	--	--	3.84	--	--	--	3.55	4.13
Malta	--	--	4.70	--	--	--	--	--
Mexico	4.85	4.43	4.93	3.68	4.85	5.54	3.98	3.55
Netherlands	--	--	6.35	--	--	--	--	--
Pakistan	--	3.27	3.14	--	--	--	--	--
Panama	--	--	--	--	--	--	--	--
Poland	--	--	4.26	--	--	--	--	--
Portugal	--	3.27	5.65	--	3.29	--	--	4.38
South Korea	5.85	5.31	4.18	4.20	4.60	4.15	4.05	3.59
Spain	--	--	4.94	5.73	3.29	3.56	3.55	3.55
Taiwan	5.89	--	4.77	--	6.41	3.56	--	--
Thailand	--	--	3.14	--	--	--	--	--
Turkey	4.34	3.27	4.84	3.68	3.98	--	3.55	--
United Arab Emirates	--	--	3.87	--	--	--	--	--
United Kingdom	--	--	3.87	--	--	--	--	--
By Truck								
Canada	13.63	19.21	8.05	--	7.35	--	--	--
Mexico	8.43	7.49	8.74	8.11	7.94	8.43	8.67	8.94
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	--
Brazil	--	--	--	--	--	--	--	--
India	--	--	--	--	--	--	--	--
Mexico	--	--	5.00	--	--	5.00	--	--
Total LNG Exports	5.62	4.34	4.69	4.74	4.47	4.02	3.88	3.88
CNG								
Canada	--	12.47	4.76	6.53	1.38	1.00	--	2.50
Total CNG Exports	--	12.47	4.76	6.53	1.38	1.00	--	2.50
Total Exports	3.93	3.97	3.54	3.68	3.54	3.37	3.30	3.27

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

							2017	2016
	July	June	May	April	March	February	January	Total
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	2.90	3.02	3.16	3.19	3.01	3.22	3.85	2.60
Mexico	3.22	3.13	3.20	3.27	2.93	3.24	3.66	2.64
Total Pipeline Exports	3.12	3.10	3.19	3.24	2.97	3.23	3.74	2.63
LNG								
Exports								
By Vessel								
Argentina	--	3.87	4.77	4.82	--	--	--	4.47
Bahamas	--	--	--	--	--	--	--	--
Barbados	10.40	10.40	10.40	10.40	10.40	10.40	10.40	10.12
Brazil	4.23	--	4.63	--	--	--	--	4.39
Chile	3.67	6.46	--	6.65	6.26	7.18	--	5.30
China	3.67	--	4.62	--	--	4.92	4.70	4.16
Colombia	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	5.59	--	--	5.41
Egypt	6.26	--	--	--	--	--	--	6.46
India	--	4.67	--	--	--	4.06	4.70	4.92
Israel	--	--	--	--	--	--	--	--
Italy	--	4.38	--	--	--	--	--	6.32
Japan	--	6.99	6.88	6.92	--	7.18	6.65	3.76
Jordan	--	--	3.76	--	4.42	4.06	6.41	5.11
Kuwait	4.51	--	4.77	4.19	3.14	5.50	--	4.40
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	4.70	--
Mexico	4.17	4.40	4.67	4.31	5.25	6.40	7.15	4.56
Netherlands	--	--	6.35	--	--	--	--	--
Pakistan	--	--	--	--	3.14	--	--	--
Panama	--	--	--	--	--	--	--	--
Poland	--	--	4.26	--	--	--	--	--
Portugal	6.26	--	6.35	--	--	7.18	7.29	3.58
South Korea	3.67	3.87	4.88	6.39	3.81	--	--	5.75
Spain	6.26	--	--	--	--	7.18	6.28	4.92
Taiwan	--	--	4.43	--	--	--	--	--
Thailand	--	--	--	--	3.14	--	--	--
Turkey	--	--	--	--	4.60	6.91	--	3.53
United Arab Emirates	--	--	3.89	3.80	--	--	--	4.18
United Kingdom	--	3.87	--	--	--	--	--	--
By Truck								
Canada	--	--	--	--	8.39	--	--	7.50
Mexico	8.79	9.04	8.90	8.95	8.64	9.97	9.66	9.81
Re-Exports								
By Vessel								
Argentina	--	--	--	--	--	--	--	4.51
Brazil	--	--	--	--	--	--	--	3.64
India	--	--	--	--	--	--	--	3.98
Mexico	--	--	--	--	--	--	--	--
Total LNG Exports	4.26	4.61	4.80	5.16	4.47	5.99	6.44	4.71
CNG								
Canada	2.72	3.14	3.39	3.35	3.32	7.73	12.97	3.30
Total CNG Exports	2.72	3.14	3.39	3.35	3.32	7.73	12.97	3.30
Total Exports	3.37	3.41	3.57	3.63	3.21	3.79	4.25	2.79

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

								2016
	December	November	October	September	August	July	June	May
Exports								
Average Price (dollars per thousand cubic feet)								
Pipeline								
Canada	3.82	2.71	2.72	2.83	2.65	2.73	2.23	1.98
Mexico	3.51	2.75	3.16	3.06	2.92	2.80	2.46	2.06
Total Pipeline Exports	3.65	2.74	3.05	2.99	2.84	2.78	2.39	2.03
LNG								
Exports								
By Vessel								
Argentina	--	--	--	--	4.51	--	4.71	--
Bahamas	--	--	--	--	--	--	--	--
Barbados	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Brazil	--	--	--	--	5.29	--	--	--
Chile	--	5.64	--	--	5.53	5.82	4.69	4.72
China	4.50	3.21	--	--	--	5.66	--	--
Colombia	--	--	--	--	--	--	--	--
Dominican Republic	--	--	--	--	5.41	--	--	--
Egypt	6.46	--	--	--	--	--	--	--
India	--	5.74	--	5.00	5.01	--	4.77	--
Israel	--	--	--	--	--	--	--	--
Italy	--	6.32	--	--	--	--	--	--
Japan	3.76	--	--	--	--	--	--	--
Jordan	--	--	3.52	5.74	--	5.81	--	--
Kuwait	--	--	--	5.58	--	--	--	3.27
Lithuania	--	--	--	--	--	--	--	--
Malta	--	--	--	--	--	--	--	--
Mexico	4.14	4.64	--	5.53	4.23	--	--	--
Netherlands	--	--	--	--	--	--	--	--
Pakistan	--	--	--	--	--	--	--	--
Panama	--	--	--	--	--	--	--	--
Poland	--	--	--	--	--	--	--	--
Portugal	--	--	--	--	--	--	--	--
South Korea	5.75	--	--	--	--	--	--	--
Spain	--	--	--	--	--	4.92	--	--
Taiwan	--	--	--	--	--	--	--	--
Thailand	--	--	--	--	--	--	--	--
Turkey	3.87	3.30	--	3.41	--	--	--	--
United Arab Emirates	--	--	--	--	--	--	--	--
United Kingdom	--	--	--	--	--	--	--	--
By Truck								
Canada	--	--	7.70	--	--	--	--	--
Mexico	10.20	9.72	10.06	9.78	9.72	9.76	9.43	9.67
Re-Exports								
By Vessel								
Argentina	--	--	--	--	4.51	--	--	--
Brazil	--	--	--	--	4.57	--	--	--
India	--	--	--	--	--	--	--	--
Mexico	--	--	--	--	--	--	--	--
Total LNG Exports	4.68	4.58	3.65	5.11	5.13	5.63	4.72	4.21
CNG								
Canada	4.72	2.55	2.53	--	--	3.88	2.80	3.22
Total CNG Exports	4.72	2.55	2.53	--	--	3.88	2.80	3.22
Total Exports	3.82	3.00	3.06	3.16	3.13	3.02	2.60	2.15

See footnotes at end of table.

Table 5. U.S. natural gas exports, 2016-2018

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

	2016			
	April	March	February	January
Exports				
Average Price (dollars per thousand cubic feet)				
Pipeline				
Canada	2.07	1.99	2.34	2.66
Mexico	2.03	1.88	2.20	2.45
Total Pipeline Exports	2.04	1.93	2.26	2.54
LNG				
Exports				
By Vessel				
Argentina	4.16	--	--	--
Bahamas	--	--	--	--
Barbados	10.00	15.19	10.00	--
Brazil	--	3.83	3.54	--
Chile	--	--	--	--
China	--	--	--	--
Colombia	--	--	--	--
Dominican Republic	--	--	--	--
Egypt	--	--	--	--
India	--	3.98	--	--
Israel	--	--	--	--
Italy	--	--	--	--
Japan	--	--	--	--
Jordan	--	--	--	--
Kuwait	--	--	--	--
Lithuania	--	--	--	--
Malta	--	--	--	--
Mexico	--	--	--	--
Netherlands	--	--	--	--
Pakistan	--	--	--	--
Panama	--	--	--	--
Poland	--	--	--	--
Portugal	3.58	--	--	--
South Korea	--	--	--	--
Spain	--	--	--	--
Taiwan	--	--	--	--
Thailand	--	--	--	--
Turkey	--	--	--	--
United Arab Emirates	--	4.18	--	--
United Kingdom	--	--	--	--
By Truck				
Canada	--	--	--	7.41
Mexico	8.99	8.96	10.16	10.96
Re-Exports				
By Vessel				
Argentina	--	--	--	--
Brazil	--	--	3.54	--
India	--	3.98	--	--
Mexico	--	--	--	--
Total LNG Exports	3.96	4.01	3.59	10.74
CNG				
Canada	2.58	3.05	2.42	5.09
Total CNG Exports	2.58	3.05	2.42	5.09
Total Exports	2.15	2.04	2.28	2.54

^R Revised data.

-- Not applicable.

Notes: U.S. Energy Information Administration (EIA) data for LNG exports and imports may differ from those reported by the Office of Fossil Energy (FE), U.S. Department of Energy, in its *LNG Monthly* report. EIA data may include revisions that have not yet been published by FE. 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 FE, 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, 2013-2018
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 Total	3,175,301	1,010,382	236,648	1,688,733	284,184	1,813,232	58,240	1,296,793	584,632	1,007,270
2016										
January	298,815	77,592	18,222	144,485	21,498	154,113	4,611	99,998	50,905	116,293
February	273,298	71,658	16,831	133,847	20,005	146,013	4,307	98,407	49,040	108,791
March	295,235	74,247	17,699	142,980	21,399	153,587	4,587	109,588	53,093	116,293
April	246,130	70,504	16,358	139,228	20,338	154,360	4,416	106,101	48,915	114,315
May	269,206	71,555	18,102	143,542	20,897	151,643	4,508	108,921	51,010	118,125
June	233,815	67,073	16,791	135,945	20,067	140,782	4,268	105,475	49,945	114,315
July	239,442	68,009	17,456	139,649	20,594	157,148	4,375	109,500	52,657	125,833
August	250,381	66,959	17,328	142,233	20,344	145,060	4,129	111,476	50,847	125,833
September	249,275	63,989	16,728	136,568	20,854	145,726	4,166	108,062	48,416	121,774
October	271,920	65,709	16,891	145,443	19,989	151,308	4,341	110,173	53,354	126,599
November	294,151	62,826	16,194	140,988	18,898	143,001	4,264	107,020	52,901	122,515
December	308,524	63,075	16,424	143,468	19,911	150,664	4,175	107,945	47,767	126,599
Total	3,230,193	823,196	205,025	1,688,375	244,795	1,793,406	52,146	1,282,666	608,849	1,437,285
2017										
January	301,493	61,608	16,691	142,790	19,044	162,990	4,135	105,653	48,477	132,135
February	275,044	55,911	15,634	128,838	17,280	141,567	3,777	97,589	48,102	119,348
March	308,111	61,608	17,688	142,161	19,077	177,967	4,168	110,479	53,891	132,135
April	286,963	59,905	17,281	136,409	18,063	155,363	4,087	107,283	55,188	132,359
May	286,678	61,319	17,796	138,439	18,451	162,999	4,235	113,939	57,606	136,771
June	248,829	59,366	17,229	134,382	18,281	168,309	4,126	108,071	55,673	132,359
July	205,707	60,612	19,987	140,105	18,854	167,283	4,247	112,631	58,915	159,314
August	221,579	59,937	17,558	143,311	18,600	183,079	4,277	111,163	60,597	159,314
September	255,362	56,568	17,145	140,164	17,969	189,429	4,054	111,084	58,407	154,174
October	283,192	58,056	18,316	147,258	16,696	212,769	4,155	117,049	64,060	173,541
November	282,589	55,511	16,767	142,452	16,056	207,876	3,970	109,644	62,980	167,942
December	295,221	56,890	17,235	151,359	16,108	217,981	3,989	120,322	64,709	173,541
Total	3,250,769	707,292	209,327	1,687,667	214,480	2,147,612	49,218	1,324,909	688,605	1,772,932
2018										
January	296,763	51,757	16,821	151,072	17,495	211,270	3,927	113,537	64,221	183,232
February	268,604	46,612	15,370	136,802	15,831	200,831	3,478	106,157	58,668	171,082
March	295,802	51,018	16,903	151,348	17,607	230,892	3,783	123,241	65,547	190,999
April	282,720	51,363	16,313	148,397	17,079	224,143	3,738	121,113	67,360	184,005
May	282,751	51,483	16,948	154,111	17,598	239,895	3,934	124,029	72,213	191,843
June	229,020	49,106	16,442	144,133	16,146	233,205	3,709	122,869	68,939	185,625
July	234,050	49,707	16,951	151,711	17,507	248,961	4,010	132,400	73,982	200,061
2018 7-Month YTD	1,889,710	351,046	115,747	1,037,575	119,263	1,589,197	26,579	843,346	470,931	1,306,847
2017 7-Month YTD	1,912,826	420,330	122,306	963,123	129,051	1,136,478	28,774	755,646	377,852	944,421
2016 7-Month YTD	1,855,942	500,639	121,459	979,675	144,798	1,057,647	31,071	737,991	355,564	813,964

See footnotes at end of table.

Table 6. Gross withdrawals of natural gas in selected states and the Federal Gulf of Mexico, 2013-2018

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 Total	2,499,599	4,812,983	8,799,465	417,020	1,315,248	1,995,920	611,356	1,307,641	32,914,647
2016									
January	214,000	R442,434	R709,938	R33,692	R116,943	R163,388	R50,050	R106,127	R2,823,104
February	201,258	R426,244	R666,642	R30,756	R109,571	R151,068	R47,820	R98,287	R2,653,842
March	214,561	R444,309	R708,832	R32,961	R113,695	R164,016	R49,521	R108,380	R2,824,983
April	203,524	R426,424	R681,793	31,448	R112,470	R155,715	R47,633	R98,939	R2,678,610
May	211,836	R439,310	R701,679	31,673	R116,018	R153,550	R48,419	R107,850	R2,767,844
June	202,081	R431,137	R678,190	R29,730	R104,660	R152,538	R46,193	R95,158	R2,628,164
July	210,617	R440,575	R693,378	R30,376	R119,034	R143,881	R47,486	R101,199	R2,721,210
August	211,218	R439,910	R688,855	R30,330	R121,035	R145,537	R47,732	R103,424	R2,722,631
September	202,202	R414,330	R656,230	R28,875	R115,466	R151,851	R46,417	R95,284	R2,626,213
October	206,225	R417,455	R675,365	R29,216	R117,061	R160,094	R46,916	R102,131	R2,720,187
November	195,366	R431,708	R645,281	R27,880	R116,843	R152,711	R46,361	R99,339	R2,678,247
December	195,424	R456,371	R650,116	R28,332	R121,664	R154,274	R47,272	R104,539	R2,746,543
Total	2,468,312	R5,210,209	R8,156,296	R365,268	R1,384,458	R1,848,623	R571,820	R1,220,656	R32,591,578
2017									
January	193,927	R460,918	R648,850	R27,703	123,989	R148,233	R47,062	R102,987	R2,748,684
February	179,163	R415,355	R600,163	R25,039	112,378	R136,489	R43,038	R90,210	R2,504,926
March	207,995	R460,321	R659,935	R27,541	126,645	R152,801	R46,020	R103,119	R2,811,662
April	203,362	R447,576	R645,039	R26,632	121,705	R148,606	R44,942	R92,253	R2,703,018
May	207,889	R458,392	R673,537	R27,553	131,952	R147,115	R45,864	R96,498	R2,787,032
June	203,690	R443,483	R661,942	R26,320	130,111	R148,655	R44,055	R88,406	R2,693,285
July	213,003	R457,004	R692,994	R26,480	136,091	R151,986	R43,157	R95,280	R2,763,649
August	218,247	R450,180	R675,036	R26,376	143,578	R153,381	R44,419	R90,190	R2,780,821
September	211,644	R443,450	R664,234	R25,376	139,445	R149,107	R43,781	R85,952	R2,767,345
October	226,421	R447,617	R690,921	R25,908	144,282	R154,561	R43,669	R78,293	R2,906,765
November	220,016	R473,760	680,803	24,692	142,990	R153,924	R42,894	R79,262	R2,884,127
December	228,540	R505,832	702,282	25,114	147,884	R159,824	R43,552	R75,679	R3,006,062
Total	2,513,897	R5,463,888	R7,995,736	R314,733	1,601,047	R1,804,681	R532,453	R1,078,130	R33,357,375
2018									
January	E227,286	E500,205	E682,935	E25,601	E141,628	E150,657	RE42,447	E78,466	RE2,959,321
February	E210,361	E461,491	E627,460	E23,088	E130,261	E134,640	RE39,077	E73,749	RE2,723,563
March	E240,653	E504,670	E705,295	E26,087	E146,465	E150,489	RE44,572	E82,685	RE3,048,056
April	E235,092	E491,030	E692,906	E25,100	E138,210	E145,180	RE41,853	E74,284	RE2,959,887
May	RE243,974	RE498,922	RE739,934	RE25,416	RE150,963	RE147,038	RE43,201	RE77,499	RE3,081,754
June	RE241,436	RE493,536	RE726,395	RE24,650	RE143,500	RE137,913	RE42,150	RE78,242	RE2,957,017
July	E252,022	E25,462	E761,536	E25,108	E141,795	E141,696	E42,429	E88,153	E3,107,540
2018 7-Month YTD	E1,650,825	E3,475,316	E4,936,461	E175,051	E992,822	E1,007,613	E295,728	E553,079	E20,837,137
2017 7-Month YTD	1,409,028	3,143,049	4,582,459	187,268	882,869	1,033,884	314,137	668,753	19,012,256
2016 7-Month YTD	1,457,878	3,050,434	4,840,450	220,636	792,391	1,084,156	337,123	715,940	19,097,757

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

Notes: Data for Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and Federal Offshore Gulf of Mexico are individually collected on the EIA-914 survey. The "Other States" category comprises states/areas not individually collected on the EIA-914 survey (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). Before 2017, Federal Offshore Pacific is included in California. All data for Alaska are obtained directly from the state. Monthly preliminary state-level data for all states not collected individually on the EIA-914 survey are available after the final annual reports for these series are collected and processed. Final annual data are generally available in the third quarter of the following year. The sum of individual states may not equal total U.S. volumes due to independent rounding.

Sources: 2013-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*, Bureau of Safety and Environmental Enforcement (BSEE), PointLogic Energy, and BENTEK Energy. January 2018 through current month: Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report"; and EIA computations.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2013-2018
(million cubic feet)

Year and Month	Alaska	Arkansas	California	Colorado	Kansas	Louisiana	Montana	New Mexico	North Dakota	Ohio
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 Total	343,625	1,010,382	236,648	1,688,733	284,184	1,805,197	51,356	1,245,145	471,360	1,007,270
2016										
January	30,686	77,592	18,222	144,191	21,498	153,337	4,267	94,728	43,621	116,293
February	28,434	71,658	16,831	133,677	20,005	145,451	3,960	93,658	42,951	108,791
March	29,898	74,247	17,699	142,795	21,399	152,860	4,214	104,259	47,266	116,293
April	26,258	70,504	16,358	139,031	20,338	153,585	4,083	101,796	44,024	114,315
May	27,088	71,555	18,102	143,350	20,897	150,858	4,086	104,054	44,698	118,125
June	24,882	67,073	16,791	135,713	20,067	139,980	3,987	100,265	44,293	114,315
July	25,025	68,009	17,456	139,430	20,594	156,387	4,045	104,706	46,331	125,833
August	24,969	66,959	17,328	142,030	20,344	144,306	3,618	107,465	44,343	125,833
September	24,970	63,989	16,728	136,361	20,854	144,983	3,770	104,161	42,231	121,774
October	28,546	65,709	16,891	145,195	19,989	150,567	3,993	107,846	44,919	126,599
November	30,380	62,826	16,194	140,755	18,898	142,225	3,977	102,881	46,694	122,515
December	31,612	63,075	16,424	143,226	19,911	149,857	3,922	103,829	40,625	126,599
Total	332,749	823,196	205,025	1,685,755	244,795	1,784,396	47,921	1,229,647	531,997	1,437,285
2017										
January	31,022	61,608	16,691	142,554	19,044	162,163	3,889	101,810	41,899	132,135
February	28,145	55,911	15,634	128,554	17,280	140,873	3,530	94,177	42,317	119,348
March	31,344	61,608	17,688	141,880	19,077	177,195	3,897	108,214	47,675	132,135
April	30,373	59,905	17,281	136,194	18,063	154,875	3,773	104,963	48,931	132,359
May	30,399	61,319	17,796	138,206	18,451	162,291	3,965	111,425	50,770	136,771
June	27,509	59,366	17,229	133,912	18,281	167,599	3,863	105,266	48,471	132,359
July	24,025	60,612	19,987	139,706	18,854	166,507	3,990	110,185	51,351	159,314
August	24,427	59,937	17,558	142,957	18,600	182,309	4,022	108,861	51,769	159,314
September	27,205	56,568	17,145	139,869	17,969	188,756	3,757	108,947	48,483	154,174
October	29,536	58,056	18,316	146,976	16,696	211,980	3,866	114,741	52,713	173,541
November	29,760	55,511	16,767	141,944	16,056	207,106	3,760	106,936	54,010	167,942
December	30,640	56,890	17,235	150,637	16,108	217,263	3,777	117,515	55,665	173,541
Total	344,385	707,292	209,327	1,683,388	214,480	2,138,918	46,090	1,293,040	594,053	1,772,932
2018										
January	31,077	51,757	16,821	150,695	17,495	210,425	3,677	110,801	55,403	183,232
February	27,724	46,612	15,370	136,460	15,831	200,028	3,257	103,599	50,613	171,082
March	30,900	51,018	16,903	150,969	17,607	229,968	3,542	120,271	56,547	190,999
April	28,913	51,363	16,313	148,026	17,079	223,247	3,500	118,195	58,111	184,005
May	28,833	51,483	16,948	153,726	17,598	238,935	3,684	121,040	62,299	191,843
June	26,045	49,106	16,442	143,773	16,146	232,273	3,473	119,908	59,474	185,625
July	26,116	49,707	16,951	151,332	17,507	247,966	3,755	129,209	63,825	200,061
2018 7-Month YTD	199,609	351,046	115,747	1,034,981	119,263	1,582,841	24,888	823,022	406,273	1,306,847
2017 7-Month YTD	202,817	420,330	122,306	961,005	129,051	1,131,503	26,908	736,041	331,413	944,421
2016 7-Month YTD	192,270	500,639	121,459	978,188	144,798	1,052,459	28,641	703,465	313,185	813,964

See footnotes at end of table.

Table 7. Marketed production of natural gas in selected states and the Federal Gulf of Mexico, 2013-2018

(million cubic feet) – continued

Year and Month	Oklahoma	Pennsylvania	Texas	Utah	West Virginia	Wyoming	Other States	Federal Gulf of Mexico	U.S. Total
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 Total	2,499,599	4,812,983	7,890,459	417,020	1,315,248	1,808,519	592,373	1,291,945	28,772,044
2016									
January	214,000	R442,434	R622,924	R33,692	R116,943	R147,676	R48,850	R104,422	R2,435,375
February	201,258	R426,244	R596,319	R30,756	R109,571	R137,429	R46,815	R96,715	R2,310,521
March	214,561	R444,309	R622,809	R32,961	R113,695	R147,394	R48,469	R106,846	R2,441,976
April	203,524	R426,424	R612,599	31,448	R112,470	R140,677	R46,664	R97,457	R2,361,554
May	211,836	R439,310	R618,479	31,673	R116,018	R138,420	R47,540	R106,386	R2,412,475
June	202,081	R431,137	R601,588	R29,730	R104,660	R137,007	R45,387	R93,331	R2,312,288
July	210,617	R440,575	R624,567	R30,376	R119,034	R130,346	R46,573	R99,010	R2,408,915
August	211,218	R439,910	R609,656	R30,330	R121,035	R131,856	R46,708	R101,907	R2,389,813
September	202,202	R414,330	R581,717	R28,875	R115,466	R135,764	R45,464	R93,762	R2,297,402
October	206,225	R417,455	R594,772	R29,216	R117,061	R143,151	R45,933	R100,613	R2,364,679
November	195,366	R431,708	R568,877	R27,880	R116,843	R136,200	R45,364	R97,909	R2,307,494
December	195,424	R456,371	R571,165	R28,332	R121,664	R136,987	R46,220	R102,311	R2,357,556
Total	2,468,312	R5,210,209	R7,225,472	R365,268	R1,384,458	R1,662,909	R559,985	R1,200,669	R28,400,049
2017									
January	193,927	R460,918	R562,977	R27,703	123,989	R125,802	R45,868	R101,371	R2,355,370
February	179,163	R415,355	R521,489	R25,039	112,378	R115,936	R41,938	R88,458	R2,145,526
March	207,995	R460,321	R592,173	R27,541	126,645	R129,287	R44,722	R101,586	R2,430,983
April	203,362	R447,576	R583,129	R26,632	121,705	R131,381	R43,761	R90,802	R2,355,065
May	207,889	R458,392	R600,541	R27,553	131,952	R131,989	R44,643	R95,171	R2,429,523
June	203,690	R443,483	R591,282	R26,320	130,111	R131,082	R42,967	R86,831	R2,369,620
July	213,003	R457,004	R621,007	R26,480	136,091	R134,587	R42,014	R93,910	R2,478,626
August	218,247	R450,180	R602,991	R26,376	143,578	R134,827	R43,286	R88,800	R2,478,038
September	211,644	R443,450	R593,431	R25,376	139,445	R130,690	R42,620	R84,476	R2,434,007
October	226,421	R447,617	R623,160	R25,908	144,282	R137,608	R42,363	R76,533	R2,550,312
November	220,016	R473,760	R615,496	24,692	142,990	R138,440	R41,775	R78,022	R2,534,983
December	228,540	R505,832	R627,818	25,114	147,884	R143,856	R42,334	R74,340	R2,634,990
Total	2,513,897	R5,463,888	R7,135,494	R314,733	1,601,047	R1,585,486	R518,291	R1,060,300	R29,197,042
2018									
January	E227,286	E500,205	RE609,451	E25,601	E141,628	RE132,352	RE41,326	RE77,172	RE2,586,405
February	E210,361	E461,491	RE559,945	E23,088	E130,261	RE118,281	RE38,046	RE72,532	RE2,384,581
March	E240,653	E504,670	RE629,405	E26,087	E146,465	RE132,204	RE43,395	RE81,321	RE2,672,927
April	E235,092	E491,030	RE618,349	E25,100	E138,210	RE127,541	RE40,748	RE73,059	RE2,597,880
May	RE243,974	RE498,922	RE660,317	RE25,416	RE150,963	RE129,173	RE42,060	RE76,220	RE2,713,435
June	RE241,436	RE493,536	RE648,235	RE24,650	RE143,500	RE121,157	RE41,037	RE76,951	RE2,642,766
July	E252,022	E25,462	E679,594	E25,108	E141,795	E124,480	E41,309	E86,698	E2,782,895
2018 7-Month YTD	E1,650,825	E3,475,316	E4,405,298	E175,051	E992,822	E885,188	E287,920	E543,953	E18,380,890
2017 7-Month YTD	1,409,028	3,143,049	4,072,598	187,268	882,869	900,064	305,912	658,129	16,564,713
2016 7-Month YTD	1,457,878	3,050,434	4,299,284	220,636	792,391	978,950	330,297	704,166	16,683,105

R Revised data.

E Estimated data.

RE Revised estimated data.

Notes: For 2017 forward, state monthly marketed production is estimated from gross withdrawals using historical relationships between the two. Data for Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and Federal Offshore Gulf of Mexico are individually collected on the EIA-914 survey. The "Other States" category comprises states/areas not individually collected on the EIA-914 survey (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). Before 2017, Federal Offshore Pacific is included in California. All data for Alaska are obtained directly from the state. Monthly preliminary state-level data for all states not collected individually on the EIA-914 survey are available after the final annual reports for these series are collected and processed. Final annual data are generally available in the third quarter of the following year. The sum of individual states may not equal total U.S. volumes due to independent rounding.

Sources: 2013-2017: U.S. Energy Information Administration (EIA), *Natural Gas Annual 2017*, Bureau of Safety and Environmental Enforcement (BSEE), PointLogic Energy, and BENTEK Energy. January 2018 through current month: Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report"; and EIA computations.

Table 8. Underground natural gas storage – all operators, 2013-2018
(volumes in billion cubic feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^a	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^b
2013 Total^c	--	--	--	--	--	3,156	3,702	546
2014 Total^c	--	--	--	--	--	3,839	3,586	-253
2015 Total^c	--	--	--	--	--	3,638	3,100	-539
2016								
January	4,369	2,938	7,307	531	22.1	66	795	729
February	4,369	2,534	6,904	869	52.2	111	515	403
March	4,360	2,486	6,847	1,015	69.0	215	264	49
April	4,364	2,646	7,009	852	47.5	294	130	-164
May	4,366	2,966	7,332	679	29.7	402	74	-329
June	4,369	3,186	7,555	539	20.4	316	94	-222
July	4,369	3,318	7,687	394	13.5	283	150	-133
August	4,369	3,441	7,811	200	6.2	285	162	-124
September	4,369	3,705	8,074	91	2.5	351	88	-262
October	4,371	4,013	8,384	70	1.8	387	78	-308
November	4,372	3,977	8,349	50	1.3	178	213	35
December	4,380	3,297	7,677	-370	-10.1	87	762	676
Total	--	--	--	--	--	2,977	3,325	348
2017								
January	4,378	2,622	7,000	-316	-10.8	℞113	℞787	675
February	4,377	2,337	6,715	-197	-7.8	℞137	℞422	285
March	4,378	2,063	6,440	-424	-17.0	℞175	℞449	274
April	4,379	2,291	6,670	-354	-13.4	℞352	℞122	-230
May	4,385	2,627	7,011	-340	-11.5	℞430	℞90	-341
June	4,354	2,907	7,261	-279	-8.8	℞386	℞105	-281
July	4,356	3,054	7,410	-264	-8.0	℞303	℞154	-150
August	4,355	3,250	7,605	-191	-5.6	℞353	℞158	-196
September	4,355	3,567	7,923	-138	-3.7	℞419	℞103	-317
October	4,354	3,816	8,170	-196	-4.9	℞378	℞131	-247
November	4,353	3,709	8,062	-267	-6.7	℞199	℞285	86
December	4,360	3,033	7,392	-264	-8.0	℞91	785	695
Total	--	--	--	--	--	℞3,337	℞3,590	℞254
2018								
January	4,357	2,141	6,498	-481	-18.4	℞141	℞1,037	896
February	4,357	1,673	6,030	-664	-28.4	℞133	℞599	467
March	4,354	1,392	5,746	-670	-32.5	℞164	℞449	285
April	4,350	1,427	5,778	-864	-37.7	℞256	℞224	-32
May	4,352	1,848	6,200	-779	-29.6	℞489	℞66	-423
June	4,354	2,195	6,550	-711	-24.5	℞436	℞88	-348
July	4,355	2,382	6,736	-673	-22.0	362	175	-186

^a Total underground storage capacity at the end of each calendar year (in billion cubic feet): 2013 – 9,173; 2014 – 9,233; 2015- 9,231; 2016 – 9,239; and 2017 – 9,261. 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.

[℞] Revised data.

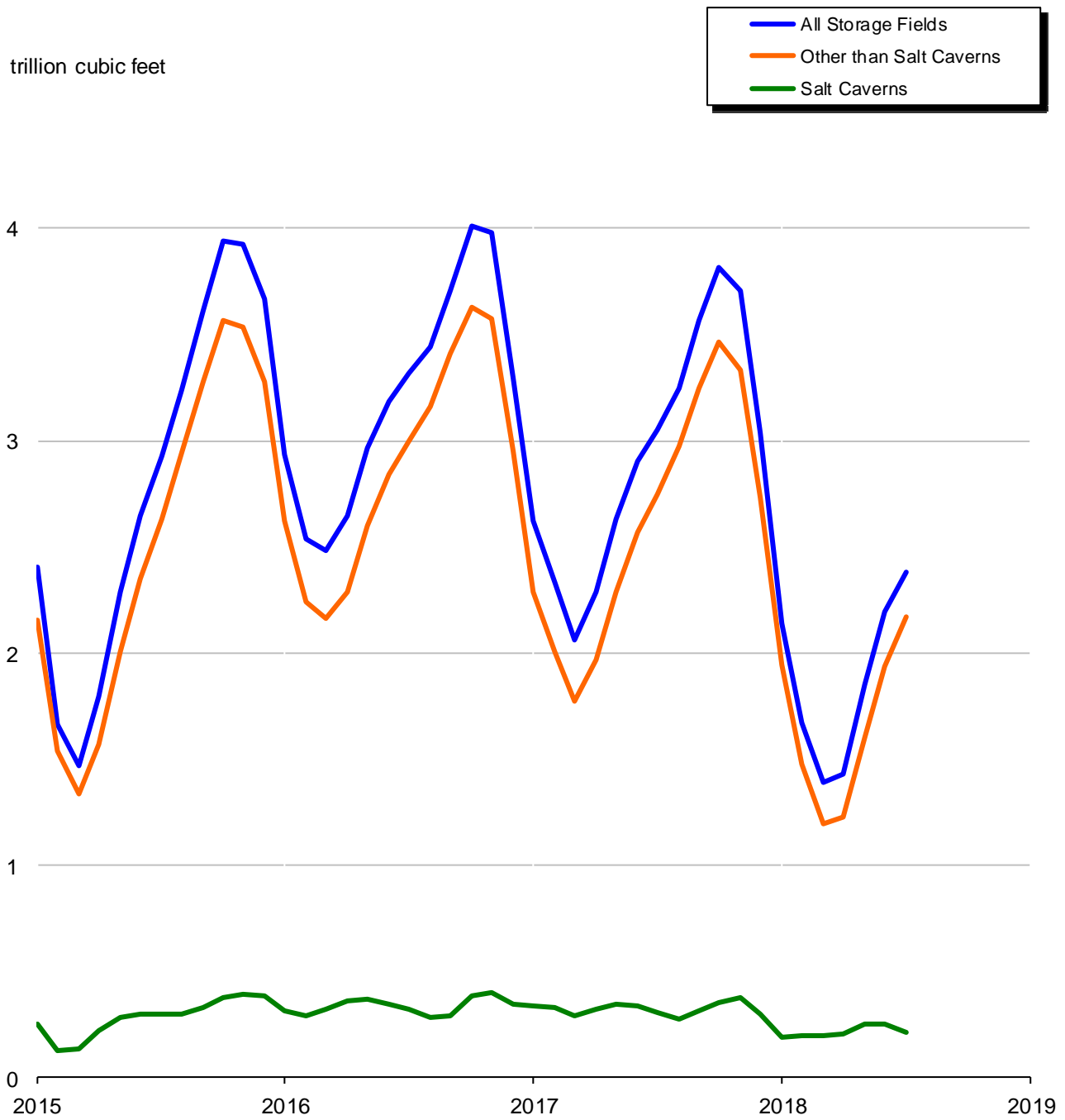
-- Not applicable.

Notes: Data for 2013 through 2016 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: U.S. 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, 2015-2018

Figure 5



Note: Geographic coverage is the 50 states and the District of Columbia.
Source: U.S. Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

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

(volumes in billion cubic feet)

Year, Season, and Month	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
2016 Refill Season								
April	4,364	2,646	7,009	852	47.5	294	130	-164
May	4,366	2,966	7,332	679	29.7	402	74	-329
June	4,369	3,186	7,555	539	20.4	316	94	-222
July	4,369	3,318	7,687	394	13.5	283	150	-133
August	4,369	3,441	7,811	200	6.2	285	162	-124
September	4,369	3,705	8,074	91	2.5	351	88	-262
October	4,371	4,013	8,384	70	1.8	387	78	-308
Total	--	--	--	--	--	2,319	776	-1,543
2017 Heating Season								
November	4,372	3,977	8,349	50	1.3	178	213	35
December	4,380	3,297	7,677	-370	-10.1	87	762	676
January	4,378	2,622	7,000	-316	-10.8	R113	R787	675
February	4,377	2,337	6,715	-197	-7.8	R137	R422	285
March	4,378	2,063	6,440	-424	-17.0	R175	R449	274
Total	--	--	--	--	--	R689	R2,634	1,945
2017 Refill Season								
April	4,379	2,291	6,670	-354	-13.4	R352	R122	-230
May	4,385	2,627	7,011	-340	-11.5	R430	R90	-341
June	4,354	2,907	7,261	-279	-8.8	R386	R105	-281
July	4,356	3,054	7,410	-264	-8.0	R303	R154	-150
August	4,355	3,250	7,605	-191	-5.6	R353	R158	-196
September	4,355	3,567	7,923	-138	-3.7	R419	R103	-317
October	4,354	3,816	8,170	-196	-4.9	R378	R131	-247
Total	--	--	--	--	--	R2,622	R861	-1,761
2018 Heating Season								
November	4,353	3,709	8,062	-267	-6.7	R199	R285	86
December	4,360	3,033	7,392	-264	-8.0	R91	785	695
January	4,357	2,141	6,498	-481	-18.4	R141	R1,037	896
February	4,357	1,673	6,030	-664	-28.4	R133	R599	467
March	4,354	1,392	5,746	-670	-32.5	R164	R449	285
Total	--	--	--	--	--	R727	R3,155	2,428
2018 Refill Season								
April	4,350	1,427	5,778	-864	-37.7	R256	R224	-32
May	4,352	1,848	6,200	-779	-29.6	R489	R66	-423
June	4,354	2,195	6,550	-711	-24.5	R436	R88	-348
July	4,355	2,382	6,736	-673	-22.0	362	175	-186

^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 2016 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: U.S. Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 10. Underground natural gas storage – salt cavern storage fields, 2013-2018
(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
2013 Total^b	--	--	--	--	--	492	521	29
2014 Total^b	--	--	--	--	--	634	552	-82
2015 Total^b	--	--	--	--	--	606	550	-56
2016								
January	189	312	501	60	23.7	29	105	76
February	190	295	485	168	132.8	42	58	16
March	190	322	513	184	133.0	67	39	-28
April	191	358	550	138	62.4	66	27	-38
May	192	368	560	84	29.8	46	35	-10
June	192	348	541	51	17.1	26	45	19
July	192	319	511	22	7.3	32	62	29
August	193	281	474	-20	-6.5	33	69	37
September	194	295	489	-38	-11.3	52	37	-14
October	194	383	577	7	1.9	115	26	-89
November	195	402	598	13	3.4	47	28	-20
December	195	349	544	-39	-10.0	38	92	53
Total	--	--	--	--	--	593	624	32
2017								
January	195	338	533	26	8.3	R69	R80	11
February	195	328	522	33	11.0	R43	R53	10
March	196	292	487	-31	-9.5	R51	R86	35
April	197	326	523	-32	-9.0	R79	R43	-36
May	197	343	539	-25	-6.8	R65	R49	-16
June	196	339	535	-9	-2.7	R48	R51	4
July	198	304	502	-15	-4.7	R32	R66	34
August	198	279	477	-2	-0.8	R42	R67	24
September	197	318	515	23	7.7	R79	R41	-38
October	197	350	548	-33	-8.5	R84	R51	-33
November	197	379	576	-24	-5.9	R66	R38	-28
December	197	297	493	-52	-14.9	R44	R127	83
Total	--	--	--	--	--	R701	R752	50
2018								
January	195	192	388	-145	-43.0	R84	R189	105
February	196	196	392	-131	-40.1	R60	R55	-5
March	195	194	389	-98	-33.4	R57	R61	3
April	194	203	397	-123	-37.7	R63	R54	-8
May	195	249	444	-93	-27.2	R79	R31	-47
June	195	256	451	-83	-24.6	R49	R44	-6
July	196	214	410	-90	-29.5	35	77	41
2018 7-Month YTD	--	--	--	--	--	426	510	84
2017 7-Month YTD	--	--	--	--	--	386	428	42
2016 7-Month YTD	--	--	--	--	--	308	372	64

^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 2013 through 2016 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: U.S. Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 11. Underground natural gas storage – storage fields other than salt caverns, 2013-2018
(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
2013 Total^b	--	--	--	--	--	2,664	3,181	517
2014 Total^b	--	--	--	--	--	3,205	3,034	-171
2015 Total^b	--	--	--	--	--	3,032	2,549	-482
2016								
January	4,180	2,626	6,806	471	21.9	37	689	652
February	4,180	2,239	6,419	700	45.5	69	456	387
March	4,170	2,164	6,334	831	62.3	149	225	77
April	4,172	2,287	6,460	715	45.5	229	103	-126
May	4,174	2,599	6,773	595	29.7	357	39	-318
June	4,176	2,838	7,014	489	20.8	291	49	-241
July	4,176	2,999	7,176	372	14.2	251	88	-163
August	4,177	3,160	7,337	219	7.5	253	92	-160
September	4,175	3,410	7,585	129	3.9	299	51	-248
October	4,177	3,630	7,807	63	1.8	271	52	-220
November	4,177	3,574	7,751	37	1.0	131	185	55
December	4,185	2,948	7,133	-331	-10.1	48	670	622
Total	--	--	--	--	--	2,384	2,700	316
2017								
January	4,183	2,284	6,468	-342	-13.0	44	708	664
February	4,183	2,010	6,192	-230	-10.2	94	369	275
March	4,182	1,771	5,953	-393	-18.2	124	364	239
April	4,182	1,965	6,147	-322	-14.1	273	79	-194
May	4,188	2,284	6,472	-315	-12.1	365	40	-325
June	4,158	2,568	6,725	-270	-9.5	338	53	-284
July	4,158	2,750	6,908	-249	-8.3	272	88	-184
August	4,158	2,971	7,129	-189	-6.0	311	91	-220
September	4,158	3,250	7,408	-161	-4.7	340	62	-279
October	4,156	3,466	7,622	-164	-4.5	295	80	-215
November	4,156	3,330	7,487	-244	-6.8	133	247	114
December	4,163	2,736	6,899	-212	-7.2	47	659	612
Total	--	--	--	--	--	2,635	2,839	203
2018								
January	4,162	1,948	6,110	-336	-14.7	57	848	791
February	4,161	1,477	5,638	-533	-26.5	73	544	471
March	4,159	1,198	5,357	-573	-32.3	107	388	282
April	4,156	1,224	5,381	-741	-37.7	193	170	-23
May	4,157	1,598	5,756	-685	-30.0	410	35	-375
June	4,159	1,940	6,099	-628	-24.5	386	44	-343
July	4,159	2,167	6,326	-583	-21.2	326	99	-228
2018 7-Month YTD	--	--	--	--	--	1,553	2,127	574
2017 7-Month YTD	--	--	--	--	--	1,510	1,701	191
2016 7-Month YTD	--	--	--	--	--	1,382	1,650	268

^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 2013 through 2016 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: U.S. Energy Information Administration (EIA): Form EIA-191, "Monthly Underground Gas Storage Report."

Table 12. Net withdrawals from underground storage, by state, 2016-2018
(million cubic feet)

State	2018						
	July	June	May	April	March	February	January
Alabama	2,879	1,165	-3,590	-2,801	-2,192	885	7,522
Alaska ^a	-1,862	-1,749	-856	25	1,020	1,988	2,559
Arkansas	-793	-838	-917	-193	776	616	951
California	8,376	-18,473	-29,083	-18,639	10,696	25,368	41,978
Colorado	-2,338	-6,154	-6,557	127	4,370	9,346	9,686
Illinois	-28,754	-29,674	-20,284	7,769	31,354	43,006	64,676
Indiana	-2,826	-3,023	-1,240	542	3,497	4,115	5,357
Iowa	-1,673	-1,593	-2,828	1,387	6,081	9,545	19,932
Kansas	-12,141	-12,300	-12,254	-1,471	9,818	19,645	23,304
Kentucky	-2,846	-5,514	-10,612	3,827	312	8,578	23,235
Louisiana	7,158	-17,984	-42,445	7,969	7,193	16,429	95,750
Maryland	-2,904	-3,246	-1,661	654	1,983	2,961	4,492
Michigan	-76,375	-75,997	-75,307	15,716	77,908	107,038	161,641
Minnesota	-221	-162	6	112	175	290	238
Mississippi	13,724	-1,213	-15,259	-3,445	-3,038	-12,144	37,691
Missouri	24	25	-345	321	98	-133	-15
Montana	-4,171	-4,023	-4,084	-591	4,348	6,469	7,142
Nebraska	-633	-887	-2,061	-472	1	1,856	3,298
New Mexico	3,751	93	-818	-258	1,785	3,846	4,077
New York	-6,908	-8,007	-12,164	-952	14,822	15,424	22,793
Ohio	-25,872	-25,869	-26,345	4,379	27,353	24,424	42,463
Oklahoma	-5,348	-13,098	-17,878	-6,196	5,470	31,221	37,977
Oregon	-1,178	-2,824	-2,644	29	-261	2,704	3,193
Pennsylvania	-39,628	-46,334	-50,138	858	60,784	53,807	90,102
Tennessee	-82	-75	-96	-44	-30	25	104
Texas	26,147	-22,403	-37,196	-28,408	-15,104	36,004	106,822
Utah	-4,035	-6,954	-8,576	-1,893	3,257	9,335	14,371
Virginia	74	-77	-607	-627	1,485	-193	-243
Washington	1,854	-5,671	-4,561	-2,546	2,206	6,762	2,896
West Virginia	-29,175	-33,562	-28,088	-6,014	28,590	33,907	58,248
Wyoming	-612	-1,788	-4,290	-936	136	3,444	3,503
Regions							
East Region	-104,413	-117,095	-119,003	-1,702	135,016	130,329	217,855
South Central Region	31,626	-66,671	-129,540	-34,545	2,922	92,655	310,017
Midwest Region	-112,753	-116,013	-110,705	29,630	119,395	172,464	275,168
Mountain Region	-8,038	-19,713	-26,386	-4,022	13,898	34,295	42,077
Pacific Region	9,052	-26,969	-36,288	-21,156	12,640	34,834	48,067
Total Lower 48 States	-184,526	-346,461	-421,921	-31,796	283,872	464,577	893,183
U.S. Total	-186,388	-348,210	-422,778	-31,771	284,892	466,564	895,742

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018

(million cubic feet) – continued

State	2017						
	Total	December	November	October	September	August	July
Alabama	3,570	2,448	-1,237	-3,630	-561	3,628	3,386
Alaska ^a	-3,585	1,309	1,622	-476	-1,624	-2,476	-2,424
Arkansas	-629	1,220	397	-251	-582	-574	-647
California	5,688	37,901	6,223	-4,453	-12,170	1,123	-6,826
Colorado	-309	13,278	-4,315	-582	-6,013	-2,922	-5,245
Illinois	8,410	57,696	-333	-40,165	-41,306	-34,888	-25,184
Indiana	-69	4,827	-1,525	-2,472	-2,352	-2,191	-2,486
Iowa	329	20,539	6,240	-20,082	-19,446	-11,805	-1,696
Kansas	6,142	22,474	-872	-5,986	-5,422	656	-2,088
Kentucky	15,130	15,659	3,170	-10,110	-8,402	-1,317	5,583
Louisiana	R26,198	57,784	-10,494	-13,491	-23,167	3,696	R1,075
Maryland	-1,045	2,079	816	-533	-1,395	-2,626	-2,873
Michigan	47,361	121,334	39,265	-34,646	-52,348	-54,494	-38,760
Minnesota	248	298	-9	-232	-242	-244	-220
Mississippi	R21,817	29,161	-4,909	-11,495	-17,129	R4,913	R14,979
Missouri	248	864	-210	-217	-432	*	0
Montana	2,360	7,373	3,931	-812	-4,091	-2,393	-3,558
Nebraska	1,266	2,753	-232	-702	-1,206	-564	-935
New Mexico	11,752	4,715	1,939	235	241	2,883	1,623
New York	-3,120	15,467	5,738	-10,854	-13,746	-15,700	-8,367
Ohio	9,594	33,605	16,388	-3,490	-22,590	-24,349	-26,059
Oklahoma	23,004	27,244	3,272	-9,766	-4,340	1,626	1,039
Oregon	214	5,113	190	-705	-899	-702	-545
Pennsylvania	9,738	61,182	20,680	-31,295	-33,239	-47,206	-37,135
Tennessee	-45	68	5	-31	-42	11	8
Texas	65,344	84,716	-11,751	-30,361	-16,898	19,068	18,244
Utah	2,594	12,258	-177	-1,600	-4,342	-1,449	-3,718
Virginia	912	1,051	-144	-40	-761	-317	349
Washington	1,133	4,053	-191	1,203	-3,610	-2,225	329
West Virginia	-5,627	43,252	13,698	-11,598	-17,030	-24,959	-26,009
Wyoming	5,222	3,028	-1,194	1,188	-1,390	172	-1,694
Regions							
East Region	10,452	156,637	57,175	-57,810	-88,761	-115,156	-100,093
South Central Region	R145,446	225,046	-25,593	-74,980	-68,100	R33,012	R35,989
Midwest Region	71,612	221,285	46,603	-107,955	-124,569	-104,928	-62,755
Mountain Region	22,884	43,405	-48	-2,273	-16,801	-4,273	-13,527
Pacific Region	7,035	47,067	6,222	-3,956	-16,679	-1,804	-7,041
Total Lower 48 States	R257,429	693,440	84,358	-246,975	-314,911	R-193,148	R-147,426
U.S. Total	R253,844	694,748	85,980	-247,451	-316,535	R-195,625	R-149,850

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018

(million cubic feet) – continued

State	2017						2016
	June	May	April	March	February	January	Total
Alabama	498	169	-1,292	1,420	-1,005	-254	1,019
Alaska ^a	-2,108	-1,525	-1,076	1,572	1,409	2,213	-8,322
Arkansas	-581	-595	-272	772	66	418	-1,666
California	-13,935	-23,446	-16,167	-17,258	4,300	50,395	39,603
Colorado	-5,660	-4,519	-1,374	1,199	4,859	10,983	-4,606
Illinois	-32,389	-17,012	4,438	35,264	42,917	59,371	5,282
Indiana	-2,782	-1,664	-501	2,040	3,067	5,972	3,478
Iowa	-1,917	-1,579	1,288	5,165	8,052	15,571	6,414
Kansas	-4,611	-14,016	-10,252	5,246	2,192	18,823	8,377
Kentucky	1,693	-8,818	-12,511	5,772	7,787	16,622	9,205
Louisiana	-5,251	-19,393	-22,014	22,982	11,892	22,579	39,572
Maryland	-2,241	-3,128	-280	3,170	2,048	3,915	2,916
Michigan	-57,334	-55,198	-39,909	63,573	47,176	108,702	57,601
Minnesota	-190	-63	36	342	450	321	38
Mississippi	-476	-3,259	-8,395	6,585	1,802	10,041	26,635
Missouri	*	0	*	100	-20	163	-156
Montana	-4,182	-4,160	-2,002	1,137	4,042	7,075	-7,364
Nebraska	182	-1,017	-979	-287	1,408	2,844	785
New Mexico	68	-1,257	-1,704	-2,779	1,321	4,466	669
New York	-12,765	-7,272	-5,894	17,047	12,369	20,857	19,233
Ohio	-26,200	-18,721	-5,818	27,859	22,619	36,350	17,390
Oklahoma	-10,437	-13,581	-4,742	-5,893	3,193	35,389	11,957
Oregon	-1,472	-3,170	-336	-2,364	606	4,500	1,381
Pennsylvania	-46,732	-51,111	-33,170	70,898	54,306	82,560	68,344
Tennessee	-41	-32	-29	-5	14	31	-66
Texas	-15,267	-37,200	-30,805	1,147	6,329	78,122	38,656
Utah	-5,162	-7,294	-2,628	-518	5,334	11,889	-1,208
Virginia	45	-513	-310	689	685	180	189
Washington	-2,739	-5,577	-2,596	1,556	4,022	6,908	-2,216
West Virginia	-26,523	-33,844	-30,240	27,775	29,958	49,893	22,407
Wyoming	-2,290	-1,936	-632	234	1,737	8,000	-7,349
Regions							
East Region	-114,416	-114,589	-75,713	147,438	121,986	193,754	130,479
South Central Region	-36,126	-87,874	-77,772	232,259	24,469	165,118	124,549
Midwest Region	-92,960	-84,366	-47,188	112,250	109,443	206,754	81,797
Mountain Region	-17,044	-20,183	-9,318	-1,014	18,701	45,258	-19,074
Pacific Region	-18,145	-32,194	-19,099	-18,066	8,927	61,803	38,769
Total Lower 48 States	-278,691	-339,205	-229,091	272,867	283,526	672,686	356,520
U.S. Total	-280,799	-340,730	-230,167	274,439	284,935	674,900	348,198

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018

(million cubic feet) – continued

State	2016						
	December	November	October	September	August	July	June
Alabama	3,462	-2,161	-5,368	-597	2,250	3,115	1,486
Alaska ^a	1,789	872	139	-1,321	-1,997	-1,976	-1,468
Arkansas	739	-86	-152	-318	-564	-517	-724
California	43,736	1,937	-8,590	-3,383	4,248	769	-7,766
Colorado	11,693	-1,452	-7,324	-5,111	-3,745	-4,892	-5,512
Illinois	53,639	623	-37,807	-41,363	-33,535	-28,440	-32,072
Indiana	4,712	-1,533	-2,257	-2,199	-1,850	-1,850	-2,226
Iowa	22,217	5,150	-18,715	-18,041	-14,078	-1,925	-2,856
Kansas	21,467	876	-5,573	-8,157	-2,098	-7,378	-4,701
Kentucky	16,756	51	-4,545	-4,548	-128	-2,707	-2,776
Louisiana	42,587	-3,970	-51,370	-11,031	18,506	16,049	-2,585
Maryland	2,604	893	133	-150	-1,397	-1,133	-3,022
Michigan	108,495	17,034	-27,683	-54,745	-36,754	-35,799	-52,688
Minnesota	44	14	-104	-197	-228	-205	-174
Mississippi	24,501	1,560	-24,918	-3,355	2,651	7,130	1,758
Missouri	365	-210	-405	-290	*	0	0
Montana	8,305	2,401	-782	-2,191	-3,465	-3,260	-4,908
Nebraska	2,171	721	-1,221	-1,132	-90	-151	-16
New Mexico	4,345	-1,195	-1,530	75	167	659	-391
New York	20,132	4,697	-7,006	-12,209	-3,017	-3,467	-6,284
Ohio	41,276	14,460	-10,323	-22,602	-23,658	-25,774	-26,258
Oklahoma	30,817	-5,705	-11,783	-2,082	1,055	-3,398	-3,069
Oregon	5,032	406	-1,086	-266	-16	-887	-511
Pennsylvania	70,114	10,492	-16,859	-43,300	-18,752	-21,094	-36,463
Tennessee	71	-14	-34	2	2	3	-38
Texas	65,863	-17,919	-50,646	112	21,348	18,530	7,624
Utah	12,286	-466	-1,542	-3,455	-2,871	-2,671	-4,887
Virginia	212	-211	-163	-185	-504	73	-46
Washington	3,465	448	-109	-3,266	-2,091	-788	-1,834
West Virginia	44,092	10,686	-7,057	-15,425	-22,388	-29,308	-25,938
Wyoming	8,555	-3,105	-3,717	-1,656	-769	-1,773	-3,980
Regions							
East Region	178,429	41,017	-41,275	-93,871	-69,715	-80,704	-98,011
South Central Region	189,436	-27,405	-149,809	-25,428	43,149	33,529	-212
Midwest Region	206,299	21,114	-91,550	-121,381	-86,571	-70,923	-92,831
Mountain Region	47,355	-3,096	-16,117	-13,469	-10,773	-12,088	-19,694
Pacific Region	52,233	2,790	-9,785	-6,916	2,142	-906	-10,112
Total Lower 48 States	673,752	34,420	-308,536	-261,066	-121,769	-131,091	-220,859
U.S. Total	675,541	35,292	-308,397	-262,387	-123,765	-133,067	-222,328

See footnotes at end of table.

Table 12. Net withdrawals from underground storage, by state, 2016-2018
(million cubic feet) – continued

State	2016				
	May	April	March	February	January
Alabama	-1,536	-3,383	-323	-713	4,787
Alaska ^a	-1,957	-1,441	-451	-459	-50
Arkansas	-801	-444	438	328	434
California	-16,700	-17,261	-4,805	7,203	40,217
Colorado	-5,498	1,334	3,688	2,412	9,800
Illinois	-26,284	4,551	26,092	50,274	69,604
Indiana	-2,905	527	1,694	5,259	6,106
Iowa	-2,349	2,150	4,762	10,674	19,427
Kansas	-13,272	-7,171	-4,070	11,913	26,541
Kentucky	-8,262	-16,117	2,150	9,656	19,675
Louisiana	-11,540	-20,296	-14,011	21,175	56,058
Maryland	-1,671	716	-342	2,294	3,991
Michigan	-65,480	-13,874	30,025	80,654	108,415
Minnesota	-76	7	515	127	315
Mississippi	-7,184	-6,394	-12,187	6,944	36,129
Missouri	0	0	119	-168	433
Montana	-5,202	-3,943	-770	2,057	4,394
Nebraska	-1,099	-630	-103	549	1,788
New Mexico	-1,615	-1,170	-1,658	1,413	1,568
New York	-11,257	-1,560	2,483	14,571	22,150
Ohio	-21,537	-5,040	17,603	32,160	47,082
Oklahoma	-15,348	-9,402	-5,923	10,070	26,725
Oregon	-2,228	-1,027	-362	481	1,845
Pennsylvania	-32,012	-5,601	11,919	62,426	87,473
Tennessee	-27	-17	-32	-6	25
Texas	-29,546	-38,115	-19,445	24,128	56,721
Utah	-7,374	-814	-1,928	3,685	8,830
Virginia	-242	-508	135	17	1,612
Washington	-4,392	-2,918	1,935	5,854	1,480
West Virginia	-27,301	-14,249	11,571	35,666	62,059
Wyoming	-3,858	-2,386	-139	2,448	3,031
Regions					
East Region	-94,019	-26,242	43,370	147,134	224,367
South Central Region	-79,227	-85,205	-55,521	73,846	207,396
Midwest Region	-105,382	-22,774	65,327	156,470	224,000
Mountain Region	-24,646	-7,610	-910	12,562	29,411
Pacific Region	-23,319	-21,206	-3,232	13,538	43,542
Total Lower 48 States	-326,593	-163,038	49,034	403,550	728,716
U.S. Total	-328,551	-164,479	48,583	403,091	728,666

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

^R Revised data.

^{*} Volume is less than 500 Mcf.

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

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

Table 13. Activities of underground natural gas storage operators, by state, July 2018

(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	15,453	25,903	-4,547	-22.7	1,045	3,925
Alaska ^a	5	83,592	67,915	14,197	35,065	49,261	523	1.5	1,919	57
Arkansas	2	21,774	8,894	12,880	3,168	16,048	188	6.3	793	0
California	14	603,808	373,236	230,605	213,052	443,657	-48,930	-18.7	8,126	16,502
Colorado	10	139,627	71,774	60,382	35,679	96,061	-5,267	-12.9	6,756	4,418
Illinois	28	1,008,849	303,613	705,882	126,407	832,289	-9,374	-6.9	29,536	781
Indiana	21	113,659	34,119	79,554	15,796	95,350	-2,924	-15.6	2,828	3
Iowa	4	288,210	90,313	197,897	20,476	218,373	-6,296	-23.5	2,539	866
Kansas	16	282,986	122,982	163,853	66,401	230,255	-25,431	-27.7	13,461	1,319
Kentucky	22	221,695	107,596	112,829	55,948	168,777	-16,038	-22.3	5,766	2,920
Louisiana	19	740,013	449,422	281,231	236,424	517,655	-87,260	-27.0	26,398	33,555
Maryland	1	64,000	18,300	45,677	11,247	56,925	-620	-5.2	2,925	22
Michigan	44	1,071,608	683,820	386,921	347,650	734,570	-153,991	-30.7	77,681	1,307
Minnesota	1	7,000	2,000	4,848	1,400	6,248	-10	-0.7	221	0
Mississippi	12	334,092	204,013	124,959	95,231	220,190	-16,902	-15.1	12,770	26,494
Missouri	1	13,845	3,656	10,189	2,196	12,385	-3,895	-63.9	0	24
Montana	4	376,225	197,477	178,501	19,737	198,238	-9,022	-31.4	4,239	68
Nebraska	1	34,850	12,653	22,197	7,123	29,320	-1,192	-14.3	734	102
New Mexico	2	89,100	59,738	29,362	20,675	50,037	-22,490	-52.1	4	3,754
New York	26	245,779	127,487	114,176	66,739	180,916	-5,967	-8.2	10,763	3,854
Ohio	24	575,794	253,750	321,358	118,516	439,874	-19,791	-14.3	26,276	405
Oklahoma	13	376,528	198,675	177,696	100,475	278,171	-47,945	-32.3	12,020	6,672
Oregon	7	29,565	15,935	12,639	13,852	26,491	-2,144	-13.4	1,178	0
Pennsylvania	49	763,296	427,601	335,402	226,754	562,156	-38,897	-14.6	50,931	11,303
Tennessee	2	2,400	1,800	878	1,459	2,337	188	14.8	82	*
Texas	35	845,081	545,640	293,771	297,011	590,783	-105,479	-26.2	24,243	50,389
Utah	3	124,509	54,942	69,508	32,107	101,615	-10,225	-24.2	4,242	207
Virginia	2	9,500	5,400	4,100	4,066	8,166	176	4.5	1,032	1,106
Washington	1	46,900	24,600	22,300	17,285	39,585	-154	-0.9	402	2,257
West Virginia	31	530,837	268,647	262,852	141,871	404,723	-27,297	-16.1	30,718	1,543
Wyoming	9	155,995	74,492	67,726	32,253	99,979	-1,621	-4.8	1,925	1,313
Regions										
East Region	133	2,189,206	1,101,185	1,083,566	569,193	1,652,759	-92,395	-14.0	122,645	18,232
South Central Region	99	2,644,075	1,562,776	1,064,840	814,164	1,879,004	-287,376	-26.1	90,729	122,355
Midwest Region	123	2,727,265	1,226,916	1,498,997	571,332	2,070,330	-192,341	-25.2	118,654	5,901
Mountain Region	29	920,306	471,075	427,676	147,575	575,251	-49,816	-25.2	17,900	9,862
Pacific Region	22	680,273	413,771	265,544	244,188	509,732	-51,228	-17.3	9,706	18,758
Total Lower 48 States	406	9,161,125	4,775,723	4,340,623	2,346,453	6,687,076	-673,157	-22.3	359,635	175,109
U.S. Total	411	9,244,717	4,843,638	4,354,820	2,381,517	6,736,337	-672,634	-22.0	361,554	175,166

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

* Volume is less than 500 Mcf.

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

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

Table 14. Natural gas deliveries to residential consumers, by state, 2016-2018

(million cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	22,244	14,979	19,596	682	732	1,127	R2,525	R3,762
Alaska	11,223	12,038	9,428	500	R672	R1,031	R1,481	R2,217
Arizona	22,266	22,758	24,220	1,120	R1,326	R1,729	R2,402	R4,675
Arkansas	21,395	15,379	17,465	501	R626	931	2,509	R4,139
California	268,028	275,057	247,106	19,967	R22,008	R27,006	R32,336	R53,606
Colorado	77,741	69,925	76,282	2,593	R2,720	R5,733	R10,162	R14,279
Connecticut	34,544	31,807	29,969	1,066	R1,325	1,965	R5,285	R7,422
Delaware	NA	6,357	6,554	166	185	345	1,091	1,944
District of Columbia	7,903	7,591	7,556	266	253	358	943	1,830
Florida	11,359	9,394	10,453	811	R984	R1,146	R1,564	R1,732
Georgia	80,000	61,964	73,934	3,917	R3,984	R4,710	R8,852	R15,677
Hawaii	358	346	334	46	50	49	52	52
Idaho	15,264	16,944	13,687	548	R656	R801	R1,876	R3,174
Illinois	275,922	229,712	246,707	7,470	R8,923	R12,347	R43,614	R54,873
Indiana	90,880	72,884	78,850	2,203	R2,006	R3,676	R13,606	R19,900
Iowa	44,365	37,240	39,547	934	1,157	1,788	6,942	8,491
Kansas	42,150	32,531	33,630	1,052	R1,344	R1,673	R5,924	R7,190
Kentucky	32,401	24,225	29,500	696	R755	R1,214	R4,207	R6,877
Louisiana	24,149	16,186	20,714	1,112	R1,245	R1,579	R2,436	R3,112
Maine	1,877	1,767	1,655	49	R74	R114	R271	R386
Maryland	NA	46,445	49,936	1,568	R1,870	NA	7,407	R13,780
Massachusetts	NA	76,820	72,111	2,572	R2,891	R4,363	R12,005	NA
Michigan	208,711	177,132	186,403	5,269	R5,752	R9,052	R34,058	R46,850
Minnesota	NA	75,214	75,442	2,218	R2,930	NA	R13,499	R17,200
Mississippi	15,271	10,259	13,307	513	R498	R680	R1,573	R2,284
Missouri	70,866	51,476	55,492	1,666	1,787	2,294	R10,125	13,547
Montana	NA	12,746	10,594	357	550	854	1,861	NA
Nebraska	27,177	21,673	21,350	754	R780	R1,576	R3,889	R4,986
Nevada	25,797	26,957	25,002	1,234	1,583	1,967	2,839	5,622
New Hampshire	4,911	4,547	4,398	136	172	227	731	1,089
New Jersey	157,775	139,464	142,533	4,764	R5,911	7,617	22,887	36,896
New Mexico	NA	18,477	20,695	814	R809	NA	R2,540	R4,537
New York	310,019	277,458	271,384	10,830	R12,261	R18,783	R47,627	R67,187
North Carolina	46,327	33,235	41,470	937	R1,152	R1,185	R4,846	R11,140
North Dakota	NA	6,607	6,030	170	255	650	1,340	NA
Ohio	183,869	151,688	166,440	4,674	R4,586	R5,877	R29,426	R42,110
Oklahoma	41,540	30,079	30,832	1,046	R1,145	R1,511	R5,430	R6,380
Oregon	25,305	29,185	22,096	948	1,303	1,523	3,495	5,426
Pennsylvania	163,151	137,216	139,841	4,179	R4,554	R6,551	R23,138	R38,942
Rhode Island	12,476	11,465	10,881	372	413	459	1,888	2,925
South Carolina	19,632	13,879	17,841	476	R503	R727	R1,928	R3,931
South Dakota	NA	7,538	7,279	205	R247	R617	R1,415	NA
Tennessee	48,577	31,612	38,775	1,086	R1,130	R2,499	R6,231	R8,263
Texas	NA	106,174	119,914	4,693	R5,206	R7,939	R12,998	R23,771
Utah	39,135	38,885	38,299	1,616	2,057	2,342	4,522	9,459
Vermont	2,612	2,345	2,326	80	109	179	423	516
Virginia	NA	46,600	51,628	1,674	R1,562	R2,274	R6,645	R13,630
Washington	49,701	54,831	42,571	2,002	2,424	R2,812	R7,275	R11,037
West Virginia	NA	13,498	15,295	332	R388	NA	R2,457	R4,273
Wisconsin	90,294	78,951	80,599	2,297	R2,626	R3,977	R14,904	R18,237
Wyoming	7,881	8,042	7,102	242	R308	R589	R1,213	R1,647
Total	3,147,853	2,699,581	2,775,056	105,424	R118,789	R167,864	R438,693	R655,675

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2016-2018

(million cubic feet) – continued

State	2018			2017				
	February	January	Total	December	November	October	September	August
Alabama	3,781	9,635	26,430	6,211	2,650	1,193	741	656
Alaska	2,618	2,705	20,247	2,525	2,613	1,579	892	601
Arizona	5,213	5,801	32,821	4,272	2,133	1,502	1,145	1,011
Arkansas	4,958	7,731	25,704	5,713	2,542	931	586	553
California	55,061	58,044	431,005	62,531	33,949	23,669	17,774	18,026
Colorado	20,245	22,009	118,582	21,054	12,514	8,690	3,557	2,841
Connecticut	6,900	10,580	48,431	8,288	4,790	1,430	1,091	1,025
Delaware	1,533	NA	9,896	2,007	953	249	172	158
District of Columbia	1,720	2,532	11,904	2,383	934	410	299	287
Florida	2,038	3,084	14,934	1,816	1,226	924	823	751
Georgia	12,223	30,637	111,248	22,315	12,094	6,722	4,105	4,049
Hawaii	51	58	572	50	47	43	44	42
Idaho	4,018	4,191	28,799	5,273	3,069	2,147	836	530
Illinois	64,644	84,051	377,511	69,482	44,367	17,811	8,054	8,084
Indiana	19,981	29,508	123,847	26,461	14,435	5,553	2,498	2,016
Iowa	11,176	13,877	60,362	11,284	6,654	2,952	1,127	1,105
Kansas	11,246	13,720	54,445	10,772	6,674	2,239	1,166	1,063
Kentucky	6,626	12,026	43,253	9,945	5,305	2,019	975	784
Louisiana	4,179	10,485	29,060	6,251	2,659	1,536	1,221	1,207
Maine	403	581	2,748	520	264	85	58	54
Maryland	11,424	17,860	75,789	15,141	8,718	2,426	1,732	1,326
Massachusetts	20,798	25,253	121,181	22,904	12,151	4,115	2,694	2,497
Michigan	45,396	62,334	299,158	58,028	37,037	14,512	7,041	5,408
Minnesota	23,096	26,700	123,898	22,061	15,032	6,526	2,556	2,510
Mississippi	2,613	7,110	18,446	4,142	1,988	882	622	553
Missouri	16,785	24,661	86,865	19,244	10,363	2,311	1,794	1,678
Montana	3,510	3,568	21,481	3,627	2,535	1,587	637	349
Nebraska	7,053	8,138	34,069	5,967	3,973	1,404	619	434
Nevada	6,015	6,537	40,911	6,316	2,973	2,035	1,476	1,153
New Hampshire	998	1,557	7,331	1,428	787	257	155	158
New Jersey	30,408	49,292	221,608	43,095	21,617	8,807	4,338	4,288
New Mexico	4,758	6,414	29,993	5,444	2,871	1,517	866	818
New York	63,551	89,778	432,451	75,715	42,655	15,453	10,954	10,216
North Carolina	7,984	19,084	59,933	14,460	8,039	2,110	1,096	993
North Dakota	2,132	2,285	11,015	1,938	1,388	669	235	177
Ohio	38,429	58,768	258,699	53,080	30,997	12,214	5,675	5,045
Oklahoma	11,560	14,467	51,069	11,996	4,925	1,511	1,260	1,298
Oregon	6,356	6,253	47,841	8,213	5,325	3,149	1,191	778
Pennsylvania	33,318	52,469	218,719	42,298	22,852	7,875	4,601	3,878
Rhode Island	2,433	3,986	18,421	3,485	2,051	628	386	407
South Carolina	3,278	8,789	24,558	5,845	2,976	835	541	482
South Dakota	2,254	2,552	12,146	2,176	1,283	684	244	221
Tennessee	9,910	19,458	56,661	14,083	6,831	1,899	1,253	983
Texas	33,600	NA	164,140	25,645	13,224	7,772	5,888	5,438
Utah	8,505	10,634	66,700	13,023	6,973	4,527	1,821	1,471
Vermont	561	744	3,509	587	301	111	87	78
Virginia	11,173	NA	76,904	16,077	8,094	2,857	1,690	1,587
Washington	11,997	12,154	91,028	14,960	10,582	6,464	2,441	1,749
West Virginia	3,671	5,563	22,385	4,473	2,611	1,014	485	304
Wisconsin	22,356	25,896	131,018	25,210	15,334	6,281	2,739	2,503
Wyoming	1,968	1,913	12,553	1,801	1,281	951	266	212
Total	686,506	974,901	4,412,282	821,617	467,638	205,068	114,548	103,832

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2016-2018

(million cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	679	716	928	1,366	3,187	3,240	4,864	28,407
Alaska	551	656	983	1,472	2,666	2,521	3,189	17,787
Arizona	1,101	1,324	1,781	2,358	3,702	5,836	6,656	35,120
Arkansas	570	621	952	1,168	2,951	3,376	5,740	27,130
California	19,092	20,885	27,252	29,707	40,608	53,982	83,530	411,828
Colorado	2,657	2,955	6,264	8,839	11,822	14,666	22,721	121,963
Connecticut	1,075	1,380	2,231	3,529	7,844	7,199	8,549	46,045
Delaware	151	207	350	612	1,689	1,397	1,951	9,660
District of Columbia	293	340	518	616	1,796	1,679	2,348	11,379
Florida	778	880	1,060	1,392	1,600	1,725	1,958	15,352
Georgia	3,940	4,108	4,938	5,707	12,818	12,389	18,065	115,922
Hawaii	43	49	44	49	52	52	58	571
Idaho	518	599	1,114	2,016	2,669	3,829	6,199	24,889
Illinois	8,664	9,174	16,968	23,288	52,091	47,489	72,039	386,590
Indiana	2,096	2,415	5,288	7,075	17,157	15,348	23,505	125,038
Iowa	1,028	1,276	2,437	4,047	8,061	8,381	12,010	61,247
Kansas	1,009	1,228	1,776	3,063	6,451	6,663	12,341	54,060
Kentucky	719	777	1,188	2,032	5,648	5,597	8,265	45,502
Louisiana	1,231	1,287	1,429	1,705	2,699	2,906	4,928	31,383
Maine	52	76	135	235	426	395	447	2,566
Maryland	1,651	1,789	2,993	3,402	11,443	11,029	14,139	76,047
Massachusetts	2,608	3,299	5,950	8,696	20,221	16,531	19,515	112,082
Michigan	5,123	6,056	13,698	18,830	42,976	38,428	52,022	294,152
Minnesota	2,276	2,997	5,044	8,308	16,657	16,507	23,423	117,598
Mississippi	518	526	728	807	2,153	2,110	3,417	20,185
Missouri	1,597	1,904	3,319	4,432	10,298	10,986	18,940	87,264
Montana	343	474	902	1,608	2,231	2,978	4,211	19,100
Nebraska	673	857	1,512	2,231	4,156	4,681	7,563	33,050
Nevada	1,310	1,600	2,022	2,794	4,396	6,256	8,578	39,075
New Hampshire	137	176	338	478	1,184	999	1,235	6,861
New Jersey	4,857	6,185	9,355	14,797	34,080	30,427	39,764	215,510
New Mexico	839	951	1,409	2,085	2,973	4,196	6,024	32,577
New York	10,730	13,856	20,615	30,903	68,055	60,346	72,953	412,467
North Carolina	1,135	1,039	1,514	2,309	8,165	7,129	11,944	64,547
North Dakota	155	190	347	737	1,475	1,577	2,126	10,059
Ohio	4,714	5,339	9,994	13,998	37,454	33,242	46,946	255,826
Oklahoma	1,172	1,300	1,878	2,737	4,756	6,446	11,789	50,573
Oregon	866	1,330	2,147	3,766	5,136	6,406	9,534	39,391
Pennsylvania	4,196	5,099	9,495	13,739	33,755	30,971	39,961	215,512
Rhode Island	414	462	798	1,192	3,126	2,513	2,961	17,200
South Carolina	559	526	657	1,177	3,265	2,916	4,779	27,562
South Dakota	195	265	482	905	1,538	1,668	2,485	11,663
Tennessee	1,008	1,168	1,721	2,363	6,888	7,217	11,248	58,924
Texas	6,003	5,823	7,749	9,413	16,020	22,128	39,036	175,332
Utah	1,680	2,227	2,890	4,976	5,704	7,427	13,980	63,929
Vermont	82	131	187	311	570	507	556	3,518
Virginia	1,657	1,797	2,501	3,795	11,067	10,403	15,380	77,170
Washington	1,802	2,226	4,046	7,034	10,426	12,453	16,844	76,321
West Virginia	356	325	758	1,371	3,489	3,117	4,081	23,210
Wisconsin	2,306	2,795	5,967	8,439	18,653	17,252	23,539	125,449
Wyoming	211	372	796	1,001	1,520	1,797	2,344	11,999
Total	107,423	124,038	199,451	278,910	579,768	579,313	830,679	4,346,588

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2016-2018

(million cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	4,880	1,790	875	620	646	675	833	978
Alaska	2,969	2,313	1,713	831	534	479	534	864
Arizona	R4,980	R2,313	1,433	1,144	R1,031	1,081	1,327	1,766
Arkansas	5,947	1,830	R734	609	545	584	687	937
California	R66,473	R37,485	R22,234	R19,918	R18,613	R19,533	R21,252	24,772
Colorado	R22,110	R11,559	R6,060	R3,217	2,736	R2,560	R2,932	R6,529
Connecticut	7,814	4,432	1,971	962	897	1,034	1,312	2,294
Delaware	1,711	794	281	165	155	164	224	458
District of Columbia	2,132	941	337	202	211	240	280	489
Florida	1,587	R1,082	820	727	683	R701	798	R968
Georgia	R19,426	R10,125	R4,812	R3,795	R3,830	R3,641	R3,772	R4,642
Hawaii	52	47	45	49	45	45	45	44
Idaho	5,896	2,661	1,457	690	498	524	587	893
Illinois	R77,071	32,863	R14,683	7,804	7,463	7,828	R9,531	R15,848
Indiana	R26,006	R11,343	R4,292	2,346	R2,201	2,033	R2,229	R4,741
Iowa	12,695	4,607	2,016	1,330	1,052	1,178	1,181	2,249
Kansas	R12,004	R4,753	R1,543	R1,139	990	R1,080	R1,377	2,084
Kentucky	9,305	R3,863	1,288	772	774	723	R813	1,491
Louisiana	R4,824	1,988	1,388	1,222	R1,247	1,182	R1,239	R1,481
Maine	449	229	133	56	44	50	60	136
Maryland	13,905	6,792	2,645	1,425	1,345	R1,483	R1,783	3,341
Massachusetts	19,200	10,623	5,427	2,440	R2,281	2,440	2,802	5,617
Michigan	R53,783	27,488	R14,925	6,654	R4,898	R5,405	R5,586	R12,191
Minnesota	21,656	9,848	5,555	2,599	2,497	2,306	2,944	4,253
Mississippi	R3,778	R1,350	625	572	553	R595	740	R817
Missouri	R19,405	R6,723	R2,507	1,526	1,611	1,637	1,919	2,869
Montana	3,972	R2,115	1,383	631	405	400	515	934
Nebraska	6,924	R2,374	1,031	706	665	713	905	1,371
Nevada	6,777	2,891	1,810	1,387	1,208	1,269	1,518	1,993
New Hampshire	1,249	701	231	153	129	130	168	294
New Jersey	36,467	18,709	8,782	4,706	4,313	5,739	6,416	10,809
New Mexico	5,893	3,068	1,214	933	775	839	1,085	1,546
New York	R66,144	R37,991	R18,301	R9,380	R9,267	R10,775	R12,799	R22,097
North Carolina	R12,920	R6,306	1,719	1,088	R1,045	1,047	1,222	1,657
North Dakota	2,140	867	629	218	175	162	181	375
Ohio	R45,991	R23,458	R10,397	4,721	4,818	4,237	R4,867	R10,510
Oklahoma	R11,803	3,798	R1,660	1,305	1,175	R1,115	R1,370	1,759
Oregon	8,788	3,994	2,776	1,114	622	920	1,127	1,550
Pennsylvania	R38,711	20,030	8,820	4,167	3,943	4,156	R5,191	9,401
Rhode Island	3,064	1,753	906	360	236	268	325	746
South Carolina	5,384	2,620	730	502	484	447	499	719
South Dakota	2,513	901	520	239	209	196	230	523
Tennessee	R12,402	R4,391	1,410	R1,020	R926	1,004	R1,157	1,627
Texas	R29,065	R9,112	6,508	5,353	5,380	5,756	7,078	7,373
Utah	13,140	6,363	2,979	1,781	1,366	1,714	1,463	2,994
Vermont	555	326	149	87	77	93	113	204
Virginia	R13,307	6,527	R2,883	1,450	1,376	1,429	2,052	R2,968
Washington	16,027	7,845	5,551	2,551	1,776	1,855	2,300	3,170
West Virginia	4,083	2,265	884	360	323	363	371	726
Wisconsin	R24,366	R10,367	R5,590	R2,403	R2,124	R2,361	2,605	R5,056
Wyoming	R2,424	1,135	727	353	259	231	294	772
Total	R794,164	R379,746	R187,385	R109,782	R100,455	R106,420	R122,640	R193,922

See footnotes at end of table.

Table 14. Natural gas deliveries to residential consumers, by state, 2016-2018
(million cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	1,645	2,755	5,516	7,195
Alaska	1,242	1,885	2,067	2,358
Arizona	2,422	R3,089	R5,816	R8,719
Arkansas	1,510	2,762	4,944	6,040
California	28,203	39,795	R43,748	R69,803
Colorado	R10,419	R14,373	R17,247	R22,222
Connecticut	4,070	5,351	7,649	8,259
Delaware	794	1,094	1,812	2,009
District of Columbia	772	1,080	2,230	2,464
Florida	R1,221	1,694	2,333	R2,738
Georgia	R6,476	R9,579	R19,769	R26,056
Hawaii	51	49	47	52
Idaho	1,308	2,566	3,284	4,525
Illinois	R30,372	R41,365	62,741	R79,022
Indiana	R9,343	R11,654	R21,376	R27,474
Iowa	4,664	6,787	10,221	13,266
Kansas	R2,599	5,100	R8,619	12,771
Kentucky	R2,633	4,655	8,533	10,651
Louisiana	R1,902	R2,610	R4,881	R7,419
Maine	255	330	388	436
Maryland	R5,420	7,549	13,589	R16,770
Massachusetts	10,051	13,735	R18,068	19,399
Michigan	R27,259	R33,133	R47,638	R55,192
Minnesota	9,873	12,540	19,714	23,813
Mississippi	943	R1,733	R3,312	R5,167
Missouri	R4,942	8,665	R14,459	R21,002
Montana	1,288	2,008	2,291	3,158
Nebraska	2,324	3,500	5,465	7,072
Nevada	2,500	3,524	5,658	8,540
New Hampshire	606	806	1,101	1,293
New Jersey	17,908	23,954	34,983	42,724
New Mexico	R2,178	R3,341	R4,966	R6,740
New York	R36,910	R47,537	R66,686	R74,579
North Carolina	3,302	5,133	12,917	16,193
North Dakota	770	1,076	1,509	R1,956
Ohio	R21,448	R26,914	R44,165	R54,299
Oklahoma	R2,370	4,616	R7,605	11,999
Oregon	2,244	4,524	4,904	6,827
Pennsylvania	16,928	R22,482	R37,256	44,428
Rhode Island	1,498	1,935	2,791	3,320
South Carolina	1,342	2,282	5,686	6,866
South Dakota	973	1,303	1,766	2,289
Tennessee	R3,107	R5,466	R11,341	R15,073
Texas	R11,584	16,632	R30,067	R41,423
Utah	R4,452	6,228	9,030	12,419
Vermont	362	395	562	598
Virginia	R5,420	R8,174	14,427	17,158
Washington	4,151	8,903	R9,272	12,921
West Virginia	R1,784	2,617	4,160	5,275
Wisconsin	R11,242	R14,393	R19,942	R25,000
Wyoming	979	1,333	1,530	1,963
Total	R328,059	R455,001	R690,077	R878,936

^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: U.S. 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, 2016-2018

(million cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	15,845	11,969	14,391	1,156	R1,126	R1,168	R1,946	R2,874
Alaska	8,737	9,289	8,785	436	R590	R816	R1,192	R1,731
Arizona	NA	19,020	20,940	2,128	NA	NA	NA	NA
Arkansas	32,226	27,234	27,181	2,754	R2,740	3,002	4,298	5,509
California	142,828	135,783	134,121	15,526	R16,161	R17,545	R18,752	R25,318
Colorado	NA	31,353	33,956	1,543	NA	NA	NA	NA
Connecticut	35,161	32,161	30,196	2,594	R2,452	R2,635	R5,299	R6,834
Delaware	NA	7,613	7,192	NA	NA	700	1,224	NA
District of Columbia	NA	9,345	9,788	727	824	642	1,195	1,894
Florida	38,158	36,370	37,823	4,537	R4,840	R5,031	R5,394	R5,942
Georgia	33,576	27,664	32,358	2,153	R2,142	R2,438	R3,966	R6,379
Hawaii	1,522	1,439	1,354	223	212	209	216	214
Idaho	10,627	11,758	9,877	705	753	R799	R1,304	R2,058
Illinois	151,241	127,181	131,116	8,614	R8,506	R10,265	R23,102	R28,329
Indiana	52,896	43,046	44,944	2,295	R2,217	R3,089	R7,537	R10,808
Iowa	34,378	29,041	30,017	1,620	1,846	2,244	R5,094	R6,280
Kansas	23,614	20,150	20,986	1,626	R1,623	R1,659	R3,484	R3,698
Kentucky	23,396	18,218	20,608	1,020	1,012	1,347	R3,000	R4,647
Louisiana	18,118	15,839	17,112	1,890	R1,885	R2,006	R2,472	R2,762
Maine	NA	5,496	5,375	NA	R328	R418	R843	R1,170
Maryland	NA	43,103	43,434	3,416	R3,937	NA	R6,514	R9,836
Massachusetts	NA	66,053	63,537	3,514	R3,998	R4,346	R10,282	NA
Michigan	117,554	99,658	101,991	5,325	R5,435	R8,645	R18,479	R24,178
Minnesota	71,490	60,436	58,589	2,892	R3,219	R4,689	R11,401	R13,400
Mississippi	11,689	9,738	11,099	859	R864	R925	R1,396	R1,805
Missouri	43,295	34,302	34,381	2,083	R2,137	R2,605	R6,133	R8,054
Montana	15,608	13,829	11,897	731	824	1,215	2,301	R3,266
Nebraska	21,086	18,098	16,597	1,221	R1,229	R1,725	2,900	3,699
Nevada	19,338	19,592	18,770	1,723	1,899	2,198	2,569	3,595
New Hampshire	5,999	5,471	5,329	213	256	291	858	1,312
New Jersey	103,198	91,147	94,395	6,036	R6,060	6,819	16,093	21,624
New Mexico	NA	13,266	13,886	847	R1,057	NA	NA	R2,934
New York	195,791	186,666	183,079	14,812	R14,359	R14,732	R28,745	R38,731
North Carolina	36,934	30,019	34,164	2,149	R2,909	R2,537	R4,450	R8,010
North Dakota	NA	7,662	6,980	311	394	NA	1,505	NA
Ohio	107,454	90,719	95,336	4,709	R5,007	R4,823	R16,057	R23,485
Oklahoma	28,683	22,197	22,342	1,465	R1,582	R1,730	R3,724	R4,474
Oregon	NA	19,518	15,375	976	1,264	1,370	2,389	3,507
Pennsylvania	103,959	88,832	87,794	4,920	R5,133	R5,367	R14,353	R24,385
Rhode Island	7,647	7,068	6,910	281	280	303	1,142	1,818
South Carolina	15,046	13,074	14,297	1,259	R1,330	R1,472	R1,734	R3,033
South Dakota	NA	6,498	6,270	299	345	NA	R1,232	NA
Tennessee	NA	26,741	30,511	2,243	R2,309	R2,853	R4,762	NA
Texas	112,925	98,796	101,295	8,963	R9,446	R11,724	R13,691	R19,350
Utah	NA	23,945	23,448	1,284	1,483	NA	2,899	5,701
Vermont	4,042	3,460	3,628	349	349	259	617	775
Virginia	NA	39,773	41,661	3,407	R2,969	R3,226	R5,362	R10,119
Washington	33,994	36,454	29,580	2,162	2,708	2,847	R4,556	R7,057
West Virginia	15,334	13,121	14,100	989	R1,035	R1,121	R2,204	R3,234
Wisconsin	61,269	54,283	55,553	2,852	R2,879	R3,930	R9,736	R11,510
Wyoming	8,646	8,969	8,042	413	R461	R761	R1,326	R1,751
Total	2,117,670	1,872,459	1,892,392	135,063	R140,843	R161,702	R298,807	R413,587

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2016-2018

(million cubic feet) – continued

State	2018			2017				
	February	January	Total	December	November	October	September	August
Alabama	2,238	5,337	22,790	3,908	2,589	1,985	1,232	1,107
Alaska	1,959	2,012	15,544	1,977	1,831	1,189	709	550
Arizona	NA	NA	31,212	3,684	2,552	2,167	1,916	1,874
Arkansas	6,018	7,906	47,501	6,407	4,356	3,686	2,919	2,899
California	24,191	25,335	237,360	28,185	21,739	19,392	16,064	16,197
Colorado	NA	NA	52,739	8,626	5,385	3,780	1,881	1,714
Connecticut	6,535	8,812	52,513	7,412	5,236	2,796	2,489	2,419
Delaware	1,721	NA	13,364	2,226	1,464	836	652	573
District of Columbia	1,759	NA	16,040	2,671	1,383	1,001	815	825
Florida	5,452	6,961	61,313	6,030	5,267	4,855	4,393	4,398
Georgia	5,094	11,403	49,193	8,539	5,224	3,324	2,231	2,211
Hawaii	203	243	2,446	203	204	200	198	202
Idaho	2,417	2,592	19,777	2,925	1,924	1,494	943	732
Illinois	32,997	39,428	215,936	35,932	22,257	13,695	8,818	8,054
Indiana	11,022	15,928	75,312	13,712	8,404	4,996	2,765	2,390
Iowa	7,778	9,516	49,710	7,870	5,820	3,597	1,803	1,580
Kansas	5,265	6,258	34,483	5,286	3,308	2,314	1,683	1,743
Kentucky	4,620	7,751	32,796	6,258	3,761	2,045	1,378	1,136
Louisiana	2,460	4,643	28,316	3,929	2,647	2,199	1,795	1,907
Maine	1,183	1,603	8,925	1,518	939	382	299	290
Maryland	8,352	11,420	72,279	11,519	7,306	3,850	3,237	3,264
Massachusetts	16,624	18,587	109,470	17,939	11,692	5,467	4,243	4,076
Michigan	24,556	30,937	162,634	26,445	16,897	8,273	5,952	5,409
Minnesota	17,365	18,524	99,756	16,759	11,138	5,491	3,066	2,867
Mississippi	1,861	3,978	17,643	2,697	1,758	1,460	1,011	979
Missouri	9,882	12,402	57,903	10,275	5,864	2,812	2,361	2,290
Montana	3,671	3,600	23,374	3,524	2,643	1,683	1,010	685
Nebraska	4,942	5,369	29,018	4,384	3,033	1,689	1,006	807
Nevada	3,593	3,762	32,200	4,043	2,658	2,300	1,902	1,704
New Hampshire	1,216	1,853	9,078	1,685	1,034	388	244	256
New Jersey	19,869	26,697	148,948	24,082	13,261	8,960	6,624	4,874
New Mexico	2,778	4,053	23,624	3,967	2,294	1,845	1,131	1,120
New York	36,591	47,822	310,211	45,947	31,356	16,690	14,701	14,852
North Carolina	5,992	10,887	53,726	8,507	5,821	3,906	2,763	2,709
North Dakota	2,273	2,223	12,957	2,013	1,594	875	461	352
Ohio	21,655	31,718	156,979	28,898	17,574	9,170	5,506	5,112
Oklahoma	7,183	8,523	37,834	6,832	3,547	2,110	1,581	1,566
Oregon	NA	3,982	31,763	4,918	3,172	2,158	1,147	851
Pennsylvania	20,019	29,783	145,910	22,264	17,272	7,825	4,993	4,725
Rhode Island	1,522	2,301	11,338	2,161	1,154	447	252	256
South Carolina	2,262	3,955	22,923	3,089	2,362	1,783	1,314	1,301
South Dakota	1,865	2,017	10,813	1,755	1,180	705	367	308
Tennessee	6,467	11,305	49,042	8,865	5,610	3,317	2,387	2,120
Texas	21,089	28,663	164,797	19,301	13,913	12,127	10,270	10,389
Utah	5,142	6,169	41,264	7,489	4,406	2,792	1,435	1,197
Vermont	703	988	6,205	932	752	401	342	317
Virginia	7,796	NA	68,162	10,474	6,914	4,272	3,449	3,280
Washington	7,207	7,457	60,096	8,465	6,198	4,296	2,513	2,171
West Virginia	2,828	3,923	22,421	3,529	2,283	1,387	1,080	1,021
Wisconsin	13,839	16,523	90,470	14,817	10,017	5,179	3,025	3,147
Wyoming	1,990	1,945	13,972	1,818	1,320	1,021	443	401
Total	419,965	547,703	3,164,078	486,690	322,309	200,614	144,797	137,208

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2016-2018

(million cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	R1,047	1,074	1,273	1,204	R2,288	R2,075	R3,009	23,552
Alaska	R500	R530	R855	R1,153	R2,052	R1,857	R2,342	15,953
Arizona	R1,864	R1,968	R2,287	R2,538	R2,946	R3,408	R4,008	R34,010
Arkansas	R2,706	R2,749	3,088	R3,108	R4,498	R4,630	R6,454	45,810
California	R15,166	R14,780	R16,236	R17,263	R19,968	R22,408	R29,963	236,967
Colorado	R1,639	R1,741	R3,068	R4,041	R5,210	R6,209	R9,446	54,265
Connecticut	R2,437	R2,313	R2,732	R3,818	R7,026	R6,332	R7,504	50,258
Delaware	R499	R561	R721	R751	R1,693	R1,504	R1,885	12,340
District of Columbia	R835	R847	R1,009	R1,088	R1,826	R1,613	R2,127	15,648
Florida	R4,394	R4,646	R4,880	R5,290	R5,716	R5,344	R6,099	62,526
Georgia	R2,164	R2,215	R2,593	R2,817	R5,420	R5,191	R7,263	R51,327
Hawaii	R194	214	R192	R201	R211	R200	R226	R2,384
Idaho	R704	R719	R959	R1,350	R1,765	R2,492	R3,769	17,598
Illinois	R7,691	R7,562	R12,632	R13,522	R25,919	R24,486	R35,368	212,482
Indiana	R2,231	R2,437	R3,621	R4,419	R9,268	R8,353	R12,716	74,131
Iowa	R1,598	R1,753	R2,283	R3,277	R5,799	R6,003	R8,329	49,414
Kansas	R1,578	R1,565	R1,770	R2,536	R3,442	R3,454	R5,805	R34,757
Kentucky	R1,042	R1,100	R1,337	R1,660	R3,883	R3,815	R5,382	33,520
Louisiana	R1,790	1,925	R2,024	R2,057	R2,588	R2,287	R3,168	28,931
Maine	R289	R306	R462	R695	R1,291	R1,150	R1,304	8,559
Maryland	3,541	R3,025	R4,215	R4,284	R9,628	R8,036	R10,372	70,500
Massachusetts	R3,832	R3,968	R5,859	R7,397	R16,154	R13,289	R15,554	104,850
Michigan	R5,045	R5,966	R8,793	R11,198	R21,859	R20,749	R26,049	R158,613
Minnesota	R2,860	R3,117	R4,853	R7,465	R12,305	R12,893	R16,943	R92,591
Mississippi	R893	R903	R1,101	R987	R1,776	R1,704	R2,374	R18,135
Missouri	R2,089	R2,248	R2,850	R3,317	R6,534	6,673	R10,591	R56,968
Montana	R670	R753	R1,095	R1,711	R2,475	R3,028	R4,096	21,314
Nebraska	R1,037	R1,192	R1,500	R2,067	R3,233	R3,688	R5,382	26,971
Nevada	R1,758	R1,908	R2,189	R2,596	R3,089	R3,525	R4,528	31,125
New Hampshire	R192	R239	R425	R564	R1,439	R1,165	R1,446	8,509
New Jersey	R5,572	R6,462	R8,134	R9,270	R20,983	R18,252	22,474	153,096
New Mexico	R1,048	R997	R1,259	R1,696	R1,932	R2,446	R3,888	24,954
New York	R14,113	R14,499	R17,995	R21,285	R40,877	R36,302	R41,596	R302,572
North Carolina	R2,628	R2,394	R3,008	R2,997	R6,205	R5,153	R7,633	55,876
North Dakota	R307	R320	R489	R892	R1,644	R1,703	R2,307	11,810
Ohio	R4,685	R5,040	R7,188	R8,459	R20,894	R18,787	R25,666	152,478
Oklahoma	R1,449	R1,551	R1,872	R2,355	R3,479	R4,396	R7,097	R37,064
Oregon	R890	R1,195	R1,674	R2,466	R3,318	R4,110	R5,864	26,667
Pennsylvania	R4,818	R5,072	R7,328	R9,184	R20,573	R18,873	R22,984	142,724
Rhode Island	R262	R297	R536	R749	R1,883	R1,501	R1,840	10,744
South Carolina	R1,393	R1,273	R1,513	R1,488	R2,489	R2,105	R2,814	23,734
South Dakota	R302	R341	R488	R756	R1,294	R1,344	R1,973	10,439
Tennessee	R2,051	R2,123	R2,559	R2,506	R5,230	R5,140	R7,133	R49,809
Texas	R10,427	R10,176	R11,204	R12,125	R14,586	16,435	23,843	164,306
Utah	R1,281	R1,727	R1,958	R3,171	R3,419	R4,609	R7,780	39,066
Vermont	R292	194	R332	R375	R774	R678	R814	6,251
Virginia	3,354	R2,985	R3,875	R4,071	R8,574	R7,248	R9,667	67,553
Washington	R2,222	R2,464	R3,505	R4,786	R6,434	R7,492	R9,551	51,634
West Virginia	R968	R1,018	R1,219	R1,558	R2,754	R2,535	R3,069	22,698
Wisconsin	R2,883	R3,068	R4,498	R6,319	R11,248	R10,879	R15,389	R88,679
Wyoming	R408	R519	R938	R1,098	R1,714	R1,885	R2,406	13,425
Total	R133,637	R138,042	R178,475	R211,980	R371,604	R359,433	R479,288	R3,109,584

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2016-2018
(million cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	3,314	2,270	1,502	1,029	1,045	1,007	1,171	1,235
Alaska	2,277	1,986	1,400	866	639	566	664	826
Arizona	4,017	2,925	2,197	1,984	1,947	1,960	2,114	2,397
Arkansas	6,235	4,035	3,024	2,732	2,602	2,468	2,561	2,879
California	28,868	22,313	17,303	16,696	17,665	15,669	16,005	16,478
Colorado	9,068	5,113	2,823	1,812	1,494	1,637	1,833	3,120
Connecticut	7,106	4,847	3,180	2,467	2,463	2,444	2,107	2,826
Delaware	1,865	1,259	862	596	566	519	516	668
District of Columbia	2,011	1,577	898	675	699	688	639	877
Florida	5,912	5,252	4,706	4,549	4,283	4,637	4,546	4,878
Georgia	7,639	4,604	2,574	2,086	2,066	2,007	2,052	2,437
Hawaii	210	205	201	212	202	192	190	187
Idaho	3,274	1,658	1,266	811	712	668	664	865
Illinois	35,004	17,391	12,700	8,283	7,988	7,986	7,348	10,636
Indiana	13,295	6,368	4,328	2,719	2,477	2,087	2,175	3,276
Iowa	8,367	4,181	2,969	2,053	1,827	1,758	1,604	2,134
Kansas	5,714	2,687	2,056	1,640	1,674	1,607	1,723	2,045
Kentucky	5,920	2,991	1,698	1,176	1,127	1,066	1,012	1,523
Louisiana	3,405	2,449	2,094	1,902	1,969	1,784	1,815	2,109
Maine	1,319	771	523	291	280	284	311	471
Maryland	9,758	6,916	4,184	3,228	2,978	2,883	3,249	4,159
Massachusetts	15,614	10,251	7,159	4,249	4,040	3,804	3,735	5,675
Michigan	24,658	13,187	8,229	5,363	5,186	5,030	5,237	8,584
Minnesota	14,792	8,031	5,391	2,948	2,840	2,674	3,075	4,573
Mississippi	2,369	1,610	1,097	988	972	949	1,158	1,192
Missouri	10,063	5,473	2,951	1,981	2,119	2,039	2,033	2,666
Montana	3,947	2,238	1,556	934	742	732	764	1,136
Nebraska	4,892	2,339	1,259	954	930	960	1,048	1,267
Nevada	4,003	2,639	2,154	1,836	1,723	1,771	1,783	2,183
New Hampshire	1,486	892	365	234	203	200	248	381
New Jersey	23,599	11,716	7,835	7,339	8,213	8,165	7,963	8,929
New Mexico	3,981	3,332	1,534	1,170	1,053	1,009	1,117	1,249
New York	40,052	27,357	20,743	14,980	16,361	15,036	14,898	16,834
North Carolina	7,468	5,301	3,360	2,792	2,791	2,585	2,583	2,879
North Dakota	2,344	1,034	795	356	300	303	296	422
Ohio	24,175	14,607	8,563	4,897	4,901	4,191	4,163	6,641
Oklahoma	6,770	2,879	1,878	1,619	1,576	1,424	1,499	2,004
Oregon	5,055	2,520	1,949	1,071	697	926	1,046	1,318
Pennsylvania	23,333	13,683	8,461	4,845	4,607	4,419	4,886	6,755
Rhode Island	1,843	1,019	572	233	167	174	234	549
South Carolina	2,840	2,424	1,588	1,284	1,300	1,135	1,255	1,395
South Dakota	1,968	964	590	349	298	299	302	482
Tennessee	8,028	4,716	2,548	2,049	1,957	1,948	1,945	2,522
Texas	19,848	12,834	10,547	9,892	9,890	9,940	11,194	10,404
Utah	7,032	4,221	1,971	1,358	1,036	1,245	1,083	2,026
Vermont	845	575	495	353	355	350	310	290
Virginia	8,363	7,390	4,447	2,938	2,754	2,736	3,134	3,411
Washington	8,699	4,816	3,829	2,518	2,192	2,290	2,466	2,855
West Virginia	3,164	2,079	1,350	999	1,007	1,065	989	1,216
Wisconsin	14,625	7,421	4,882	3,140	3,058	2,865	3,160	4,577
Wyoming	2,256	1,253	851	556	467	431	435	856
Total	462,687	280,600	191,437	142,031	140,436	134,609	138,340	171,297

See footnotes at end of table.

Table 15. Natural gas deliveries to commercial consumers, by state, 2016-2018
(million cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	R1,488	R1,816	R3,092	4,582
Alaska	1,201	1,664	1,753	2,110
Arizona	R2,723	R3,066	R3,762	R4,918
Arkansas	R3,143	4,237	R5,576	R6,318
California	R17,218	R20,549	R21,460	R26,743
Colorado	R4,606	R6,191	R7,280	R9,288
Connecticut	3,746	5,111	6,810	R7,153
Delaware	898	1,071	1,595	1,926
District of Columbia	1,222	1,297	2,469	2,596
Florida	R5,279	5,668	R6,135	R6,679
Georgia	R3,221	R4,392	7,910	R10,341
Hawaii	R200	R195	R192	R197
Idaho	1,009	R1,734	2,111	2,827
Illinois	16,018	R21,675	R31,008	R36,445
Indiana	R5,162	R6,491	R11,412	R14,341
Iowa	R3,531	R4,933	R7,139	R8,918
Kansas	R2,124	R2,969	R4,496	R6,023
Kentucky	1,798	3,178	R5,408	R6,623
Louisiana	R2,136	R2,247	R2,777	R4,243
Maine	789	1,018	1,168	1,333
Maryland	R5,514	6,514	9,691	R11,424
Massachusetts	R8,886	R10,864	R14,235	R16,338
Michigan	R14,403	R18,468	R24,382	R25,886
Minnesota	R7,290	R10,263	R14,112	R16,600
Mississippi	R1,019	R1,435	R2,208	3,137
Missouri	3,235	R5,205	R8,517	R10,686
Montana	1,461	2,230	2,390	3,184
Nebraska	1,817	2,565	3,846	5,094
Nevada	2,421	2,801	3,408	4,404
New Hampshire	716	962	1,283	1,539
New Jersey	11,456	15,021	19,959	22,901
New Mexico	1,558	2,196	R2,815	R3,942
New York	R23,284	R28,203	R39,285	R45,539
North Carolina	3,743	R4,281	R7,910	R10,183
North Dakota	1,026	1,189	1,629	2,115
Ohio	R12,085	R14,931	R23,507	R29,819
Oklahoma	R2,122	R3,299	R4,864	R7,129
Oregon	1,797	2,922	3,165	4,202
Pennsylvania	R10,708	R13,281	R21,414	R26,331
Rhode Island	977	1,247	1,747	1,983
South Carolina	1,849	1,845	2,982	3,836
South Dakota	820	1,053	1,395	1,918
Tennessee	2,854	R4,180	R7,279	R9,783
Texas	R12,955	R14,500	R18,764	R23,538
Utah	2,794	4,002	5,361	6,937
Vermont	520	523	724	911
Virginia	5,150	R6,296	R9,338	R11,597
Washington	R3,115	R5,552	R5,867	R7,434
West Virginia	1,656	R2,330	R3,075	R3,768
Wisconsin	R7,205	R9,265	R13,209	R15,271
Wyoming	1,107	1,521	R1,634	R2,059
Total	R233,059	R298,447	R413,548	R503,093

^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: U.S. 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, 2016-2018

(million cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	117,855	114,392	115,499	16,027	R16,033	R16,618	R16,632	R17,536
Alaska	3,021	2,761	2,073	415	363	392	352	439
Arizona	11,617	11,419	11,580	1,427	R1,454	R1,581	R1,633	R1,788
Arkansas	NA	57,746	51,109	7,861	R7,618	R8,164	R8,862	R9,051
California	435,978	431,497	439,695	66,120	R61,794	R63,220	R60,237	R63,615
Colorado	51,558	50,414	47,238	5,394	R5,332	R6,156	R7,498	R8,209
Connecticut	14,635	14,539	14,246	1,785	1,696	1,614	1,905	R2,520
Delaware	NA	16,747	18,134	NA	NA	NA	NA	NA
District of Columbia	0	0	0	0	0	0	0	0
Florida	NA	60,263	60,763	7,004	NA	R8,780	R9,002	R9,867
Georgia	91,558	88,543	90,354	12,767	R12,877	R12,780	R12,864	R14,189
Hawaii	NA	51	49	8	8	8	8	7
Idaho	19,427	20,829	19,774	2,285	2,244	2,458	2,541	3,270
Illinois	150,877	147,594	149,149	17,863	R16,728	R17,685	R21,568	R24,356
Indiana	NA	219,483	225,564	33,565	R31,796	R34,496	R34,679	R39,247
Iowa	144,365	139,896	105,477	19,906	R18,735	R18,991	R20,552	R22,276
Kansas	77,648	72,716	71,853	11,250	R9,934	R10,272	R10,951	R11,204
Kentucky	69,193	66,401	68,313	8,112	R7,834	R8,648	R9,996	R11,328
Louisiana	NA	624,245	609,404	93,811	R95,929	R96,531	R91,519	R93,184
Maine	10,497	10,138	11,185	1,448	R1,189	R1,152	R1,468	R1,703
Maryland	NA	9,058	9,066	1,287	NA	R1,482	NA	NA
Massachusetts	30,442	29,206	28,121	2,558	R2,964	R3,153	R5,029	R5,274
Michigan	NA	98,706	102,141	11,267	R11,666	R12,204	R15,346	R18,246
Minnesota	94,603	97,592	98,064	11,401	R10,875	R11,979	R13,598	R14,896
Mississippi	79,809	73,778	68,865	10,490	R11,155	R11,533	R11,955	R11,777
Missouri	38,526	36,727	38,256	4,372	R4,346	R4,303	R5,545	R6,225
Montana	14,497	11,283	11,889	2,121	R2,044	R1,888	R1,744	R2,099
Nebraska	49,526	51,531	49,466	7,289	R6,517	R6,432	R6,953	R7,321
Nevada	NA	10,944	10,408	NA	1,534	1,518	R1,646	1,851
New Hampshire	NA	5,680	5,102	686	R689	R779	R871	R916
New Jersey	NA	33,050	35,062	3,584	R3,459	NA	NA	NA
New Mexico	NA	8,820	9,430	1,424	R1,449	R1,603	NA	R1,506
New York	NA	47,185	47,176	6,275	NA	R5,842	R8,231	R8,806
North Carolina	NA	60,434	62,237	8,717	R8,773	R8,942	R9,817	R11,028
North Dakota	20,113	19,334	17,532	2,861	R2,761	R2,507	R3,158	R2,898
Ohio	171,458	162,486	164,632	19,531	R20,453	R21,812	R24,820	R27,130
Oklahoma	120,948	116,144	115,711	15,301	R16,083	R17,685	R17,743	R18,194
Oregon	31,916	34,266	33,561	3,986	R4,174	R4,314	R4,572	R5,035
Pennsylvania	135,546	127,090	123,578	17,002	R16,727	R17,706	R20,183	R21,739
Rhode Island	5,237	5,083	4,966	623	652	741	809	727
South Carolina	NA	52,273	51,417	7,487	R7,579	R7,779	R8,205	NA
South Dakota	NA	26,512	25,747	3,530	R3,576	R3,591	NA	R3,942
Tennessee	NA	79,101	71,299	11,173	R11,610	R11,132	R12,717	R12,060
Texas	1,036,539	966,280	937,858	153,149	R145,163	R150,337	R147,085	R149,515
Utah	23,860	23,852	23,047	2,941	3,152	3,223	3,449	3,361
Vermont	1,325	1,274	1,277	154	156	173	193	219
Virginia	NA	54,984	51,798	7,762	NA	R7,771	R7,558	R8,194
Washington	NA	46,276	45,172	5,806	R5,806	R5,935	R6,241	NA
West Virginia	19,975	21,977	17,259	2,840	R2,508	R2,502	R2,590	R2,917
Wisconsin	98,427	88,893	84,915	10,546	R10,590	R11,949	R14,827	R15,964
Wyoming	NA	31,615	29,735	4,555	R4,081	NA	R4,763	R4,989
Total	4,818,640	4,581,109	4,486,246	652,001	R637,040	R659,402	R685,481	R726,047

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2016-2018

(million cubic feet) – continued

State	2018			2017				
	February	January	Total	December	November	October	September	August
Alabama	R16,146	R18,864	R196,686	R18,546	R16,591	R15,959	R15,361	R15,837
Alaska	525	535	R4,156	R395	R305	R239	R215	R241
Arizona	R1,766	R1,966	R19,250	R1,999	R1,498	R1,573	R1,387	R1,374
Arkansas	R8,829	NA	R100,251	R9,549	R8,536	R8,717	R7,766	R7,936
California	R57,100	R63,893	R760,661	R66,073	R62,097	R64,587	R67,363	R69,045
Colorado	R9,232	R9,736	R84,914	R9,236	R7,830	R6,938	R5,080	R5,415
Connecticut	R2,340	R2,776	R24,557	R2,604	2,348	R1,664	R1,665	R1,737
Delaware	NA	R3,963	29,860	R2,511	2,534	2,647	2,927	2,492
District of Columbia	0	0	0	0	0	0	0	0
Florida	R7,889	R10,123	R103,417	R9,700	R8,977	R8,841	R7,277	R8,360
Georgia	R11,966	R14,116	R150,172	R13,801	R13,207	R11,771	R10,375	R12,475
Hawaii	7	NA	85	5	7	7	8	8
Idaho	3,099	3,529	R35,856	R3,492	R3,326	R3,248	R2,701	R2,259
Illinois	R23,803	R28,874	R258,841	R28,905	R24,949	R20,943	R18,252	R18,199
Indiana	R37,558	NA	R379,118	R39,292	R32,914	R29,353	R29,286	R28,791
Iowa	R20,873	R23,032	241,187	R23,040	R21,394	18,916	R18,558	R19,383
Kansas	R11,183	R12,855	R127,653	R12,437	R11,451	R9,490	R10,383	R11,177
Kentucky	R10,924	R12,352	R113,582	R11,385	R10,094	R9,133	R8,186	R8,383
Louisiana	R90,394	NA	R1,096,400	R100,026	R95,589	R93,604	R89,667	R93,269
Maine	R1,637	R1,900	R17,698	R1,892	R1,752	R1,396	R1,291	R1,229
Maryland	NA	R2,093	R15,744	R1,549	R1,545	R1,255	R1,205	R1,133
Massachusetts	R5,340	R6,125	47,004	R5,754	R4,138	2,860	R2,524	R2,521
Michigan	NA	R19,443	R170,189	R19,301	R15,375	R13,700	R11,313	R11,794
Minnesota	R15,299	R16,557	165,901	15,419	R14,756	R12,890	R12,342	R12,902
Mississippi	R10,772	R12,126	R128,356	R11,839	R11,234	R10,449	R10,432	R10,624
Missouri	R6,762	R6,973	R63,158	R6,841	R5,617	R5,105	R4,311	R4,557
Montana	R2,259	R2,343	23,393	2,756	2,668	2,668	R2,088	R1,930
Nebraska	R7,383	R7,631	89,521	R8,325	7,795	R7,870	R6,724	R7,276
Nevada	1,675	R1,823	R19,269	R1,832	R1,646	R1,737	R1,530	R1,581
New Hampshire	NA	R947	R9,499	R941	R818	R725	R677	R658
New Jersey	NA	NA	54,298	R4,845	4,086	4,941	3,545	3,830
New Mexico	R1,314	R1,498	15,412	R1,486	1,304	R1,327	R1,215	R1,260
New York	R8,834	R9,652	R82,779	R9,123	R8,387	R6,613	R5,711	R5,760
North Carolina	R9,460	NA	R107,373	10,727	R10,190	R9,444	8,158	R8,420
North Dakota	R2,909	R3,020	R32,127	R3,244	R2,603	R2,658	R1,797	R2,491
Ohio	R27,015	R30,698	R277,767	R29,055	R25,226	R21,235	R20,375	R19,389
Oklahoma	R17,483	R18,458	R199,576	R17,611	R16,344	R17,006	R16,351	R16,119
Oregon	R4,610	R5,225	R57,849	R5,265	R4,791	R4,894	R4,363	R4,270
Pennsylvania	R19,444	R22,745	R219,028	R21,967	R20,038	R17,812	R16,507	R15,614
Rhode Island	843	842	8,551	773	709	641	673	672
South Carolina	R7,598	R7,463	R91,644	R8,265	R8,536	R8,064	R7,059	R7,447
South Dakota	R4,244	R4,267	R45,481	R4,246	R3,996	R3,530	R3,555	R3,642
Tennessee	R11,933	NA	134,555	12,987	R10,700	R10,473	R10,403	R10,891
Texas	R134,557	R156,733	1,681,634	R155,675	R146,275	142,341	R130,756	R140,307
Utah	3,797	3,937	R40,007	3,874	3,380	2,947	3,048	2,907
Vermont	204	224	2,191	226	204	166	158	164
Virginia	R8,179	R8,173	94,098	R8,239	R8,300	R7,583	R7,553	R7,439
Washington	R7,560	R7,651	R80,656	R7,720	R6,995	R7,290	R6,287	R6,088
West Virginia	R3,082	R3,535	R38,358	R3,596	R3,444	R3,193	R3,046	R3,101
Wisconsin	R16,229	R18,322	R154,920	R17,463	R14,978	R12,171	R10,461	R10,954
Wyoming	R4,928	R4,979	R54,512	R5,483	R4,635	R4,389	R4,192	R4,199
Total	R688,563	R770,106	R7,949,199	R761,315	R696,113	R657,005	R616,109	R637,549

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2016-2018
(million cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	R15,690	R15,792	R16,284	R15,914	R17,380	R15,521	R17,810	192,424
Alaska	R200	R341	R374	R403	R473	R468	R502	4,268
Arizona	R1,331	R1,348	R1,560	R1,582	R1,753	R1,780	R2,064	19,765
Arkansas	R7,577	R7,754	R8,214	R7,911	R8,428	R8,369	R9,493	87,876
California	R64,345	R60,312	R62,370	R60,361	R62,969	R56,866	R64,275	R774,503
Colorado	R5,273	R5,382	R6,685	R7,107	R7,806	R7,890	R10,271	80,432
Connecticut	R1,750	R1,691	R1,756	R1,848	R2,633	R2,217	R2,644	24,271
Delaware	2,272	2,424	2,316	1,837	2,353	2,657	2,888	31,457
District of Columbia	0	0	0	0	0	0	0	0
Florida	R8,082	R7,874	R8,590	R8,494	R9,403	R8,369	R9,450	103,658
Georgia	R12,212	R12,582	R12,594	R11,774	R13,764	R12,166	R13,451	R152,311
Hawaii	R7	R7	R7	R7	R8	R7	R8	R83
Idaho	R2,470	R2,453	R2,739	R2,817	R3,180	R3,273	R3,897	34,761
Illinois	R17,082	R17,387	R19,237	R20,040	R23,713	R22,906	R27,228	254,682
Indiana	R28,373	R27,048	R28,706	R30,510	R34,796	R32,500	R37,551	370,944
Iowa	R19,224	R19,011	R19,588	R19,374	R21,556	R19,552	R21,591	189,618
Kansas	R11,787	R10,250	R9,317	R10,133	R10,059	R10,103	R11,066	R124,071
Kentucky	R7,998	R8,470	R9,191	R9,028	R10,431	R9,855	R11,429	115,201
Louisiana	R90,756	R88,608	R89,293	R88,029	R90,433	R82,593	R94,532	1,048,751
Maine	R1,300	R1,200	R1,257	R1,435	R1,634	R1,567	R1,745	18,983
Maryland	R1,183	R1,294	R1,234	R1,040	R1,535	R1,281	R1,490	15,400
Massachusetts	R2,494	R2,712	R3,205	R4,319	R5,615	R5,144	R5,717	45,721
Michigan	R10,642	R10,688	R12,253	R12,863	R17,286	R16,158	R18,815	R172,006
Minnesota	R12,244	R12,617	R12,857	R13,737	R14,916	R14,740	R16,480	162,818
Mississippi	R10,028	R10,107	R10,741	R10,451	R11,032	R10,303	R11,114	R116,105
Missouri	R4,367	R4,327	R4,679	R4,834	R5,869	R5,637	R7,014	63,630
Montana	R1,817	R1,470	R1,158	R1,341	R1,731	R1,724	R2,042	R21,233
Nebraska	R7,653	R6,272	R6,928	R7,076	R7,413	R7,670	R8,520	91,021
Nevada	R1,454	R1,482	R1,470	R1,526	R1,672	R1,518	R1,821	18,327
New Hampshire	R680	R676	R759	R853	R911	R910	R892	8,454
New Jersey	4,099	4,479	R4,363	4,045	5,556	R5,033	R5,475	60,910
New Mexico	R1,265	R1,221	R1,277	1,214	1,122	R1,212	R1,509	16,109
New York	R5,605	R5,445	R5,516	R6,385	R8,235	R7,536	R8,464	R80,850
North Carolina	R7,805	8,109	R8,311	8,284	9,631	8,662	9,633	105,504
North Dakota	R2,506	R2,749	R2,849	R2,900	R3,045	R2,358	R2,928	31,232
Ohio	R19,040	R18,629	R21,099	R22,328	R26,700	R25,763	R28,927	275,358
Oklahoma	R15,682	R15,878	R16,580	R17,059	R17,746	R15,395	R17,804	R193,703
Oregon	R4,137	R4,399	R4,747	R4,780	R5,208	R5,093	R5,901	57,760
Pennsylvania	R15,801	R15,971	R16,819	R17,066	R21,082	R19,076	R21,275	212,253
Rhode Island	644	660	666	799	716	791	806	8,474
South Carolina	R6,996	R7,138	R7,435	R7,212	R8,092	R7,251	R8,149	88,148
South Dakota	R3,589	R3,569	R3,663	R3,632	R3,932	R3,812	R4,314	44,570
Tennessee	R10,480	R10,639	R11,033	R10,673	R11,984	R11,690	R12,602	R122,953
Texas	R142,969	R139,976	R133,114	R131,927	R140,426	R132,346	145,522	1,649,759
Utah	3,035	3,112	R3,247	3,480	3,390	3,810	3,779	38,568
Vermont	158	158	158	167	215	196	222	2,172
Virginia	6,704	R7,845	R7,899	R8,037	R8,477	R8,079	R7,943	88,422
Washington	R5,935	R5,952	R6,065	R6,277	R7,011	R6,861	R8,175	79,275
West Virginia	R2,953	R3,005	R2,931	R2,734	R3,468	R3,228	R3,658	32,281
Wisconsin	R10,268	R9,988	R11,080	R11,765	R15,105	R13,844	R16,843	R144,801
Wyoming	R3,973	R4,015	R4,380	R4,591	R4,948	R4,618	R5,089	52,810
Total	R623,935	R614,517	R628,595	R632,002	R696,841	R650,397	R734,820	R7,728,688

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2016-2018

(million cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	R17,008	R15,519	R15,062	R14,459	R14,876	R14,949	R15,396	R16,896
Alaska	466	493	538	436	261	307	363	261
Arizona	1,914	1,646	R1,664	1,576	1,386	1,334	1,542	1,591
Arkansas	R8,486	R7,552	R7,040	R6,647	R7,042	R6,584	R6,588	R7,024
California	66,492	R62,917	63,793	R68,838	72,768	R66,480	62,672	63,228
Colorado	R9,453	R7,221	R6,109	R5,165	R5,245	R5,117	R4,982	6,141
Connecticut	R2,671	2,213	1,745	1,663	1,733	1,685	1,602	1,714
Delaware	2,776	2,573	2,742	2,659	2,573	2,690	2,333	2,643
District of Columbia	0	0	0	0	0	0	0	0
Florida	9,226	8,626	R8,459	R8,153	R8,430	R8,339	7,619	8,566
Georgia	R13,477	R12,606	R12,638	R11,521	R11,715	R11,878	R11,834	R12,662
Hawaii	R6	R6	R7	R7	R9	R8	R6	R7
Idaho	3,788	3,171	3,117	2,659	2,252	2,524	2,136	2,462
Illinois	R27,068	R22,155	R20,311	R18,509	R17,490	R17,546	R16,347	R18,791
Indiana	R37,404	R28,293	R24,640	R27,079	R27,964	R29,019	R29,036	R31,205
Iowa	R20,144	R18,423	R16,354	R14,196	R15,025	R14,362	R14,127	R14,314
Kansas	R12,773	R9,908	R9,143	R8,334	R12,061	R10,987	R9,304	R9,241
Kentucky	11,095	10,031	R9,002	8,199	8,561	8,169	8,237	9,171
Louisiana	R93,894	R88,053	R85,526	R84,510	R87,364	R88,601	R85,217	R87,931
Maine	R1,528	R1,407	R1,692	R1,586	R1,584	R1,565	R1,415	R1,569
Maryland	R1,634	R1,147	R1,302	R1,021	R1,230	R1,246	R1,084	R1,217
Massachusetts	R5,214	R4,191	R3,312	R2,481	R2,402	R2,466	R2,832	R3,161
Michigan	R18,444	14,564	R13,227	R12,156	R11,474	10,754	R11,265	11,856
Minnesota	R16,003	R13,777	R12,022	R10,872	R12,081	R12,192	R11,710	R12,504
Mississippi	R10,738	R9,931	R8,326	R8,675	9,571	R9,590	R9,838	9,772
Missouri	R6,736	R5,256	R4,457	R4,627	R4,299	R4,450	R4,383	R4,950
Montana	R1,857	R2,132	R1,875	R1,840	R1,639	1,661	R1,508	R1,660
Nebraska	R8,388	R8,304	R8,066	R7,636	R9,161	R8,443	R7,125	6,787
Nevada	R1,826	1,517	R1,629	R1,509	R1,438	R1,391	1,427	1,477
New Hampshire	R768	R722	R653	R623	R587	R593	R568	R680
New Jersey	R5,368	4,500	R5,411	R5,188	R5,381	R5,638	R5,274	R4,369
New Mexico	R1,524	1,393	1,321	1,232	1,209	1,252	1,220	1,297
New York	R8,722	R7,103	R6,423	R5,591	R5,835	R5,452	R5,384	R5,161
North Carolina	R9,626	R8,939	R8,628	R7,701	R8,374	R7,745	R7,671	R8,442
North Dakota	R2,615	R3,016	R3,194	R2,862	R2,013	R2,176	R2,782	R2,811
Ohio	R27,736	R23,434	R21,355	R19,318	R18,882	R19,109	R19,658	R21,364
Oklahoma	R17,713	R15,596	R15,060	R13,868	R15,755	R15,913	R15,793	R17,437
Oregon	R5,707	R4,759	R4,927	R4,473	R4,334	R4,258	R4,280	R4,580
Pennsylvania	R20,665	19,496	17,368	R14,881	R16,265	R14,825	R14,580	R15,741
Rhode Island	734	677	694	742	662	605	652	691
South Carolina	R7,957	7,852	7,159	6,862	6,901	R6,770	R7,011	7,448
South Dakota	R4,106	R3,952	3,565	R3,537	R3,662	R3,402	3,386	3,480
Tennessee	R12,160	R10,532	R9,986	R9,338	R9,638	R9,289	R9,493	R9,394
Texas	R154,444	R140,148	R137,229	R136,898	R143,182	R142,462	R128,351	R128,630
Utah	3,460	3,201	3,130	2,995	2,735	2,822	3,036	3,073
Vermont	217	199	185	153	140	140	151	167
Virginia	R7,661	R7,546	6,455	R7,531	R7,432	R7,352	R7,195	R6,894
Washington	R7,901	6,687	7,137	6,414	5,964	6,013	5,731	R5,759
West Virginia	R3,406	R3,319	R3,002	R2,710	R2,586	R2,715	R2,417	2,093
Wisconsin	R16,022	R12,478	R11,393	R9,927	R10,067	R9,335	R9,793	R10,206
Wyoming	5,173	R4,937	4,648	4,013	4,304	4,274	4,040	4,159
Total	R734,194	R654,119	R622,720	R603,868	R627,541	R616,480	R590,392	R612,675

See footnotes at end of table.

Table 16. Natural gas deliveries to industrial consumers, by state, 2016-2018
(million cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	R16,023	R16,861	R16,687	R18,689
Alaska	183	237	243	479
Arizona	1,582	1,708	1,793	2,030
Arkansas	R7,097	R7,563	R7,673	R8,580
California	61,518	R62,641	R58,878	R64,278
Colorado	R6,624	R7,543	R7,705	R9,126
Connecticut	1,921	2,044	2,517	R2,763
Delaware	2,464	2,666	2,517	2,821
District of Columbia	0	0	0	0
Florida	R8,977	9,069	8,655	9,538
Georgia	R12,372	R13,421	R13,817	R14,370
Hawaii	R7	R6	R7	R7
Idaho ^a	2,492	3,184	3,333	3,644
Illinois	R20,144	R23,105	R25,499	R27,716
Indiana	31,458	R33,805	R34,111	R36,930
Iowa	R13,992	R15,810	R15,850	R17,022
Kansas	R9,362	R10,366	R10,736	R11,858
Kentucky	9,448	10,354	R10,914	12,020
Louisiana	R85,724	R88,194	R83,366	R90,371
Maine	R1,603	R1,800	R1,550	R1,685
Maryland	1,264	R1,528	R1,416	R1,311
Massachusetts	R4,160	R4,604	R5,317	R5,581
Michigan	14,586	R16,471	R18,123	R19,086
Minnesota	R13,333	R15,566	R15,388	R17,372
Mississippi	R9,646	R9,098	R10,106	R10,814
Missouri	R4,937	R5,553	R7,122	R6,860
Montana	1,459	1,690	R1,851	R2,061
Nebraska	R6,588	R6,730	R6,541	R7,251
Nevada	R1,512	1,556	1,442	R1,603
New Hampshire	R726	R803	R862	R869
New Jersey	4,820	R4,181	R4,731	R6,048
New Mexico	1,234	1,437	R1,449	1,541
New York	R6,993	R7,821	R8,250	R8,114
North Carolina	8,635	R9,197	R10,050	R10,497
North Dakota	R2,083	R2,665	R2,263	R2,753
Ohio	22,601	R24,852	R27,286	R29,762
Oklahoma	R16,462	R16,558	R15,612	R17,935
Oregon	R4,618	R5,105	R4,998	R5,723
Pennsylvania	17,592	R19,230	R20,507	R21,103
Rhode Island	728	760	799	730
South Carolina	R7,465	R7,539	7,284	R7,900
South Dakota	3,645	R3,785	R3,932	4,117
Tennessee	9,550	R10,158	R11,181	R12,233
Texas	R126,871	R137,784	R131,520	142,240
Utah	3,569	3,376	3,600	3,571
Vermont	192	204	204	220
Virginia	R7,179	R7,455	R7,101	R8,622
Washington	6,304	R6,606	6,795	7,964
West Virginia	R2,287	R2,513	R2,566	R2,669
Wisconsin	R11,961	R13,086	R14,381	R16,152
Wyoming	4,054	4,405	4,263	4,539
Total	R620,045	R662,694	R662,790	R721,171

^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: U.S. 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, 2016-2018

(million cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	244,269	216,976	236,446	44,970	38,842	39,225	33,357	29,693
Alaska	17,057	13,497	16,837	3,588	2,326	1,893	1,950	2,643
Arizona	137,669	116,949	148,377	37,155	27,027	20,602	17,279	11,851
Arkansas	93,160	78,246	83,009	16,464	14,993	13,841	13,618	11,030
California	317,331	299,450	356,149	84,019	41,860	29,140	32,007	43,270
Colorado	73,584	55,987	60,599	14,693	12,051	10,449	7,557	8,485
Connecticut	71,178	58,503	71,510	14,046	11,451	8,621	8,968	10,189
Delaware	22,847	28,238	30,626	3,883	2,714	3,636	3,694	3,822
District of Columbia	--	--	*	--	--	--	--	--
Florida	714,110	679,357	700,715	130,055	119,188	104,555	96,627	91,410
Georgia	227,888	212,911	230,234	43,451	37,131	34,680	24,056	27,357
Hawaii	--	--	--	--	--	--	--	--
Idaho	10,054	10,022	13,252	3,113	1,788	956	850	972
Illinois	71,876	67,641	84,913	18,704	11,939	12,162	7,117	7,610
Indiana	116,400	82,834	101,435	21,151	19,088	16,156	14,816	14,158
Iowa	27,852	12,604	13,091	5,870	4,647	4,783	3,977	3,178
Kansas	21,459	12,707	11,107	4,615	4,442	5,133	2,476	1,882
Kentucky	66,029	48,653	39,176	10,711	8,106	9,491	7,271	9,202
Louisiana	174,253	153,634	208,465	33,548	29,276	29,251	19,879	18,682
Maine	W	W	13,286	2,184	1,659	W	1,057	1,493
Maryland	54,339	26,927	28,996	11,672	8,302	11,099	7,484	6,800
Massachusetts	81,061	96,830	93,812	17,531	10,389	8,643	8,432	12,342
Michigan	149,316	119,072	144,617	23,236	19,107	23,649	22,123	23,270
Minnesota	40,391	29,728	42,247	8,925	5,508	5,732	5,440	5,680
Mississippi	227,122	199,380	216,891	39,624	33,522	33,976	29,715	26,985
Missouri	35,462	24,820	31,772	7,499	6,233	6,370	2,702	4,248
Montana	2,505	2,636	3,173	556	308	373	305	296
Nebraska	W	3,288	3,293	1,285	612	1,038	W	240
Nevada	113,517	110,949	123,962	25,297	19,325	14,335	13,228	13,563
New Hampshire	10,076	14,236	17,710	4,186	3,043	850	616	242
New Jersey	167,388	164,716	188,715	35,079	24,933	22,410	22,541	24,414
New Mexico	53,354	44,235	47,752	10,947	9,587	8,481	7,298	5,982
New York	230,085	230,101	269,642	52,928	36,837	31,825	27,348	27,985
North Carolina	189,823	161,580	174,955	38,338	30,191	25,094	20,967	27,857
North Dakota	W	5,304	5,632	1,309	852	W	742	918
Ohio	167,835	109,758	125,503	29,014	24,298	22,828	22,186	22,615
Oklahoma	185,219	133,191	164,306	41,810	35,375	34,372	21,501	16,418
Oregon	48,600	36,934	51,686	11,977	4,262	2,982	5,236	9,451
Pennsylvania	293,146	237,639	279,230	57,422	46,463	36,933	37,196	41,205
Rhode Island	24,848	23,186	28,057	5,152	4,111	3,640	3,350	3,183
South Carolina	89,756	76,970	72,874	21,565	17,537	12,458	8,793	10,345
South Dakota	W	W	4,636	1,163	602	W	W	491
Tennessee	52,889	44,968	50,350	11,325	8,942	5,431	5,772	7,171
Texas	940,491	782,414	919,753	201,396	157,291	144,825	101,452	106,218
Utah	30,734	23,375	36,906	8,774	4,516	3,801	3,233	3,390
Vermont	7	7	3	2	2	*	2	1
Virginia	212,113	185,143	168,108	39,464	36,762	28,899	21,100	27,607
Washington	41,291	35,949	42,522	11,931	5,499	3,327	4,120	5,992
West Virginia	W	W	6,229	1,429	939	W	1,213	W
Wisconsin	70,813	52,845	78,598	15,365	10,709	8,452	6,368	10,368
Wyoming	W	W	962	295	130	W	W	32
Total	5,949,571	5,143,475	5,842,119	1,228,714	954,717	850,566	708,118	742,528

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2016-2018

(million cubic feet) – continued

State	2018			2017				
	February	January	Total	December	November	October	September	August
Alabama	24,476	33,707	387,460	30,027	30,663	31,968	35,935	41,891
Alaska	2,066	2,591	27,141	2,879	2,287	2,739	2,590	3,148
Arizona	11,987	11,768	222,843	15,583	12,775	21,580	24,782	31,174
Arkansas	10,968	12,246	133,042	12,806	6,552	10,535	10,781	14,121
California	41,441	45,594	597,171	50,535	48,013	58,492	62,609	78,072
Colorado	9,999	10,349	98,427	8,882	6,641	6,431	9,209	11,276
Connecticut	8,596	9,306	107,213	10,080	10,253	9,317	8,206	10,854
Delaware	2,696	2,402	45,793	2,622	2,381	3,671	3,758	5,123
District of Columbia	--	--	*	*	--	--	--	--
Florida	81,758	90,516	1,196,155	86,507	83,018	106,714	112,489	128,071
Georgia	27,457	33,757	377,452	32,831	26,920	29,911	33,691	41,187
Hawaii	--	--	--	--	--	--	--	--
Idaho	1,054	1,320	20,214	2,067	1,608	2,046	2,004	2,466
Illinois	3,572	10,770	116,882	9,016	7,543	8,982	11,325	12,376
Indiana	13,586	17,444	151,820	16,492	12,651	12,159	13,843	13,840
Iowa	2,468	2,928	27,706	3,249	2,098	2,623	3,197	3,935
Kansas	1,255	1,657	23,257	1,582	1,563	2,518	2,034	2,852
Kentucky	6,888	14,360	84,878	8,188	7,550	5,319	6,666	8,501
Louisiana	18,739	24,878	272,156	21,902	15,618	26,045	25,718	29,240
Maine	466	W	19,088	1,601	W	W	W	W
Maryland	4,920	4,061	51,303	5,044	5,218	3,262	5,952	4,900
Massachusetts	11,349	12,374	163,128	13,410	9,884	12,070	13,431	17,504
Michigan	16,697	21,235	216,285	21,153	16,756	19,250	18,700	21,353
Minnesota	4,124	4,983	58,713	5,661	4,496	5,591	5,964	7,274
Mississippi	26,438	36,863	346,990	31,169	24,528	25,870	29,682	36,360
Missouri	3,521	4,888	44,834	3,383	3,547	W	4,698	4,582
Montana	306	360	5,118	450	340	434	532	727
Nebraska	177	266	5,531	284	282	319	588	769
Nevada	13,052	14,717	196,646	14,765	14,037	16,823	17,643	22,428
New Hampshire	223	916	25,975	1,429	1,850	1,668	3,324	3,468
New Jersey	20,085	17,925	278,263	23,081	18,584	21,751	23,629	26,502
New Mexico	5,755	5,303	75,644	6,207	4,903	5,982	6,601	7,717
New York	24,079	29,082	400,403	31,253	27,835	30,115	36,648	44,450
North Carolina	22,495	24,882	285,843	26,844	22,687	22,530	24,699	27,503
North Dakota	613	846	10,100	993	821	899	973	1,111
Ohio	20,483	26,412	205,619	21,547	20,491	15,269	17,640	20,914
Oklahoma	17,916	17,827	235,574	19,103	14,548	18,031	21,568	29,133
Oregon	5,985	8,707	88,673	11,711	8,347	10,577	9,407	11,698
Pennsylvania	37,073	36,855	440,807	33,147	32,340	45,997	44,848	46,837
Rhode Island	2,553	2,859	41,128	3,072	3,304	W	3,926	4,249
South Carolina	7,046	12,011	135,107	9,625	10,191	12,271	12,622	13,429
South Dakota	328	499	6,467	540	427	543	707	865
Tennessee	4,899	9,349	77,410	6,653	5,416	6,291	6,626	7,456
Texas	103,833	125,476	1,383,503	110,222	88,443	110,054	125,868	166,502
Utah	3,266	3,756	40,900	3,738	1,982	2,017	3,581	6,207
Vermont	1	--	12	1	1	*	1	1
Virginia	28,926	29,356	327,126	27,707	26,263	21,680	31,012	35,320
Washington	4,389	6,034	77,234	8,453	6,714	8,284	7,571	10,262
West Virginia	W	W	11,295	434	915	2,067	2,064	1,470
Wisconsin	9,690	9,861	104,470	10,144	8,004	10,295	10,809	12,373
Wyoming	143	W	1,268	154	90	55	116	219
Total	670,032	794,896	9,250,066	768,229	662,814	779,799	862,068	1,033,682

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2016-2018

(million cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	43,183	33,599	30,994	29,790	30,529	23,174	25,708	412,913
Alaska	3,075	1,798	1,398	1,510	1,916	1,470	2,331	28,224
Arizona	34,001	27,480	19,077	14,165	7,307	5,396	9,522	255,498
Arkansas	16,802	13,498	13,100	11,525	11,030	7,424	4,866	135,317
California	67,121	49,346	35,394	27,417	31,506	37,508	51,157	666,017
Colorado	12,634	8,919	7,299	7,343	5,826	5,680	8,285	96,923
Connecticut	10,807	7,911	6,513	7,058	7,920	8,140	10,154	123,024
Delaware	5,481	5,034	4,977	3,096	4,208	2,807	2,635	54,156
District of Columbia	--	--	--	--	--	--	--	*
Florida	125,089	109,736	110,008	93,552	90,505	72,938	77,530	1,181,451
Georgia	39,860	34,495	30,628	24,262	27,563	27,669	28,434	379,284
Hawaii	--	--	--	--	--	--	--	--
Idaho	2,481	1,336	1,018	1,049	1,324	1,077	1,738	23,311
Illinois	15,559	12,488	8,386	6,401	10,068	7,394	7,345	145,716
Indiana	15,322	11,947	7,722	9,715	14,366	11,093	12,669	174,685
Iowa	3,785	1,969	1,450	1,609	1,256	952	1,583	20,886
Kansas	4,037	2,604	1,598	1,520	1,451	621	874	20,399
Kentucky	10,869	7,897	6,451	6,616	7,421	4,293	5,106	66,359
Louisiana	30,216	26,532	23,915	20,939	21,216	15,835	14,982	330,541
Maine	W	W	W	W	W	W	1,402	22,366
Maryland	5,951	4,624	3,267	3,780	4,637	2,708	1,960	49,486
Massachusetts	17,273	15,120	13,217	13,630	13,567	11,524	12,498	156,433
Michigan	23,797	17,749	15,867	13,869	19,052	12,299	16,439	242,787
Minnesota	8,038	3,957	3,115	2,990	3,813	2,922	4,893	65,227
Mississippi	39,236	30,537	30,306	25,274	29,604	18,842	25,581	367,040
Missouri	5,821	4,260	2,943	2,696	3,538	2,583	2,978	52,480
Montana	634	315	319	333	343	288	404	5,363
Nebraska	1,513	450	342	210	358	143	273	5,791
Nevada	22,970	19,267	14,582	11,945	12,837	13,168	16,181	209,901
New Hampshire	2,923	2,505	1,776	3,572	1,464	893	1,104	33,841
New Jersey	31,311	26,603	22,211	20,150	26,548	17,255	20,637	326,982
New Mexico	9,181	8,075	6,116	4,531	5,096	5,004	6,231	81,274
New York	47,146	37,934	28,322	25,663	33,506	26,606	30,926	472,427
North Carolina	28,212	24,265	21,983	18,297	24,879	21,931	22,013	293,272
North Dakota	1,126	761	628	628	675	624	862	11,320
Ohio	21,142	17,010	14,752	11,832	15,964	13,968	15,089	212,528
Oklahoma	34,774	24,995	18,664	16,848	12,971	10,845	14,093	276,964
Oregon	9,828	3,116	2,020	2,330	3,256	5,735	10,649	107,003
Pennsylvania	49,613	38,393	27,745	25,534	32,555	30,334	33,465	501,116
Rhode Island	4,480	3,817	3,286	3,093	2,987	2,638	2,887	46,907
South Carolina	14,172	11,987	12,820	11,209	9,993	8,927	7,863	133,646
South Dakota	1,071	W	352	W	452	270	490	7,410
Tennessee	8,614	7,142	3,618	6,468	8,876	5,105	5,144	87,692
Texas	176,441	142,427	111,299	97,943	93,567	75,007	85,730	1,534,063
Utah	5,218	3,670	2,516	2,195	2,210	2,677	4,889	59,684
Vermont	*	1	2	*	2	1	2	14
Virginia	37,392	33,514	23,226	19,393	26,434	22,401	22,783	294,524
Washington	8,374	3,605	3,452	4,295	4,373	4,100	7,748	81,728
West Virginia	1,544	1,047	496	W	W	W	W	10,167
Wisconsin	13,683	8,059	5,542	5,611	7,853	5,223	6,873	119,613
Wyoming	292	85	W	55	W	27	97	1,514
Total	1,074,275	854,087	706,151	623,889	678,970	558,740	647,362	9,985,270

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2016-2018

(million cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	R31,015	R30,551	R31,645	R40,185	R43,070	R44,142	R39,006	R33,044
Alaska	R2,523	R2,469	R2,055	R2,150	R2,189	R2,351	R2,216	R2,405
Arizona	R9,591	R12,132	R20,783	R28,584	R36,031	R36,488	R31,042	R20,255
Arkansas	R7,146	R10,822	R9,016	R9,071	R16,253	R16,153	R17,126	R12,107
California	R54,108	R48,998	R63,461	R64,331	R78,970	R71,837	R61,452	R39,062
Colorado	R7,425	R5,795	R5,992	R6,920	R10,192	R11,729	R10,390	R8,004
Connecticut	R9,504	R9,848	R9,718	R10,069	R12,376	R11,628	R9,199	R10,245
Delaware	R2,113	R3,488	R5,359	R5,359	R7,211	R7,632	R6,015	R3,847
District of Columbia	*	*	*	*	*	*	*	*
Florida	R76,746	R76,993	R97,396	R108,909	R120,692	R122,367	R114,348	R107,010
Georgia	R25,902	R23,983	R26,055	R31,766	R41,343	R43,072	R39,622	R33,281
Hawaii	--	--	--	--	--	--	--	--
Idaho	R1,748	R778	R1,344	R2,641	R3,547	R2,420	R1,942	R1,346
Illinois	R8,248	R8,346	R11,723	R12,773	R19,713	R23,160	R13,199	R9,544
Indiana	R15,180	R15,085	R12,625	R13,083	R17,277	R16,937	R15,362	R15,092
Iowa	R951	R843	R1,116	R1,408	R3,477	R3,103	R2,230	R2,492
Kansas	R1,153	R1,383	R1,253	R2,743	R2,759	R2,848	R3,165	R1,825
Kentucky	R5,391	R4,224	R4,709	R5,408	R7,452	R7,891	R6,703	R4,952
Louisiana	R18,805	R19,759	R22,901	R28,667	R31,944	R38,612	R33,563	R30,749
Maine	R813	R1,119	R1,766	R1,829	R3,554	R3,241	R1,765	R1,917
Maryland	R585	R459	R3,346	R5,521	R10,580	R9,969	R3,737	R3,951
Massachusetts	R10,256	R7,743	R9,112	R14,109	R21,402	R21,487	R17,082	R15,038
Michigan	R15,595	R17,274	R17,156	R17,814	R30,330	R25,486	R21,471	R22,513
Minnesota	R2,892	R3,322	R3,309	R3,281	R10,175	R8,456	R6,090	R6,106
Mississippi	R27,542	R21,348	R27,237	R36,271	R37,750	R39,499	R36,028	R31,812
Missouri	R3,732	R2,225	R3,143	R4,917	R6,692	R7,261	R7,435	R4,069
Montana	335	313	404	R501	R636	R649	R570	434
Nebraska	R180	R679	R452	R257	R931	R961	R1,344	R257
Nevada	R15,924	R15,676	R15,312	R17,165	R21,862	R22,524	R21,280	R17,080
New Hampshire	2,200	3,078	2,362	3,909	4,582	4,147	2,854	3,009
New Jersey	R20,898	R19,267	R27,406	R29,728	R40,967	R40,703	R31,226	R24,677
New Mexico	R6,201	R5,138	R6,901	R7,003	R8,281	R8,917	R7,423	R6,235
New York	R33,317	R27,930	R32,031	R44,875	R64,632	R59,387	R43,633	R39,014
North Carolina	R21,671	R23,750	R18,534	R24,168	R30,193	R29,125	R23,830	R21,849
North Dakota	336	R1,237	R1,809	R909	R1,397	R1,506	R1,347	R662
Ohio	R15,804	R15,769	R14,351	R18,196	R22,905	R22,526	R17,446	R11,314
Oklahoma	R16,688	R21,300	R18,832	R26,003	R29,834	R33,906	R31,636	R22,917
Oregon	R12,372	R7,806	R7,778	R13,161	R14,200	R10,409	R7,931	R3,311
Pennsylvania	R38,578	R39,356	R39,539	R47,232	R57,182	R56,797	R46,717	R35,525
Rhode Island	R2,828	R2,904	R2,955	R4,459	R5,705	R5,947	R4,743	R4,988
South Carolina	R7,162	R13,842	R10,979	R13,967	R14,823	R15,823	R12,181	R10,114
South Dakota	R252	R607	R499	R546	R871	R849	R739	R558
Tennessee	R7,932	R3,689	R6,424	R8,880	R10,416	R10,110	R9,258	R6,236
Texas	R89,011	R94,746	R111,464	R144,410	R174,678	R170,485	R151,466	R132,444
Utah	R4,438	R3,529	R4,025	R4,590	R6,195	R6,592	R6,303	R5,222
Vermont	2	2	2	3	3	1	--	2
Virginia	R20,971	R20,924	R18,088	R28,121	R38,312	R36,894	R29,260	R21,823
Washington	R7,547	R4,450	R4,641	R10,306	R12,263	R9,406	R5,834	R4,514
West Virginia	R131	R361	R1,632	R1,134	R680	R672	R1,298	R1,658
Wisconsin	R6,898	R6,597	R5,109	R7,893	R14,518	R13,658	R11,634	R9,701
Wyoming	148	106	45	62	190	205	169	223
Total	R670,787	R662,046	R743,796	R915,286	R1,151,236	R1,139,968	R970,308	R804,431

See footnotes at end of table.

Table 17. Natural gas deliveries to electric power^a consumers, by state, 2016-2018
(million cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	R26,247	R30,787	R29,302	R33,919
Alaska	R2,436	R2,387	R2,331	R2,712
Arizona	R18,638	R14,142	R12,559	R15,254
Arkansas	R10,434	R12,695	R5,866	R8,629
California	R36,115	R38,154	R48,599	R60,932
Colorado	R8,790	R7,415	R6,405	R7,868
Connecticut	R11,368	R8,897	R9,694	R10,479
Delaware	R4,522	R3,849	R2,510	R2,250
District of Columbia	*	*	*	*
Florida	R99,955	R90,865	R79,445	R86,725
Georgia	R30,539	R29,414	R25,673	R28,632
Hawaii	--	--	--	--
Idaho	R530	R1,736	R2,392	R2,887
Illinois	R9,543	R12,168	R8,962	R8,337
Indiana	R10,314	R15,464	R13,185	R15,082
Iowa	R698	R1,464	R1,471	R1,634
Kansas	R1,051	R933	R566	R720
Kentucky	R4,470	R6,024	R3,725	R5,411
Louisiana	R25,535	R27,234	R24,798	R27,974
Maine	R1,408	R606	R1,897	2,451
Maryland	R3,600	R4,267	R2,274	R1,197
Massachusetts	R11,333	R10,265	R9,526	R9,082
Michigan	R22,958	R18,925	R16,849	R16,416
Minnesota	R5,804	R5,186	R5,206	R5,400
Mississippi	R22,463	R26,478	R29,753	R30,858
Missouri	R5,178	R2,591	R2,759	R2,479
Montana	402	R361	R341	R416
Nebraska	R389	150	R103	R88
Nevada	R14,884	R15,431	R14,835	R17,928
New Hampshire	3,609	749	1,145	2,196
New Jersey	R24,493	R24,328	R20,351	R22,939
New Mexico	R6,183	R6,245	R5,938	R6,811
New York	R33,122	R31,526	R29,327	R33,634
North Carolina	R24,029	R28,073	R24,788	R23,262
North Dakota	178	664	R840	R435
Ohio	R16,532	R18,262	R19,433	R19,989
Oklahoma	R20,280	R17,695	R16,177	R21,696
Oregon	R3,049	R7,267	R9,347	R10,372
Pennsylvania	R32,992	R36,829	R33,779	R36,590
Rhode Island	R2,924	R4,488	R2,528	R2,438
South Carolina	R6,711	R10,113	R8,074	R9,858
South Dakota	R642	R629	R674	R545
Tennessee	R5,148	R6,916	R6,326	R6,356
Texas	R117,564	R119,813	R105,227	R122,753
Utah	R5,155	R4,493	R4,249	R4,892
Vermont	*	1	--	*
Virginia	R13,517	R20,405	R22,925	R23,283
Washington	R2,305	R3,785	R7,033	R9,645
West Virginia	R1,098	R1,077	R222	R204
Wisconsin	R9,626	R13,359	R10,355	R10,265
Wyoming	135	161	37	32
Total	R718,893	R744,765	R689,800	R773,954

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

^R Revised data.

-- Not applicable.

* Volume is less than 500 Mcf.

^W Withheld.

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

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

Table 18. Natural gas deliveries to all consumers, by state, 2016-2018

(million cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	400,361	358,415	386,018	62,847	R56,746	R58,151	R54,488	R53,893
Alaska	40,044	37,593	37,130	4,940	R3,951	R4,134	R4,975	R7,031
Arizona	NA	171,807	206,554	42,047	NA	NA	NA	NA
Arkansas	NA	178,634	178,790	27,584	R25,980	R25,942	R29,290	R29,733
California	1,175,727	1,154,621	1,188,178	187,304	R143,441	R138,584	R144,982	R187,514
Colorado	NA	207,984	218,339	24,263	NA	NA	NA	NA
Connecticut	155,528	137,024	145,932	19,492	R16,925	R14,837	R21,459	R26,967
Delaware	NA	58,956	62,507	NA	NA	NA	NA	NA
District of Columbia	NA	17,582	17,903	1,077	1,158	1,084	2,212	3,801
Florida	NA	785,796	810,110	142,461	NA	R119,565	R112,618	R108,983
Georgia	433,845	391,709	427,423	62,370	R56,214	R54,689	R49,883	R63,752
Hawaii	NA	1,836	1,737	277	270	266	276	273
Idaho	55,459	59,648	56,674	6,663	R5,453	R5,027	R6,584	R9,488
Illinois	650,182	572,446	612,161	52,693	R46,137	R52,501	R95,437	R115,204
Indiana	NA	418,328	450,863	59,225	R55,117	R57,427	R70,647	R84,122
Iowa	250,977	218,802	188,150	28,332	R26,389	R27,809	R36,567	R40,227
Kansas	164,956	138,229	137,684	18,560	R17,358	R18,753	R22,844	R23,983
Kentucky	191,092	157,583	157,670	20,549	R17,718	R20,711	R24,483	R32,065
Louisiana	NA	810,030	855,805	130,378	R128,351	R129,384	R116,320	R117,756
Maine	NA	28,123	31,503	NA	R3,250	R3,123	R3,639	R4,752
Maryland	NA	125,631	131,516	17,957	NA	NA	NA	NA
Massachusetts	NA	269,152	257,791	26,206	R20,273	R20,536	R35,821	NA
Michigan	NA	494,837	535,386	45,133	R41,993	R53,586	R90,032	R112,573
Minnesota	NA	263,063	274,424	25,448	R22,543	NA	R43,944	R51,182
Mississippi	333,935	293,206	310,205	51,493	R46,045	R47,121	R44,645	R42,857
Missouri	188,242	147,500	160,053	15,643	R14,525	R15,596	R24,512	R32,080
Montana	NA	40,495	37,555	3,765	R3,726	R4,330	R6,211	NA
Nebraska	101,907	94,646	90,753	10,556	R9,146	R10,779	R14,205	R16,251
Nevada	NA	169,717	179,245	NA	24,502	20,184	20,384	R24,735
New Hampshire	NA	30,001	32,597	5,231	R4,167	R2,155	R3,082	R3,565
New Jersey	NA	428,603	460,900	49,492	R40,391	NA	NA	NA
New Mexico	NA	84,869	91,825	14,042	R12,911	NA	NA	R14,975
New York	NA	743,983	773,507	85,180	NA	R71,517	R112,258	R143,026
North Carolina	NA	285,409	312,948	50,159	R43,043	R37,777	R40,093	R58,048
North Dakota	NA	38,908	36,174	4,650	R4,262	NA	R6,745	NA
Ohio	631,027	515,228	552,410	58,003	R54,417	R55,415	R92,535	R115,387
Oklahoma	376,691	301,964	333,496	59,669	R54,230	R55,344	R48,440	R45,509
Oregon	NA	120,059	122,854	17,908	R11,024	R10,210	R15,711	R23,439
Pennsylvania	696,124	591,111	630,732	83,566	R72,920	R66,600	R94,919	R126,320
Rhode Island	50,268	46,873	50,876	6,437	5,465	5,153	7,197	8,662
South Carolina	NA	156,252	156,477	30,794	R26,955	R22,444	R20,663	NA
South Dakota	NA	43,933	43,932	5,197	R4,770	NA	NA	NA
Tennessee	NA	182,622	191,108	25,853	R24,017	R21,940	R29,506	NA
Texas	NA	1,956,269	2,081,075	368,540	R317,434	R315,165	R275,623	R299,264
Utah	NA	110,262	121,878	14,641	11,233	NA	14,133	21,942
Vermont	7,987	7,089	7,237	586	617	612	1,235	1,511
Virginia	NA	326,946	313,579	52,365	NA	R42,229	R40,689	R59,575
Washington	NA	173,842	160,133	21,944	R16,479	R14,964	R22,233	NA
West Virginia	NA	52,962	52,902	5,594	R4,874	NA	R8,468	R10,721
Wisconsin	320,868	275,029	299,714	31,067	R26,812	R28,315	R45,845	R56,091
Wyoming	NA	49,277	45,857	5,507	R4,983	NA	R7,426	R8,422
Total	16,058,926	14,324,885	15,020,272	2,124,888	R1,854,954	R1,843,218	R2,134,664	R2,541,520

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2016-2018

(million cubic feet) – continued

State	2018			2017				
	February	January	Total	December	November	October	September	August
Alabama	R46,666	R67,572	633,536	R58,705	R52,507	R51,120	R53,284	R59,505
Alaska	R7,170	R7,843	R67,102	R7,777	R7,037	R5,747	R4,408	R4,540
Arizona	NA	NA	308,987	R25,781	R19,193	R27,065	R29,466	35,675
Arkansas	R30,776	NA	306,547	R34,479	R21,990	R23,874	R22,056	R25,514
California	R179,332	R194,570	2,048,294	R209,200	R167,614	R168,017	R165,626	R183,216
Colorado	NA	NA	R355,187	R47,843	R32,413	R25,884	R19,771	R21,291
Connecticut	R24,372	R31,476	R232,737	R28,386	R22,629	R15,209	R13,453	R16,036
Delaware	NA	NA	98,913	9,367	R7,332	R7,403	7,509	R8,346
District of Columbia	3,548	NA	29,055	R5,148	2,408	R1,506	R1,205	R1,206
Florida	R97,165	R110,716	R1,376,529	R104,113	R98,545	R121,395	R125,040	R141,640
Georgia	R56,875	R90,063	R689,147	R77,578	R57,534	R51,820	R50,492	R60,014
Hawaii	261	NA	3,104	259	R257	R249	R250	R253
Idaho	R10,600	R11,645	R104,810	R13,771	R9,941	R8,950	R6,498	R6,001
Illinois	R125,049	R163,161	969,718	R143,381	R99,160	R61,477	46,494	R46,759
Indiana	R82,154	NA	R730,238	R95,968	R68,416	R52,073	R48,404	R47,049
Iowa	R42,298	R49,355	378,999	R45,445	R35,968	28,090	R24,688	R26,006
Kansas	R28,958	R34,500	240,053	R30,096	23,014	R16,578	R15,283	R16,853
Kentucky	R29,067	R46,499	R274,656	R35,789	R26,722	R18,529	R17,218	R18,816
Louisiana	R115,786	NA	1,426,152	R132,127	R116,532	R123,403	R118,419	R125,642
Maine	R3,690	R5,047	R48,461	R5,531	R4,388	R3,422	R3,450	R3,547
Maryland	NA	R35,455	215,283	R33,267	R22,801	R10,808	R12,139	R10,636
Massachusetts	R54,180	R62,415	441,202	R60,043	R37,900	24,547	R22,926	R26,633
Michigan	NA	R133,978	R848,731	R124,966	R86,103	R55,775	R43,045	R44,004
Minnesota	R59,889	R66,770	448,431	59,913	R45,436	R30,511	R23,942	R25,566
Mississippi	R41,690	R60,083	R511,522	R49,854	R39,515	R38,668	R41,755	R48,523
Missouri	R36,956	R48,930	253,061	R39,768	R25,416	R14,056	13,189	R13,132
Montana	R9,746	R9,871	73,367	10,357	8,186	6,371	R4,266	R3,691
Nebraska	R19,560	R21,410	158,234	R18,969	15,090	R11,290	R8,945	R9,294
Nevada	R24,428	R26,943	R291,219	R27,143	R21,494	R23,082	R22,731	R27,051
New Hampshire	NA	R5,279	R51,997	R5,492	4,498	R3,048	R4,408	R4,550
New Jersey	NA	NA	703,505	R95,136	57,581	44,492	38,167	39,526
New Mexico	R14,619	R17,285	144,797	R17,116	11,383	R10,681	R9,823	R10,924
New York	R133,341	R176,651	R1,230,272	R162,415	R110,597	R69,247	R68,377	R75,654
North Carolina	R45,942	NA	R507,118	R60,558	R46,758	R38,011	R36,736	R39,646
North Dakota	R7,927	R8,374	R66,201	R8,187	R6,406	R5,102	R3,466	R4,132
Ohio	R107,626	R147,644	900,058	R132,665	94,369	R57,973	R49,278	R50,545
Oklahoma	R54,181	R59,318	R524,660	R55,594	R39,415	R38,710	R40,809	R48,168
Oregon	NA	R24,186	R226,396	R30,130	R21,657	R20,801	R16,130	R17,619
Pennsylvania	R109,899	R141,901	1,025,040	119,724	92,549	R79,557	R70,996	R71,103
Rhode Island	7,359	9,996	79,562	R9,502	R7,228	R5,117	R5,247	R5,595
South Carolina	R20,188	R32,222	R274,328	R26,832	R24,073	R22,960	R21,544	R22,667
South Dakota	R8,691	R9,334	R74,907	R8,717	R6,885	R5,462	R4,873	R5,036
Tennessee	R33,230	NA	318,011	42,617	R28,586	R22,009	R20,697	R21,479
Texas	R293,449	NA	3,398,560	R311,224	R262,223	272,675	R273,151	R323,018
Utah	R20,737	R24,526	R189,225	R28,155	R16,769	R12,314	R9,914	R11,811
Vermont	1,469	1,958	11,922	R1,747	R1,257	R679	R589	R561
Virginia	R56,096	NA	567,057	R62,562	R49,634	R36,457	R43,767	R47,691
Washington	R31,191	R33,337	R309,587	R39,647	R30,537	R26,383	R18,860	R20,319
West Virginia	R9,779	R13,616	94,497	R12,036	R9,256	R7,666	R6,678	R5,900
Wisconsin	R62,125	R70,613	R480,976	R67,642	R48,341	R33,934	R27,042	R28,987
Wyoming	R9,031	R8,881	R82,336	R9,258	R7,329	R6,419	R5,019	R5,033
Total	R2,468,393	R3,091,290	R24,824,284	R2,841,983	R2,152,873	R1,846,618	R1,741,521	R1,916,404

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2016-2018

(million cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	R60,613	51,195	49,493	48,288	R53,399	R44,023	R51,405	R657,442
Alaska	R4,327	R3,327	R3,611	R4,538	R7,108	R6,317	R8,365	R66,244
Arizona	R38,540	R32,356	R24,948	R20,879	R15,951	16,640	22,493	R346,864
Arkansas	R27,659	R24,627	25,359	R23,715	R26,912	R23,804	R26,558	R296,175
California	R167,601	R147,140	R143,129	R136,563	R156,928	R172,459	230,802	R2,108,402
Colorado	R22,248	R19,040	R23,360	R27,374	R30,709	R34,486	R50,767	R354,036
Connecticut	R16,071	R13,297	R13,235	R16,255	R25,424	R23,889	R28,853	R243,618
Delaware	R8,403	R8,226	R8,364	6,295	R9,944	R8,364	R9,359	R107,613
District of Columbia	R1,222	R1,278	R1,622	R1,795	R3,717	3,377	R4,569	R27,987
Florida	R138,404	R123,194	R124,599	R108,787	R107,284	R88,431	R95,097	R1,363,599
Georgia	R58,267	R53,488	R50,845	R44,648	R59,656	R57,498	R67,305	R699,777
Hawaii	R244	270	R244	R256	R271	R259	R292	3,038
Idaho	R6,188	R5,120	R5,844	R7,245	R8,952	R10,682	R15,617	R100,701
Illinois	R49,042	R46,656	R57,270	R63,296	R111,839	R102,317	R142,027	R999,944
Indiana	R48,033	R43,858	R45,350	R51,729	R75,599	R67,304	R86,454	R744,918
Iowa	R25,638	R24,013	R25,761	R28,310	R36,675	R34,889	R43,515	R321,194
Kansas	R18,430	R15,666	R14,480	R17,271	R21,421	R20,858	R30,105	R233,473
Kentucky	R20,641	R18,255	R18,179	R19,348	R27,395	R23,571	R30,194	R260,708
Louisiana	R124,012	118,370	R116,680	R112,748	R116,954	R103,637	R117,629	R1,439,796
Maine	R3,824	R3,341	R3,238	R3,684	R4,957	R4,181	R4,898	R52,476
Maryland	12,342	R10,747	R11,723	R12,520	R27,258	R23,067	R27,975	R211,579
Massachusetts	R26,242	R25,133	R28,267	R34,077	R55,593	R46,521	R53,319	R419,448
Michigan	R44,647	R40,497	R50,650	R56,797	R101,213	R87,669	R113,364	R867,959
Minnesota	R25,432	R22,701	R25,883	R32,514	R47,705	R47,075	R61,753	R438,374
Mississippi	R50,682	R42,080	R42,884	R37,527	R44,572	R32,966	R42,494	R521,540
Missouri	R13,900	R12,764	R13,817	R15,304	R26,265	25,902	R39,548	R260,601
Montana	R3,465	R3,012	R3,474	R4,993	R6,781	R8,018	R10,754	R67,011
Nebraska	R10,884	R8,778	R10,291	R11,592	R15,168	R16,189	R21,745	R156,916
Nevada	R27,680	R24,437	R20,450	R19,042	R22,180	R24,634	R31,294	R300,323
New Hampshire	R3,942	R3,606	R3,307	R5,476	R5,007	R3,976	R4,686	R57,765
New Jersey	45,873	43,761	R44,096	48,294	87,199	R70,997	88,382	R756,833
New Mexico	R12,343	R11,255	R10,071	9,536	11,134	R12,867	R17,664	R155,021
New York	R77,970	R72,097	R72,823	R84,599	R151,049	R131,130	R154,315	R1,272,140
North Carolina	R39,801	R35,827	R34,837	R31,908	R48,901	R42,892	R51,243	R519,409
North Dakota	R4,094	R4,021	R4,312	R5,157	R6,839	R6,262	R8,224	R64,421
Ohio	R49,665	R46,100	R53,118	R56,698	R101,096	R91,837	R116,713	R897,048
Oklahoma	R53,129	R43,774	R39,046	R39,049	R39,004	R37,127	R50,835	R558,828
Oregon	R15,743	R10,063	R10,610	R13,365	R16,941	R21,366	R31,971	R231,055
Pennsylvania	R74,476	R64,582	R61,436	R65,571	R108,014	R99,298	R117,733	R1,072,102
Rhode Island	R5,810	R5,246	R5,296	R5,843	R8,722	7,452	R8,504	R83,432
South Carolina	R23,128	R20,932	R22,433	R21,094	R23,847	R21,206	R23,613	R273,172
South Dakota	R5,157	R4,622	R4,985	R5,596	R7,217	R7,095	R9,262	R74,082
Tennessee	R22,182	R21,100	R18,960	R22,038	R33,006	R29,179	R36,157	R319,675
Texas	R336,221	R298,771	R263,747	R251,777	R264,981	246,261	294,512	R3,527,335
Utah	R11,244	R10,765	R10,643	R13,851	R14,753	R18,550	R30,457	R201,551
Vermont	R533	485	R679	R854	R1,562	R1,382	R1,594	R11,959
Virginia	49,173	R46,203	R37,565	R35,360	R54,617	R48,190	R55,838	R528,331
Washington	R18,381	R14,295	R17,118	R22,439	R28,292	R30,950	R42,367	R289,453
West Virginia	5,824	R5,398	R5,408	R5,995	R10,234	R9,036	R11,068	R88,389
Wisconsin	R29,148	R23,918	R27,096	R32,142	R52,868	R47,205	R62,651	R478,626
Wyoming	R4,887	R4,995	R6,172	R6,748	R8,207	R8,329	R9,939	R79,775
Total	R1,943,403	R1,734,683	R1,716,805	R1,750,781	R2,331,317	R2,151,615	R2,696,281	R25,212,159

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2016-2018

(million cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	R56,229	R50,142	R49,098	R56,306	R59,650	R60,786	R56,417	R52,165
Alaska	R8,236	R7,263	R5,708	R4,284	R3,624	R3,704	R3,778	R4,356
Arizona	R20,711	R19,219	R26,285	R33,491	R40,604	R41,072	R36,228	R26,217
Arkansas	R27,817	R24,243	R19,818	R19,062	R26,445	R25,793	R26,965	R22,950
California	R217,558	R173,278	R168,407	R171,347	R189,633	R175,135	R162,945	R145,157
Colorado	R48,093	R29,725	R21,022	R17,151	R19,706	R21,082	R20,175	R23,832
Connecticut	R27,095	R21,341	R16,616	R15,162	R17,471	R16,793	R14,221	R17,080
Delaware	R8,466	R8,114	R9,243	R8,778	R10,504	R11,006	R9,088	R7,617
District of Columbia	R4,224	R2,596	R1,316	R956	R992	R1,009	R998	R1,447
Florida	R93,522	R92,004	R111,434	R122,388	R134,141	R136,095	R127,361	R121,474
Georgia	R66,524	R51,394	R46,157	R49,244	R59,034	R60,677	R57,356	R53,101
Hawaii	R268	R258	R252	R267	R256	R246	R242	R239
Idaho	R14,718	R8,280	R7,195	R6,813	R7,021	R6,148	R5,340	R5,578
Illinois	R147,431	R80,793	R59,457	R47,408	R52,694	R56,561	R46,464	R54,860
Indiana	R91,896	R61,099	R45,894	R45,236	R49,930	R50,085	R48,813	R54,324
Iowa	R42,159	R28,057	R22,457	R18,988	R21,383	R20,404	R19,145	R21,192
Kansas	R31,660	R18,746	R14,011	R13,872	R17,500	R16,536	R15,584	R15,211
Kentucky	R31,721	R21,120	R16,707	R15,565	R17,924	R17,860	R16,774	R17,148
Louisiana	R120,944	R112,264	R111,926	R116,316	R122,541	R130,195	R121,850	R122,287
Maine	R4,109	R3,526	R4,114	R3,763	R5,462	R5,140	R3,551	R4,094
Maryland	R25,895	R15,327	R11,489	R11,207	R16,145	R15,594	R9,865	R12,680
Massachusetts	R50,315	R32,838	R25,040	R23,309	R30,155	R30,228	R26,479	R29,521
Michigan	R112,515	R72,547	R53,571	R42,019	R51,921	R46,709	R43,592	R55,178
Minnesota	R55,355	R34,989	R26,289	R19,712	R27,604	R25,641	R23,830	R27,447
Mississippi	R44,433	R34,246	R37,292	R46,512	R48,853	R50,639	R47,771	R43,599
Missouri	R39,957	R19,699	R13,079	R13,071	R14,742	15,409	R15,792	R14,576
Montana	R10,110	R6,799	R5,218	R3,906	R3,423	R3,441	R3,357	R4,164
Nebraska	R20,390	R13,702	R10,815	R9,561	R11,694	R11,084	R10,429	R9,689
Nevada	R28,689	R22,879	R21,065	R22,053	R26,392	R27,115	R26,162	R22,893
New Hampshire	5,711	R5,400	R3,620	R4,928	R5,509	R5,079	R3,846	R4,373
New Jersey	R86,360	R54,218	R49,463	R46,989	R58,902	R60,273	R50,907	R48,812
New Mexico	R17,608	R12,939	R10,978	R10,345	R11,326	R12,026	R10,853	R10,336
New York	R148,559	R100,694	R77,822	R75,139	R96,419	R90,974	R77,027	R83,430
North Carolina	R51,703	R44,312	R32,259	R35,766	R42,421	R40,519	R35,323	R34,844
North Dakota	R7,434	R6,154	R6,428	R4,345	R3,885	R4,147	R4,606	R4,269
Ohio	R113,779	R77,338	R54,740	R47,202	R51,579	R50,136	R46,205	R49,902
Oklahoma	R53,019	R43,616	R37,475	R42,837	R48,385	R52,402	R50,340	R44,161
Oregon	R31,942	R19,098	R17,451	R19,838	R19,872	R16,533	R14,403	R10,777
Pennsylvania	R121,330	R92,607	R74,230	R71,165	R82,039	R80,239	R71,414	R67,464
Rhode Island	R8,477	R6,361	R5,136	R5,803	R6,779	R7,004	R5,963	R6,982
South Carolina	R23,350	R26,745	R20,463	R22,621	R23,515	R24,182	R20,952	R19,683
South Dakota	R8,839	R6,425	R5,174	R4,671	R5,041	R4,746	R4,658	R5,043
Tennessee	R40,547	R23,353	R20,393	R21,312	R22,962	R22,376	R21,878	R19,804
Texas	R292,696	R257,158	R266,076	R296,870	R333,459	R328,972	R298,407	R279,180
Utah	R28,096	R17,339	R12,131	R10,750	R11,357	R12,399	R11,910	R13,340
Vermont	1,619	1,102	831	596	575	584	574	663
Virginia	R50,358	R42,442	R31,929	R40,093	R49,929	R48,466	R41,696	R35,152
Washington	R40,216	R23,838	R21,200	R21,829	R22,237	R19,605	R16,373	R16,340
West Virginia	R10,786	R8,027	R6,870	R5,206	R4,599	R4,818	R5,078	R5,695
Wisconsin	R61,918	R36,869	R26,981	R23,371	R29,775	R28,226	R27,199	R29,547
Wyoming	R10,003	R7,434	R6,274	R4,986	R5,223	R5,143	R4,940	R6,012
Total	R2,665,391	R1,979,957	R1,748,897	R1,774,412	R2,023,229	R2,001,036	R1,825,125	R1,785,885

See footnotes at end of table.

Table 18. Natural gas deliveries to all consumers, by state, 2016-2018
(million cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	R45,414	R52,232	R54,608	R64,396
Alaska	R5,063	R6,175	R6,395	R7,660
Arizona	R25,567	R22,214	R24,125	R31,130
Arkansas	R22,188	R27,261	R24,062	R29,571
California	R144,618	R162,754	R174,197	R223,373
Colorado	R30,476	R35,560	R38,671	R48,543
Connecticut	R21,107	R21,405	R26,671	R28,655
Delaware	R8,678	R8,680	R8,433	R9,006
District of Columbia	R2,073	R2,459	R4,775	R5,141
Florida	R115,483	R107,347	R96,617	R105,732
Georgia	R52,685	R56,885	R67,243	R79,477
Hawaii	R258	R250	246	R257
Idaho	R5,351	R9,231	R11,131	R13,896
Illinois	R76,116	R98,353	R128,247	R151,561
Indiana	R56,286	R67,425	R80,093	R93,837
Iowa	R22,888	R28,997	R34,683	R40,842
Kansas	R15,151	R19,384	R24,431	R31,387
Kentucky	R18,359	R24,222	R28,590	R34,717
Louisiana	R115,313	R120,300	115,837	R130,023
Maine	4,055	R3,754	R5,004	R5,905
Maryland	R15,811	R19,870	R26,982	R30,715
Massachusetts	R34,459	R39,498	R47,175	R50,432
Michigan	R79,238	R87,032	R107,023	R116,614
Minnesota	R36,311	R43,567	R54,432	R63,197
Mississippi	R34,078	R38,750	R45,385	R49,982
Missouri	R18,313	R22,035	R32,878	R41,049
Montana	R4,611	R6,290	R6,873	R8,819
Nebraska	R11,125	R12,952	R15,961	R19,513
Nevada	R21,472	R23,474	R25,494	R32,635
New Hampshire	R5,666	R3,329	R4,399	R5,905
New Jersey	R58,705	R67,513	R80,050	R94,640
New Mexico	R11,162	R13,229	R15,175	R19,043
New York	R100,622	R115,411	R143,852	R162,191
North Carolina	R39,726	R46,701	R55,682	R60,153
North Dakota	R4,057	R5,593	R6,242	R7,260
Ohio	R72,736	R85,031	R114,458	R133,943
Oklahoma	R41,277	R42,213	R44,300	R58,803
Oregon	R11,726	R19,837	R22,433	R27,145
Pennsylvania	R78,262	R91,864	R112,995	R128,493
Rhode Island	R6,136	R8,439	R7,873	R8,480
South Carolina	R17,373	R21,786	R24,033	R28,467
South Dakota	R6,080	R6,770	R7,766	R8,869
Tennessee	R20,683	R26,746	R36,150	R43,470
Texas	R269,291	R289,057	R285,885	R330,283
Utah	R15,995	R18,125	R22,264	R27,844
Vermont	1,073	1,122	1,490	1,730
Virginia	R31,321	R42,386	R53,844	R60,715
Washington	R15,916	R24,887	R29,006	R38,006
West Virginia	R6,828	R8,539	R10,025	R11,918
Wisconsin	R40,041	R50,110	R57,895	R66,696
Wyoming	R6,277	R7,422	R7,467	R8,596
Total	R1,903,501	R2,164,467	R2,459,545	R2,880,714

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

Table 19. Average citygate price, by state, 2016-2018
(dollars per thousand cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	NA	3.94	3.18	3.81	3.93	3.81	3.57	3.48
Alaska	7.69	7.23	6.63	6.39	6.43	7.02	6.76	8.00
Arizona	NA	4.38	3.83	NA	3.23	2.88	3.01	4.18
Arkansas	4.25	4.79	4.13	6.20	5.85	5.66	4.47	4.03
California	NA	3.53	2.60	NA	2.67	2.34	2.42	2.76
Colorado	3.40	3.93	3.28	4.09	4.04	3.51	3.04	3.31
Connecticut	NA	4.62	3.48	NA	7.94	7.10	4.72	4.10
Delaware	NA	5.38	4.76	NA	NA	NA	5.40	4.34
District of Columbia	--	--	--	--	--	--	--	--
Florida	NA	5.75	3.72	7.21	6.48	6.76	NA	6.47
Georgia	3.80	4.27	3.39	3.99	3.87	3.79	3.59	3.62
Hawaii	20.19	16.10	13.64	20.03	20.87	22.70	21.03	19.73
Idaho	NA	3.10	3.24	2.07	NA	2.39	NA	2.87
Illinois	NA	3.86	3.15	3.43	3.46	NA	3.33	3.30
Indiana	3.79	3.96	3.36	4.67	4.57	4.35	3.25	3.61
Iowa	3.87	4.33	3.58	3.77	4.00	3.93	3.44	3.61
Kansas	3.97	4.57	3.72	5.05	5.60	5.82	3.64	3.84
Kentucky	3.82	4.07	3.18	3.48	3.47	3.86	3.64	3.89
Louisiana	3.97	4.08	3.38	3.79	3.64	3.70	3.72	3.94
Maine	7.97	6.45	6.85	6.92	6.51	6.09	5.39	6.40
Maryland	4.66	4.83	3.94	7.16	6.26	6.61	4.59	3.90
Massachusetts	6.33	5.06	4.19	10.96	9.51	6.47	5.35	4.69
Michigan	3.36	3.65	3.59	3.15	3.14	3.27	3.05	3.32
Minnesota	3.66	4.07	3.48	3.65	4.31	3.16	3.12	3.62
Mississippi	4.03	4.45	3.45	3.76	3.84	3.86	3.72	3.92
Missouri	4.12	4.72	3.93	7.02	6.61	6.36	3.93	3.71
Montana	NA	3.48	3.02	2.35	2.86	NA	2.94	NA
Nebraska	3.84	4.29	3.69	4.26	4.24	3.92	3.10	3.74
Nevada	3.48	4.34	3.43	3.40	3.48	3.08	3.34	3.20
New Hampshire	NA	5.61	5.55	9.35	NA	6.11	4.38	5.01
New Jersey	4.59	4.45	3.89	4.12	4.65	4.15	4.29	4.34
New Mexico	3.05	3.67	2.72	2.93	3.00	2.45	2.41	3.08
New York	4.45	4.14	3.26	8.04	7.08	6.08	3.56	3.19
North Carolina	3.78	4.12	3.19	6.07	5.78	5.20	3.87	3.26
North Dakota	NA	4.29	3.56	3.20	NA	NA	2.88	NA
Ohio	NA	3.91	3.22	NA	NA	NA	3.45	3.56
Oklahoma	3.69	4.58	3.77	5.02	4.52	3.90	3.44	3.60
Oregon	3.81	3.92	4.09	5.85	4.74	4.88	3.54	3.43
Pennsylvania	4.15	4.37	3.52	6.28	5.98	6.13	3.74	4.09
Rhode Island	2.30	2.21	2.20	2.39	2.35	2.35	2.33	2.32
South Carolina	4.15	4.28	3.40	4.13	4.16	4.20	4.21	3.90
South Dakota	NA	4.16	3.32	4.09	NA	NA	2.91	NA
Tennessee	3.96	4.18	3.17	4.13	3.97	3.83	3.58	3.81
Texas	NA	4.79	3.63	4.74	4.71	4.54	NA	5.29
Utah	NA	5.33	5.34	NA	3.86	4.64	5.52	5.54
Vermont	4.73	5.21	5.46	3.97	3.77	3.86	4.61	4.75
Virginia	NA	4.57	3.79	6.09	5.95	5.68	4.60	3.62
Washington	3.20	3.63	3.44	3.64	3.66	3.29	3.00	3.01
West Virginia	NA	3.89	3.37	NA	5.01	4.12	3.47	3.40
Wisconsin	4.02	4.30	3.63	4.41	4.62	4.04	3.44	3.75
Wyoming	3.70	3.97	3.40	3.20	2.93	3.05	3.64	3.84
Total	4.03	4.20	3.50	4.67	4.46	4.14	3.64	3.71

See footnotes at end of table.

Table 19. Average citygate price, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2018							2017
	February	January	Total	December	November	October	September	August
Alabama	NA	3.37	3.80	3.42	3.62	3.77	3.67	3.90
Alaska	8.25	8.24	7.03	6.94	7.02	6.59	6.29	5.83
Arizona	4.25	4.49	4.36	4.36	5.06	3.87	3.93	4.01
Arkansas	3.98	3.85	4.70	3.79	4.56	5.40	6.30	6.67
California	3.12	2.91	3.45	3.66	3.24	2.95	3.09	3.22
Colorado	3.40	3.38	3.90	3.44	3.88	3.96	5.10	4.65
Connecticut	5.04	4.85	4.44	3.70	3.71	4.22	5.66	5.79
Delaware	4.52	5.18	5.60	4.46	5.19	8.31	10.40	10.64
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.85	5.65	5.77	5.60	6.41	6.32	5.62	5.09
Georgia	4.56	3.48	4.15	3.91	3.80	4.08	4.23	4.04
Hawaii	18.34	18.74	16.62	17.11	18.23	16.69	17.18	17.63
Idaho	2.85	2.67	2.90	2.72	2.90	2.24	2.27	2.41
Illinois	3.35	3.91	3.76	3.59	3.55	3.46	4.20	4.13
Indiana	3.79	3.97	3.85	3.55	3.71	3.68	4.34	4.74
Iowa	4.13	4.06	4.30	4.96	3.90	3.71	3.83	3.87
Kansas	3.72	3.71	4.51	3.83	4.24	5.08	6.26	5.72
Kentucky	4.08	3.77	3.92	3.74	3.84	3.66	3.70	3.41
Louisiana	4.30	4.17	4.02	4.06	3.92	3.91	3.84	3.85
Maine	8.95	10.35	6.50	7.90	4.99	6.17	5.66	6.09
Maryland	4.55	4.64	4.73	4.10	4.27	5.36	6.79	6.83
Massachusetts	3.59	3.36	5.28	5.24	4.60	6.28	8.86	9.24
Michigan	3.69	3.38	3.57	3.56	3.47	3.35	3.10	3.09
Minnesota	3.92	3.74	4.24	5.61	3.72	3.46	3.17	4.33
Mississippi	4.48	4.02	4.39	4.03	4.55	4.45	4.49	4.62
Missouri	3.90	3.72	4.63	3.73	4.11	5.02	7.09	7.68
Montana	3.29	3.39	3.28	3.20	3.22	2.47	2.35	3.41
Nebraska	3.96	4.04	4.31	4.74	3.95	3.71	4.63	4.45
Nevada	3.63	3.76	4.13	3.47	4.18	3.73	4.01	4.39
New Hampshire	7.91	9.96	5.86	6.87	4.82	5.29	8.23	7.41
New Jersey	4.55	5.05	4.27	4.08	3.93	3.60	3.71	4.37
New Mexico	3.32	3.17	3.51	3.15	3.41	3.22	3.41	3.60
New York	3.41	5.75	4.29	3.90	4.17	5.11	7.08	7.11
North Carolina	3.88	3.46	3.92	3.02	3.54	4.42	5.09	5.41
North Dakota	4.15	4.24	4.28	4.36	4.17	4.23	4.38	4.03
Ohio	NA	3.66	3.96	4.22	3.89	3.57	4.13	3.93
Oklahoma	3.69	3.61	4.52	3.96	4.51	4.84	6.16	5.95
Oregon	3.47	3.61	3.90	3.44	3.76	3.75	4.69	5.97
Pennsylvania	4.19	3.85	4.26	3.64	4.00	4.47	6.06	6.36
Rhode Island	2.32	2.25	2.22	2.22	2.20	2.21	2.29	2.34
South Carolina	4.22	4.21	4.13	3.81	3.88	3.93	4.13	3.99
South Dakota	4.17	3.91	4.39	5.60	4.11	3.80	4.42	4.36
Tennessee	4.18	4.08	4.09	3.88	3.98	4.00	4.20	4.17
Texas	5.42	5.39	4.80	4.94	5.32	4.96	4.47	4.09
Utah	6.35	5.77	5.30	5.76	5.78	4.95	3.85	3.70
Vermont	5.15	5.29	5.03	5.07	4.70	4.56	4.48	4.44
Virginia	NA	4.45	4.53	3.92	4.00	4.99	6.26	7.41
Washington	3.28	3.19	3.51	3.21	3.32	2.79	3.93	4.78
West Virginia	3.89	3.36	3.86	3.52	3.61	3.88	4.89	5.87
Wisconsin	4.36	4.04	4.24	3.90	4.25	4.21	4.59	4.55
Wyoming	4.01	3.86	3.92	3.83	4.01	3.82	3.45	3.82
Total	3.99	4.29	4.16	4.00	3.97	4.03	4.52	4.61

See footnotes at end of table.

Table 19. Average citygate price, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	4.02	3.96	4.02	3.73	3.66	4.18	4.03	3.44
Alaska	5.76	5.69	6.02	6.96	7.42	7.54	7.99	6.79
Arizona	4.14	4.14	3.75	3.98	4.95	4.71	4.37	4.07
Arkansas	6.72	6.85	5.73	5.83	4.35	4.37	4.17	4.29
California	3.47	3.55	3.38	3.31	3.15	3.59	3.87	2.96
Colorado	5.09	4.68	3.98	3.66	3.65	3.91	3.92	3.56
Connecticut	6.08	6.58	5.85	4.97	3.53	4.45	4.45	3.57
Delaware	10.42	9.94	7.65	6.85	4.26	4.62	4.34	4.91
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.77	5.16	5.24	6.21	5.70	5.96	6.09	4.04
Georgia	4.20	4.28	4.18	4.29	3.72	4.43	4.69	3.67
Hawaii	16.17	15.06	16.46	16.05	17.38	16.20	15.34	13.81
Idaho	2.47	3.29	3.04	2.71	3.31	3.14	3.17	3.21
Illinois	3.76	3.63	3.48	4.15	4.06	3.56	3.95	3.38
Indiana	4.97	4.87	4.28	4.25	3.72	3.89	3.81	3.58
Iowa	4.08	4.52	4.10	4.36	4.08	4.42	4.51	3.77
Kansas	5.39	6.61	5.86	4.81	3.99	4.18	4.24	4.02
Kentucky	3.59	3.73	4.05	4.46	3.83	4.19	4.16	3.35
Louisiana	3.99	4.37	4.08	3.94	3.96	4.37	3.91	3.65
Maine	7.67	5.46	5.00	5.30	5.54	7.58	7.36	6.41
Maryland	6.96	7.19	6.25	6.06	4.05	4.69	4.43	4.18
Massachusetts	9.61	9.04	6.38	5.46	4.06	4.53	4.66	4.49
Michigan	3.10	3.35	3.43	3.78	3.48	3.71	3.84	3.57
Minnesota	4.46	4.49	3.80	3.51	3.77	4.23	4.30	3.71
Mississippi	4.66	4.78	4.59	3.95	3.88	4.20	5.02	3.78
Missouri	7.26	7.15	5.86	5.15	4.07	4.45	4.21	4.22
Montana	2.90	3.30	3.61	3.47	3.54	3.56	3.46	3.05
Nebraska	4.17	5.07	4.20	4.02	3.87	4.71	4.30	3.75
Nevada	4.50	4.52	4.13	4.40	4.05	4.34	4.46	3.73
New Hampshire	8.42	5.39	5.50	4.64	4.37	6.07	6.59	5.30
New Jersey	4.61	4.73	4.56	4.26	4.32	4.48	4.52	3.93
New Mexico	3.59	3.61	3.43	3.31	3.35	3.82	3.93	3.05
New York	7.37	7.02	6.00	4.24	3.27	3.64	3.85	3.57
North Carolina	5.83	5.87	5.28	4.91	3.36	3.72	3.87	3.44
North Dakota	3.92	4.35	3.99	4.11	3.88	4.53	4.58	3.88
Ohio	3.89	3.82	3.80	3.87	3.64	4.08	4.09	3.27
Oklahoma	5.87	5.90	5.44	4.64	4.22	4.26	4.46	3.98
Oregon	5.71	5.08	4.56	3.90	3.59	3.59	3.69	4.15
Pennsylvania	6.69	6.67	5.36	4.85	3.86	4.20	4.07	3.72
Rhode Island	2.37	2.41	2.36	2.30	2.20	2.18	2.12	2.12
South Carolina	4.14	4.25	4.27	4.47	3.98	4.43	4.47	3.64
South Dakota	4.40	4.60	3.77	3.90	3.79	4.38	4.35	3.65
Tennessee	4.49	4.28	4.07	4.40	3.91	4.16	4.24	3.42
Texas	4.19	4.28	4.59	4.43	4.85	5.14	5.28	4.09
Utah	3.69	4.90	4.79	4.78	5.94	5.97	5.37	5.15
Vermont	4.31	4.74	4.69	5.26	4.98	5.69	5.67	5.13
Virginia	7.24	6.71	5.68	5.47	4.03	4.15	3.90	3.99
Washington	4.21	4.18	4.26	3.64	3.04	3.47	3.77	3.66
West Virginia	5.58	6.37	4.87	4.26	3.32	3.68	3.63	3.46
Wisconsin	4.76	5.24	4.24	4.08	3.82	4.39	4.46	3.81
Wyoming	3.98	3.79	3.24	3.71	3.89	4.23	4.27	3.53
Total	4.73	4.82	4.42	4.20	3.84	4.13	4.21	3.71

See footnotes at end of table.

Table 19. Average citygate price, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	3.78	3.85	4.20	3.89	3.89	3.89	3.34	2.99
Alaska	7.29	6.82	7.10	6.58	6.19	6.12	6.03	6.21
Arizona	4.74	4.91	4.09	3.92	3.86	4.05	3.31	2.77
Arkansas	3.83	4.37	6.02	5.69	6.22	6.68	6.16	4.79
California	3.64	3.30	3.51	3.56	3.29	3.34	2.52	2.49
Colorado	3.61	3.88	4.73	5.27	4.81	5.16	4.22	3.25
Connecticut	3.90	3.31	3.13	4.29	4.20	4.69	4.58	3.85
Delaware	4.28	4.17	6.15	8.20	8.50	8.77	8.53	6.24
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.47	4.92	4.45	4.13	3.92	3.93	3.46	3.50
Georgia	4.08	4.04	4.26	4.30	4.01	4.32	3.44	3.37
Hawaii	14.75	12.93	15.07	14.06	13.33	13.54	17.26	16.20
Idaho	3.16	3.29	3.18	3.29	2.69	2.62	2.52	3.22
Illinois	3.63	3.38	4.25	5.19	4.66	4.25	3.72	3.10
Indiana	3.84	3.63	4.26	4.80	4.92	5.25	4.38	3.27
Iowa	4.04	4.14	4.18	4.47	3.91	3.94	3.67	3.01
Kansas	3.75	4.43	6.27	6.65	5.63	5.33	5.57	4.41
Kentucky	3.77	3.53	3.63	3.45	3.26	3.47	2.85	2.85
Louisiana	4.18	4.23	3.98	4.07	3.85	4.00	3.16	2.99
Maine	6.33	6.25	4.23	5.17	4.64	5.30	5.40	3.83
Maryland	3.96	4.20	5.42	7.54	7.65	8.57	7.14	4.57
Massachusetts	4.61	4.16	5.36	8.26	6.95	7.49	5.90	4.72
Michigan	3.54	3.65	3.53	3.35	3.08	3.19	2.76	2.87
Minnesota	4.05	4.17	3.71	4.38	4.28	3.88	3.49	2.98
Mississippi	4.77	4.14	4.17	3.90	3.79	4.04	3.46	3.19
Missouri	3.96	4.31	6.21	6.64	6.96	7.08	5.58	5.16
Montana	2.87	3.17	3.33	3.45	3.34	3.65	2.50	2.28
Nebraska	3.67	3.99	4.19	3.65	3.90	4.44	3.17	3.00
Nevada	4.18	3.70	4.10	4.45	4.76	4.50	3.74	3.19
New Hampshire	5.32	4.60	3.80	5.34	4.73	6.79	5.79	3.87
New Jersey	4.14	3.94	3.75	4.02	3.75	3.92	3.91	3.80
New Mexico	3.77	3.22	3.62	3.46	3.39	3.50	2.89	2.43
New York	3.85	3.42	3.61	6.30	6.85	6.58	5.65	4.26
North Carolina	3.72	3.33	4.43	4.76	4.83	5.28	4.38	3.71
North Dakota	4.10	4.64	4.51	4.52	4.18	4.36	2.83	2.71
Ohio	3.62	3.43	3.09	2.43	2.56	2.69	2.46	2.61
Oklahoma	4.04	4.00	5.03	5.29	5.39	5.51	4.77	3.83
Oregon	3.77	4.03	4.40	5.96	5.33	5.85	5.18	4.65
Pennsylvania	3.72	4.08	3.98	5.92	5.57	6.55	6.36	4.35
Rhode Island	1.99	1.96	1.96	2.01	2.03	2.06	2.05	2.09
South Carolina	4.44	3.66	4.01	3.94	3.75	3.87	3.43	3.08
South Dakota	3.92	4.25	4.20	4.73	4.82	4.47	3.06	2.28
Tennessee	3.73	3.90	4.26	3.99	3.64	3.88	3.19	3.01
Texas	5.36	5.10	4.93	4.16	4.00	3.94	3.41	3.20
Utah	5.35	5.00	4.82	3.86	3.24	3.37	3.58	4.60
Vermont	5.11	4.74	4.08	4.21	4.22	4.01	4.24	4.96
Virginia	3.68	3.87	5.37	6.50	7.04	6.25	6.42	4.38
Washington	3.58	4.14	4.20	4.85	4.35	4.56	3.57	3.85
West Virginia	3.30	3.45	3.73	5.14	5.08	5.59	4.62	3.41
Wisconsin	3.88	4.23	4.37	4.93	4.18	4.36	3.75	3.38
Wyoming	4.00	3.48	3.76	3.46	3.38	3.19	2.56	3.07
Total	3.96	3.90	4.19	4.60	4.33	4.42	3.84	3.44

See footnotes at end of table.

Table 19. Average citygate price, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	2.90	3.00	3.18	3.22
Alaska	6.37	6.72	6.85	6.93
Arizona	3.03	4.85	4.60	3.64
Arkansas	4.60	4.53	3.76	3.43
California	2.25	2.30	2.65	2.72
Colorado	2.78	3.43	3.23	3.09
Connecticut	3.20	3.09	3.45	3.27
Delaware	5.03	4.70	3.84	3.81
District of Columbia	--	--	--	--
Florida	3.37	3.83	3.95	3.86
Georgia	3.19	3.21	3.25	3.35
Hawaii	14.19	13.19	10.52	10.93
Idaho	2.79	3.67	3.47	3.20
Illinois	3.39	3.33	2.79	3.12
Indiana	2.93	3.48	3.27	3.28
Iowa	3.46	3.70	3.57	3.61
Kansas	4.27	3.52	3.25	3.25
Kentucky	2.97	3.26	3.26	3.24
Louisiana	3.03	3.32	3.49	3.51
Maine	3.57	7.53	8.85	7.76
Maryland	3.89	4.34	3.52	3.30
Massachusetts	3.94	3.40	4.30	3.93
Michigan	2.91	3.90	3.84	3.80
Minnesota	2.94	3.77	3.65	3.43
Mississippi	3.36	3.18	3.85	3.28
Missouri	4.50	3.85	3.43	3.32
Montana	2.42	3.03	3.43	3.23
Nebraska	3.14	4.16	3.80	3.65
Nevada	3.16	3.18	3.56	3.38
New Hampshire	2.72	3.57	7.03	7.02
New Jersey	3.81	3.98	3.94	3.84
New Mexico	2.23	2.75	2.80	2.72
New York	3.03	2.84	2.92	2.62
North Carolina	3.21	3.10	2.87	2.98
North Dakota	2.97	3.65	3.84	3.76
Ohio	2.41	3.09	3.55	3.60
Oklahoma	3.73	3.58	3.69	3.62
Oregon	4.15	3.63	3.96	3.71
Pennsylvania	3.28	3.98	3.18	3.04
Rhode Island	2.14	2.22	2.24	2.23
South Carolina	3.37	3.41	3.27	3.42
South Dakota	2.47	3.40	3.49	3.65
Tennessee	2.97	3.11	3.14	3.21
Texas	3.20	3.60	3.87	3.79
Utah	4.63	6.06	6.05	5.61
Vermont	4.85	6.93	5.98	5.52
Virginia	3.92	3.72	3.31	3.40
Washington	3.43	3.12	3.63	3.21
West Virginia	3.18	3.26	3.38	3.13
Wisconsin	3.11	3.57	3.85	3.62
Wyoming	3.10	3.47	3.75	3.62
Total	3.22	3.49	3.48	3.39

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

Source: U.S. 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, 2016-2018
(dollars per thousand cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	14.83	15.52	12.99	21.93	R21.00	R17.27	R15.07	R15.29
Alaska	11.11	10.11	9.58	13.77	12.73	11.85	11.29	10.77
Arizona	15.55	14.91	14.97	22.69	R21.27	R19.20	R16.78	R14.22
Arkansas	11.55	12.47	10.32	21.08	R19.74	R14.02	R11.47	R12.06
California	12.12	12.79	11.20	12.36	R12.14	R12.42	R11.60	R12.26
Colorado	7.75	8.06	6.98	17.24	R14.43	R10.47	R7.40	R7.31
Connecticut	NA	13.70	12.30	22.33	R19.93	NA	R13.17	R12.75
Delaware	NA	12.01	11.06	23.32	20.31	14.91	12.22	11.64
District of Columbia	11.31	12.16	10.33	18.51	14.51	12.42	10.79	11.32
Florida	20.53	20.18	18.76	26.56	R24.53	R23.12	R20.48	R20.07
Georgia	14.09	16.89	13.24	27.63	R27.65	R21.53	R14.10	R13.01
Hawaii	42.50	38.22	36.86	45.44	41.62	44.49	42.51	42.16
Idaho	NA	7.84	8.53	10.35	9.55	9.17	7.70	7.08
Illinois	7.91	9.02	7.29	18.98	R15.17	12.61	7.57	7.25
Indiana	8.38	9.32	7.53	20.19	R18.83	R15.37	R8.06	R7.55
Iowa	8.33	8.62	7.43	19.70	R15.09	R10.94	R7.89	R8.11
Kansas	10.34	10.96	9.30	21.99	R18.46	R15.30	R11.89	R10.04
Kentucky	10.21	11.72	9.33	25.01	R24.49	R18.47	R9.65	R9.21
Louisiana	NA	12.81	10.35	16.97	R15.97	R13.37	R12.33	NA
Maine	NA	14.21	13.49	25.84	R20.22	R17.01	R15.58	NA
Maryland	11.26	12.73	10.76	19.57	R18.38	R14.33	R10.31	9.79
Massachusetts	NA	13.18	12.02	15.59	R14.55	NA	NA	NA
Michigan	NA	8.46	8.05	NA	R13.49	R11.94	R7.93	R7.60
Minnesota	NA	8.45	7.76	15.40	R12.97	NA	R7.75	NA
Mississippi	9.68	11.59	9.42	17.53	R16.68	R12.91	R9.99	R10.78
Missouri	9.74	10.88	9.96	24.11	R22.21	R13.57	R9.69	R9.42
Montana	NA	7.44	7.11	10.20	R9.11	7.71	R7.11	NA
Nebraska	NA	8.55	7.40	NA	R15.72	R10.00	R7.70	R7.71
Nevada	9.19	8.20	10.47	13.86	12.72	11.55	9.92	8.24
New Hampshire	14.93	13.57	13.41	21.07	17.88	16.60	15.68	15.51
New Jersey	8.83	8.66	7.75	12.11	R11.30	9.26	7.74	8.76
New Mexico	NA	8.83	7.31	12.79	R11.23	NA	R7.94	R7.28
New York	11.84	11.56	10.43	20.11	R19.32	R14.20	R11.29	R12.10
North Carolina	NA	13.69	10.63	NA	NA	R23.31	R12.50	R10.40
North Dakota	6.81	7.56	6.93	20.79	15.45	8.71	6.49	6.09
Ohio	8.52	9.45	8.03	26.49	R25.45	R14.97	R8.10	R7.30
Oklahoma	8.69	10.45	9.14	25.69	R22.84	R12.34	R9.00	R7.97
Oregon	10.90	10.45	12.30	15.10	14.21	13.66	11.10	9.85
Pennsylvania	11.11	11.01	9.72	19.76	R17.96	R14.14	R10.80	R10.45
Rhode Island	15.13	13.38	13.32	27.60	20.69	17.80	16.34	14.83
South Carolina	NA	15.02	11.71	29.36	NA	NA	R13.49	R10.57
South Dakota	NA	7.83	7.06	14.73	R11.80	R8.05	R6.98	NA
Tennessee	9.14	10.08	8.38	19.68	R18.42	R11.80	R9.10	R9.03
Texas	11.15	12.52	10.20	21.64	R20.20	R16.22	R12.92	R11.17
Utah	NA	8.86	8.99	10.24	10.26	9.44	NA	NA
Vermont	13.00	13.45	13.57	21.61	18.72	14.02	12.31	12.93
Virginia	11.09	11.99	10.14	20.51	R18.27	R14.22	R10.95	R9.38
Washington	10.53	10.60	10.51	14.98	13.36	12.99	10.34	9.93
West Virginia	NA	9.08	9.08	18.19	R17.75	NA	R9.63	R9.27
Wisconsin	7.78	8.37	7.80	12.84	R12.39	10.22	R6.93	R7.33
Wyoming	8.46	8.81	8.20	16.18	R13.11	R9.63	R8.51	R7.88
Total	10.31	10.77	9.48	17.88	R16.51	13.67	R10.08	R9.78

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2018							2017
	February	January	Total	December	November	October	September	August
Alabama	\$14.15	\$13.38	\$16.11	\$14.72	\$16.97	\$22.17	\$22.63	\$22.97
Alaska	10.62	10.59	10.52	\$10.66	\$10.65	\$11.17	\$12.13	\$13.39
Arizona	\$13.97	\$13.76	15.78	\$14.43	\$17.54	\$20.10	\$22.25	\$23.41
Arkansas	\$10.82	\$10.08	12.97	11.81	\$12.80	\$19.52	\$20.36	\$21.39
California	\$12.09	\$12.11	\$12.49	\$11.76	\$11.41	\$12.10	\$12.28	\$12.53
Colorado	\$6.60	\$6.59	\$8.08	\$6.84	\$7.39	\$8.44	\$12.16	\$13.78
Connecticut	\$12.69	\$12.02	\$13.95	\$11.94	\$13.42	\$19.83	\$21.74	\$22.65
Delaware	11.84	NA	\$12.84	\$12.44	\$14.34	\$22.06	\$22.02	\$24.65
District of Columbia	11.32	10.31	12.53	\$10.47	\$13.14	\$18.88	\$19.33	21.24
Florida	\$18.77	\$18.08	21.15	\$19.69	\$22.42	\$24.92	24.47	\$26.57
Georgia	\$12.42	\$10.55	\$16.93	\$11.23	\$14.39	\$22.07	\$31.00	\$32.32
Hawaii	42.05	39.90	38.88	39.57	39.91	39.77	39.98	40.28
Idaho	NA	\$7.33	\$7.65	\$6.82	\$7.15	\$7.43	\$9.46	\$10.87
Illinois	6.91	6.66	8.83	\$6.81	\$7.47	\$10.49	\$16.81	17.86
Indiana	\$7.99	\$6.90	8.94	\$6.56	7.77	\$10.47	\$17.64	20.65
Iowa	\$7.84	\$7.35	9.30	\$8.52	\$9.68	\$13.37	18.63	\$17.36
Kansas	\$8.89	\$8.69	10.95	\$9.02	8.98	\$14.20	\$21.05	\$22.57
Kentucky	\$9.68	\$8.53	\$11.62	\$9.03	\$10.65	\$14.80	\$22.54	\$24.81
Louisiana	9.92	\$8.72	\$13.04	\$10.76	\$13.25	\$16.52	\$16.49	\$17.30
Maine	\$16.46	\$14.65	14.61	13.59	14.14	18.92	23.14	24.48
Maryland	11.85	\$10.40	12.97	\$11.46	\$12.12	18.42	\$20.14	\$21.61
Massachusetts	NA	NA	\$13.32	\$13.78	\$12.74	\$12.26	\$15.45	\$15.95
Michigan	\$7.74	\$7.41	\$8.38	\$7.30	\$7.66	\$9.50	\$12.19	\$13.79
Minnesota	\$8.72	\$7.84	8.47	7.91	\$7.73	\$8.93	\$11.95	\$13.40
Mississippi	\$9.08	\$7.68	\$11.83	\$9.72	\$11.40	\$16.62	\$18.00	\$18.07
Missouri	\$8.56	\$8.11	\$11.78	\$9.87	12.26	22.34	25.33	\$27.73
Montana	6.95	\$7.00	7.62	\$7.42	7.47	8.21	10.53	11.64
Nebraska	\$7.41	\$6.94	\$9.01	\$7.91	\$8.69	\$14.15	\$17.19	\$17.53
Nevada	8.15	8.12	8.82	8.26	9.97	11.06	12.81	14.10
New Hampshire	13.93	13.28	14.55	14.36	16.92	22.75	24.80	25.25
New Jersey	\$8.63	\$8.87	\$9.14	\$9.53	\$10.00	\$11.24	\$11.55	\$12.08
New Mexico	\$7.06	\$7.08	9.22	\$8.05	9.02	\$12.87	\$14.89	\$15.78
New York	\$11.23	\$9.51	12.04	\$10.52	\$13.07	17.16	\$18.12	\$19.05
North Carolina	\$13.44	\$9.72	\$13.29	\$10.70	\$11.93	\$19.66	\$22.88	\$23.14
North Dakota	5.95	5.85	7.64	\$6.05	\$6.47	\$9.09	\$15.60	\$20.47
Ohio	\$7.61	\$6.45	9.72	\$7.02	\$8.78	\$15.19	\$23.38	\$27.28
Oklahoma	\$7.37	6.72	\$11.40	\$8.65	\$11.14	\$24.54	\$26.70	\$29.06
Oregon	9.81	10.85	\$10.59	\$9.77	\$10.43	\$11.18	\$14.68	\$16.69
Pennsylvania	\$10.86	\$10.02	11.40	\$10.38	\$11.33	16.27	\$17.48	\$20.04
Rhode Island	13.45	13.13	14.02	14.01	15.34	19.30	19.93	20.19
South Carolina	\$15.91	NA	14.57	\$11.48	\$12.83	\$19.35	\$25.03	26.44
South Dakota	\$6.89	\$6.86	8.18	\$7.55	\$7.66	\$11.01	14.40	\$14.62
Tennessee	\$8.74	\$7.89	\$10.31	\$8.66	\$10.32	\$16.00	\$17.18	\$19.34
Texas	\$9.61	\$8.84	\$13.61	\$11.91	\$14.66	\$20.64	\$21.76	\$23.39
Utah	\$10.08	9.40	\$9.05	9.76	\$9.14	8.22	10.38	\$11.21
Vermont	11.80	12.37	\$14.12	\$13.22	\$15.43	\$19.84	\$21.13	\$22.39
Virginia	\$11.63	\$10.04	12.34	\$10.54	\$11.89	20.00	\$20.71	\$22.04
Washington	\$9.62	10.18	\$10.62	\$9.66	10.22	\$10.92	13.81	\$16.05
West Virginia	\$9.27	\$8.94	9.43	\$9.00	\$9.41	\$11.26	\$14.16	\$17.51
Wisconsin	\$7.65	\$7.38	8.40	7.51	7.87	9.12	13.59	\$14.31
Wyoming	\$7.49	\$7.67	\$9.01	\$7.97	\$8.45	\$9.55	\$15.05	\$17.86
Total	\$9.64	\$8.92	\$10.91	\$9.29	\$10.15	\$13.36	\$16.92	\$18.22

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	\$22.15	\$21.14	\$20.57	\$16.19	\$14.51	\$14.69	\$13.50	\$14.06
Alaska	\$13.72	12.79	11.00	10.23	9.58	\$9.61	\$9.44	9.81
Arizona	\$22.74	\$20.48	\$18.19	\$16.82	\$15.32	12.66	\$12.70	15.28
Arkansas	20.16	\$18.25	15.66	\$14.02	\$12.52	\$11.81	\$10.40	11.17
California	\$12.55	\$13.14	\$12.96	\$12.51	\$12.41	\$12.65	\$13.10	11.84
Colorado	\$14.70	\$12.67	\$9.17	\$8.04	\$7.92	7.44	\$6.86	7.35
Connecticut	\$22.04	\$18.83	\$16.62	\$13.81	\$12.30	\$13.18	\$12.39	12.91
Delaware	\$22.84	\$18.85	\$16.02	\$12.07	\$11.34	\$11.04	\$10.65	11.88
District of Columbia	\$18.15	\$16.92	\$16.24	\$12.27	\$11.67	\$10.92	\$10.93	10.90
Florida	\$25.36	\$24.01	\$22.19	\$19.77	\$19.42	\$18.38	\$17.71	20.27
Georgia	\$32.42	\$29.52	\$27.26	\$18.21	\$13.69	\$13.57	\$11.84	14.56
Hawaii	39.99	37.63	39.21	38.06	38.69	37.91	36.66	36.48
Idaho	\$11.26	\$10.46	\$8.32	\$8.02	\$8.08	\$7.53	\$7.23	8.14
Illinois	\$16.90	\$15.32	\$11.11	\$10.22	\$7.95	\$8.39	\$7.58	7.88
Indiana	\$20.06	\$19.15	\$11.89	\$11.67	\$7.74	\$8.64	\$7.68	7.92
Iowa	\$17.65	\$14.96	\$10.83	\$8.95	\$7.71	\$7.98	\$7.62	8.13
Kansas	\$21.69	\$19.45	18.15	\$12.84	\$10.01	\$9.83	\$8.50	9.85
Kentucky	\$24.49	\$23.98	\$18.07	\$13.70	\$10.39	\$10.88	\$9.23	10.14
Louisiana	\$16.44	\$15.43	\$14.89	\$13.56	\$12.71	\$12.30	\$10.89	\$11.35
Maine	\$23.45	17.86	14.97	14.11	13.03	13.70	13.71	13.82
Maryland	\$20.23	18.91	\$16.53	\$14.62	\$10.86	\$12.26	\$11.35	11.53
Massachusetts	\$15.46	\$13.48	\$13.63	\$13.22	\$12.90	\$13.11	\$12.91	12.46
Michigan	\$14.46	\$13.24	\$9.89	\$9.22	\$7.77	\$7.98	\$7.59	8.21
Minnesota	\$13.36	\$12.48	\$9.69	\$8.44	\$7.63	\$8.06	\$8.05	8.01
Mississippi	\$17.37	\$16.11	\$15.02	\$12.82	\$10.64	\$10.67	\$10.02	10.06
Missouri	\$26.50	21.51	15.45	\$12.35	10.48	9.32	8.27	10.94
Montana	10.99	9.59	8.08	7.51	7.38	7.29	6.73	7.27
Nebraska	\$16.79	\$14.15	\$10.36	\$8.70	\$7.87	\$7.93	\$7.38	8.01
Nevada	13.23	11.62	10.63	8.99	7.76	7.10	6.96	10.23
New Hampshire	22.46	16.35	14.31	12.22	12.75	13.60	13.26	14.25
New Jersey	\$11.86	\$10.28	\$9.66	\$8.31	\$8.65	\$8.16	\$8.36	8.30
New Mexico	\$15.10	\$12.74	\$10.44	\$9.03	\$8.07	\$8.16	\$7.86	8.05
New York	\$19.13	\$16.28	\$14.45	\$11.10	\$10.81	\$11.04	\$9.86	10.84
North Carolina	\$22.49	\$23.15	\$19.75	\$17.86	\$11.65	\$13.82	\$11.72	11.31
North Dakota	\$21.82	\$19.59	13.01	\$7.59	\$6.46	\$6.79	\$5.93	7.21
Ohio	\$26.34	\$23.63	14.49	\$10.25	\$7.73	\$8.15	\$7.13	9.03
Oklahoma	\$25.92	\$21.84	\$15.91	\$13.17	\$10.28	\$8.78	\$7.13	10.57
Oregon	\$15.42	\$14.30	\$12.23	\$10.98	\$10.67	\$9.89	\$9.16	11.67
Pennsylvania	\$19.34	\$16.79	\$13.12	\$11.68	\$10.33	\$10.32	9.70	10.18
Rhode Island	19.15	16.38	15.11	13.18	12.79	12.72	12.58	13.80
South Carolina	\$24.68	\$24.33	\$21.98	\$17.13	\$11.79	\$15.05	\$13.40	12.62
South Dakota	\$14.52	\$12.01	\$9.06	\$7.73	\$7.46	\$7.80	\$6.89	7.60
Tennessee	\$18.74	\$16.89	\$14.15	\$10.96	\$9.62	\$9.29	\$8.55	9.21
Texas	\$20.93	\$18.54	\$17.09	\$15.59	\$12.25	\$10.61	\$9.56	11.73
Utah	10.88	9.56	\$8.35	9.15	9.18	\$8.78	8.40	9.12
Vermont	\$21.62	\$18.03	\$15.03	\$12.94	\$12.53	\$12.47	\$12.79	14.15
Virginia	\$20.79	\$18.59	17.62	\$13.56	10.54	\$11.78	\$9.99	10.88
Washington	\$15.38	14.64	12.02	10.66	\$10.24	\$10.04	9.75	10.78
West Virginia	18.81	\$14.75	\$11.56	\$9.55	\$8.47	\$8.39	\$8.19	9.26
Wisconsin	\$15.03	12.99	\$8.98	9.03	7.49	7.56	8.05	8.07
Wyoming	\$17.26	\$12.41	\$10.07	\$9.32	\$8.51	\$8.09	\$7.51	8.51
Total	\$17.86	\$16.06	\$13.26	\$11.34	\$9.86	\$10.01	\$9.32	10.05

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	14.29	19.11	21.24	21.16	21.29	20.59	19.33	17.18
Alaska	9.51	9.73	10.07	11.34	12.66	12.98	12.14	10.41
Arizona	12.70	15.69	18.72	20.81	22.42	21.61	19.59	17.54
Arkansas	10.66	17.46	18.13	18.76	18.56	16.74	15.32	13.66
California	13.08	12.33	13.31	13.26	12.82	11.90	11.31	11.45
Colorado	6.46	7.38	9.71	12.07	14.22	13.96	12.46	7.06
Connecticut	11.73	13.29	16.63	22.19	24.07	21.76	19.19	15.04
Delaware	11.38	13.77	19.82	22.52	24.25	21.38	17.57	13.46
District of Columbia	10.62	13.28	12.53	18.63	19.25	17.60	14.70	12.03
Florida	19.10	23.55	26.53	25.75	26.80	26.17	23.35	21.72
Georgia	11.95	16.05	24.53	26.14	25.14	25.12	23.85	19.43
Hawaii	37.57	34.17	37.56	35.43	34.94	34.84	42.65	39.99
Idaho	7.22	7.37	8.24	9.49	10.16	9.88	9.80	9.21
Illinois	6.74	8.71	12.16	16.72	17.33	16.49	12.62	10.48
Indiana	6.41	8.48	11.89	17.65	18.56	18.89	16.48	10.09
Iowa	6.93	10.22	14.77	16.31	17.64	16.05	13.28	8.74
Kansas	8.62	9.29	18.34	19.96	21.74	20.13	18.92	13.42
Kentucky	8.65	11.45	19.46	22.92	24.45	23.07	20.15	14.84
Louisiana	11.02	14.96	16.25	15.87	16.66	15.97	13.89	13.16
Maine	12.87	13.30	15.75	21.33	22.79	21.88	17.99	13.46
Maryland	10.84	13.22	17.39	20.27	20.97	19.83	15.79	12.44
Massachusetts	13.15	13.27	13.70	14.97	15.22	14.42	12.73	12.35
Michigan	7.35	7.98	9.38	12.85	14.65	13.50	13.02	9.65
Minnesota	7.31	7.98	9.51	13.20	13.37	13.50	11.71	9.87
Mississippi	8.86	13.44	15.87	15.19	15.99	15.67	13.92	12.95
Missouri	9.09	15.25	21.71	24.01	26.41	24.86	19.73	15.60
Montana	6.74	7.37	7.93	10.06	11.11	10.33	8.36	7.19
Nebraska	7.05	10.07	13.31	15.73	16.13	15.03	12.37	9.25
Nevada	7.57	9.70	11.49	13.81	14.42	14.63	12.99	11.92
New Hampshire	14.19	14.97	19.46	24.66	24.61	23.02	18.19	13.97
New Jersey	8.75	9.37	10.25	11.74	12.12	11.33	10.64	9.37
New Mexico	7.64	10.06	12.56	14.49	15.18	13.85	11.38	8.73
New York	9.60	10.95	14.87	17.34	17.86	16.64	14.69	10.99
North Carolina	10.61	11.89	18.54	21.70	21.26	22.51	19.62	16.42
North Dakota	5.68	6.96	8.49	16.28	20.06	20.50	19.20	9.52
Ohio	7.80	10.00	18.54	25.81	26.97	25.18	19.02	11.57
Oklahoma	8.37	18.86	24.82	26.09	28.99	24.71	19.80	16.73
Oregon	9.34	11.37	11.81	14.32	16.61	16.56	15.90	15.29
Pennsylvania	9.21	10.62	13.58	18.88	19.48	18.34	15.62	11.38
Rhode Island	13.03	14.27	17.92	20.26	20.37	19.20	16.89	14.49
South Carolina	11.62	13.55	22.15	25.25	25.55	26.86	24.09	18.62
South Dakota	6.73	9.58	10.46	13.36	14.15	13.48	11.34	7.74
Tennessee	8.77	12.18	17.97	17.59	18.88	17.11	14.81	12.58
Texas	10.83	18.72	20.34	21.23	22.98	19.53	16.70	16.50
Utah	8.99	9.91	9.23	10.12	10.76	10.67	9.81	8.89
Vermont	13.13	14.31	18.75	22.57	23.02	21.11	18.40	14.26
Virginia	10.16	12.69	16.02	20.91	20.99	19.60	15.27	12.49
Washington	10.06	11.05	11.53	13.92	16.14	15.24	13.58	11.62
West Virginia	8.22	8.92	11.65	16.69	18.41	17.03	15.58	11.72
Wisconsin	7.41	8.26	9.20	14.29	15.04	14.31	10.57	8.63
Wyoming	7.32	8.77	10.25	15.68	16.54	16.97	11.27	8.49
Total	9.06	10.77	13.74	16.78	17.60	16.56	14.43	11.62

See footnotes at end of table.

Table 20. Average price of natural gas sold to residential consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	14.46	12.17	11.27	12.16
Alaska	9.63	9.09	8.99	8.87
Arizona	16.63	18.16	13.91	12.06
Arkansas	10.84	10.27	9.01	9.49
California	10.44	10.54	11.46	11.39
Colorado	6.84	6.68	6.45	6.07
Connecticut	12.88	11.74	10.67	10.34
Delaware	11.49	10.26	9.73	10.11
District of Columbia	10.10	10.27	9.12	9.53
Florida	20.29	17.88	15.31	16.52
Georgia	15.77	12.53	10.57	10.40
Hawaii	36.94	37.08	33.73	33.45
Idaho	8.94	8.79	8.23	8.00
Illinois	7.53	7.08	6.30	5.83
Indiana	7.76	8.07	6.41	6.02
Iowa	7.53	7.33	6.52	6.53
Kansas	11.08	9.43	7.89	7.27
Kentucky	10.32	8.75	7.61	7.85
Louisiana	11.12	10.32	8.54	9.25
Maine	12.56	12.97	13.07	13.19
Maryland	11.30	10.85	9.30	9.78
Massachusetts	11.91	11.60	11.97	11.88
Michigan	7.84	7.82	7.61	7.29
Minnesota	7.62	7.66	7.12	7.05
Mississippi	10.76	9.01	7.96	8.43
Missouri	11.32	9.32	8.13	7.99
Montana	6.77	7.02	6.90	6.81
Nebraska	7.63	7.02	6.52	6.45
Nevada	11.25	10.84	9.75	9.12
New Hampshire	12.22	11.76	12.70	14.05
New Jersey	8.86	8.12	6.79	6.48
New Mexico	7.48	7.06	6.44	6.35
New York	9.88	9.64	9.45	10.30
North Carolina	13.11	12.62	9.06	8.76
North Dakota	6.90	6.30	5.60	5.49
Ohio	7.94	7.07	6.37	6.41
Oklahoma	10.96	8.92	6.81	6.53
Oregon	13.81	12.08	11.97	10.36
Pennsylvania	9.91	9.51	8.64	8.75
Rhode Island	13.42	12.64	12.35	12.73
South Carolina	15.18	13.47	9.75	9.04
South Dakota	6.87	7.14	6.59	6.29
Tennessee	9.52	7.88	7.27	7.40
Texas	11.75	10.12	7.87	7.85
Utah	8.96	9.51	8.79	8.59
Vermont	13.30	12.66	12.53	13.24
Virginia	10.47	10.04	8.63	9.30
Washington	10.55	10.34	9.90	9.53
West Virginia	9.36	8.82	8.31	8.31
Wisconsin	7.57	7.39	7.25	7.46
Wyoming	8.24	7.61	7.62	7.33
Total	9.65	9.19	8.36	8.28

^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: U.S. 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, 2016-2018
(dollars per thousand cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	NA	11.84	10.23	NA	R12.43	R12.18	R12.33	R11.93
Alaska	10.10	9.48	8.01	11.43	R10.84	R10.51	R10.16	R9.89
Arizona	9.22	8.75	9.11	9.14	R9.38	R9.44	R9.23	R9.16
Arkansas	8.14	8.22	6.98	8.98	R9.07	R8.45	7.91	R8.44
California	8.49	9.11	7.85	8.35	R7.76	R7.76	R7.99	R8.91
Colorado	6.86	7.13	6.13	10.74	R8.98	R8.34	R6.38	R6.75
Connecticut	8.94	9.32	8.54	11.07	R11.37	R11.38	8.58	R8.44
Delaware	NA	10.01	9.15	NA	NA	11.25	10.22	NA
District of Columbia	NA	10.88	9.62	10.65	9.20	10.16	10.24	NA
Florida	11.61	10.91	10.31	11.54	R11.69	R11.52	R11.44	R11.34
Georgia	8.11	8.88	7.58	9.31	R9.00	R8.54	R8.46	R7.90
Hawaii	31.22	26.90	25.03	31.69	30.90	33.05	31.93	30.74
Idaho	NA	6.76	7.40	6.86	NA	6.89	6.47	6.18
Illinois	7.07	8.09	6.67	14.15	R12.29	R10.72	R6.78	R6.54
Indiana	7.30	7.95	6.31	11.68	R10.71	R11.07	R7.01	6.77
Iowa	NA	6.74	5.69	8.98	R7.92	R7.06	R6.16	R6.48
Kansas	8.97	9.45	8.04	13.31	R12.30	R11.80	R9.80	R9.13
Kentucky	8.32	9.10	7.37	12.70	R12.85	R10.86	R8.03	R8.06
Louisiana	NA	9.09	7.62	8.39	8.50	R8.37	R8.56	NA
Maine	NA	11.29	10.66	13.50	R12.13	R12.12	R12.74	R12.94
Maryland	9.26	10.19	8.47	9.90	R11.28	R10.32	R8.97	8.32
Massachusetts	NA	10.10	9.30	NA	NA	NA	NA	NA
Michigan	NA	7.07	6.78	NA	R9.12	R8.18	R6.70	R6.61
Minnesota	NA	6.93	6.35	8.51	R7.94	NA	R5.67	NA
Mississippi	NA	8.88	7.70	8.45	R8.23	R8.55	R8.07	NA
Missouri	NA	8.06	7.53	10.30	R9.96	NA	R7.72	R7.66
Montana	NA	7.28	6.99	9.03	R8.49	R7.43	R6.94	NA
Nebraska	6.22	6.39	5.28	6.50	R6.40	R5.66	R5.87	R6.44
Nevada	6.49	5.36	7.33	7.22	7.19	6.91	6.59	6.23
New Hampshire	12.55	11.22	10.80	16.42	13.77	13.76	13.50	13.25
New Jersey	NA	9.09	7.54	NA	R9.12	8.34	7.33	9.22
New Mexico	NA	6.44	5.29	6.71	NA	NA	R5.46	R5.64
New York	7.48	7.04	6.35	7.05	R7.21	R7.41	R7.23	R7.90
North Carolina	NA	9.24	7.41	10.02	NA	R9.44	R8.49	R7.32
North Dakota	NA	6.03	5.25	7.40	6.64	NA	5.41	5.59
Ohio	5.81	6.26	5.48	7.97	R7.24	6.72	5.64	5.53
Oklahoma	6.82	7.87	6.83	14.52	R11.82	R8.52	R7.23	R6.40
Oregon	8.76	8.74	9.66	9.72	9.46	9.38	8.90	8.29
Pennsylvania	9.44	9.08	7.92	12.33	R11.80	R10.91	R9.68	R8.96
Rhode Island	12.46	10.79	10.81	18.44	16.76	14.43	13.64	12.55
South Carolina	NA	9.43	8.05	9.35	R9.06	R8.67	R8.79	R8.50
South Dakota	NA	6.10	5.34	7.60	R6.55	NA	R5.46	NA
Tennessee	8.31	8.69	7.29	9.98	R9.48	R8.49	R7.89	R8.19
Texas	7.30	7.53	6.29	8.21	R7.93	R7.79	R7.38	R7.35
Utah	7.84	7.34	7.45	6.62	6.95	7.16	7.68	7.78
Vermont	6.84	7.40	6.58	5.56	5.27	6.01	6.54	6.88
Virginia	8.00	7.99	6.95	8.90	R8.68	R8.62	R8.06	R7.36
Washington	NA	8.27	8.38	9.31	NA	8.50	NA	R7.94
West Virginia	8.06	7.40	7.69	10.36	R10.44	R9.60	R8.00	R7.79
Wisconsin	6.30	6.68	6.22	6.08	5.82	6.00	5.65	R6.22
Wyoming	6.78	6.95	6.46	7.02	R7.09	R6.98	R7.00	R6.74
Total	7.84	7.94	7.06	8.92	R8.59	8.47	7.67	R7.74

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2018							2017
	February	January	Total	December	November	October	September	August
Alabama	\$11.87	\$11.47	\$12.03	\$11.83	\$12.18	\$12.61	\$12.97	\$13.08
Alaska	\$9.88	\$9.82	\$9.79	\$9.89	\$10.00	\$10.33	\$11.00	\$11.50
Arizona	\$9.13	\$9.20	\$8.97	\$9.17	\$9.44	\$9.40	\$9.35	\$9.50
Arkansas	\$8.03	7.80	8.34	\$8.33	\$8.55	8.61	\$8.68	\$9.24
California	\$9.16	\$8.93	\$8.76	\$8.64	\$8.00	\$7.78	\$7.95	\$8.31
Colorado	\$6.23	\$6.29	\$7.17	\$6.62	\$6.87	\$7.25	\$9.22	\$9.16
Connecticut	\$8.37	\$7.91	9.30	\$7.96	\$8.71	10.64	10.73	\$11.16
Delaware	10.03	NA	\$10.37	\$10.35	\$10.88	\$12.52	\$11.82	\$13.39
District of Columbia	11.10	9.87	\$10.87	\$10.10	\$11.03	\$11.17	\$11.37	\$12.14
Florida	\$11.88	\$11.74	10.97	\$10.90	\$11.17	\$11.15	11.06	11.09
Georgia	\$8.00	\$7.64	\$8.78	\$8.13	\$8.53	\$9.02	\$9.33	\$9.71
Hawaii	32.37	28.30	\$27.41	\$28.25	\$28.45	\$27.38	\$28.06	\$28.56
Idaho	NA	6.52	\$6.62	\$6.22	\$6.30	\$6.28	\$7.16	\$7.18
Illinois	6.34	6.18	\$7.78	\$6.16	\$6.59	\$7.90	\$12.09	\$13.60
Indiana	\$7.34	\$6.36	\$7.52	\$5.93	\$6.78	\$7.28	\$9.96	\$11.61
Iowa	NA	\$6.21	\$6.87	\$6.96	\$6.51	\$6.52	\$9.05	\$9.29
Kansas	\$8.17	\$7.94	9.36	\$8.24	\$7.99	\$9.97	\$13.94	\$13.17
Kentucky	\$7.99	\$7.38	\$9.06	\$7.75	\$8.71	\$10.16	\$11.83	\$12.81
Louisiana	\$8.89	\$8.47	8.99	\$9.00	\$8.84	\$8.71	\$8.77	\$8.75
Maine	NA	\$12.68	\$11.33	11.35	\$10.75	\$11.58	\$12.33	12.77
Maryland	10.11	8.82	10.27	\$9.39	\$9.84	\$12.05	\$12.59	\$12.49
Massachusetts	NA	NA	10.16	\$10.86	\$9.79	8.71	\$10.12	\$10.35
Michigan	\$6.77	\$6.48	\$7.02	\$6.40	\$6.61	\$7.57	\$8.47	\$9.65
Minnesota	\$7.56	\$6.82	\$6.80	\$6.53	\$6.23	\$6.48	\$7.44	\$8.08
Mississippi	\$8.42	7.61	\$8.82	\$8.58	\$8.73	\$8.59	\$9.24	\$8.69
Missouri	\$7.21	\$7.31	\$8.44	\$8.16	\$9.18	\$10.55	\$10.65	\$11.19
Montana	\$6.81	\$6.95	7.42	\$7.39	\$7.24	\$7.72	8.82	\$9.67
Nebraska	\$6.52	\$6.08	\$6.37	\$6.19	\$6.10	\$6.48	\$6.78	\$6.93
Nevada	6.23	6.21	5.71	6.06	6.40	6.48	6.50	6.75
New Hampshire	11.84	11.15	11.71	11.83	12.78	15.10	16.06	16.06
New Jersey	9.42	8.92	\$9.14	\$9.27	\$9.47	\$9.12	\$8.66	\$9.47
New Mexico	\$5.59	\$5.71	6.59	\$6.19	7.25	7.60	\$7.41	\$7.43
New York	\$7.89	\$7.25	\$6.87	\$6.93	\$6.64	\$6.50	\$6.02	\$5.95
North Carolina	\$8.10	\$7.40	\$8.92	\$8.11	\$8.54	\$8.83	\$9.05	\$8.88
North Dakota	5.76	5.98	\$6.00	\$5.89	\$5.67	\$5.93	\$6.48	\$7.15
Ohio	\$5.66	5.46	\$6.11	\$5.31	\$5.48	\$6.54	\$7.44	\$7.81
Oklahoma	\$6.17	\$5.79	\$8.44	\$8.89	\$8.63	\$14.71	\$15.16	\$16.05
Oregon	8.14	9.03	\$8.74	\$8.28	\$8.57	\$8.84	\$9.84	\$10.44
Pennsylvania	\$9.47	\$8.80	9.16	\$8.74	\$8.79	\$10.34	\$11.10	\$11.53
Rhode Island	11.15	10.88	11.30	11.35	12.45	15.04	15.45	15.73
South Carolina	\$10.25	NA	\$9.30	\$9.45	\$9.30	\$8.56	\$9.05	\$8.86
South Dakota	\$5.60	\$5.85	\$6.26	\$6.74	\$5.97	\$5.96	\$7.51	\$7.68
Tennessee	\$8.31	\$8.01	\$8.74	\$8.24	\$8.80	\$9.47	\$9.38	\$9.65
Texas	\$7.12	\$6.77	7.71	\$7.78	\$7.72	\$8.22	\$8.35	\$8.37
Utah	8.47	8.02	7.40	8.26	7.34	6.44	7.07	7.40
Vermont	7.48	7.80	7.04	7.19	6.17	6.07	6.04	\$6.06
Virginia	\$8.79	\$7.53	7.99	\$7.57	\$7.89	8.42	8.59	\$9.00
Washington	\$8.07	\$8.30	8.30	\$7.93	\$8.15	\$8.35	\$9.15	\$9.86
West Virginia	\$7.89	\$7.63	\$7.65	\$7.66	\$7.86	\$8.56	\$8.93	\$9.37
Wisconsin	\$6.73	6.48	6.60	6.54	6.49	\$5.84	6.92	6.85
Wyoming	\$6.53	\$6.70	6.92	6.61	6.74	\$6.96	7.41	7.45
Total	\$7.83	\$7.43	\$7.88	\$7.42	\$7.51	\$7.97	\$8.52	8.76

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	\$13.11	\$12.80	\$12.73	\$12.18	\$11.49	\$11.36	\$11.15	\$10.66
Alaska	\$11.62	\$11.02	\$9.75	\$9.40	\$9.12	\$9.18	\$9.16	8.34
Arizona	\$9.22	\$9.03	\$8.96	\$9.10	\$8.94	\$8.33	\$8.29	8.83
Arkansas	\$9.27	\$9.16	\$8.79	\$8.56	\$8.25	\$8.13	\$7.59	7.14
California	\$8.40	\$8.74	\$8.68	\$8.81	\$9.47	\$9.34	\$9.60	8.42
Colorado	\$9.53	\$9.01	\$7.28	\$6.98	\$7.10	\$6.92	\$6.57	6.42
Connecticut	\$10.98	\$10.69	\$10.74	\$9.24	8.33	\$9.51	\$8.61	8.79
Delaware	\$12.79	\$11.67	\$10.95	\$9.94	\$9.76	\$9.61	\$9.44	9.58
District of Columbia	\$12.26	\$12.26	\$11.58	\$11.06	\$11.06	\$10.66	\$9.47	9.88
Florida	\$10.97	\$11.06	\$11.00	\$10.86	\$10.93	\$11.04	\$10.58	10.42
Georgia	\$9.37	\$9.80	\$9.39	\$9.11	\$8.55	\$8.86	\$8.40	7.92
Hawaii	\$27.37	\$26.30	\$26.98	\$26.98	\$27.41	\$27.16	\$26.22	\$24.78
Idaho	\$7.63	\$7.47	\$7.14	\$7.18	\$6.96	\$6.62	\$6.36	7.12
Illinois	\$12.43	\$12.52	\$11.00	\$9.14	\$7.25	\$7.59	\$6.90	7.14
Indiana	\$11.35	\$11.47	\$9.05	\$9.61	\$6.87	\$7.72	\$7.07	6.55
Iowa	\$9.56	\$8.98	\$7.77	\$6.84	\$6.12	\$6.40	\$6.41	5.99
Kansas	\$13.40	\$12.88	12.74	\$9.98	\$9.14	\$8.99	\$8.21	8.41
Kentucky	\$11.99	\$12.54	\$11.28	\$10.29	\$8.61	\$8.81	\$7.71	7.89
Louisiana	\$8.80	\$8.85	\$8.83	\$8.69	9.08	9.41	9.55	7.92
Maine	\$13.06	\$11.42	\$10.94	\$11.23	\$10.83	11.34	\$11.55	10.63
Maryland	11.30	\$12.16	\$11.76	\$11.48	\$9.18	\$9.98	\$9.54	8.94
Massachusetts	\$10.37	\$9.36	\$10.21	10.27	\$10.04	\$10.20	\$10.05	9.48
Michigan	\$9.15	\$9.00	\$7.92	\$7.31	\$6.80	\$6.86	\$6.65	6.90
Minnesota	\$7.72	\$8.10	\$7.04	\$6.80	\$6.36	\$6.94	\$7.08	6.44
Mississippi	\$8.69	\$8.47	\$8.84	\$8.93	\$8.68	\$9.09	\$9.03	7.80
Missouri	\$11.00	\$9.78	\$8.99	\$8.36	\$8.12	\$7.60	\$7.24	7.89
Montana	\$9.64	\$8.84	7.82	7.26	\$7.20	7.24	6.70	7.13
Nebraska	\$7.08	\$6.54	\$6.59	\$5.94	\$6.30	\$6.61	\$6.29	5.45
Nevada	6.40	5.90	5.85	5.38	5.14	5.02	5.09	6.84
New Hampshire	15.28	12.45	11.49	10.15	10.63	11.68	11.26	11.36
New Jersey	\$9.84	\$8.98	\$8.83	\$7.91	\$9.04	\$9.06	\$9.68	7.93
New Mexico	\$7.56	\$7.08	\$6.56	\$6.17	\$6.07	\$6.51	\$6.28	5.68
New York	\$6.64	\$6.87	\$6.90	\$6.99	\$7.14	\$7.51	\$6.82	\$6.19
North Carolina	\$8.63	\$9.94	\$10.69	\$10.16	\$8.35	\$9.88	\$8.67	7.71
North Dakota	\$7.65	\$7.57	\$6.52	\$5.68	\$5.67	\$6.32	\$5.74	5.45
Ohio	\$7.75	\$7.75	\$6.78	\$6.18	\$5.86	\$6.10	\$6.03	5.74
Oklahoma	\$14.86	\$13.30	\$11.40	\$9.56	\$7.91	\$6.88	\$5.94	7.72
Oregon	\$10.05	\$10.19	\$9.37	\$9.04	\$8.90	\$8.45	\$8.10	9.30
Pennsylvania	\$11.94	\$11.60	\$10.56	9.47	\$8.89	\$8.58	\$8.32	8.15
Rhode Island	15.38	13.10	12.02	10.63	10.42	10.45	10.02	11.16
South Carolina	\$9.04	\$8.95	\$8.64	\$9.66	\$8.59	\$10.15	\$10.31	8.42
South Dakota	\$7.63	\$7.41	\$6.26	\$5.83	\$5.77	\$6.43	\$5.77	5.64
Tennessee	\$9.56	\$9.41	\$9.13	\$8.76	\$8.50	\$8.56	\$8.33	7.80
Texas	\$8.19	\$7.70	7.57	\$7.62	\$7.19	\$7.51	\$7.40	6.89
Utah	7.28	6.83	6.51	7.47	7.71	7.48	7.29	7.43
Vermont	6.29	6.12	6.94	7.57	7.35	7.61	\$8.08	6.63
Virginia	\$8.76	\$9.18	9.07	\$8.05	7.19	\$8.45	\$7.44	7.23
Washington	\$9.48	9.40	7.68	\$8.27	\$8.22	\$8.22	\$8.03	8.49
West Virginia	\$9.54	\$9.48	\$8.28	\$7.71	\$7.09	\$7.02	\$6.97	7.75
Wisconsin	7.02	6.68	6.06	\$6.93	6.37	6.47	7.05	6.29
Wyoming	7.65	7.41	\$7.13	\$7.10	6.96	6.97	6.56	6.54
Total	\$8.81	\$8.75	\$8.31	\$8.04	\$7.68	\$7.89	\$7.58	7.28

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	11.13	12.09	11.83	11.70	11.76	11.62	11.20	10.51
Alaska	8.75	8.68	8.85	8.71	8.78	9.07	8.41	8.00
Arizona	8.03	8.22	8.52	8.64	8.65	8.74	8.73	8.81
Arkansas	7.59	8.63	7.01	6.89	7.16	6.90	7.22	7.11
California	9.96	9.28	9.08	9.16	8.74	8.07	7.43	7.33
Colorado	6.18	6.61	8.00	8.42	9.27	8.36	7.63	6.15
Connecticut	7.92	8.60	9.99	10.64	11.73	11.14	11.81	9.86
Delaware	9.88	10.36	11.42	11.86	12.11	11.50	10.86	10.03
District of Columbia	9.85	11.59	9.37	11.21	11.82	11.64	10.85	9.83
Florida	10.88	10.61	10.64	10.56	10.33	10.31	10.25	10.04
Georgia	7.55	8.77	9.29	9.55	9.59	9.35	8.73	8.39
Hawaii	25.31	22.95	25.40	25.04	23.45	23.14	30.09	27.54
Idaho	6.50	6.49	6.99	7.69	7.64	7.72	7.81	7.71
Illinois	6.44	8.08	9.03	12.30	12.93	12.26	10.93	9.47
Indiana	5.74	7.39	7.35	9.62	10.19	11.13	9.55	7.21
Iowa	5.96	6.48	6.86	7.53	8.14	7.82	7.12	5.81
Kansas	7.64	8.53	11.32	13.59	13.80	12.93	12.48	10.16
Kentucky	7.49	8.94	10.81	11.32	12.03	11.05	10.77	9.19
Louisiana	8.81	8.21	8.47	8.28	8.27	8.22	7.19	7.26
Maine	10.63	10.23	10.47	11.16	10.72	10.37	9.95	9.45
Maryland	8.83	10.06	10.89	11.78	11.49	11.34	9.65	8.11
Massachusetts	10.07	9.98	9.54	9.73	9.80	9.35	8.49	9.22
Michigan	6.56	6.94	7.58	9.02	9.31	8.65	8.50	7.28
Minnesota	6.30	6.28	6.73	7.88	7.79	7.90	7.08	6.40
Mississippi	8.10	8.57	8.11	7.56	7.49	7.61	7.04	7.51
Missouri	7.70	9.20	9.59	9.87	10.46	10.38	9.39	8.55
Montana	6.73	7.29	7.66	9.00	9.13	8.64	7.79	6.97
Nebraska	5.79	5.87	5.77	5.93	6.00	5.31	5.06	4.71
Nevada	5.37	5.78	6.24	6.87	6.89	7.22	7.08	7.04
New Hampshire	11.91	11.98	13.58	16.21	16.40	16.48	13.28	11.22
New Jersey	8.60	9.24	8.78	8.74	8.71	8.68	7.72	7.14
New Mexico	6.05	6.59	6.85	7.35	7.15	6.84	6.05	5.47
New York	6.50	5.97	5.59	5.33	5.30	5.58	5.77	6.03
North Carolina	8.36	8.05	7.95	8.19	8.30	8.77	8.52	8.02
North Dakota	5.43	5.60	5.82	6.74	7.29	7.01	6.68	5.36
Ohio	5.68	6.02	7.16	7.24	8.06	7.50	6.90	6.05
Oklahoma	6.86	12.30	14.46	14.76	15.03	13.80	12.31	10.88
Oregon	7.88	9.24	9.24	9.93	10.74	11.13	11.30	10.79
Pennsylvania	7.94	8.31	9.16	11.02	10.84	11.07	10.67	8.92
Rhode Island	10.27	11.48	14.53	16.35	15.78	15.43	13.58	11.51
South Carolina	9.48	9.01	9.02	8.56	8.48	8.71	7.79	7.43
South Dakota	5.72	5.97	6.30	7.16	7.90	6.98	6.46	5.07
Tennessee	8.23	9.06	9.78	9.10	9.49	8.70	8.30	7.63
Texas	7.60	8.25	8.52	8.15	8.26	7.52	6.73	6.84
Utah	7.65	7.50	6.71	6.84	7.10	7.01	6.84	6.77
Vermont	7.48	7.07	6.19	6.33	5.59	5.87	5.51	6.71
Virginia	7.55	7.54	7.68	8.67	8.40	8.20	7.66	7.17
Washington	8.14	8.60	8.78	9.45	9.87	9.37	9.64	8.09
West Virginia	7.10	7.50	8.72	9.99	10.27	10.14	9.78	9.00
Wisconsin	6.50	6.47	5.86	6.55	6.55	6.98	5.26	5.29
Wyoming	6.52	6.76	6.85	7.13	6.82	6.91	7.02	6.47
Total	7.27	7.67	7.96	8.28	8.30	8.14	7.72	7.32

See footnotes at end of table.

Table 21. Average price of natural gas sold to commercial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	10.52	10.10	9.75	9.86
Alaska	7.90	7.87	7.87	7.88
Arizona	9.10	9.77	9.36	8.97
Arkansas	6.85	7.11	6.74	7.16
California	7.18	8.16	8.48	8.03
Colorado	5.96	5.92	5.96	5.80
Connecticut	9.36	7.92	7.29	7.31
Delaware	9.33	8.79	8.58	8.75
District of Columbia	9.83	9.81	8.92	9.12
Florida	10.12	10.33	10.46	10.54
Georgia	8.17	7.60	7.22	6.78
Hawaii	25.75	25.00	21.69	22.17
Idaho	7.82	7.61	7.22	7.10
Illinois	6.99	6.51	5.88	5.54
Indiana	6.42	7.04	5.67	5.33
Iowa	5.55	5.80	5.40	5.36
Kansas	8.38	8.96	7.26	6.75
Kentucky	8.00	7.11	6.39	6.73
Louisiana	7.12	7.69	7.69	8.02
Maine	10.15	10.69	11.08	11.27
Maryland	8.20	8.70	8.02	8.25
Massachusetts	9.45	9.14	9.50	9.34
Michigan	6.62	6.63	6.64	6.53
Minnesota	6.17	6.43	6.24	6.15
Mississippi	8.04	7.83	7.55	7.93
Missouri	7.92	7.22	6.94	7.08
Montana	6.68	6.96	6.91	6.80
Nebraska	4.98	5.38	5.46	5.40
Nevada	7.25	7.59	7.48	7.34
New Hampshire	9.96	9.55	10.47	11.46
New Jersey	6.79	7.49	7.65	7.75
New Mexico	5.25	5.20	5.02	5.07
New York	6.21	6.48	6.70	6.70
North Carolina	7.78	8.27	6.97	6.64
North Dakota	4.62	5.20	5.16	5.20
Ohio	5.26	5.22	5.21	5.23
Oklahoma	8.09	6.78	5.42	5.39
Oregon	10.02	9.51	9.38	8.74
Pennsylvania	8.12	8.22	7.37	7.19
Rhode Island	10.79	10.32	10.10	10.37
South Carolina	8.36	8.36	8.12	7.80
South Dakota	4.94	5.60	5.36	5.04
Tennessee	7.61	7.03	7.02	6.95
Texas	6.14	6.17	5.85	5.98
Utah	7.37	7.91	7.55	7.46
Vermont	6.60	6.22	7.00	7.14
Virginia	6.59	7.12	6.62	6.82
Washington	7.99	8.03	8.63	8.08
West Virginia	7.89	7.56	7.30	7.24
Wisconsin	5.98	6.07	6.35	6.59
Wyoming	6.47	6.48	6.37	6.28
Total	6.98	7.08	6.86	6.75

^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: U.S. 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, 2016-2018
(dollars per thousand cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	4.19	4.38	3.44	3.90	\$3.89	\$3.90	\$3.90	\$3.93
Alaska	5.50	4.88	5.28	6.01	5.34	5.54	4.92	5.29
Arizona	NA	6.25	5.81	6.45	\$6.50	\$6.50	NA	\$6.99
Arkansas	6.81	6.68	5.56	7.08	\$6.70	\$6.55	\$6.61	\$7.09
California	6.81	7.49	6.27	6.43	\$6.09	\$6.08	\$6.35	\$7.43
Colorado	5.36	5.56	4.63	6.64	6.55	\$5.45	4.88	5.22
Connecticut	6.62	6.71	6.13	6.61	6.91	6.95	6.52	6.57
Delaware	NA	9.52	8.20	NA	NA	11.06	9.59	9.88
District of Columbia	--	--	--	--	--	--	--	--
Florida	6.38	6.19	5.81	5.93	\$5.51	\$6.38	\$6.49	\$6.84
Georgia	NA	4.77	3.84	4.38	NA	\$4.38	\$4.61	\$4.45
Hawaii	NA	19.09	17.37	23.04	23.32	23.05	22.04	21.57
Idaho	4.40	4.53	5.45	4.39	4.33	4.43	4.43	4.33
Illinois	NA	6.22	4.68	6.99	\$5.97	\$5.37	\$4.88	\$5.02
Indiana	6.18	6.25	4.75	7.39	\$6.56	\$6.42	\$6.09	\$5.84
Iowa	NA	5.14	4.58	4.45	\$4.32	\$4.36	\$5.17	\$5.27
Kansas	4.52	4.28	3.62	4.30	\$4.32	\$4.35	\$4.58	\$4.71
Kentucky	NA	4.58	3.58	3.88	\$3.84	\$3.97	\$4.07	\$4.35
Louisiana	3.41	3.79	2.77	3.35	\$3.29	\$3.44	\$2.99	\$3.64
Maine	9.76	8.49	7.66	6.41	6.30	6.81	11.17	11.71
Maryland	NA	9.76	8.42	9.63	NA	\$8.47	7.95	7.50
Massachusetts	10.68	8.17	7.33	6.82	\$7.60	\$10.40	\$13.18	\$11.87
Michigan	5.96	5.98	5.74	6.20	\$6.75	\$6.27	5.89	5.96
Minnesota	NA	4.60	4.05	4.48	\$4.49	NA	\$4.08	\$4.34
Mississippi	4.97	5.18	4.15	4.80	\$4.63	\$4.59	4.72	\$5.25
Missouri	6.59	6.67	6.13	5.80	\$5.63	\$5.97	\$6.96	\$6.79
Montana	6.54	6.60	6.04	5.65	\$6.19	\$6.21	\$6.80	\$6.55
Nebraska	4.51	4.66	3.95	4.20	\$3.82	\$3.84	\$4.23	\$5.15
Nevada	5.71	4.73	6.44	6.14	\$6.33	5.95	\$5.64	\$5.57
New Hampshire	NA	9.17	8.42	7.86	NA	10.84	NA	NA
New Jersey	NA	7.84	6.32	6.82	NA	6.51	6.65	8.90
New Mexico	NA	5.01	3.74	NA	NA	NA	\$3.68	\$4.54
New York	7.92	7.44	6.01	7.94	\$8.06	\$7.96	\$7.92	\$8.51
North Carolina	NA	6.35	5.38	5.81	\$5.88	\$6.03	\$6.16	\$5.95
North Dakota	3.05	3.05	2.29	2.72	2.65	2.65	2.57	2.71
Ohio	NA	6.71	4.48	NA	\$7.44	\$6.65	\$6.11	\$6.23
Oklahoma	NA	3.48	2.81	2.35	NA	\$1.99	\$1.66	\$2.49
Oregon	5.22	5.35	5.72	5.19	4.93	5.05	5.09	5.36
Pennsylvania	NA	8.14	7.19	9.82	\$9.36	\$8.60	\$8.44	NA
Rhode Island	NA	8.43	8.66	11.63	11.46	11.41	NA	10.14
South Carolina	4.82	4.96	3.90	4.65	\$4.39	\$4.33	\$4.38	\$4.67
South Dakota	4.65	5.16	4.57	5.55	\$4.76	\$4.36	\$4.21	\$4.83
Tennessee	5.13	5.16	4.24	4.61	\$4.45	\$4.68	\$4.92	\$5.28
Texas	3.20	3.39	2.30	3.19	\$3.22	\$3.10	2.98	2.87
Utah	5.73	5.57	5.68	4.64	\$5.19	5.32	\$5.86	6.14
Vermont	4.49	5.21	5.12	4.22	4.14	4.18	4.22	4.33
Virginia	5.02	5.11	4.32	5.00	\$4.91	\$5.05	\$4.66	\$5.04
Washington	NA	7.43	7.55	NA	NA	7.67	7.51	7.60
West Virginia	3.37	3.05	2.44	3.25	\$3.17	\$3.14	\$3.07	\$3.10
Wisconsin	5.02	5.47	5.02	3.81	4.26	3.98	4.20	5.25
Wyoming	3.93	4.27	3.74	3.22	3.24	3.92	4.31	4.21
Total	4.11	4.23	3.24	3.77	\$3.78	\$3.81	\$3.91	\$4.02

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2018							2017
	February	January	Total	December	November	October	September	August
Alabama	\$4.90	\$4.75	\$4.24	\$4.31	\$4.11	\$3.92	\$3.89	\$3.93
Alaska	5.57	5.68	\$4.63	\$4.73	\$4.59	\$4.02	\$3.63	\$3.16
Arizona	\$7.04	\$6.64	\$6.47	\$6.57	\$6.92	\$6.72	\$6.77	\$7.26
Arkansas	\$6.83	\$6.77	6.67	6.48	6.62	6.63	6.66	\$7.03
California	\$7.46	\$7.53	\$7.05	\$7.14	\$6.38	\$6.09	\$6.24	\$6.43
Colorado	5.15	5.06	5.58	5.04	5.18	7.00	\$5.77	5.91
Connecticut	6.57	6.43	6.48	\$6.12	\$6.08	\$5.97	\$6.38	\$6.03
Delaware	10.07	\$10.58	9.91	10.51	12.01	\$10.38	10.08	\$13.21
District of Columbia	--	--	--	--	--	--	--	--
Florida	\$5.87	\$7.36	\$6.17	\$5.82	\$6.20	\$6.26	\$6.11	\$6.36
Georgia	\$5.19	\$4.42	\$4.68	\$4.61	\$4.38	\$4.53	\$4.68	\$4.60
Hawaii	21.71	NA	\$19.62	\$22.24	\$20.83	\$21.09	\$19.75	\$18.87
Idaho	4.38	4.52	4.44	\$4.38	4.02	\$4.35	\$4.42	\$4.47
Illinois	NA	\$5.17	5.76	\$4.86	\$4.99	\$5.10	5.75	\$6.44
Indiana	\$5.87	\$6.38	\$5.99	\$4.85	\$5.34	\$5.43	\$7.01	\$7.98
Iowa	NA	\$5.53	5.21	\$5.55	\$5.12	\$5.06	\$5.33	\$5.18
Kansas	\$6.91	\$7.19	\$4.16	\$5.71	\$4.94	\$4.51	\$3.88	\$3.76
Kentucky	NA	\$4.46	\$4.46	\$4.54	\$4.26	\$4.26	\$4.15	\$4.18
Louisiana	\$3.47	\$3.74	\$3.64	\$3.35	\$3.41	\$3.53	\$3.46	\$3.55
Maine	11.69	9.71	8.15	9.59	9.29	5.26	5.30	5.42
Maryland	\$7.75	\$8.13	9.84	\$9.71	\$9.25	10.79	11.22	10.67
Massachusetts	\$11.51	\$9.64	8.02	\$8.96	\$7.77	\$5.63	\$7.20	\$7.26
Michigan	5.96	\$5.76	\$5.97	\$5.64	\$5.96	\$6.02	\$6.94	\$6.73
Minnesota	\$5.30	\$4.82	\$4.48	\$4.66	\$4.05	\$4.40	\$4.24	\$4.19
Mississippi	\$5.29	\$5.24	5.07	\$5.08	\$4.86	\$4.89	\$4.91	\$4.80
Missouri	\$6.73	\$6.83	\$6.64	\$6.84	\$6.96	\$6.43	\$6.03	\$6.24
Montana	\$6.38	\$7.02	6.60	7.41	\$6.55	\$6.49	\$6.38	\$5.70
Nebraska	\$4.95	\$4.90	4.54	\$4.45	\$4.28	\$4.21	\$4.38	\$4.32
Nevada	\$5.48	5.48	5.06	5.21	5.48	\$5.65	5.69	\$6.03
New Hampshire	9.39	NA	9.09	10.03	8.92	7.66	7.99	7.58
New Jersey	8.79	8.39	7.92	\$8.06	\$8.05	8.62	\$8.32	\$8.19
New Mexico	\$4.82	\$4.89	\$5.06	\$5.37	\$5.30	\$5.15	\$4.87	\$4.95
New York	\$7.90	\$7.38	7.21	\$7.20	\$6.71	\$6.44	\$6.17	\$6.82
North Carolina	\$6.53	NA	\$6.24	\$6.29	\$6.02	\$5.89	\$6.09	\$6.07
North Dakota	4.06	\$3.78	\$3.15	3.97	3.12	2.89	\$3.78	\$2.82
Ohio	NA	NA	6.71	6.24	\$6.42	\$7.24	\$8.04	\$7.85
Oklahoma	\$3.29	\$3.10	\$3.30	\$3.13	\$2.94	\$3.02	\$2.87	\$3.13
Oregon	5.39	5.35	\$5.31	\$5.18	\$5.28	\$5.17	\$5.19	\$5.50
Pennsylvania	NA	\$8.09	\$8.38	\$8.91	\$8.95	\$9.16	\$9.13	\$9.36
Rhode Island	8.75	8.62	8.48	8.62	8.45	8.41	8.59	8.74
South Carolina	\$5.40	\$6.08	\$4.86	\$5.17	\$4.54	\$4.58	\$4.71	\$4.56
South Dakota	\$4.74	\$4.67	\$5.09	\$4.87	\$4.61	\$5.35	\$6.04	\$5.64
Tennessee	\$5.96	\$5.57	\$5.04	\$5.22	\$4.95	\$4.69	\$4.70	\$4.66
Texas	3.78	\$3.32	3.28	\$3.22	2.98	\$3.12	3.21	3.19
Utah	6.33	6.25	\$5.51	6.02	5.45	\$5.15	5.13	\$5.12
Vermont	5.00	5.08	4.92	4.71	4.40	4.42	4.48	4.47
Virginia	\$5.33	\$5.07	\$5.04	\$5.15	\$4.64	\$4.69	\$4.92	\$5.22
Washington	7.62	7.49	7.39	\$7.45	7.34	\$7.11	\$7.22	7.42
West Virginia	\$4.36	\$3.40	\$3.21	\$4.12	\$4.07	\$3.03	\$2.80	\$2.85
Wisconsin	6.13	\$5.66	\$5.34	\$5.60	5.54	4.46	4.66	\$4.54
Wyoming	4.02	4.03	4.28	4.21	\$4.25	\$4.36	4.38	4.35
Total	\$4.86	\$4.49	\$4.10	\$4.21	\$3.85	\$3.79	\$3.84	\$3.79

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	\$4.07	\$4.21	\$4.18	\$4.25	\$4.08	\$4.70	\$5.07	3.79
Alaska	\$3.04	\$4.96	\$4.96	\$5.02	\$5.13	\$4.99	\$5.06	5.06
Arizona	\$6.49	\$6.86	\$6.31	\$6.18	\$5.95	\$6.04	\$6.18	5.79
Arkansas	6.74	6.69	\$6.53	6.80	6.63	6.69	\$6.73	5.78
California	\$6.59	\$7.01	\$7.05	\$7.19	\$7.71	\$7.96	\$8.38	6.79
Colorado	6.35	6.08	5.66	5.19	\$5.60	5.48	5.37	4.89
Connecticut	\$5.90	\$5.80	\$6.41	6.28	6.69	\$8.06	\$7.21	6.07
Delaware	\$13.50	\$10.22	\$9.81	\$9.07	\$9.57	\$9.11	8.93	9.02
District of Columbia	--	--	--	--	--	--	--	--
Florida	\$5.99	\$6.07	\$6.09	\$5.98	\$6.51	\$6.46	\$6.13	5.77
Georgia	\$4.45	\$4.67	\$4.64	\$4.74	\$4.29	\$5.12	\$5.48	\$4.13
Hawaii	\$18.57	\$19.10	\$19.60	\$18.83	\$19.22	\$19.69	\$18.66	\$17.74
Idaho	\$4.48	\$4.59	\$4.44	\$4.57	\$4.52	\$4.59	\$4.52	5.19
Illinois	\$7.17	\$6.70	\$6.78	\$6.31	\$5.87	\$6.15	\$6.12	5.03
Indiana	\$7.11	\$7.93	\$6.32	\$7.03	\$5.69	\$6.08	\$5.82	4.99
Iowa	\$5.43	\$5.51	\$5.31	\$5.06	4.69	\$5.14	\$5.22	4.70
Kansas	\$3.83	\$4.01	\$4.74	\$4.67	\$5.08	\$6.88	\$6.75	3.69
Kentucky	\$4.27	\$4.48	\$4.37	\$4.42	\$4.34	\$4.90	\$5.14	\$3.84
Louisiana	\$3.62	\$3.74	\$3.32	\$3.14	\$3.59	\$4.56	\$4.52	3.11
Maine	6.34	6.48	6.61	9.28	9.27	9.35	9.33	7.68
Maryland	11.28	11.91	\$10.56	\$11.53	\$8.52	\$9.82	\$9.49	8.80
Massachusetts	\$7.46	\$7.10	8.76	\$8.28	\$8.17	\$8.44	\$8.23	7.40
Michigan	\$6.47	\$6.40	\$6.36	\$6.10	\$5.89	\$5.99	\$5.77	5.75
Minnesota	\$4.14	\$4.44	\$4.23	\$4.40	\$4.42	\$4.86	\$5.15	4.19
Mississippi	\$5.02	\$4.84	\$4.92	\$4.62	5.28	5.92	\$5.47	\$4.34
Missouri	\$6.21	\$6.02	\$6.04	\$6.45	\$6.95	\$7.12	\$6.88	6.29
Montana	\$6.66	\$6.50	\$6.53	\$6.00	\$6.81	\$6.90	\$6.54	\$6.06
Nebraska	\$4.40	\$4.44	\$4.33	\$4.33	4.81	\$5.23	\$4.73	4.04
Nevada	5.74	5.48	5.15	4.61	4.47	4.38	4.36	5.90
New Hampshire	7.81	7.14	7.98	8.88	9.13	10.27	10.13	8.59
New Jersey	\$7.82	\$8.37	\$7.03	\$6.81	7.07	8.67	8.11	6.59
New Mexico	\$4.87	\$4.88	\$4.81	\$4.61	\$5.02	\$5.91	\$5.57	4.18
New York	8.04	7.78	\$7.20	\$7.85	\$7.49	\$7.45	\$6.91	5.92
North Carolina	\$6.04	\$5.97	\$6.07	\$6.35	\$6.34	\$6.65	\$6.66	5.43
North Dakota	2.85	2.95	\$2.81	2.89	\$2.66	\$3.45	3.96	2.62
Ohio	\$8.69	\$9.21	8.06	6.54	5.85	\$6.56	\$6.87	4.81
Oklahoma	\$3.46	\$3.39	\$3.22	\$3.21	\$2.93	\$3.82	\$4.22	\$2.94
Oregon	\$5.41	\$5.39	\$5.28	\$5.29	\$5.43	\$5.39	\$5.25	5.73
Pennsylvania	\$10.50	\$8.99	\$8.22	\$8.68	\$8.01	\$7.92	\$7.79	7.40
Rhode Island	8.74	8.43	8.55	8.67	8.39	8.34	8.06	8.70
South Carolina	\$4.98	\$4.83	\$4.69	\$4.83	\$4.46	\$5.14	\$5.78	4.20
South Dakota	\$5.62	\$5.20	\$5.22	\$4.57	\$5.01	\$5.36	\$5.20	4.78
Tennessee	\$4.77	\$4.94	\$4.86	\$4.93	\$5.03	\$5.61	\$5.76	4.44
Texas	\$3.40	3.51	3.37	\$3.34	2.81	3.43	3.84	2.65
Utah	5.20	5.04	5.14	5.70	5.87	5.98	6.03	5.52
Vermont	4.51	4.68	4.78	5.04	5.34	5.67	6.02	5.20
Virginia	\$4.94	\$5.41	\$5.04	\$4.87	\$4.67	\$5.61	\$5.38	4.42
Washington	\$7.73	\$7.38	7.52	7.52	\$7.35	7.59	\$7.19	7.47
West Virginia	\$2.90	\$2.85	\$2.92	\$2.90	\$3.16	\$3.46	\$3.11	2.43
Wisconsin	4.24	\$4.74	4.69	\$5.82	5.34	5.55	\$6.32	5.05
Wyoming	4.39	4.24	\$3.96	\$4.24	\$4.37	\$4.52	4.18	3.96
Total	\$3.93	\$4.06	\$4.03	\$4.13	\$3.94	\$4.56	\$4.87	\$3.51

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	4.91	4.33	4.24	4.11	3.82	3.98	3.34	2.97
Alaska	5.21	4.83	4.53	4.45	5.64	5.17	4.58	3.69
Arizona	5.94	5.82	5.61	5.56	5.98	5.81	4.97	5.64
Arkansas	6.59	6.30	5.80	5.76	5.81	5.33	5.21	5.27
California	8.44	7.48	7.27	7.35	6.91	6.30	5.80	5.84
Colorado	4.75	5.02	6.08	6.12	6.31	6.17	5.46	4.25
Connecticut	6.07	5.62	5.97	6.06	6.15	6.17	6.03	6.56
Delaware	9.04	10.07	10.31	11.86	10.24	8.94	8.72	8.56
District of Columbia	--	--	--	--	--	--	--	--
Florida	5.60	5.77	6.14	5.28	5.77	5.45	5.30	5.20
Georgia	4.93	4.42	4.47	4.49	4.38	4.27	3.65	3.60
Hawaii	18.72	18.98	17.90	17.68	18.11	18.65	19.11	17.00
Idaho	4.51	4.61	4.63	5.41	5.46	5.43	5.46	5.44
Illinois	5.22	5.83	5.72	6.07	7.16	6.99	5.49	4.45
Indiana	5.28	5.36	5.06	5.90	6.11	5.89	5.13	4.22
Iowa	5.15	4.68	4.94	4.96	4.33	4.66	4.44	4.07
Kansas	5.27	4.54	3.63	3.69	3.55	3.48	3.31	3.39
Kentucky	4.57	4.36	4.24	4.06	3.73	4.07	3.05	3.42
Louisiana	3.89	4.05	3.53	3.36	3.17	3.40	2.50	2.57
Maine	9.38	8.83	5.99	6.09	5.99	5.58	5.55	5.78
Maryland	8.97	9.47	10.69	10.34	12.50	13.80	9.80	7.35
Massachusetts	8.41	8.15	7.11	6.06	6.33	6.30	6.13	7.25
Michigan	5.63	5.55	6.11	6.05	6.00	6.38	5.98	5.75
Minnesota	4.65	4.35	4.28	4.21	4.19	4.41	3.70	3.60
Mississippi	4.70	4.81	4.59	4.50	4.48	3.86	3.85	3.72
Missouri	6.97	6.70	6.04	6.12	6.36	7.00	6.03	5.53
Montana	6.17	5.94	5.84	6.08	6.78	5.18	6.63	5.17
Nebraska	4.51	4.25	4.00	4.08	3.97	3.67	3.35	3.27
Nevada	4.60	5.07	5.21	5.88	5.80	6.52	6.11	6.00
New Hampshire	10.11	9.06	7.58	8.06	8.21	8.24	7.14	7.48
New Jersey	7.29	7.24	6.42	6.95	7.78	7.74	6.53	5.61
New Mexico	4.86	4.30	4.72	4.54	4.29	3.93	3.50	3.39
New York	6.11	5.69	5.56	5.29	5.70	5.56	5.55	5.72
North Carolina	6.12	5.46	5.26	5.26	5.20	5.15	5.09	5.11
North Dakota	3.45	2.86	2.91	2.87	3.76	3.03	2.13	1.95
Ohio	4.95	5.45	6.07	6.43	6.46	6.76	5.58	5.33
Oklahoma	2.36	3.70	3.13	4.85	4.57	3.82	4.05	3.53
Oregon	5.72	5.82	5.75	5.66	5.73	5.59	5.77	5.73
Pennsylvania	7.75	8.35	8.56	8.65	5.79	9.17	7.99	8.25
Rhode Island	8.00	8.83	9.01	9.16	9.22	8.91	8.76	8.91
South Carolina	5.30	4.77	4.48	4.37	4.24	4.46	3.58	3.56
South Dakota	4.78	4.94	5.09	6.12	6.01	5.20	4.78	4.33
Tennessee	5.31	4.80	4.70	4.49	4.36	4.42	3.68	3.80
Texas	3.35	2.93	3.22	3.15	3.02	2.98	2.16	2.14
Utah	5.89	5.17	4.96	4.93	5.00	5.02	5.10	5.14
Vermont	5.68	5.20	5.13	5.14	5.31	5.61	4.97	5.13
Virginia	4.79	4.46	4.41	4.46	4.55	4.16	4.31	4.08
Washington	7.38	7.24	7.20	7.33	7.77	7.76	8.16	7.33
West Virginia	2.52	2.40	2.52	2.33	2.26	2.30	2.40	2.28
Wisconsin	5.66	5.35	4.64	4.61	4.30	4.64	3.45	3.98
Wyoming	4.58	4.64	4.27	3.93	3.94	3.60	3.66	3.71
Total	4.27	3.86	3.87	3.74	3.59	3.57	2.89	2.90

See footnotes at end of table.

Table 22. Average price of natural gas sold to industrial consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	3.22	3.21	3.66	3.65
Alaska	6.36	6.75	6.74	4.88
Arizona	5.70	5.91	6.22	6.51
Arkansas	5.31	5.83	5.67	5.94
California	5.70	6.67	6.90	6.56
Colorado	4.36	4.95	4.50	4.21
Connecticut	6.82	5.82	5.69	6.08
Delaware	R7.91	8.24	7.93	8.09
District of Columbia	--	--	--	--
Florida	R5.73	R6.29	R6.12	R6.37
Georgia	R3.55	R3.56	R4.07	R4.14
Hawaii	R16.33	R15.51	R16.32	R18.26
Idaho	5.51	5.46	5.46	5.41
Illinois	4.94	4.74	4.54	4.29
Indiana	4.52	4.81	4.98	4.47
Iowa	4.44	4.86	4.36	5.01
Kansas	3.44	4.29	6.25	6.75
Kentucky	R3.00	R3.53	R3.87	R4.03
Louisiana	R2.50	2.41	2.95	R3.08
Maine	8.46	R8.51	R8.52	R8.46
Maryland	R7.56	R8.54	R8.45	R8.30
Massachusetts	7.49	7.43	7.78	7.64
Michigan	5.54	5.57	R5.88	R5.72
Minnesota	3.50	3.89	4.35	4.40
Mississippi	4.00	4.28	4.52	R4.58
Missouri	6.02	6.10	6.28	6.06
Montana	R5.79	R5.92	R6.72	R6.30
Nebraska	3.77	4.32	4.32	4.41
Nevada	6.22	6.75	6.66	6.50
New Hampshire	7.90	7.97	8.96	9.60
New Jersey	5.14	6.90	6.25	6.44
New Mexico	3.46	3.76	4.06	4.25
New York	5.88	6.20	6.24	R6.22
North Carolina	5.33	5.70	5.61	5.34
North Dakota	2.13	2.14	2.89	2.48
Ohio	4.25	4.10	4.17	4.36
Oklahoma	R3.12	R2.17	R2.09	R3.84
Oregon	R5.80	R5.76	5.78	5.61
Pennsylvania	6.75	R7.23	6.84	7.09
Rhode Island	8.77	8.40	8.44	8.61
South Carolina	3.22	3.58	4.21	4.83
South Dakota	4.10	4.50	4.51	4.83
Tennessee	3.83	4.28	4.77	4.69
Texas	2.08	1.88	2.39	2.45
Utah	5.68	5.97	6.44	6.08
Vermont	4.93	4.96	5.17	5.14
Virginia	3.78	4.39	4.48	4.79
Washington	7.38	7.47	7.72	7.38
West Virginia	2.17	2.59	2.69	2.47
Wisconsin	R5.07	R4.96	R5.47	5.76
Wyoming	3.65	3.68	3.82	3.95
Total	R3.00	R3.02	R3.58	3.62

^R Revised data.

-- Not applicable.

^{NA} Not available.

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

Sources: U.S. 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, 2016-2018
(dollars per thousand cubic feet)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	W	W	W	W	W	W	W	W
Alaska	8.05	8.09	6.57	7.76	7.76	7.76	7.76	8.44
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	7.92	3.36	2.88	3.06	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	4.86	W	3.82	3.04	2.79	2.74	3.92	4.25
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	W	W	W	W
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	2.64	--	2.88	2.63	2.27	--	--	--
Illinois	W	W	W	3.10	2.90	3.17	W	W
Indiana	W	W	W	3.07	3.10	3.01	W	W
Iowa	2.87	3.47	2.57	2.78	2.79	2.63	2.84	2.54
Kansas	3.11	3.68	3.26	3.27	2.95	2.67	3.10	3.03
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	3.04	W	W
Maine	W	W	W	W	--	W	W	W
Maryland	W	3.88	3.02	3.35	3.47	3.56	3.27	3.24
Massachusetts	W	W	2.97	2.90	2.84	2.47	5.54	4.27
Michigan	3.18	3.32	2.52	3.20	3.18	2.98	3.11	2.86
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	3.10	W	W	W	W	W	W
Montana	1.44	2.08	W	1.26	1.01	1.14	1.26	1.68
Nebraska	3.66	4.09	3.14	3.24	3.37	3.05	3.94	4.53
Nevada	2.93	3.65	2.74	3.08	2.60	2.40	2.76	2.91
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.34	3.15	2.17	2.71	2.70	2.52	2.90	2.95
New Mexico	2.67	3.63	2.80	2.59	2.64	2.18	2.04	2.59
New York	3.99	3.71	2.69	3.09	2.95	2.82	3.19	3.50
North Carolina	W	W	W	W	W	W	W	W
North Dakota	7.26	5.26	2.41	5.63	5.39	2.24	5.50	2.74
Ohio	2.99	3.19	2.17	2.98	2.95	2.76	2.87	2.72
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	3.10	2.91	1.91	2.62	2.53	2.44	2.65	2.66
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	--	2.32	--	--	--	--	--
Tennessee	2.93	3.10	2.33	2.73	2.91	2.61	2.59	2.77
Texas	3.06	3.19	2.40	2.95	3.01	2.87	2.84	2.75
Utah	W	W	W	2.73	2.61	2.49	2.54	2.89
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	3.23	3.29	3.24	3.50	W
Washington	W	4.42	W	W	W	W	W	W
West Virginia	W	W	2.16	W	W	W	W	W
Wisconsin	3.20	W	W	2.96	3.10	2.96	3.24	2.92
Wyoming	W	W	W	W	W	W	W	W
Total	3.61	3.60	2.76	3.42	3.21	3.15	3.25	3.32

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2018							2017
	February	January	Total	December	November	October	September	August
Alabama	W	W	W	W	W	W	W	W
Alaska	8.44	8.44	8.10	8.13	8.13	8.09	8.09	8.09
Arizona	3.33	W	3.68	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	3.72	3.79	W	W	W	W	W	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	7.69	11.06	W	W	4.17	2.86	2.67	W
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	4.58	4.38	W	W	W
Georgia	W	W	W	W	W	W	W	W
Hawaii	--	--	--	--	--	--	--	--
Idaho	3.32	--	--	--	--	--	--	--
Illinois	W	W	3.11	W	W	W	W	W
Indiana	W	W	W	W	W	W	W	W
Iowa	2.65	4.17	3.24	5.61	3.18	2.76	2.87	2.80
Kansas	3.46	4.32	3.68	4.27	3.52	3.24	3.65	3.44
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	4.26	W	W	W	W	W	W
Maine	W	W	W	W	--	W	W	W
Maryland	W	W	W	4.89	3.28	3.21	3.00	3.27
Massachusetts	W	14.30	3.82	8.72	W	W	2.29	2.42
Michigan	2.99	3.97	3.27	3.09	3.30	3.11	3.29	3.23
Minnesota	W	W	W	3.16	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	3.03	2.97	2.73	2.68	3.10	3.19
Montana	1.82	2.06	1.85	1.98	1.91	0.72	1.49	1.52
Nebraska	4.74	6.76	4.19	5.97	4.89	4.02	4.12	3.64
Nevada	3.39	3.37	3.50	3.47	3.40	3.14	3.35	3.27
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	3.07	7.90	3.01	5.39	2.95	1.63	2.04	2.19
New Mexico	3.06	4.18	3.58	3.67	3.69	3.36	3.45	3.50
New York	5.50	8.21	3.44	5.12	3.40	2.33	2.36	2.56
North Carolina	W	W	W	W	W	W	W	W
North Dakota	16.91	15.38	5.31	7.74	5.43	8.67	4.98	6.35
Ohio	2.95	3.63	3.05	3.00	2.94	2.89	2.81	2.76
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	3.36	5.92	2.58	3.93	2.37	1.47	1.71	2.03
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	3.68	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	--	--
Tennessee	3.17	3.61	3.04	3.02	2.92	2.88	2.99	2.86
Texas	2.90	4.09	3.13	2.95	3.10	3.11	3.11	3.03
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	3.48	W	W	W	2.67	2.94
Washington	W	W	4.11	4.13	4.39	3.70	3.94	3.62
West Virginia	W	W	W	W	W	W	W	W
Wisconsin	3.38	3.99	W	3.04	3.39	3.16	3.23	3.16
Wyoming	W	W	W	3.10	3.69	W	W	W
Total	3.74	5.35	3.52	3.81	3.50	3.27	3.31	3.27

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	W	W	W	W	W	W	W	W
Alaska	8.09	8.09	8.09	8.09	8.09	8.09	8.09	6.65
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	W	W	W	W	W	W	W	3.16
Colorado	W	W	W	W	W	W	W	W
Connecticut	W	W	W	W	W	5.84	8.10	3.67
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	4.33	W	3.59	4.02	4.38	4.92	3.86
Georgia	W	W	W	W	W	W	W	3.08
Hawaii	--	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--	2.92
Illinois	3.23	3.06	W	W	W	W	W	2.88
Indiana	W	W	W	W	W	W	W	W
Iowa	2.92	2.74	2.84	2.85	4.71	4.85	5.12	2.81
Kansas	3.22	3.43	4.10	3.88	3.52	4.82	4.92	3.48
Kentucky	W	W	W	W	W	5.96	W	W
Louisiana	W	W	W	W	W	W	W	2.76
Maine	W	W	--	W	W	W	W	W
Maryland	3.44	3.25	3.37	3.40	4.90	4.25	5.50	2.97
Massachusetts	2.58	2.65	3.36	3.47	4.35	W	W	3.29
Michigan	3.21	3.22	3.44	3.45	3.16	3.18	3.63	2.81
Minnesota	W	W	W	3.40	W	3.49	4.49	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	3.07	3.22	3.40	3.03	2.59	3.05	3.43	W
Montana	1.52	2.10	2.49	2.22	2.09	2.25	2.36	W
Nebraska	3.48	3.51	4.03	4.37	5.17	6.48	5.61	3.31
Nevada	3.29	3.48	3.49	3.74	3.60	3.80	4.37	3.02
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	2.44	2.42	3.24	3.34	3.45	3.64	4.06	2.20
New Mexico	3.53	3.51	3.69	3.85	3.27	3.65	4.02	3.07
New York	2.75	2.96	3.29	3.39	4.26	4.54	5.41	2.76
North Carolina	W	W	W	W	W	W	W	W
North Dakota	6.14	4.36	4.37	4.42	5.52	4.80	6.31	2.69
Ohio	2.91	3.06	3.22	3.28	2.93	3.26	3.84	2.36
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	2.27	2.39	3.00	3.00	2.86	3.21	4.12	1.94
Rhode Island	W	W	W	W	W	W	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	--	--	--	--	--	--	--	2.62
Tennessee	2.93	3.07	2.96	3.04	3.00	3.09	3.82	2.61
Texas	3.11	3.17	3.29	3.22	3.02	3.13	3.47	2.67
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	3.09	3.10	3.59	3.67	W	W	W	W
Washington	4.03	5.16	3.85	3.67	3.74	5.57	4.95	W
West Virginia	W	W	W	3.36	W	W	W	W
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	W	W	W	W	10.87	W	4.04	W
Total	3.32	3.41	3.61	3.50	3.52	3.74	4.33	2.99

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State								2016
	December	November	October	September	August	July	June	May
Alabama	W	W	W	W	W	W	W	W
Alaska	7.21	6.91	6.86	6.52	6.49	6.81	7.10	6.43
Arizona	W	W	W	W	W	W	W	W
Arkansas	W	W	W	W	W	W	W	W
California	4.05	¥3.22	¥3.33	¥3.51	¥3.39	¥3.42	¥2.95	W
Colorado	W	W	W	W	W	W	W	W
Connecticut	5.49	3.34	2.45	2.92	3.09	3.13	2.33	2.39
Delaware	--	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--	--
Florida	W	W	W	W	3.95	3.72	3.43	W
Georgia	W	3.15	3.59	3.59	3.33	3.30	3.03	2.44
Hawaii	--	--	--	--	--	--	--	--
Idaho	4.05	4.66	4.78	3.38	2.89	2.83	2.47	2.41
Illinois	W	W	3.18	3.29	3.07	¥3.06	W	2.25
Indiana	W	W	W	W	W	W	W	W
Iowa	3.83	3.02	3.00	3.00	2.94	2.83	2.63	2.10
Kansas	5.05	3.28	3.96	3.52	3.53	3.26	3.07	3.15
Kentucky	W	W	W	W	W	W	W	W
Louisiana	W	W	W	W	W	3.08	2.63	W
Maine	W	--	W	W	W	W	W	W
Maryland	4.98	3.67	2.75	2.47	2.97	2.94	3.01	2.50
Massachusetts	¥6.00	¥4.05	¥3.28	¥3.00	¥3.24	¥2.92	¥2.41	¥2.18
Michigan	3.93	2.77	3.19	3.32	3.12	3.04	2.75	2.28
Minnesota	W	W	W	W	W	W	W	W
Mississippi	W	W	W	W	W	W	W	W
Missouri	W	W	W	W	W	W	W	W
Montana	2.40	2.02	W	2.05	1.93	W	1.64	1.55
Nebraska	4.75	3.17	3.54	3.70	3.48	3.41	3.32	2.77
Nevada	3.77	3.35	3.46	3.39	3.23	3.38	2.57	2.54
New Hampshire	W	W	W	W	W	W	W	W
New Jersey	4.01	2.45	1.86	1.70	1.92	2.09	2.13	1.95
New Mexico	4.21	3.06	3.30	3.43	3.30	3.31	2.87	2.47
New York	¥5.48	2.95	1.98	2.18	¥2.56	¥2.73	¥2.35	2.12
North Carolina	W	W	W	W	W	W	W	W
North Dakota	¥3.52	¥2.69	¥3.05	¥3.03	¥2.94	¥2.84	¥2.59	¥2.01
Ohio	3.41	¥2.33	2.30	2.59	2.55	2.80	2.32	2.03
Oklahoma	W	W	W	W	W	W	W	W
Oregon	W	W	W	W	W	W	W	W
Pennsylvania	3.52	2.10	1.29	1.51	1.68	1.86	1.90	1.65
Rhode Island	W	W	W	W	W	2.92	W	W
South Carolina	W	W	W	W	W	W	W	W
South Dakota	3.92	2.50	3.38	3.39	2.94	2.87	2.53	2.10
Tennessee	3.44	2.84	3.15	2.91	2.69	2.74	2.37	1.96
Texas	3.44	2.71	3.24	3.13	2.94	2.95	2.62	2.17
Utah	W	W	W	W	W	W	W	W
Vermont	--	--	--	--	--	--	--	--
Virginia	W	W	W	W	W	W	W	W
Washington	W	W	W	W	W	W	W	W
West Virginia	¥5.88	¥2.84	1.69	1.97	W	¥3.22	2.00	2.03
Wisconsin	W	W	W	W	W	W	W	W
Wyoming	¥11.85	W	¥11.39	W	W	W	W	W
Total	¥4.15	3.14	¥3.23	¥3.18	3.07	3.07	2.77	2.49

See footnotes at end of table.

Table 23. Average price of natural gas sold to electric power^a consumers, by state, 2016-2018
(dollars per thousand cubic feet) – continued

State	2016			
	April	March	February	January
Alabama	W	W	W	W
Alaska	6.47	6.34	6.43	6.47
Arizona	W	W	W	W
Arkansas	W	W	W	W
California	¤2.43	¤2.52	¤2.80	¤3.02
Colorado	W	W	W	W
Connecticut	2.74	4.63	5.63	6.12
Delaware	--	--	--	--
District of Columbia	--	--	--	--
Florida	W	W	W	W
Georgia	2.40	2.23	W	W
Hawaii	--	--	--	--
Idaho	11.72	2.26	2.25	2.67
Illinois	2.24	2.31	W	W
Indiana	W	W	W	W
Iowa	2.61	2.23	2.57	2.96
Kansas	3.16	2.84	4.22	4.26
Kentucky	W	W	3.35	W
Louisiana	W	W	W	W
Maine	W	W	W	W
Maryland	2.40	2.69	5.64	3.59
Massachusetts	¤3.05	¤2.00	¤3.64	¤5.75
Michigan	2.31	2.14	2.37	¤2.67
Minnesota	W	W	W	W
Mississippi	W	W	W	W
Missouri	W	W	W	W
Montana	1.47	1.38	1.61	W
Nebraska	2.44	2.34	2.81	3.52
Nevada	2.40	2.30	2.78	2.98
New Hampshire	W	W	W	W
New Jersey	1.76	1.62	2.83	3.02
New Mexico	2.69	2.56	2.57	2.91
New York	¤2.37	¤2.23	¤3.45	¤3.82
North Carolina	W	W	W	W
North Dakota	¤2.05	¤1.88	¤2.19	¤2.41
Ohio	2.01	1.63	2.00	2.20
Oklahoma	W	W	W	W
Oregon	W	W	W	W
Pennsylvania	1.61	1.43	2.33	¤2.60
Rhode Island	W	W	W	W
South Carolina	W	W	W	W
South Dakota	2.07	1.82	2.08	2.57
Tennessee	1.96	2.05	2.33	2.58
Texas	2.14	1.91	2.19	2.53
Utah	W	W	W	W
Vermont	--	--	--	--
Virginia	W	W	W	W
Washington	W	W	W	W
West Virginia	¤2.13	¤1.93	2.07	2.22
Wisconsin	W	W	W	W
Wyoming	¤7.07	W	W	W
Total	2.52	2.33	2.83	¤3.18

^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.

^b Revised data.

-- Not applicable.

^w Withheld.

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

Sources: U.S. 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, 2016-2018

State	2018 7-Month YTD			2017 7-Month YTD			2016 7-Month YTD		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	NA	26.1	100.0	77.7	25.9	100.0	79.1	24.1
Alaska	100.0	98.7	100.0	100.0	98.7	100.0	100.0	98.6	100.0
Arizona	100.0	NA	NA	100.0	83.0	14.2	100.0	76.9	15.5
Arkansas	100.0	44.2	NA	100.0	39.6	1.4	100.0	41.5	1.4
California	94.9	53.1	4.2	95.1	54.1	4.2	95.0	52.1	4.0
Colorado	100.0	NA	7.3	100.0	93.7	7.2	100.0	94.4	8.0
Connecticut	NA	77.9	50.5	96.2	77.1	50.7	96.3	77.3	48.5
Delaware	NA	NA	NA	100.0	39.7	0.5	100.0	41.9	0.2
District of Columbia	76.0	NA	0.0	73.7	20.8	--	72.8	19.7	--
Florida	91.6	29.8	NA	91.2	30.7	3.4	91.9	30.6	3.4
Georgia	100.0	100.0	NA	100.0	100.0	25.0	100.0	100.0	21.6
Hawaii	100.0	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	NA	2.8	100.0	77.3	2.7	100.0	74.7	2.4
Illinois	85.7	34.9	NA	85.1	34.3	6.1	86.0	35.3	6.6
Indiana	96.0	66.7	NA	95.6	65.0	1.7	95.7	66.7	1.9
Iowa	100.0	NA	NA	100.0	69.0	2.5	100.0	70.7	3.3
Kansas	100.0	56.0	7.0	100.0	51.4	6.6	100.0	48.7	6.7
Kentucky	96.9	80.1	NA	96.5	78.1	17.4	96.5	79.3	16.7
Louisiana	NA	NA	NA	100.0	79.3	3.5	100.0	79.1	3.2
Maine	100.0	NA	9.2	100.0	61.5	9.3	100.0	59.0	8.6
Maryland	NA	NA	NA	74.3	26.5	4.4	73.2	26.5	4.5
Massachusetts	NA	NA	29.4	98.4	47.5	26.8	99.0	49.3	27.3
Michigan	NA	NA	NA	93.1	56.4	7.5	92.7	56.1	6.8
Minnesota	NA	NA	NA	100.0	88.7	16.3	100.0	84.7	15.4
Mississippi	99.7	NA	8.7	100.0	84.0	9.0	100.0	85.1	9.5
Missouri	100.0	NA	14.8	100.0	73.6	12.6	100.0	74.0	12.4
Montana	NA	NA	1.7	99.4	52.2	1.8	99.6	50.1	1.6
Nebraska	NA	57.3	6.4	87.7	56.8	6.7	87.8	60.3	6.9
Nevada	100.0	59.9	NA	100.0	61.2	14.9	100.0	60.4	13.1
New Hampshire	100.0	57.2	NA	100.0	55.0	5.2	100.0	54.6	7.1
New Jersey	95.2	NA	NA	94.5	45.2	7.6	94.3	40.3	6.1
New Mexico	NA	NA	NA	100.0	57.3	6.1	100.0	58.5	6.9
New York	100.0	100.0	NA	100.0	100.0	6.3	100.0	100.0	6.5
North Carolina	100.0	NA	NA	100.0	82.5	11.2	100.0	84.2	11.0
North Dakota	100.0	NA	36.8	100.0	93.0	37.8	100.0	93.1	30.8
Ohio	100.0	100.0	NA	100.0	100.0	1.0	100.0	100.0	2.3
Oklahoma	100.0	49.9	NA	100.0	47.2	7.3	100.0	46.9	9.3
Oregon	100.0	NA	15.7	100.0	94.6	15.5	100.0	94.3	14.4
Pennsylvania	86.6	37.8	NA	87.6	37.9	1.1	87.3	37.9	1.1
Rhode Island	100.0	53.6	NA	100.0	52.5	3.8	100.0	52.5	3.6
South Carolina	100.0	NA	NA	100.0	91.3	40.6	100.0	91.9	41.6
South Dakota	NA	NA	NA	100.0	81.8	4.1	100.0	81.1	4.8
Tennessee	100.0	NA	NA	100.0	88.1	23.8	100.0	88.6	28.5
Texas	NA	74.1	36.0	99.8	71.5	38.5	99.8	72.6	40.8
Utah	100.0	NA	3.0	100.0	74.4	4.5	100.0	77.8	6.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	NA	89.3	50.7	10.2	89.6	52.5	9.9
Washington	100.0	NA	NA	100.0	86.3	6.9	100.0	84.9	6.4
West Virginia	NA	57.3	4.2	100.0	52.5	3.8	100.0	53.9	10.4
Wisconsin	100.0	74.1	17.9	100.0	72.6	16.1	100.0	72.4	16.1
Wyoming	70.3	48.8	NA	71.4	49.8	1.7	71.9	50.3	1.9
Total	95.8	66.5	14.4	95.7	66.2	14.6	95.8	66.0	15.0

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2016-2018 – continued

State	2018								
	July			June			May		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	NA	24.5	100.0	R73.7	R25.3	100.0	R76.7	R25.8
Alaska	100.0	95.8	100.0	100.0	96.6	100.0	100.0	98.0	100.0
Arizona	100.0	69.6	12.7	100.0	NA	R13.3	100.0	NA	R12.2
Arkansas	100.0	24.3	1.2	100.0	24.8	R1.1	100.0	33.9	R1.2
California	94.5	49.1	3.3	94.6	R50.6	R4.0	94.6	R53.8	R4.1
Colorado	100.0	90.3	5.8	100.0	NA	R5.1	100.0	NA	R6.5
Connecticut	95.1	72.6	50.1	95.3	72.9	R48.6	NA	72.7	49.4
Delaware	100.0	NA	NA	100.0	NA	NA	100.0	33.2	NA
District of Columbia	68.9	14.1	0.0	69.0	21.7	0.0	75.2	18.9	0.0
Florida	92.6	27.6	3.6	R90.9	R27.5	NA	R90.8	R29.0	R4.5
Georgia	100.0	100.0	23.4	100.0	100.0	NA	100.0	100.0	R23.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	58.7	3.0	100.0	NA	3.2	100.0	61.2	2.8
Illinois	85.0	19.0	2.2	84.0	R21.7	R3.5	R77.4	R21.5	R6.1
Indiana	95.5	52.6	0.7	95.5	R52.6	0.7	95.1	R51.9	1.0
Iowa	100.0	46.3	2.1	100.0	47.9	R1.9	100.0	R52.3	R2.3
Kansas	100.0	26.8	16.7	100.0	R30.2	R11.7	100.0	R34.8	R9.5
Kentucky	97.8	66.6	16.8	97.6	R66.2	R17.6	95.3	R69.6	R16.3
Louisiana	100.0	75.9	3.3	100.0	R76.7	R4.0	100.0	R78.9	R3.6
Maine	100.0	NA	6.1	100.0	R52.1	R7.1	100.0	R57.7	R8.2
Maryland	73.2	21.6	1.3	73.0	R17.9	NA	NA	NA	1.8
Massachusetts	97.3	NA	24.6	R97.4	NA	R22.3	NA	NA	R30.1
Michigan	NA	NA	2.8	R94.0	R39.4	R2.5	90.2	41.7	R4.5
Minnesota	100.0	74.1	12.7	100.0	76.8	R14.1	NA	NA	NA
Mississippi	100.0	77.3	7.7	100.0	78.1	R7.5	100.0	80.4	R7.5
Missouri	100.0	58.7	8.3	100.0	R60.9	R9.6	100.0	NA	R12.2
Montana	99.4	37.8	0.7	99.4	41.9	R0.7	99.5	49.0	R1.2
Nebraska	NA	42.3	5.1	R89.0	R40.0	R5.4	87.5	R50.2	R6.5
Nevada	100.0	48.6	NA	100.0	50.6	10.9	100.0	53.1	13.8
New Hampshire	100.0	48.6	3.0	100.0	49.7	NA	100.0	53.6	R6.0
New Jersey	95.5	NA	5.4	R95.5	R30.9	NA	95.4	32.8	NA
New Mexico	99.9	37.6	NA	100.0	NA	NA	NA	NA	NA
New York	100.0	100.0	3.6	100.0	100.0	NA	100.0	100.0	R5.6
North Carolina	100.0	78.4	8.3	100.0	NA	8.2	100.0	80.3	9.2
North Dakota	100.0	84.5	38.0	100.0	87.2	R35.5	100.0	NA	R29.5
Ohio	100.0	100.0	NA	100.0	100.0	R0.5	100.0	100.0	R0.6
Oklahoma	100.0	29.0	9.2	100.0	R34.0	NA	100.0	R46.3	R7.8
Oregon	100.0	92.5	13.5	100.0	92.6	14.1	100.0	92.2	R14.2
Pennsylvania	87.0	26.2	0.3	86.5	25.9	0.4	84.7	31.3	0.8
Rhode Island	100.0	52.8	3.2	100.0	50.3	3.7	100.0	47.6	3.6
South Carolina	100.0	89.1	38.8	100.0	R90.7	R40.3	100.0	R89.7	R41.7
South Dakota	100.0	71.7	1.5	100.0	75.8	R1.7	100.0	NA	R3.6
Tennessee	100.0	79.0	20.3	100.0	81.0	R21.6	100.0	84.3	R24.2
Texas	98.5	63.5	34.7	99.2	R64.0	R35.5	99.4	R66.9	R35.1
Utah	100.0	55.4	2.9	100.0	66.2	2.9	100.0	NA	3.0
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	86.5	41.8	9.3	R88.6	R40.8	NA	R86.0	R38.7	R8.5
Washington	100.0	76.6	NA	100.0	NA	NA	100.0	79.5	4.6
West Virginia	100.0	31.2	3.9	100.0	R30.7	R4.5	NA	R36.0	4.7
Wisconsin	100.0	51.5	12.5	100.0	R53.2	R11.2	100.0	R61.5	R15.4
Wyoming	73.0	46.7	1.2	R73.2	47.1	R1.4	R72.0	R48.0	NA
Total	95.8	56.1	13.6	95.7	R57.7	R13.8	94.8	59.7	R13.8

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2016-2018 – continued

State	2018								
	April			March			February		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	R78.3	R26.5	100.0	R77.3	R26.9	100.0	R86.6	R26.6
Alaska	100.0	98.9	100.0	100.0	99.1	100.0	100.0	99.3	100.0
Arizona	100.0	NA	NA	100.0	NA	R11.4	100.0	NA	R12.9
Arkansas	100.0	39.9	R1.4	100.0	45.6	R1.4	100.0	54.5	R2.1
California	94.6	R52.1	4.3	94.8	R54.8	R4.5	95.4	R55.2	R5.2
Colorado	100.0	NA	R7.2	100.0	NA	R7.8	100.0	NA	R8.4
Connecticut	96.2	76.6	52.3	96.4	79.0	48.0	96.4	80.5	52.0
Delaware	100.0	41.6	NA	100.0	NA	NA	100.0	49.0	NA
District of Columbia	76.9	20.2	0.0	75.1	NA	0.0	77.4	22.3	0.0
Florida	R90.5	R29.6	R4.1	R90.5	R29.5	R3.8	R92.4	R31.7	R5.1
Georgia	100.0	100.0	R24.2	100.0	100.0	R23.0	100.0	100.0	R24.2
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	74.8	3.0	100.0	80.0	2.6	100.0	NA	2.7
Illinois	85.4	R34.5	R8.5	86.6	R37.6	R8.9	R86.0	R38.5	NA
Indiana	95.9	R66.5	1.9	96.0	R69.5	R1.9	R95.9	R68.9	2.6
Iowa	100.0	67.5	R2.3	100.0	69.3	R2.9	100.0	NA	NA
Kansas	100.0	R54.6	R5.6	100.0	R57.0	R4.3	100.0	R65.6	1.3
Kentucky	96.4	R78.8	R15.7	97.4	R81.5	R16.4	96.6	R83.1	NA
Louisiana	100.0	R78.7	R4.4	NA	NA	R3.6	100.0	R84.1	R4.3
Maine	100.0	R61.8	R10.3	100.0	R63.6	R10.4	100.0	NA	R10.1
Maryland	76.1	24.8	NA	76.0	32.4	NA	74.6	29.8	NA
Massachusetts	NA	NA	R27.9	NA	NA	R30.6	NA	NA	R30.9
Michigan	R93.4	62.0	R7.9	93.8	60.5	R8.5	93.6	61.4	NA
Minnesota	100.0	88.9	R18.0	NA	NA	R22.1	100.0	90.6	R22.1
Mississippi	100.0	R83.0	R8.4	100.0	NA	R8.4	100.0	R88.1	R11.2
Missouri	100.0	R75.4	R16.4	100.0	75.9	R14.7	100.0	R79.2	R18.8
Montana	99.5	R51.4	R2.0	NA	NA	R2.4	99.5	50.9	R2.5
Nebraska	R88.3	R58.7	R6.3	R88.4	R60.6	R6.7	R88.1	R60.0	R7.2
Nevada	100.0	57.5	15.3	100.0	64.9	17.6	100.0	64.3	R18.3
New Hampshire	100.0	56.8	NA	100.0	58.2	NA	100.0	58.6	NA
New Jersey	95.3	38.8	NA	95.5	47.2	NA	95.1	41.9	NA
New Mexico	100.0	NA	NA	100.0	R61.3	R4.4	100.0	R65.3	R3.8
New York	100.0	100.0	R7.2	100.0	100.0	7.5	100.0	100.0	R8.4
North Carolina	100.0	82.7	11.5	100.0	R89.0	R12.4	100.0	R84.2	R15.1
North Dakota	100.0	92.9	R40.9	100.0	NA	R35.1	100.0	94.2	R39.0
Ohio	100.0	100.0	R1.2	100.0	100.0	R1.1	100.0	100.0	NA
Oklahoma	100.0	R45.6	R7.5	100.0	R54.3	R7.6	100.0	R52.5	R7.5
Oregon	100.0	93.8	R16.1	100.0	94.8	R16.7	100.0	NA	R17.8
Pennsylvania	R85.8	R35.7	1.4	R87.5	40.6	NA	R86.2	R38.9	NA
Rhode Island	100.0	52.1	NA	100.0	54.0	3.8	100.0	53.7	4.1
South Carolina	100.0	R89.9	R41.5	100.0	92.4	NA	100.0	R92.4	R43.4
South Dakota	100.0	83.2	NA	NA	NA	R6.0	100.0	83.6	R5.7
Tennessee	100.0	88.9	R23.4	100.0	NA	R25.6	100.0	R93.1	R25.8
Texas	99.7	R70.5	R36.7	99.9	R75.9	R38.6	100.0	R78.4	R35.4
Utah	100.0	70.0	3.2	100.0	74.7	3.1	100.0	73.0	2.8
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	R89.0	R49.4	11.5	R91.8	R58.6	12.5	90.4	R52.8	11.3
Washington	100.0	NA	6.6	100.0	R87.3	NA	100.0	83.9	7.3
West Virginia	100.0	57.3	R4.5	100.0	R65.3	R4.0	100.0	R63.0	R4.0
Wisconsin	100.0	R74.1	R20.0	100.0	R75.8	R19.0	100.0	R78.6	R20.2
Wyoming	R71.2	49.5	R1.7	R70.2	49.8	R1.9	R69.2	48.9	R2.6
Total	95.6	65.2	R14.8	95.9	R68.4	15.0	96.0	R69.0	14.6

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2016-2018 – continued

State	2018						2017		
	January			Total			December		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	83.4	27.2	100.0	75.8	26.2	100.0	76.3	26.5
Alaska	100.0	99.2	100.0	100.0	98.4	100.0	100.0	99.3	100.0
Arizona	100.0	NA	12.6	100.0	81.1	13.8	100.0	80.7	13.5
Arkansas	100.0	54.9	NA	100.0	36.0	1.4	100.0	39.2	1.8
California	95.2	54.0	4.2	95.1	52.4	4.2	95.4	54.6	4.6
Colorado	100.0	NA	8.3	100.0	94.0	7.2	100.0	95.7	8.7
Connecticut	96.9	80.8	52.2	96.2	76.6	50.4	96.6	78.9	52.8
Delaware	NA	NA	0.4	100.0	36.1	0.3	100.0	36.7	0.3
District of Columbia	76.9	NA	0.0	73.9	20.1	--	75.4	21.3	--
Florida	92.6	32.7	3.8	91.3	30.4	3.4	91.3	32.8	3.6
Georgia	100.0	100.0	25.6	100.0	100.0	24.9	100.0	100.0	23.8
Hawaii	100.0	100.0	NA	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	82.6	2.7	100.0	76.9	2.8	100.0	84.7	3.4
Illinois	87.0	40.9	10.5	86.8	34.1	6.0	91.9	37.8	9.5
Indiana	96.3	70.1	NA	95.8	66.1	1.6	96.1	72.0	2.4
Iowa	100.0	70.8	2.8	100.0	68.5	3.0	100.0	72.2	4.9
Kansas	100.0	68.2	1.0	100.0	49.0	7.0	100.0	55.4	1.8
Kentucky	96.9	84.0	16.1	97.1	78.0	17.0	97.6	83.5	15.7
Louisiana	100.0	83.3	NA	100.0	78.5	3.5	100.0	78.3	3.5
Maine	100.0	67.7	10.7	100.0	59.3	9.0	100.0	63.2	10.6
Maryland	76.4	34.5	6.3	74.9	25.7	4.0	76.2	28.7	6.0
Massachusetts	NA	NA	33.4	98.3	46.1	26.4	98.0	53.2	30.3
Michigan	93.6	63.3	11.1	93.4	56.2	6.7	93.9	63.0	10.4
Minnesota	100.0	91.1	20.9	100.0	88.1	17.1	100.0	90.7	23.5
Mississippi	99.1	90.6	10.1	100.0	83.8	8.9	100.0	87.1	8.4
Missouri	100.0	82.1	18.9	100.0	71.7	12.1	100.0	73.5	13.4
Montana	99.5	55.5	2.1	99.4	49.7	1.4	99.5	48.4	1.2
Nebraska	88.6	61.5	7.1	87.5	55.1	6.1	87.5	57.8	6.0
Nevada	100.0	66.8	17.9	100.0	59.1	14.5	100.0	64.8	19.1
New Hampshire	100.0	59.1	NA	100.0	54.0	4.9	100.0	55.6	7.7
New Jersey	95.0	49.8	NA	94.7	42.7	6.6	95.1	46.5	10.7
New Mexico	100.0	60.1	3.2	100.0	54.0	6.6	100.0	51.3	4.1
New York	100.0	100.0	8.4	100.0	100.0	5.7	100.0	100.0	6.6
North Carolina	100.0	92.4	NA	100.0	83.6	10.8	100.0	89.8	12.4
North Dakota	100.0	94.7	38.3	100.0	92.7	35.0	100.0	94.1	42.3
Ohio	100.0	100.0	NA	100.0	100.0	0.9	100.0	100.0	1.4
Oklahoma	100.0	54.5	8.0	100.0	42.2	7.0	100.0	38.0	8.1
Oregon	100.0	95.1	16.9	100.0	94.5	15.5	100.0	95.6	17.1
Pennsylvania	86.8	41.8	2.6	87.7	37.4	0.9	87.9	42.7	1.2
Rhode Island	100.0	57.2	4.2	100.0	52.8	3.7	100.0	54.1	3.8
South Carolina	100.0	NA	38.1	100.0	91.3	40.4	100.0	93.4	38.1
South Dakota	100.0	84.1	5.8	100.0	80.9	4.1	100.0	83.2	8.0
Tennessee	100.0	93.4	NA	100.0	87.3	24.0	100.0	90.4	23.6
Texas	NA	82.1	36.3	99.8	70.2	38.4	99.7	73.5	37.6
Utah	100.0	77.2	3.0	100.0	72.6	4.1	100.0	75.5	3.0
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	NA	NA	14.9	90.0	51.3	9.8	92.1	61.8	11.9
Washington	100.0	87.8	7.7	100.0	86.4	6.4	100.0	89.7	7.4
West Virginia	100.0	66.5	3.6	100.0	51.8	3.8	100.0	64.3	3.6
Wisconsin	100.0	80.1	21.8	100.0	71.9	16.2	100.0	78.3	22.2
Wyoming	69.2	48.4	2.1	71.9	50.7	1.7	72.9	52.6	1.9
Total	96.1	71.2	14.9	95.9	65.4	14.5	96.5	69.1	15.0

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2016-2018 – continued

State	2017								
	November			October			September		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	72.1	26.9	100.0	68.7	27.6	100.0	71.3	26.6
Alaska	100.0	98.7	100.0	100.0	96.7	100.0	100.0	96.4	100.0
Arizona	100.0	78.8	14.2	100.0	77.6	13.0	100.0	77.9	14.3
Arkansas	100.0	30.7	1.6	100.0	25.3	1.2	100.0	25.5	1.4
California	95.3	51.0	4.0	95.0	48.3	4.5	95.1	47.4	3.9
Colorado	100.0	94.9	8.0	100.0	94.2	6.2	100.0	91.1	6.2
Connecticut	95.5	76.5	49.6	95.1	72.9	49.1	95.5	73.5	49.6
Delaware	100.0	30.2	0.2	100.0	23.4	0.2	100.0	24.6	0.1
District of Columbia	74.7	19.1	--	71.7	16.2	--	71.0	16.6	--
Florida	90.2	30.6	3.8	91.9	27.7	3.1	93.0	30.5	3.7
Georgia	100.0	100.0	23.1	100.0	100.0	26.5	100.0	100.0	26.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	77.5	2.6	100.0	72.7	2.5	100.0	64.2	2.5
Illinois	87.6	36.2	6.9	90.3	34.3	4.7	86.4	21.3	2.7
Indiana	95.9	67.7	2.2	95.7	67.6	1.2	95.7	56.5	0.9
Iowa	100.0	70.3	5.4	100.0	67.6	2.9	100.0	54.0	2.3
Kansas	100.0	54.0	2.6	100.0	37.2	2.7	100.0	26.8	11.9
Kentucky	98.0	78.7	15.6	98.8	72.8	17.5	97.6	69.1	16.9
Louisiana	100.0	75.3	4.0	100.0	76.2	3.5	100.0	78.7	3.5
Maine	100.0	53.2	9.2	100.0	45.6	7.6	100.0	45.0	6.8
Maryland	78.1	28.8	3.8	73.4	21.0	2.6	73.6	17.0	1.6
Massachusetts	98.2	45.3	25.0	97.9	35.1	24.8	97.9	28.0	22.2
Michigan	93.9	58.6	5.2	93.9	52.8	4.0	93.9	38.9	2.9
Minnesota	100.0	89.6	23.2	100.0	87.6	16.7	100.0	75.5	12.8
Mississippi	100.0	82.6	9.4	100.0	82.6	9.3	100.0	80.3	8.6
Missouri	100.0	70.3	12.4	100.0	60.4	10.2	100.0	61.3	10.9
Montana	99.5	47.3	1.3	99.5	44.1	0.9	99.5	37.9	0.8
Nebraska	86.5	53.6	5.7	84.4	46.6	4.7	88.9	43.9	4.9
Nevada	100.0	57.9	16.0	100.0	50.9	14.2	100.0	48.8	10.6
New Hampshire	100.0	49.9	4.9	100.0	46.4	3.2	100.0	45.5	2.7
New Jersey	95.1	42.0	6.2	94.8	33.8	2.2	94.7	20.4	2.5
New Mexico	100.0	47.3	7.6	99.9	43.2	8.5	99.9	46.6	7.4
New York	100.0	100.0	4.3	100.0	100.0	4.2	100.0	100.0	4.1
North Carolina	100.0	87.0	10.7	100.0	84.5	9.8	100.0	76.6	9.7
North Dakota	100.0	93.7	28.3	100.0	89.9	30.9	100.0	88.2	8.9
Ohio	100.0	100.0	0.9	100.0	100.0	0.5	100.0	100.0	0.4
Oklahoma	100.0	34.6	5.8	100.0	24.8	5.9	100.0	30.1	7.4
Oregon	100.0	94.7	16.3	100.0	93.6	15.5	100.0	92.2	14.8
Pennsylvania	88.4	35.4	0.7	88.0	31.7	0.4	87.9	28.9	0.3
Rhode Island	100.0	53.9	3.8	100.0	51.5	3.6	100.0	53.5	3.2
South Carolina	100.0	91.6	42.0	100.0	90.7	40.0	100.0	89.3	40.3
South Dakota	100.0	81.3	5.5	100.0	77.2	2.3	100.0	71.2	1.6
Tennessee	100.0	86.8	26.7	100.0	82.5	25.6	100.0	80.4	22.7
Texas	99.7	70.4	37.5	99.7	65.9	37.8	99.8	64.1	38.5
Utah	100.0	68.0	3.4	100.0	67.8	3.4	100.0	58.4	3.7
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	92.2	54.9	10.3	90.5	47.1	8.3	86.7	38.6	7.6
Washington	100.0	88.3	6.6	100.0	86.3	5.7	100.0	81.5	5.3
West Virginia	100.0	54.6	4.1	100.0	36.6	3.8	100.0	36.2	3.4
Wisconsin	100.0	75.0	18.1	100.0	63.6	15.0	100.0	52.2	10.6
Wyoming	72.3	52.7	2.0	72.7	52.8	1.5	74.9	53.5	1.8
Total	96.0	65.8	14.5	96.4	61.5	14.2	96.1	56.2	13.7

See footnotes at end of table.

Table 24. Percentage of total deliveries included in residential, commercial, and industrial prices, by state, 2016-2018 – continued

State	2017								
	August			July			June		
	Residential	Commercial	Industrial	Residential	Commercial	Industrial	Residential	Commercial	Industrial
Alabama	100.0	R70.8	R25.2	100.0	R72.4	R25.0	100.0	72.4	R25.7
Alaska	100.0	96.4	100.0	100.0	97.5	100.0	100.0	96.7	100.0
Arizona	100.0	72.5	R11.9	100.0	79.9	R14.2	100.0	R81.3	R12.8
Arkansas	100.0	R24.3	R1.3	100.0	R23.4	R1.4	R30.1	R25.1	R1.1
California	R94.5	R46.8	R3.9	R95.1	R48.4	3.5	94.7	R51.4	3.6
Colorado	100.0	R91.5	R5.5	100.0	R91.0	R5.4	100.0	R90.8	R5.2
Connecticut	95.4	72.2	R47.2	95.2	73.0	R50.0	95.4	72.4	47.7
Delaware	100.0	R23.0	0.1	100.0	R26.1	0.1	100.0	R29.0	0.2
District of Columbia	73.0	R16.9	--	R67.9	R16.6	--	R70.7	R17.7	--
Florida	92.4	27.3	R3.2	92.4	R29.6	R3.1	91.9	30.2	R3.2
Georgia	100.0	100.0	R24.3	100.0	100.0	R25.6	100.0	100.0	R25.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	100.0	63.0	2.9	100.0	R54.3	2.6	100.0	R58.7	2.9
Illinois	82.7	20.6	R2.8	R85.8	23.8	2.4	R83.4	R22.9	R2.9
Indiana	95.1	53.1	0.9	95.4	R55.0	R0.7	95.5	54.6	0.9
Iowa	100.0	R54.8	R1.7	100.0	51.8	R1.9	100.0	52.8	R1.6
Kansas	100.0	R27.7	R17.2	100.0	R27.4	R18.8	100.0	R32.1	R10.9
Kentucky	97.7	R64.8	R16.7	97.5	R68.2	R17.1	96.9	R67.3	R18.5
Louisiana	100.0	76.9	R3.3	100.0	76.3	R3.5	100.0	76.6	R3.7
Maine	100.0	43.6	7.2	100.0	R43.2	6.4	100.0	53.2	7.4
Maryland	R72.4	R16.4	2.0	R70.1	17.0	1.4	70.9	20.0	1.2
Massachusetts	97.9	R29.0	R21.9	98.0	R29.8	R22.2	98.0	R34.9	R23.4
Michigan	R93.4	R36.2	R2.3	R92.5	R36.8	R2.7	R93.3	R38.4	R3.2
Minnesota	100.0	R71.0	R12.2	100.0	R76.7	R14.8	100.0	73.8	R11.3
Mississippi	100.0	R81.3	R7.9	100.0	R80.5	R8.8	100.0	R78.7	R8.8
Missouri	100.0	R58.6	R8.9	100.0	R60.9	R9.2	100.0	R62.8	R9.3
Montana	99.4	R37.2	0.9	99.3	40.0	0.7	99.3	43.6	1.0
Nebraska	89.3	R42.4	R4.6	89.2	R42.8	R4.8	87.8	R45.6	R6.6
Nevada	100.0	47.1	R8.5	100.0	49.3	R9.8	100.0	52.8	R10.1
New Hampshire	100.0	46.6	R3.0	100.0	46.6	R2.2	100.0	47.7	R3.2
New Jersey	R94.9	29.0	2.2	94.1	28.0	2.7	94.7	R29.9	2.6
New Mexico	99.9	R46.7	R10.0	99.9	R48.2	R9.9	100.0	R52.4	R7.3
New York	100.0	100.0	4.6	100.0	100.0	3.7	100.0	100.0	3.9
North Carolina	100.0	R75.9	R8.7	100.0	R76.2	8.8	100.0	R75.1	R9.5
North Dakota	100.0	R86.7	R33.7	100.0	R84.3	R32.8	100.0	R86.0	R37.5
Ohio	100.0	100.0	R0.5	100.0	100.0	R0.3	100.0	100.0	R0.3
Oklahoma	100.0	R29.2	R5.0	100.0	R31.8	R5.0	100.0	R34.2	R7.6
Oregon	100.0	R92.5	R13.3	100.0	R92.7	R13.4	100.0	R92.4	R13.5
Pennsylvania	87.8	R29.0	0.3	87.6	R27.6	0.3	87.3	R28.0	0.3
Rhode Island	100.0	54.4	3.1	100.0	50.7	3.4	100.0	47.9	4.1
South Carolina	100.0	R89.6	R40.4	100.0	R90.4	R38.5	100.0	R90.3	R40.3
South Dakota	100.0	R68.0	R1.8	100.0	73.1	R2.1	100.0	71.0	R2.2
Tennessee	100.0	R79.2	R23.0	100.0	R80.7	R21.8	100.0	R81.9	R23.2
Texas	R99.8	R62.8	R39.6	99.8	R63.4	R39.3	99.8	R66.3	R38.8
Utah	100.0	55.2	4.0	100.0	60.1	4.8	100.0	60.5	5.1
Vermont	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Virginia	R87.7	R40.8	R7.3	R86.1	39.5	7.8	R85.9	R39.9	R7.2
Washington	100.0	R78.0	R3.9	100.0	R79.8	4.3	100.0	79.1	4.8
West Virginia	100.0	R30.0	R4.1	100.0	R30.6	R2.9	100.0	R28.0	R4.0
Wisconsin	100.0	52.4	R11.1	100.0	52.9	R13.3	100.0	55.7	R10.1
Wyoming	72.7	R49.6	R1.3	71.7	R52.3	1.5	71.2	R50.3	R1.4
Total	R95.6	55.9	14.2	95.8	R57.2	R14.6	R94.4	58.2	R14.5

^R Revised data.

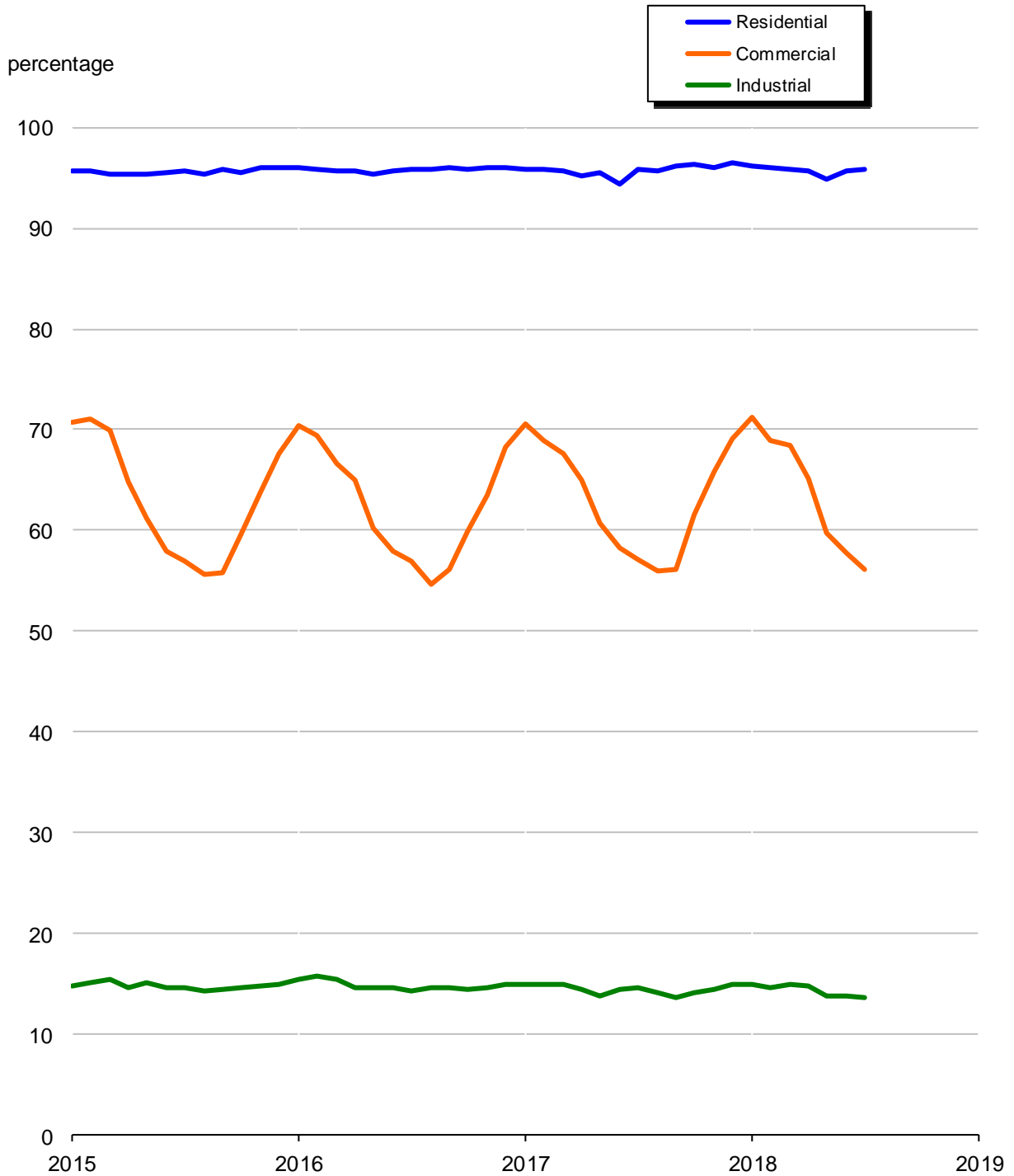
-- Not applicable.

^{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: U.S. 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, 2015-2018



Sources: U.S. 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, 2016-2018
(Btu per cubic foot)

State	2018	2017	2016	2018				
	7-Month YTD	7-Month YTD	7-Month YTD	July	June	May	April	March
Alabama	1,027	1,030	1,028	1,024	1,027	1,028	1,027	1,028
Alaska	981	995	1,001	956	953	980	987	982
Arizona	1,040	1,039	1,039	1,041	1,041	1,037	1,035	1,043
Arkansas	1,018	1,024	1,024	1,018	1,017	1,018	1,016	1,017
California	1,034	1,035	1,034	1,035	1,034	1,033	1,031	1,032
Colorado	1,074	1,064	1,060	1,089	1,089	1,081	1,071	1,072
Connecticut	1,028	1,026	1,026	1,027	1,027	1,027	1,029	1,029
Delaware	1,041	1,039	1,042	1,038	1,043	1,035	1,037	1,043
District of Columbia	1,040	1,043	1,044	1,031	1,029	1,027	1,038	1,044
Florida	1,023	1,023	1,021	1,026	1,021	1,023	1,023	1,024
Georgia	1,028	1,032	1,029	1,026	1,028	1,028	1,027	1,029
Hawaii	968	971	1,004	961	956	974	974	973
Idaho	1,043	1,038	1,034	1,037	1,029	1,058	1,053	1,040
Illinois	1,031	1,031	1,032	1,027	1,026	1,029	1,032	1,031
Indiana	1,045	1,042	1,035	1,051	1,054	1,048	1,042	1,043
Iowa	1,058	1,053	1,053	1,075	1,066	1,061	1,055	1,051
Kansas	1,039	1,038	1,034	1,041	1,048	1,041	1,036	1,037
Kentucky	1,052	1,036	1,028	1,047	1,044	1,046	1,061	1,055
Louisiana	1,022	1,031	1,032	1,022	1,022	1,023	1,019	1,021
Maine	1,041	1,029	1,027	1,047	1,047	1,041	1,042	1,044
Maryland	1,045	1,050	1,053	1,040	1,038	1,041	1,045	1,052
Massachusetts	1,031	1,031	1,030	1,030	1,029	1,029	1,029	1,032
Michigan	1,047	1,042	1,039	1,053	1,053	1,044	1,046	1,047
Minnesota	1,042	1,030	1,041	1,065	1,052	1,040	1,039	1,037
Mississippi	1,025	1,035	1,031	1,026	1,025	1,030	1,025	1,024
Missouri	1,024	1,022	1,024	1,030	1,031	1,027	1,021	1,023
Montana	1,046	1,032	1,029	1,056	1,051	1,048	1,045	1,047
Nebraska	1,054	1,057	1,053	1,072	1,062	1,059	1,053	1,053
Nevada	1,038	1,040	1,041	1,041	1,041	1,041	1,037	1,036
New Hampshire	1,032	1,030	1,031	1,030	1,030	1,028	1,032	1,033
New Jersey	1,038	1,040	1,041	1,035	1,034	1,034	1,039	1,040
New Mexico	1,036	1,043	1,048	1,040	1,042	1,034	1,032	1,031
New York	1,031	1,032	1,032	1,030	1,029	1,029	1,031	1,033
North Carolina	1,028	1,037	1,035	1,026	1,029	1,030	1,025	1,027
North Dakota	1,081	1,052	1,066	1,072	1,076	1,087	1,078	1,080
Ohio	1,064	1,070	1,070	1,061	1,060	1,061	1,065	1,065
Oklahoma	1,034	1,044	1,048	1,029	1,031	1,033	1,032	1,035
Oregon	1,071	1,050	1,039	1,066	1,080	1,080	1,080	1,070
Pennsylvania	1,038	1,039	1,043	1,036	1,036	1,037	1,037	1,039
Rhode Island	1,029	1,030	1,029	1,028	1,028	1,028	1,029	1,029
South Carolina	1,028	1,030	1,030	1,024	1,027	1,028	1,029	1,029
South Dakota	1,060	1,053	1,056	1,065	1,063	1,055	1,058	1,057
Tennessee	1,025	1,028	1,030	1,019	1,022	1,023	1,028	1,028
Texas	1,026	1,029	1,030	1,026	1,027	1,026	1,024	1,025
Utah	1,040	1,042	1,043	1,035	1,040	1,042	1,043	1,034
Vermont	1,034	1,030	1,028	1,030	1,033	1,026	1,034	1,036
Virginia	1,050	1,051	1,054	1,046	1,051	1,048	1,050	1,056
Washington	1,088	1,079	1,077	1,092	1,088	1,088	1,090	1,090
West Virginia	1,092	1,086	1,091	1,101	1,100	1,106	1,091	1,085
Wisconsin	1,037	1,034	1,037	1,034	1,039	1,032	1,040	1,039
Wyoming	1,057	1,064	1,070	1,053	1,057	1,058	1,057	1,057
Total	1,036	1,037	1,036	1,035	1,035	1,034	1,035	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2016-2018
(Btu per cubic foot) – continued

State	2018							2017
	February	January	Total	December	November	October	September	August
Alabama	1,026	1,026	1,030	1,027	1,029	1,030	1,031	1,030
Alaska	991	995	R989	992	996	983	980	964
Arizona	1,041	1,045	R1,041	1,042	1,040	1,039	1,047	1,040
Arkansas	1,019	1,016	R1,019	1,014	1,014	1,021	1,020	1,018
California	1,034	1,036	R1,035	1,034	1,033	1,032	1,036	1,036
Colorado	1,064	1,066	R1,065	1,065	1,061	1,069	1,067	1,074
Connecticut	1,029	1,030	R1,028	1,029	1,029	1,026	1,026	1,026
Delaware	1,043	1,044	R1,042	1,047	1,044	1,042	1,042	1,040
District of Columbia	1,042	1,047	R1,039	1,045	1,041	1,033	1,034	1,034
Florida	1,023	1,024	R1,024	1,022	1,020	1,021	1,022	1,025
Georgia	1,028	1,028	1,030	1,026	1,026	1,028	1,032	1,030
Hawaii	971	965	975	989	969	984	978	983
Idaho	1,039	1,045	R1,041	1,038	1,031	1,030	1,037	1,034
Illinois	1,033	1,032	R1,029	1,031	1,032	1,030	1,027	1,027
Indiana	1,039	1,041	R1,043	1,043	1,050	1,049	1,049	1,050
Iowa	1,054	1,054	1,056	1,059	1,058	1,060	1,061	1,059
Kansas	1,036	1,037	R1,034	1,032	1,038	1,034	1,037	1,034
Kentucky	1,051	1,054	R1,046	1,055	1,056	1,060	1,051	1,042
Louisiana	1,021	1,022	R1,022	1,021	1,020	1,023	1,025	1,022
Maine	1,035	1,035	R1,030	1,031	1,030	1,022	1,017	1,018
Maryland	1,043	1,051	R1,047	1,048	1,038	1,042	1,045	1,047
Massachusetts	1,032	1,033	R1,030	1,031	1,030	1,030	1,030	1,031
Michigan	1,046	1,044	R1,043	1,044	1,043	1,042	1,043	1,043
Minnesota	1,038	1,037	R1,033	1,039	1,038	1,032	1,029	1,027
Mississippi	1,024	1,024	1,032	1,026	1,027	1,027	1,031	1,030
Missouri	1,023	1,023	R1,010	1,021	1,021	1,022	1,020	1,021
Montana	1,043	1,044	R1,041	1,052	1,045	1,052	1,042	1,048
Nebraska	1,043	1,052	R1,061	1,059	1,054	1,065	1,071	1,069
Nevada	1,036	1,038	1,039	1,039	1,030	1,035	1,038	1,039
New Hampshire	1,033	1,036	1,030	1,033	1,031	1,029	1,028	1,028
New Jersey	1,039	1,042	R1,039	1,042	1,042	1,036	1,039	1,038
New Mexico	1,035	1,040	R1,042	1,042	1,042	1,041	1,046	1,045
New York	1,032	1,033	1,032	1,034	1,033	1,031	1,031	1,031
North Carolina	1,028	1,029	R1,036	1,026	1,032	1,040	1,038	1,036
North Dakota	1,074	1,098	R1,080	1,104	1,086	1,094	1,100	1,083
Ohio	1,064	1,068	R1,070	1,074	1,071	1,076	1,070	1,069
Oklahoma	1,039	1,041	1,042	1,037	1,036	1,036	1,051	1,043
Oregon	1,070	1,063	R1,062	1,059	1,062	1,059	1,058	1,067
Pennsylvania	1,039	1,041	R1,040	1,042	1,041	1,039	1,039	1,038
Rhode Island	1,029	1,029	R1,029	1,029	1,029	1,030	1,030	1,030
South Carolina	1,029	1,029	R1,031	1,028	1,029	1,031	1,032	1,030
South Dakota	1,061	1,063	R1,055	1,067	1,058	1,056	1,055	1,054
Tennessee	1,027	1,025	R1,031	1,031	1,030	1,027	1,026	1,029
Texas	1,024	1,026	R1,029	1,029	1,027	1,028	1,034	1,030
Utah	1,042	1,044	1,042	1,043	1,042	1,041	1,041	1,039
Vermont	1,035	1,036	1,030	1,033	1,033	1,026	1,021	1,022
Virginia	1,049	1,053	R1,053	1,057	1,052	1,051	1,050	1,051
Washington	1,086	1,085	R1,080	1,084	1,084	1,082	1,075	1,083
West Virginia	1,086	1,091	R1,083	1,073	1,086	1,081	1,087	1,055
Wisconsin	1,035	1,040	R1,035	1,035	1,039	1,034	1,027	1,027
Wyoming	1,060	1,054	R1,060	1,052	1,047	1,049	1,050	1,058
Total	1,037	1,038	R1,036	1,039	1,037	1,035	1,036	1,035

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2016-2018
(Btu per cubic foot) – continued

State	2017							2016
	July	June	May	April	March	February	January	Total
Alabama	1,031	1,030	1,031	1,030	1,028	1,029	1,028	1,029
Alaska	974	988	995	994	996	1,000	1,000	1,001
Arizona	1,039	1,037	1,038	1,038	1,040	1,043	1,042	1,037
Arkansas	1,017	1,019	1,016	1,022	1,017	1,019	1,018	1,019
California	1,037	1,037	1,033	1,033	1,034	1,034	1,036	1,035
Colorado	1,072	1,069	1,065	1,063	1,062	1,060	1,060	1,063
Connecticut	1,026	1,025	1,025	1,025	1,026	1,026	1,026	1,027
Delaware	1,038	1,037	1,037	1,041	1,045	1,045	1,047	1,046
District of Columbia	1,030	1,029	1,034	1,035	1,047	1,049	1,051	1,044
Florida	1,024	1,023	1,024	1,023	1,023	1,025	1,024	1,023
Georgia	1,032	1,032	1,033	1,030	1,029	1,033	1,030	1,030
Hawaii	987	987	984	959	954	972	955	981
Idaho	1,035	1,069	1,044	1,051	1,037	1,036	1,036	1,038
Illinois	1,027	1,027	1,028	1,030	1,030	1,031	1,033	1,031
Indiana	1,049	1,044	1,042	1,036	1,034	1,034	1,038	1,038
Iowa	1,058	1,056	1,057	1,055	1,052	1,052	1,052	1,056
Kansas	1,034	1,033	1,035	1,041	1,037	1,036	1,042	1,034
Kentucky	1,040	1,043	1,028	1,030	1,035	1,035	1,037	1,030
Louisiana	1,022	1,020	1,022	1,023	1,022	1,022	1,023	1,024
Maine	1,017	1,021	1,022	1,026	1,036	1,049	1,037	1,026
Maryland	1,044	1,041	1,046	1,043	1,055	1,056	1,054	1,051
Massachusetts	1,032	1,030	1,030	1,029	1,031	1,031	1,031	1,030
Michigan	1,042	1,042	1,043	1,039	1,042	1,045	1,045	1,041
Minnesota	1,030	1,028	1,034	1,032	1,033	1,028	1,028	1,037
Mississippi	1,035	1,035	1,032	1,032	1,035	1,035	1,034	1,031
Missouri	1,018	1,020	1,021	1,022	1,021	1,022	1,022	1,024
Montana	1,045	1,040	1,026	1,032	1,036	1,034	1,036	1,034
Nebraska	1,070	1,066	1,063	1,061	1,058	1,060	1,057	1,059
Nevada	1,043	1,044	1,035	1,039	1,039	1,040	1,041	1,041
New Hampshire	1,026	1,030	1,029	1,028	1,032	1,036	1,032	1,029
New Jersey	1,036	1,036	1,037	1,038	1,043	1,042	1,043	1,041
New Mexico	1,043	1,040	1,042	1,040	1,042	1,043	1,045	1,046
New York	1,030	1,031	1,031	1,032	1,033	1,033	1,033	1,031
North Carolina	1,037	1,038	1,040	1,045	1,033	1,032	1,033	1,035
North Dakota	1,085	1,085	1,080	1,080	1,078	1,083	1,076	1,083
Ohio	1,067	1,068	1,068	1,069	1,072	1,071	1,071	1,071
Oklahoma	1,043	1,044	1,041	1,042	1,041	1,043	1,046	1,049
Oregon	1,073	1,086	1,079	1,076	1,035	1,035	1,036	1,059
Pennsylvania	1,038	1,038	1,038	1,038	1,040	1,040	1,041	1,041
Rhode Island	1,030	1,030	1,029	1,029	1,029	1,029	1,029	1,029
South Carolina	1,030	1,030	1,032	1,031	1,030	1,031	1,030	1,030
South Dakota	1,054	1,050	1,051	1,049	1,050	1,051	1,055	1,056
Tennessee	1,030	1,032	1,032	1,029	1,028	1,031	1,032	1,030
Texas	1,030	1,028	1,029	1,030	1,026	1,029	1,027	1,030
Utah	1,041	1,041	1,042	1,042	1,043	1,043	1,043	1,042
Vermont	1,020	1,026	1,024	1,025	1,033	1,036	1,034	1,024
Virginia	1,051	1,052	1,051	1,055	1,057	1,052	1,057	1,053
Washington	1,091	1,082	1,077	1,080	1,078	1,075	1,076	1,078
West Virginia	1,092	1,105	1,094	1,103	1,086	1,089	1,084	1,097
Wisconsin	1,026	1,029	1,036	1,034	1,035	1,038	1,041	1,039
Wyoming	1,055	1,053	1,052	1,051	1,055	1,066	1,060	1,074
Total	1,035	1,035	1,035	1,036	1,037	1,038	1,039	1,037

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2016-2018
(Btu per cubic foot) – continued

State	2016							
	December	November	October	September	August	July	June	May
Alabama	1,030	1,030	1,031	1,032	1,031	1,029	1,026	1,028
Alaska	1,000	1,000	1,001	1,002	1,003	1,003	1,003	1,002
Arizona	1,039	1,034	1,031	1,034	1,035	1,031	1,031	1,037
Arkansas	1,019	1,021	1,018	1,020	1,022	1,021	1,020	1,018
California	1,034	1,032	1,033	1,037	1,038	1,035	1,042	1,021
Colorado	1,059	1,063	1,069	1,075	1,074	1,072	1,071	1,066
Connecticut	1,026	1,026	1,026	1,026	1,025	1,025	1,026	1,025
Delaware	1,047	1,045	1,046	1,046	1,043	1,044	1,042	1,042
District of Columbia	1,045	1,040	1,035	1,038	1,038	1,038	1,034	1,035
Florida	1,025	1,024	1,023	1,026	1,026	1,023	1,020	1,021
Georgia	1,031	1,030	1,032	1,032	1,029	1,028	1,027	1,030
Hawaii	954	947	952	945	947	967	1,050	1,018
Idaho	1,033	1,036	1,035	1,035	1,035	1,028	1,035	1,044
Illinois	1,033	1,031	1,029	1,028	1,030	1,029	1,027	1,032
Indiana	1,035	1,046	1,048	1,042	1,047	1,035	1,042	1,038
Iowa	1,056	1,059	1,059	1,059	1,061	1,057	1,058	1,057
Kansas	1,038	1,039	1,037	1,038	1,039	1,033	1,034	1,032
Kentucky	1,026	1,039	1,027	1,030	1,038	1,033	1,025	1,018
Louisiana	1,023	1,022	1,022	1,026	1,028	1,022	1,023	1,022
Maine	1,030	1,018	1,016	1,019	1,026	1,023	1,023	1,019
Maryland	1,050	1,045	1,042	1,046	1,051	1,052	1,046	1,047
Massachusetts	1,030	1,029	1,029	1,029	1,028	1,028	1,029	1,029
Michigan	1,044	1,048	1,047	1,047	1,052	1,044	1,041	1,038
Minnesota	1,033	1,033	1,037	1,038	1,036	1,034	1,044	1,042
Mississippi	1,033	1,037	1,032	1,034	1,031	1,022	1,030	1,036
Missouri	1,024	1,024	1,024	1,023	1,024	1,022	1,022	1,021
Montana	1,035	1,039	1,029	1,034	1,033	1,028	1,029	1,023
Nebraska	1,059	1,063	1,068	1,069	1,073	1,070	1,064	1,064
Nevada	1,041	1,038	1,039	1,044	1,045	1,044	1,038	1,039
New Hampshire	1,031	1,027	1,028	1,026	1,026	1,026	1,028	1,027
New Jersey	1,042	1,040	1,038	1,038	1,039	1,038	1,037	1,037
New Mexico	1,041	1,040	1,039	1,048	1,055	1,046	1,049	1,052
New York	1,033	1,031	1,030	1,030	1,029	1,029	1,030	1,029
North Carolina	1,032	1,034	1,039	1,037	1,035	1,033	1,034	1,038
North Dakota	1,092	1,075	1,072	1,061	1,090	1,089	1,070	1,091
Ohio	1,073	1,071	1,072	1,068	1,067	1,068	1,069	1,070
Oklahoma	1,053	1,050	1,050	1,053	1,051	1,049	1,046	1,047
Oregon	1,038	1,035	1,038	1,038	1,046	1,045	1,044	1,043
Pennsylvania	1,040	1,039	1,040	1,041	1,039	1,040	1,041	1,042
Rhode Island	1,028	1,028	1,030	1,029	1,028	1,028	1,028	1,029
South Carolina	1,031	1,029	1,031	1,030	1,030	1,029	1,029	1,030
South Dakota	1,052	1,052	1,053	1,056	1,057	1,060	1,058	1,054
Tennessee	1,033	1,035	1,028	1,026	1,025	1,025	1,024	1,031
Texas	1,029	1,028	1,030	1,034	1,035	1,031	1,027	1,029
Utah	1,043	1,042	1,041	1,041	1,042	1,042	1,040	1,041
Vermont	1,029	1,022	1,019	1,016	1,017	1,016	1,025	1,023
Virginia	1,054	1,055	1,052	1,053	1,054	1,054	1,052	1,054
Washington	1,080	1,083	1,081	1,076	1,085	1,085	1,080	1,078
West Virginia	1,085	1,083	1,083	1,103	1,109	1,108	1,118	1,096
Wisconsin	1,041	1,033	1,036	1,029	1,026	1,026	1,033	1,037
Wyoming	1,057	1,056	1,050	1,054	1,058	1,053	1,048	1,053
Total	1,039	1,037	1,036	1,037	1,037	1,034	1,034	1,034

See footnotes at end of table.

Table 25. Heating value of natural gas consumed, by state, 2016-2018
(Btu per cubic foot) – continued

State	2016			
	April	March	February	January
Alabama	1,028	1,030	1,025	1,029
Alaska	1,001	1,001	1,000	1,000
Arizona	1,042	1,050	1,047	1,046
Arkansas	1,019	1,017	1,015	1,019
California	1,035	1,034	1,036	1,038
Colorado	1,065	1,055	1,052	1,050
Connecticut	1,026	1,026	1,026	1,026
Delaware	1,044	1,043	1,050	1,055
District of Columbia	1,040	1,043	1,049	1,051
Florida	1,023	1,024	1,025	1,015
Georgia	1,028	1,030	1,030	1,029
Hawaii	992	1,003	1,004	998
Idaho	1,056	1,044	1,038	1,034
Illinois	1,032	1,030	1,031	1,031
Indiana	1,034	1,032	1,033	1,030
Iowa	1,053	1,052	1,052	1,053
Kansas	1,033	1,037	1,036	1,032
Kentucky	1,026	1,023	1,025	1,027
Louisiana	1,021	1,022	1,025	1,024
Maine	1,024	1,030	1,037	1,035
Maryland	1,048	1,050	1,055	1,061
Massachusetts	1,029	1,030	1,032	1,031
Michigan	1,040	1,036	1,038	1,040
Minnesota	1,041	1,039	1,035	1,043
Mississippi	1,033	1,039	1,032	1,031
Missouri	1,024	1,024	1,023	1,024
Montana	1,023	1,027	1,030	1,033
Nebraska	1,062	1,048	1,054	1,054
Nevada	1,042	1,037	1,042	1,043
New Hampshire	1,029	1,031	1,039	1,035
New Jersey	1,039	1,042	1,043	1,044
New Mexico	1,048	1,048	1,048	1,046
New York	1,033	1,033	1,034	1,033
North Carolina	1,038	1,037	1,034	1,034
North Dakota	1,108	1,099	1,095	1,095
Ohio	1,068	1,070	1,072	1,073
Oklahoma	1,044	1,048	1,047	1,049
Oregon	1,038	1,036	1,034	1,033
Pennsylvania	1,042	1,042	1,045	1,048
Rhode Island	1,034	1,025	1,027	1,032
South Carolina	1,031	1,029	1,031	1,031
South Dakota	1,052	1,053	1,058	1,060
Tennessee	1,031	1,034	1,035	1,035
Texas	1,032	1,030	1,028	1,029
Utah	1,042	1,041	1,043	1,046
Vermont	1,028	1,030	1,032	1,029
Virginia	1,052	1,056	1,055	1,055
Washington	1,078	1,077	1,075	1,070
West Virginia	1,096	1,096	1,096	1,092
Wisconsin	1,038	1,038	1,046	1,045
Wyoming	1,055	1,071	1,052	1,056
Total	1,037	1,037	1,038	1,038

^R Revised data.

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

Appendix A

Explanatory Notes

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

Table A1. Methodology for most recent monthly natural gas supply and disposition data of tables 1 and 2

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Estimated from sample data reported on Form EIA-914
Natural Gas Plant Liquid (NGPL)	
Production	Derived from data reported on Form EIA-816
Dry Production	Marketed Production minus NGPL Production
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Derived from the Office of Fossil Energy
Additions to Storage	Reported on Form EIA-191
Exports	Derived from the Office of Fossil Energy
Current-Month Consumption	Reported on Form EIA-857, Form EIA-923, and other sources below
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline and Distribution Use	Derived from Deliveries to Consumers
Residential	Estimated from sample data reported on Form EIA-857
Commercial	Estimated from sample data reported on Form EIA-857
Industrial	Estimated from sample data reported on Form EIA-857
Electric Power	Estimated from sample data reported on Form EIA-923
Vehicle Fuel	EIA computations

Note 1. Production

Monthly Data

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

individually on the EIA-914 survey (Arkansas, California (including State Offshore), Colorado, Federal Offshore Gulf of Mexico, Kansas, Louisiana (including State Offshore), Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas (including State Offshore), Utah, West Virginia, and Wyoming). The “other states” category comprises states/areas not individually collected on the EIA-914 survey (Alabama, Arizona, Federal Offshore Pacific, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia). All data for Alaska are obtained directly from the state. The sum of individual states may not equal total U.S. volumes due to independent rounding. (See the [EIA-914 Methodology](#) for an explanation of the procedure for estimating state gross withdrawals from reported volumes.)

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

Annual Data

Natural gas production data (gross withdrawals, gas vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, and marketed production) were obtained directly from the state agencies, state sponsored public record databases, or commercial data vendors such as DrillingInfo (DI) or PointLogic. Production data for the Federal Gulf of Mexico region are provided by the U.S. Bureau of Safety and Environmental Enforcement (BSEE). Federal Offshore Pacific production, currently allocated to California, is also collected from BSEE.

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

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

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

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

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

Pacific Region: California, Oregon, and Washington.

Monthly Data

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

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

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

Annual Data

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

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

Note 6. Consumption

Monthly Data

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

Annual Data

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

Residential, Commercial, and Industrial Consumption

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

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

Vehicle Fuel Use

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

Electric Power Consumption

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

Pipeline and Distribution Use

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

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

Lease and Plant Fuel Consumption

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

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

Note 7. Balancing Item

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

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

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

Note 8. Average Price of Deliveries to Consumers

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

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

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

Monthly Data

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

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

The NGPL composite spot price is calculated as:

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

where:

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

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

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

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

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

Annual Data

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

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

Note 10. Heating Degree-Days

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

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

Note 11. Heat Content

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

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Appendix B

Data Sources

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

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

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

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a state border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2017 for report year 2016 totaled approximately 2,038 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

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

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

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

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

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

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

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

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

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

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

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

Form EIA-914, " Monthly Crude Oil and Lease Condensate, and 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 300 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 2018 was selected from a universe of 1,591 companies. These companies were respondents to the Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition,” for reporting year 2016, 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 300 respondents.

Estimation Procedures

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

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

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

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

or (1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

where:

R_{adj} = sendout adjusted residential volume,

C_{adj} = sendout adjusted commercial volume,

SO = sendout volume,

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

EP = reported electric power volume,

IN = reported industrial volume,

R = reported residential volume,

C = reported commercial volume.

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

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

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

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

where:

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

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

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

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

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

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

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

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

for Georgia, and,

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

for New York and Ohio, where:

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

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

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

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

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

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

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

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

Estimation for Nonrespondents and Edit Failures.

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

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

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

where:

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

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

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

Final Revisions

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

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

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

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

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

The formula for revising the estimated consumption is:

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

where:

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

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

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

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

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

The formula for revising the estimated revenue is:

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

where:

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

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

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

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

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

Reliability of Monthly Data

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

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

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

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

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

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

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

where:

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

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

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

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

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

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

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

N = frame size.

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

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

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,

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

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

$\text{Cov}(V_j, R_j)$ = 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, July 2018

State	Volume Relative Standard Error (Percent)				Price (Dollars per Thousand Cubic Feet)		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	3.3	1.6	1.2	1.1	0.51	NA	0.04
Alaska	0.9	1.8	0.0	0.7	0.01	0.18	0.00
Arizona	2.7	5.2	4.0	2.8	0.68	0.32	0.06
Arkansas	2.0	0.1	2.9	2.1	0.02	0.03	0.07
California	2.5	2.7	1.1	1.0	0.80	0.40	0.31
Colorado	2.8	1.5	4.3	2.6	0.60	0.49	0.53
Connecticut	0.3	1.2	1.3	0.7	0.03	0.21	0.02
Delaware	0.0	NA	NA	NA	0.00	NA	NA
District of Columbia	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Florida	2.5	1.1	6.7	3.8	0.56	0.28	0.38
Georgia	0.0	0.0	0.7	0.0	0.05	0.08	0.07
Hawaii	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Idaho	0.6	0.6	0.0	0.1	0.02	0.03	0.00
Illinois	1.0	5.6	2.8	2.0	0.65	0.48	0.91
Indiana	2.0	1.3	4.7	4.2	0.79	0.38	0.23
Iowa	1.5	1.6	1.8	1.6	0.12	0.21	0.12
Kansas	3.7	0.3	3.8	3.1	0.12	0.08	0.17
Kentucky	1.2	1.3	2.1	1.7	0.18	0.09	0.10
Louisiana	4.6	2.8	1.9	1.9	0.40	0.26	0.07
Maine	4.0	NA	4.7	NA	0.75	0.51	0.09
Maryland	0.4	1.5	1.0	0.8	0.16	0.12	0.89
Massachusetts	0.9	0.8	1.6	NA	0.15	NA	0.20
Michigan	0.8	5.6	1.4	NA	NA	NA	0.06
Minnesota	1.3	1.5	5.5	3.8	0.42	0.04	0.18
Mississippi	1.9	1.5	2.2	2.0	0.11	0.14	0.24
Missouri	1.7	1.3	1.8	1.1	0.18	0.19	0.29
Montana	1.2	0.6	0.1	0.2	0.06	0.14	0.53
Nebraska	2.2	2.1	1.2	1.0	NA	0.17	0.11
Nevada	0.0	0.0	NA	NA	0.00	0.00	0.08
New Hampshire	0.0	0.0	7.5	5.0	0.00	0.00	0.00
New Jersey	0.0	0.0	1.7	0.4	0.00	NA	0.00
New Mexico	3.5	4.6	2.0	1.8	0.16	0.58	NA
New York	0.0	0.0	3.5	0.0	0.10	0.04	0.40
North Carolina	1.4	1.0	0.7	0.6	NA	0.07	0.38
North Dakota	0.4	0.3	0.2	0.2	0.06	0.01	0.00
Ohio	0.0	0.0	1.6	0.0	0.20	0.09	NA
Oklahoma	3.7	1.0	1.1	1.0	0.10	0.34	0.12
Oregon	0.0	0.0	1.1	0.7	0.00	0.00	0.00
Pennsylvania	3.0	2.9	1.7	1.3	0.12	0.20	0.73
Rhode Island	0.0	0.0	0.0	0.0	0.00	0.00	0.00
South Carolina	1.6	2.1	1.7	1.5	1.02	0.24	0.17
South Dakota	3.5	1.8	1.2	1.1	0.23	0.09	0.15
Tennessee	1.9	1.9	1.8	1.5	0.40	0.19	0.09
Texas	3.0	4.3	1.4	1.3	0.93	0.29	0.02
Utah	0.5	0.4	0.0	0.2	0.01	0.00	0.01
Vermont	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Virginia	1.1	0.9	1.2	0.8	0.33	0.19	0.21
Washington	0.3	0.5	1.8	NA	0.02	0.03	NA
West Virginia	5.9	1.4	1.9	1.4	0.16	0.13	0.04
Wisconsin	1.4	1.4	1.2	0.9	0.36	0.14	0.13
Wyoming	0.0	3.4	7.4	6.5	0.57	0.41	0.06
Total	0.6	0.7	0.6	0.4	0.17	0.06	0.02

NA Not available.

Source: U.S. 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.